



IES FLOOD REPORT

PHOTOMETRIC FILENAME : FTS MD F 12 FP 830.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]
[TESTDATE] 2018-07-11
[ISSUEDATE] 2018-07-11 15:10:24
[NEARFIELD]
[LAMPPOSITION] 0,40
[OTHER] EVERFINE GO-2000H_V1 SYSTEM
[MANUFAC] LumenFocus, LLC
[LUMINAIRE] FTS MD F 12 FP 830
[LAMP] 49

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	360.11
Maximum Candela Angle	1H 0V
Horizontal Beam Angle (50%)	117.2
Vertical Beam Angle (50%)	115.8
Horizontal Field Angle (10%)	173.6
Vertical Field Angle (10%)	180.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	757
Beam Efficiency	N.A.
Field Lumens	1111
Field Efficiency	N.A.
Spill Lumens	2
Luminaire Lumens	1113
Total Efficiency	N.A.
Total Luminaire Watts	12.0645
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	23.488	90	42.807
85	48.97	85	55.9
75	105.79	75	99.61
65	156.67	65	148.23
55	204.23	55	194.89
47.5	237.145	47.5	228.035
42.5	258.475	42.5	249.115
37.5	278.405	37.5	269.24
33	295.71	33	286.4
29	310.27	29	300.69
25.5	321.215	25.5	311.94
22.5	329.625	22.5	320.685
19.5	337.585	19.5	328.855
17	344.06	17	334.73
15	347.78	15	338.67
13	350.56	13	342.17
11	353.63	11	345.26
9	356.7	9	347.92
7	357.28	7	349.86
5	359.06	5	351.51
3	359.09	3	352.56
1	360.11	1	352.85
0	354.079	0	354.079
-1	359.36	-1	352.83
-3	358.56	-3	352.23
-5	356.62	-5	351.03
-7	354.77	-7	349.02
-9	352.19	-9	347.16
-11	349.08	-11	344.12
-13	345.57	-13	340.88
-15	340.99	-15	336.93
-17	336.3	-17	332.75
-19.5	330.385	-19.5	326.65
-22.5	321.52	-22.5	318.45
-25.5	311.675	-25.5	309.52
-29	299.59	-29	298.01
-33	284.89	-33	283.73
-37.5	266.935	-37.5	266.435
-42.5	246.215	-42.5	246.415
-47.5	224.665	-47.5	225.435
-55	190.41	-55	192.21
-65	142.53	-65	145.39
-75	91.99	-75	96.95
-85	40.06	-85	54.38
-90	20.288	-90	43.034

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CANDELA TABULATION

Maximum Candela = 360.11
 Beam Edge = 180.055 Cd (50% of Max.)
 Field Edge = 36.011 Cd (10% of Max.)
 * Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	20.275	22.938	28.275	33.309	37.434 *	40.527 *	41.615 *	41.729 *	41.832 *	41.924 *
85.0	20.277	23.726	31.096	37.700 *	42.798 *	46.556 *	48.341 *	49.519 *	50.460 *	51.342 *
75.0	20.280	25.929	39.380 *	51.231 *	62.970 *	70.828 *	75.719 *	80.163 *	83.844 *	86.826 *
65.0	20.282	29.281	49.153 *	68.770 *	87.568 *	100.856 *	108.919 *	116.720 *	123.019 *	128.105 *
55.0	20.285	32.294	59.733 *	86.269 *	112.356 *	130.513 *	141.787 *	152.261 *	160.833 *	167.998 *
47.5	20.286	34.247	67.196 *	98.844 *	129.481 *	151.236 *	164.407 *	176.680 *	187.066 *	195.485 *
42.5	20.287	35.402	71.732 *	106.736 *	139.860 *	163.752 *	178.581 *	191.917 *	203.039 *	212.307 *
37.5	20.287	36.586 *	75.926 *	113.947 *	149.671 *	175.051 *	191.145 *	206.049 *	218.083 *	228.503 *
33.0	20.288	37.311 *	79.282 *	119.794 *	157.624 *	184.540 *	201.576 *	217.371 *	230.399 *	240.969 *
29.0	20.288	37.996 *	81.962 *	124.494 *	164.613 *	192.177 *	209.859 *	226.971 *	240.296 *	252.471 *
25.5	20.288	38.521 *	84.149 *	128.265 *	169.755 *	198.409 *	216.469 *	233.773 *	248.318 *	260.613 *
22.5	20.289	38.914 *	85.834 *	131.292 *	173.720 *	203.241 *	221.628 *	239.236 *	254.447 *	267.531 *
19.5	20.289	39.253 *	87.323 *	133.845 *	177.502 *	207.866 *	226.781 *	243.765 *	259.795 *	273.445 *
17.0	20.289	39.493 *	88.403 *	135.818 *	180.322 *	211.392 *	230.526 *	248.069 *	263.954 *	277.621 *
15.0	20.289	39.657 *	89.168 *	137.212 *	182.379 *	213.854 *	233.494 *	251.538 *	267.181 *	280.679 *
13.0	20.289	39.795 *	89.844 *	138.416 *	184.343 *	216.105 *	236.609 *	254.675 *	270.400 *	283.612 *
11.0	20.289	40.307 *	90.430 *	139.470 *	185.774 *	218.173 *	238.573 *	257.519 *	273.797 *	287.024 *
9.0	20.289	40.262 *	90.923 *	140.373 *	187.095 *	219.992 *	240.590 *	260.006 *	277.228 *	290.105 *
7.0	20.288	40.218 *	91.325 *	141.124 *	188.205 *	221.520 *	242.331 *	262.418 *	279.253 *	292.897 *
5.0	20.288	40.173 *	91.929 *	141.721 *	189.102 *	222.755 *	243.794 *	264.000 *	281.264 *	295.299 *
3.0	20.288	40.128 *	91.954 *	142.339 *	190.028 *	223.724 *	244.985 *	265.427 *	282.977 *	297.322 *
1.0	20.288	40.083 *	91.978 *	142.466 *	190.282 *	224.421 *	245.882 *	266.514 *	284.398 *	298.994 *
0.0	20.288	40.060 *	91.990 *	142.530 *	190.410 *	224.665 *	246.215 *	266.935 *	284.890 *	299.590 *
-1.0	20.288	40.060 *	91.989 *	142.508 *	190.370 *	224.562 *	246.096 *	266.768 *	284.731 *	299.394 *
-3.0	20.288	40.141 *	91.986 *	142.464 *	190.292 *	224.145 *	245.615 *	266.190 *	283.952 *	298.512 *
-5.0	20.288	40.196 *	91.984 *	141.926 *	189.539 *	223.451 *	244.807 *	265.275 *	282.815 *	297.256 *
-7.0	20.288	40.250 *	91.403 *	141.408 *	188.811 *	222.485 *	243.669 *	264.207 *	281.273 *	295.580 *
-9.0	20.288	40.303 *	91.026 *	140.733 *	187.866 *	221.209 *	242.291 *	262.237 *	279.611 *	293.485 *
-11.0	20.288	40.357 *	90.557 *	139.900 *	186.704 *	219.623 *	240.646 *	260.155 *	276.987 *	291.088 *
-13.0	20.287	39.857 *	89.998 *	138.911 *	185.425 *	217.766 *	239.049 *	257.716 *	274.230 *	288.055 *
-15.0	20.287	39.729 *	89.350 *	137.766 *	183.604 *	215.793 *	236.259 *	254.978 *	270.957 *	284.881 *
-17.0	20.287	39.577 *	88.614 *	136.423 *	181.683 *	213.696 *	233.536 *	252.055 *	267.958 *	281.581 *
-19.5	20.287	39.351 *	87.574 *	134.504 *	179.056 *	210.542 *	229.783 *	248.327 *	263.724 *	276.772 *
-22.5	20.287	39.031 *	86.115 *	131.998 *	175.560 *	206.048 *	225.134 *	242.976 *	257.840 *	270.505 *
-25.5	20.286	38.659 *	84.435 *	129.046 *	171.506 *	200.984 *	219.591 *	237.204 *	251.407 *	263.411 *
-29.0	20.286	38.159 *	82.240 *	125.353 *	166.310 *	194.674 *	212.925 *	229.700 *	243.197 *	254.621 *
-33.0	20.285	37.506 *	79.626 *	120.705 *	159.578 *	187.011 *	204.031 *	219.705 *	232.774 *	243.209 *
-37.5	20.284	36.817 *	76.353 *	114.909 *	151.431 *	177.222 *	193.022 *	208.009 *	219.818 *	229.956 *
-42.5	20.283	35.668	72.152 *	107.756 *	141.675 *	165.255 *	180.212 *	193.245 *	204.415 *	213.159 *
-47.5	20.282	34.548	67.634 *	99.965 *	130.761 *	152.361 *	165.519 *	177.680 *	187.639 *	195.446 *
-55.0	20.280	32.636	60.162 *	87.313 *	113.289 *	131.231 *	142.432 *	152.441 *	160.606 *	167.171 *
-65.0	20.278	29.623	49.890 *	69.640 *	88.103 *	100.914 *	108.885 *	116.070 *	121.928 *	126.567 *
-75.0	20.275	26.318	40.504 *	52.348 *	63.217 *	70.733 *	75.257 *	79.110 *	82.406 *	85.052 *
-85.0	20.272	24.212	32.299	39.301 *	43.918 *	47.087 *	48.501 *	49.341 *	49.992 *	50.600 *
-90.0	20.270	23.483	29.907	35.604	39.116 *	41.750 *	42.615 *	42.589 *	42.566 *	42.545 *

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	42.004 *	42.073 *	42.171 *	42.252 *	42.318 *	42.383 *	42.448 *	42.514 *	42.579 *	42.644 *
85.0	52.069 *	52.661 *	53.221 *	53.664 *	53.999 *	54.316 *	54.928 *	55.105 *	55.282 *	55.458 *
75.0	89.234 *	91.122 *	92.871 *	94.221 *	95.198 *	96.085 *	96.880 *	97.583 *	98.195 *	99.000 *
65.0	132.199 *	135.529 *	138.279 *	140.351 *	141.861 *	143.227 *	144.433 *	145.480 *	146.368 *	147.097 *
55.0	173.581 *	177.755 *	181.863 *	184.746 *	186.695 *	188.550 *	190.001 *	191.351 *	192.501 *	193.447 *
47.5	202.025 *	207.404 *	212.024 *	215.420 *	217.864 *	220.055 *	222.002 *	223.698 *	225.161 *	226.358 *
42.5	219.813 *	226.384 *	231.073 *	234.501 *	237.158 *	239.976 *	242.023 *	244.097 *	245.827 *	247.160 *
37.5	236.009 *	242.592 *	248.562 *	252.768 *	256.029 *	258.870 *	261.403 *	263.586 *	265.639 *	266.955 *
33.0	250.203 *	257.141 *	263.544 *	268.219 *	271.624 *	274.786 *	277.645 *	280.417 *	282.207 *	283.896 *
29.0	261.524 *	269.010 *	276.042 *	281.272 *	284.907 *	288.280 *	291.290 *	293.714 *	295.921 *	297.830 *
25.5	270.499 *	278.844 *	285.784 *	291.218 *	295.095 *	298.815 *	301.882 *	304.410 *	307.033 *	309.078 *
22.5	278.007 *	285.876 *	293.253 *	299.271 *	303.297 *	307.201 *	310.356 *	313.017 *	315.585 *	317.725 *
19.5	284.092 *	292.332 *	300.457 *	306.507 *	310.666 *	314.425 *	317.698 *	320.640 *	323.183 *	325.374 *
17.0	288.610 *	297.417 *	305.520 *	311.622 *	315.820 *	319.994 *	323.185 *	326.259 *	328.846 *	331.054 *
15.0	291.645 *	300.594 *	308.878 *	315.029 *	320.300 *	323.452 *	326.996 *	330.092 *	333.013 *	335.468 *
13.0	294.545 *	303.494 *	311.761 *	318.523 *	322.753 *	326.628 *	330.330 *	333.774 *	336.335 *	338.777 *
11.0	297.140 *	306.043 *	314.422 *	321.072 *	325.528 *	329.564 *	333.208 *	336.405 *	339.441 *	341.659 *
9.0	300.481 *	308.439 *	316.757 *	323.249 *	327.830 *	331.799 *	335.452 *	338.831 *	341.527 *	344.077 *
7.0	303.683 *	312.098 *	320.122 *	325.420 *	329.437 *	333.451 *	337.350 *	340.488 *	343.772 *	345.915 *
5.0	306.512 *	315.445 *	323.645 *	329.211 *	332.438 *	335.608 *	338.628 *	341.667 *	344.574 *	347.341 *
3.0	308.935 *	318.203 *	326.691 *	332.371 *	336.149 *	339.823 *	342.455 *	344.124 *	344.928 *	347.473 *
1.0	310.881 *	320.546 *	329.274 *	335.143 *	339.571 *	343.852 *	347.026 *	349.708 *	351.441 *	352.117 *
0.0	311.675 *	321.520 *	330.385 *	336.300 *	340.990 *	345.570 *	349.080 *	352.190 *	354.770 *	356.620 *
-1.0	311.449 *	321.233 *	329.941 *	335.995 *	340.692 *	345.117 *	348.692 *	351.612 *	353.832 *	355.612 *
-3.0	310.632 *	320.257 *	328.663 *	334.944 *	339.457 *	343.567 *	347.112 *	349.882 *	351.541 *	353.065 *
-5.0	309.320 *	318.841 *	326.867 *	333.536 *	337.783 *	341.698 *	344.814 *	347.837 *	349.772 *	350.936 *
-7.0	307.537 *	316.732 *	324.653 *	331.164 *	335.421 *	339.365 *	342.750 *	345.099 *	346.845 *	348.702 *
-9.0	305.305 *	314.196 *	322.366 *	328.133 *	332.821 *	336.747 *	339.724 *	342.552 *	344.233 *	345.766 *
-11.0	302.181 *	311.744 *	319.806 *	325.176 *	329.681 *	333.367 *	336.585 *	339.117 *	341.320 *	342.946 *
-13.0	299.147 *	308.591 *	316.400 *	322.068 *	326.014 *	329.654 *	332.971 *	335.782 *	337.683 *	339.190 *
-15.0	296.034 *	305.131 *	312.549 *	318.357 *	322.548 *	325.791 *	328.991 *	331.581 *	333.729 *	335.355 *
-17.0	292.538 *	301.078 *	308.725 *	313.975 *	318.020 *	321.571 *	324.575 *	327.179 *	329.244 *	330.928 *
-19.5	287.246 *	295.746 *	303.314 *	308.471 *	312.053 *	315.591 *	318.440 *	321.011 *	323.172 *	324.825 *
-22.5	280.484 *	288.322 *	295.763 *	301.031 *	304.474 *	307.750 *	310.383 *	312.815 *	314.882 *	316.588 *
-25.5	272.765 *	280.431 *	287.138 *	292.495 *	295.912 *	298.921 *	301.459 *	303.678 *	305.909 *	307.587 *
-29.0	263.489 *	270.610 *	276.652 *	281.355 *	284.715 *	287.726 *	290.400 *	292.900 *	294.768 *	296.150 *
-33.0	251.483 *	257.917 *	263.868 *	268.132 *	271.138 *	273.812 *	276.338 *	278.807 *	280.390 *	281.851 *
-37.5	237.267 *	243.064 *	248.324 *	252.027 *	254.685 *	257.308 *	259.716 *	261.768 *	263.669 *	264.756 *
-42.5	219.947 *	225.664 *	230.052 *	233.623 *	236.180 *	238.881 *	240.529 *	242.225 *	243.658 *	244.847 *
-47.5	201.677 *	206.454 *	210.642 *	213.702 *	216.089 *	218.196 *	220.013 *	221.581 *	222.907 *	223.975 *
-55.0	172.204 *	176.113 *	179.646 *	182.361 *	184.316 *	186.161 *	187.622 *	188.963 *	190.079 *	190.970 *
-65.0	130.217 *	133.109 *	135.624 *	137.706 *	139.208 *	140.554 *	141.738 *	142.760 *	143.622 *	144.323 *
-75.0	87.132 *	88.717 *	90.356 *	91.656 *	92.603 *	93.465 *	94.242 *	94.933 *	95.536 *	96.331 *
-85.0	51.084 *	51.461 *	51.963 *	52.361 *	52.662 *	52.947 *	53.497 *	53.657 *	53.818 *	53.978 *
-90.0	42.527 *	42.511 *	42.581 *	42.639 *	42.686 *	42.732 *	42.779 *	42.825 *	42.872 *	42.918 *

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	42.709 *	42.775 *	42.807 *	42.865 *	42.981 *	43.097 *	43.212 *	43.328 *	43.444 *	43.560 *
85.0	55.635 *	55.812 *	55.900 *	56.015 *	56.244 *	56.473 *	56.703 *	56.932 *	57.161 *	56.931 *
75.0	99.244 *	99.488 *	99.610 *	99.776 *	100.107 *	100.438 *	100.212 *	100.180 *	100.058 *	99.847 *
65.0	147.843 *	148.101 *	148.230 *	148.407 *	148.760 *	148.629 *	148.519 *	148.257 *	147.843 *	147.279 *

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55.0	194.426 *	194.735 *	194.890 *	195.103 *	195.529 *	195.271 *	195.035 *	194.574 *	193.888 *	193.076 *
47.5	227.250 *	227.845 *	228.035 *	228.229 *	228.409 *	228.313 *	227.946 *	227.308 *	226.400 *	225.233 *
42.5	248.175 *	248.879 *	249.115 *	249.308 *	249.466 *	249.323 *	248.880 *	248.057 *	246.916 *	245.812 *
37.5	268.137 *	268.963 *	269.240 *	269.446 *	269.583 *	269.357 *	268.984 *	267.848 *	266.557 *	264.893 *
33.0	285.199 *	286.154 *	286.400 *	286.695 *	286.816 *	286.573 *	285.917 *	285.130 *	283.451 *	281.631 *
29.0	299.312 *	300.405 *	300.690 *	300.989 *	301.072 *	300.788 *	300.113 *	299.072 *	297.626 *	295.429 *
25.5	310.547 *	311.587 *	311.940 *	312.231 *	312.475 *	312.274 *	311.638 *	310.579 *	308.805 *	306.420 *
22.5	319.183 *	320.299 *	320.685 *	321.004 *	321.270 *	321.119 *	320.399 *	319.254 *	317.365 *	314.980 *
19.5	327.135 *	328.406 *	328.855 *	329.148 *	329.346 *	329.032 *	328.376 *	327.122 *	325.161 *	322.702 *
17.0	332.867 *	334.311 *	334.730 *	335.075 *	335.156 *	334.856 *	334.220 *	332.860 *	330.730 *	328.446 *
15.0	337.016 *	338.270 *	338.670 *	339.088 *	339.409 *	339.276 *	338.360 *	336.928 *	335.026 *	332.393 *
13.0	340.533 *	341.817 *	342.170 *	342.624 *	342.986 *	342.942 *	342.143 *	340.757 *	338.848 *	336.318 *
11.0	343.345 *	344.812 *	345.260 *	345.778 *	346.181 *	346.159 *	345.473 *	344.339 *	342.117 *	339.869 *
9.0	346.058 *	347.530 *	347.920 *	348.528 *	349.067 *	348.956 *	348.327 *	347.089 *	345.413 *	342.772 *
7.0	347.912 *	349.371 *	349.860 *	350.632 *	351.367 *	351.405 *	350.629 *	349.668 *	347.910 *	345.326 *
5.0	349.154 *	351.017 *	351.510 *	352.275 *	353.460 *	353.659 *	352.935 *	351.726 *	349.962 *	347.461 *
3.0	349.147 *	351.552 *	352.560 *	353.713 *	355.110 *	355.686 *	354.852 *	353.614 *	351.674 *	349.048 *
1.0	351.174 *	350.463 *	352.850 *	355.776 *	357.945 *	357.932 *	356.633 *	355.856 *	353.201 *	350.228 *
0.0	358.560 *	359.360 *	354.079 *	360.110 *	359.090 *	359.060 *	357.280 *	356.700 *	353.630 *	350.560 *
-1.0	356.855 *	355.378 *	352.830 *	350.632 *	352.089 *	354.267 *	353.879 *	353.785 *	351.354 *	348.748 *
-3.0	353.484 *	352.932 *	352.230 *	351.134 *	350.287 *	349.017 *	347.392 *	347.576 *	346.348 *	344.614 *
-5.0	351.515 *	351.463 *	351.030 *	350.401 *	349.394 *	348.626 *	346.806 *	344.806 *	342.400 *	340.106 *
-7.0	349.094 *	349.339 *	349.020 *	348.875 *	348.041 *	346.884 *	345.411 *	343.649 *	341.147 *	337.982 *
-9.0	346.836 *	347.310 *	347.160 *	346.880 *	345.844 *	344.937 *	343.740 *	341.572 *	339.231 *	336.171 *
-11.0	343.653 *	344.162 *	344.120 *	344.060 *	343.412 *	342.656 *	340.800 *	339.249 *	336.496 *	333.398 *
-13.0	340.152 *	340.833 *	340.880 *	340.803 *	340.116 *	339.273 *	337.862 *	335.685 *	333.244 *	330.894 *
-15.0	336.356 *	336.940 *	336.930 *	336.997 *	336.419 *	335.161 *	333.687 *	332.084 *	330.063 *	327.472 *
-17.0	332.027 *	332.703 *	332.750 *	332.735 *	332.151 *	331.213 *	329.933 *	328.233 *	325.924 *	323.854 *
-19.5	325.936 *	326.532 *	326.650 *	326.630 *	326.175 *	325.131 *	323.872 *	322.477 *	320.485 *	317.661 *
-22.5	317.645 *	318.299 *	318.450 *	318.493 *	318.214 *	317.504 *	316.356 *	314.863 *	312.299 *	310.107 *
-25.5	308.697 *	309.360 *	309.520 *	309.552 *	309.290 *	308.633 *	307.598 *	306.238 *	303.716 *	301.301 *
-29.0	297.186 *	297.892 *	298.010 *	298.115 *	297.830 *	297.145 *	296.002 *	294.447 *	292.558 *	290.199 *
-33.0	282.908 *	283.608 *	283.730 *	283.839 *	283.582 *	282.919 *	281.771 *	280.421 *	278.709 *	276.842 *
-37.5	265.696 *	266.278 *	266.435 *	266.478 *	266.299 *	265.771 *	265.103 *	263.634 *	262.023 *	260.266 *
-42.5	245.715 *	246.261 *	246.415 *	246.471 *	246.339 *	245.871 *	245.059 *	243.992 *	242.641 *	241.321 *
-47.5	224.766 *	225.281 *	225.435 *	225.477 *	225.350 *	224.937 *	224.230 *	223.280 *	222.130 *	220.755 *
-55.0	191.888 *	192.103 *	192.210 *	192.300 *	192.480 *	191.968 *	191.491 *	190.803 *	189.908 *	188.910 *
-65.0	145.040 *	145.273 *	145.390 *	145.506 *	145.737 *	145.488 *	145.256 *	144.867 *	144.323 *	143.621 *
-75.0	96.579 *	96.826 *	96.950 *	97.069 *	97.306 *	97.543 *	97.223 *	97.094 *	96.870 *	96.553 *
-85.0	54.139 *	54.300 *	54.380 *	54.454 *	54.601 *	54.748 *	54.895 *	55.042 *	55.190 *	54.915 *
-90.0	42.964 *	43.011 *	43.034 *	43.060 *	43.113 *	43.165 *	43.217 *	43.270 *	43.322 *	43.374 *

Vert. Angles **Horizontal Angles**

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	43.675 *	43.791 *	43.935 *	44.109 *	44.254 *	44.423 *	44.616 *	44.834 *	45.075 *	44.375 *
85.0	57.007 *	57.061 *	57.098 *	57.095 *	56.924 *	56.662 *	56.282 *	55.884 *	55.164 *	53.739 *
75.0	99.548 *	99.162 *	98.558 *	97.617 *	96.355 *	94.666 *	92.468 *	89.636 *	86.185 *	81.976 *
65.0	146.568 *	145.676 *	144.327 *	142.395 *	139.973 *	136.831 *	132.721 *	127.490 *	121.021 *	113.620 *
55.0	191.875 *	190.564 *	188.552 *	185.576 *	182.132 *	177.463 *	171.498 *	163.922 *	154.641 *	144.518 *
47.5	223.792 *	222.062 *	219.393 *	215.687 *	211.352 *	205.761 *	198.582 *	189.505 *	178.012 *	165.759 *
42.5	243.878 *	241.825 *	238.611 *	234.841 *	229.651 *	223.498 *	215.433 *	205.086 *	192.825 *	178.710 *
37.5	262.836 *	260.456 *	257.052 *	252.251 *	246.859 *	239.987 *	230.732 *	219.854 *	205.949 *	190.886 *
33.0	279.304 *	276.552 *	272.669 *	267.240 *	261.323 *	253.499 *	243.817 *	231.667 *	217.022 *	200.980 *
29.0	292.837 *	289.910 *	285.622 *	280.265 *	273.392 *	265.261 *	254.357 *	241.560 *	225.993 *	208.867 *
25.5	303.683 *	300.569 *	296.058 *	289.951 *	283.084 *	274.257 *	262.910 *	249.296 *	232.921 *	215.104 *

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	312.383 *	308.963 *	304.245 *	297.908 *	290.816 *	281.991 *	269.566 *	255.306 *	238.681 *	219.877 *
19.5	319.850 *	316.287 *	311.898 *	305.207 *	297.822 *	288.131 *	275.904 *	260.674 *	242.806 *	224.159 *
17.0	325.405 *	322.320 *	317.128 *	310.644 *	303.052 *	293.093 *	280.630 *	264.716 *	246.516 *	227.257 *
15.0	329.832 *	326.102 *	321.321 *	314.716 *	306.909 *	296.694 *	283.913 *	267.440 *	248.988 *	229.394 *
13.0	333.320 *	329.850 *	324.956 *	318.013 *	310.280 *	300.035 *	286.521 *	270.055 *	251.444 *	231.245 *
11.0	336.810 *	333.355 *	327.983 *	320.929 *	313.193 *	302.780 *	288.946 *	272.331 *	253.110 *	232.815 *
9.0	339.825 *	336.432 *	330.782 *	323.738 *	315.683 *	304.919 *	291.253 *	274.286 *	254.860 *	234.140 *
7.0	342.443 *	338.735 *	333.295 *	325.783 *	317.720 *	306.810 *	292.667 *	276.117 *	256.302 *	235.251 *
5.0	344.372 *	340.791 *	335.242 *	327.517 *	319.401 *	308.348 *	294.016 *	277.068 *	257.274 *	236.140 *
3.0	345.995 *	342.493 *	336.532 *	328.624 *	320.394 *	309.445 *	294.997 *	277.866 *	257.965 *	236.752 *
1.0	347.384 *	343.725 *	337.355 *	329.400 *	321.024 *	310.157 *	295.633 *	278.312 *	258.375 *	237.085 *
0.0	347.780 *	344.060 *	337.585 *	329.625 *	321.215 *	310.270 *	295.710 *	278.405 *	258.475 *	237.145 *
-1.0	346.087 *	342.515 *	336.323 *	328.578 *	320.331 *	309.509 *	295.130 *	277.907 *	258.067 *	236.841 *
-3.0	342.163 *	338.966 *	333.475 *	326.144 *	318.298 *	307.513 *	293.490 *	276.658 *	257.041 *	236.023 *
-5.0	338.165 *	335.212 *	330.285 *	323.340 *	315.856 *	305.165 *	291.518 *	275.073 *	255.734 *	234.933 *
-7.0	334.606 *	331.084 *	326.725 *	320.060 *	312.718 *	302.432 *	289.197 *	273.357 *	254.145 *	233.579 *
-9.0	332.602 *	328.751 *	323.429 *	316.655 *	309.202 *	299.428 *	286.835 *	270.844 *	252.089 *	231.994 *
-11.0	330.323 *	326.691 *	321.149 *	313.929 *	305.683 *	296.290 *	283.900 *	268.267 *	249.726 *	230.169 *
-13.0	327.653 *	324.140 *	318.157 *	311.106 *	302.827 *	292.487 *	280.802 *	265.315 *	247.453 *	228.085 *
-15.0	325.175 *	320.573 *	314.973 *	307.772 *	299.595 *	289.324 *	277.119 *	261.983 *	244.425 *	225.783 *
-17.0	320.481 *	316.405 *	311.522 *	304.535 *	296.142 *	286.265 *	273.704 *	258.468 *	241.472 *	223.273 *
-19.5	314.530 *	311.308 *	306.294 *	299.104 *	291.231 *	281.891 *	269.348 *	254.238 *	237.517 *	219.623 *
-22.5	307.291 *	303.892 *	298.898 *	292.119 *	285.104 *	276.074 *	263.578 *	249.240 *	232.592 *	214.723 *
-25.5	298.589 *	295.185 *	290.485 *	284.863 *	277.904 *	268.543 *	256.991 *	243.388 *	227.136 *	209.586 *
-29.0	287.593 *	284.812 *	280.579 *	275.319 *	268.239 *	259.891 *	249.116 *	236.321 *	220.308 *	203.445 *
-33.0	274.304 *	271.507 *	267.598 *	262.256 *	256.379 *	248.883 *	239.005 *	226.535 *	211.530 *	195.722 *
-37.5	258.382 *	255.862 *	252.405 *	247.496 *	242.223 *	235.615 *	226.101 *	214.499 *	201.113 *	186.004 *
-42.5	239.012 *	236.919 *	234.054 *	230.013 *	224.809 *	218.626 *	210.631 *	200.681 *	188.259 *	174.170 *
-47.5	219.061 *	217.045 *	214.374 *	210.737 *	206.766 *	201.422 *	194.218 *	185.116 *	173.608 *	161.487 *
-55.0	187.580 *	186.170 *	184.050 *	180.997 *	177.675 *	173.081 *	167.281 *	160.176 *	151.016 *	140.661 *
-65.0	142.764 *	141.729 *	140.199 *	138.231 *	135.957 *	132.983 *	129.035 *	124.042 *	117.606 *	110.359 *
-75.0	96.141 *	95.634 *	94.867 *	93.806 *	92.660 *	91.122 *	89.183 *	86.650 *	83.385 *	79.225 *
-85.0	54.921 *	54.905 *	54.856 *	54.748 *	54.680 *	54.530 *	54.277 *	54.013 *	53.461 *	51.995 *
-90.0	43.427 *	43.479 *	43.544 *	43.623 *	43.724 *	43.843 *	43.978 *	44.130 *	44.299 *	43.383 *

Vert. Angles **Horizontal Angles**

	55.0	65.0	75.0	85.0	90.0
90.0	41.914 *	38.632 *	33.025	26.642	23.450
85.0	50.260 *	45.219 *	37.302 *	28.180	23.453
75.0	74.570 *	63.232 *	48.325 *	31.458	23.460
65.0	101.517 *	83.120 *	60.482 *	35.130	23.466
55.0	127.402 *	102.037 *	72.235 *	38.738 *	23.472
47.5	145.451 *	114.776 *	80.398 *	41.266 *	23.476
42.5	156.082 *	122.664 *	85.251 *	42.803 *	23.478
37.5	166.569 *	129.827 *	89.692 *	44.377 *	23.480
33.0	174.553 *	135.632 *	93.354 *	45.335 *	23.482
29.0	180.859 *	140.224 *	96.295 *	46.241 *	23.483
25.5	185.973 *	144.007 *	98.537 *	46.936 *	23.484
22.5	189.760 *	147.106 *	100.246 *	47.456 *	23.485
19.5	193.285 *	149.367 *	101.696 *	47.905 *	23.486
17.0	195.915 *	151.089 *	102.694 *	48.223 *	23.486
15.0	197.799 *	152.306 *	103.395 *	48.440 *	23.487
13.0	199.580 *	153.369 *	104.008 *	48.623 *	23.487
11.0	200.815 *	154.287 *	104.532 *	49.305 *	23.487
9.0	201.926 *	155.058 *	104.966 *	49.245 *	23.487

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	202.817 *	155.680 *	105.310 *	49.184 *	23.488
5.0	203.490 *	156.152 *	105.851 *	49.123 *	23.488
3.0	204.182 *	156.644 *	105.826 *	49.062 *	23.488
1.0	204.214 *	156.661 *	105.802 *	48.970 *	23.488
0.0	204.230 *	156.670 *	105.790 *	48.970 *	23.488
-1.0	204.046 *	156.576 *	105.759 *	48.989 *	23.488
-3.0	203.678 *	156.389 *	105.698 *	49.027 *	23.488
-5.0	202.647 *	155.727 *	105.636 *	49.065 *	23.488
-7.0	201.636 *	155.086 *	105.008 *	49.103 *	23.488
-9.0	200.405 *	154.295 *	104.577 *	49.140 *	23.488
-11.0	198.953 *	153.356 *	104.055 *	49.178 *	23.488
-13.0	197.376 *	152.271 *	103.443 *	48.472 *	23.488
-15.0	195.319 *	151.040 *	102.741 *	48.266 *	23.488
-17.0	193.179 *	149.640 *	101.950 *	48.027 *	23.488
-19.5	190.257 *	147.663 *	100.838 *	47.681 *	23.487
-22.5	186.420 *	145.078 *	99.271 *	47.199 *	23.487
-25.5	182.231 *	141.874 *	97.473 *	46.646 *	23.486
-29.0	176.913 *	137.908 *	95.144 *	45.914 *	23.486
-33.0	170.051 *	132.969 *	92.074 *	44.967 *	23.485
-37.5	161.748 *	126.950 *	88.271 *	43.966 *	23.483
-42.5	152.053 *	119.607 *	83.728 *	42.362 *	23.481
-47.5	141.224 *	111.689 *	78.702 *	40.801 *	23.479
-55.0	123.556 *	98.511 *	70.403 *	38.236 *	23.476
-65.0	98.019 *	79.737 *	58.476 *	34.523	23.471
-75.0	71.613 *	60.024 *	46.398 *	30.841	23.465
-85.0	48.185 *	42.374 *	35.394	27.606	23.459
-90.0	40.382 *	36.380 *	31.404	26.102	23.455

IES FLOOD REPORT
PHOTOMETRIC FILENAME : FTS MD F 12 FP 830.IES

LUMEN TABULATION

Average Of Right And Left Sides
 Total Luminaire Lumens (one side of beam only) = 556.46
 Total Field Lumens (one side of beam only) = 555.47
 * Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles										
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>	
90	0.08 *	0.15 *	0.15 *	0.15 *	0.15 *	0.15 *	0.15 *	0.15 *	0.15 *	0.14 *	0.18 *
85	0.24 *	0.47 *	0.47 *	0.47 *	0.47 *	0.47 *	0.46 *	0.46 *	0.45 *	0.45 *	0.55 *
75	0.38 *	0.75 *	0.75 *	0.75 *	0.75 *	0.74 *	0.74 *	0.73 *	0.72 *	0.70 *	0.86 *
65	0.52 *	1.04 *	1.04 *	1.04 *	1.04 *	1.03 *	1.02 *	1.00 *	0.99 *	0.97 *	1.19 *
55	0.48 *	0.97 *	0.96 *	0.96 *	0.96 *	0.95 *	0.94 *	0.93 *	0.91 *	0.90 *	1.09 *
47.5	0.36 *	0.73 *	0.72 *	0.72 *	0.72 *	0.71 *	0.71 *	0.70 *	0.68 *	0.67 *	0.82 *
42.5	0.39 *	0.79 *	0.79 *	0.79 *	0.78 *	0.77 *	0.77 *	0.75 *	0.74 *	0.73 *	0.89 *
37.5	0.38 *	0.76 *	0.76 *	0.76 *	0.75 *	0.75 *	0.74 *	0.73 *	0.71 *	0.70 *	0.85 *
33	0.36 *	0.71 *	0.71 *	0.71 *	0.71 *	0.70 *	0.69 *	0.68 *	0.67 *	0.66 *	0.80 *
29	0.33 *	0.65 *	0.65 *	0.65 *	0.65 *	0.64 *	0.63 *	0.62 *	0.61 *	0.60 *	0.73 *
25.5	0.29 *	0.58 *	0.58 *	0.58 *	0.57 *	0.57 *	0.56 *	0.55 *	0.54 *	0.53 *	0.65 *
22.5	0.30 *	0.59 *	0.59 *	0.59 *	0.59 *	0.58 *	0.57 *	0.57 *	0.56 *	0.54 *	0.66 *
19.5	0.25 *	0.50 *	0.50 *	0.50 *	0.50 *	0.49 *	0.49 *	0.48 *	0.47 *	0.46 *	0.56 *
17	0.21 *	0.41 *	0.41 *	0.41 *	0.41 *	0.40 *	0.40 *	0.39 *	0.38 *	0.38 *	0.46 *
15	0.21 *	0.41 *	0.41 *	0.41 *	0.41 *	0.41 *	0.40 *	0.39 *	0.39 *	0.38 *	0.46 *
13	0.21 *	0.41 *	0.41 *	0.41 *	0.41 *	0.41 *	0.40 *	0.39 *	0.39 *	0.38 *	0.46 *
11	0.21 *	0.42 *	0.42 *	0.42 *	0.41 *	0.41 *	0.40 *	0.40 *	0.39 *	0.38 *	0.47 *
9	0.21 *	0.42 *	0.42 *	0.42 *	0.42 *	0.41 *	0.41 *	0.40 *	0.40 *	0.39 *	0.47 *
7	0.21 *	0.42 *	0.42 *	0.42 *	0.42 *	0.42 *	0.41 *	0.41 *	0.40 *	0.39 *	0.47 *
5	0.21 *	0.43 *	0.43 *	0.43 *	0.42 *	0.42 *	0.41 *	0.41 *	0.40 *	0.39 *	0.48 *
3	0.21 *	0.43 *	0.43 *	0.43 *	0.42 *	0.42 *	0.42 *	0.41 *	0.40 *	0.40 *	0.48 *
1	0.21 *	0.43 *	0.43 *	0.43 *	0.43 *	0.42 *	0.42 *	0.41 *	0.41 *	0.40 *	0.49 *
0	0.11 *	0.22 *	0.22 *	0.22 *	0.22 *	0.21 *	0.21 *	0.21 *	0.20 *	0.20 *	0.24 *
-1	0.11 *	0.22 *	0.22 *	0.22 *	0.22 *	0.21 *	0.21 *	0.21 *	0.20 *	0.20 *	0.24 *
-3	0.21 *	0.43 *	0.43 *	0.43 *	0.43 *	0.42 *	0.42 *	0.41 *	0.41 *	0.40 *	0.48 *
	0.21 *	0.43 *	0.43 *	0.43 *	0.42 *	0.42 *	0.42 *	0.41 *	0.40 *	0.40 *	0.48 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-5	0.21 *	0.43 *	0.42 *	0.42 *	0.42 *	0.41 *	0.41 *	0.40 *	0.39 *	0.48 *
-7	0.21 *	0.42 *	0.42 *	0.42 *	0.42 *	0.41 *	0.40 *	0.40 *	0.39 *	0.47 *
-9	0.21 *	0.42 *	0.42 *	0.42 *	0.41 *	0.41 *	0.40 *	0.39 *	0.39 *	0.47 *
-11	0.21 *	0.42 *	0.41 *	0.41 *	0.41 *	0.40 *	0.40 *	0.39 *	0.38 *	0.47 *
-13	0.21 *	0.41 *	0.41 *	0.41 *	0.40 *	0.40 *	0.39 *	0.39 *	0.38 *	0.46 *
-15	0.20 *	0.41 *	0.41 *	0.40 *	0.40 *	0.39 *	0.39 *	0.38 *	0.37 *	0.46 *
-17	0.25 *	0.50 *	0.50 *	0.50 *	0.49 *	0.49 *	0.48 *	0.47 *	0.46 *	0.56 *
-19.5	0.29 *	0.59 *	0.59 *	0.58 *	0.58 *	0.57 *	0.56 *	0.55 *	0.54 *	0.66 *
-22.5	0.29 *	0.57 *	0.57 *	0.57 *	0.56 *	0.55 *	0.55 *	0.54 *	0.53 *	0.64 *
-25.5	0.32 *	0.65 *	0.64 *	0.64 *	0.63 *	0.63 *	0.62 *	0.61 *	0.59 *	0.72 *
-29	0.35 *	0.71 *	0.70 *	0.70 *	0.69 *	0.69 *	0.68 *	0.66 *	0.65 *	0.79 *
-33	0.38 *	0.75 *	0.75 *	0.75 *	0.74 *	0.73 *	0.72 *	0.71 *	0.69 *	0.85 *
-37.5	0.39 *	0.78 *	0.78 *	0.77 *	0.77 *	0.76 *	0.75 *	0.73 *	0.72 *	0.88 *
-42.5	0.36 *	0.72 *	0.71 *	0.71 *	0.70 *	0.70 *	0.69 *	0.68 *	0.66 *	0.81 *
-47.5	0.48 *	0.95 *	0.95 *	0.94 *	0.94 *	0.92 *	0.91 *	0.90 *	0.88 *	1.08 *
-55	0.51 *	1.03 *	1.02 *	1.02 *	1.01 *	1.00 *	0.99 *	0.97 *	0.95 *	1.16 *
-65	0.37 *	0.74 *	0.74 *	0.73 *	0.72 *	0.72 *	0.71 *	0.70 *	0.69 *	0.84 *
-75	0.23 *	0.46 *	0.46 *	0.46 *	0.45 *	0.45 *	0.45 *	0.44 *	0.43 *	0.53 *
-85	0.07 *	0.15 *	0.15 *	0.15 *	0.15 *	0.15 *	0.14 *	0.14 *	0.14 *	0.17 *
-90										
Total	12.25	24.47	24.39	24.23	24.02	23.75	23.42	23.04	22.60	27.56

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.21 *	0.20 *	0.23 *	0.25 *	0.27 *	0.28 *	0.25 *	0.32 *	0.31 *	0.19 *
85	0.64 *	0.62 *	0.69 *	0.75 *	0.78 *	0.79 *	0.70 *	0.86 *	0.81 *	0.46 *
75	1.00 *	0.96 *	1.07 *	1.15 *	1.18 *	1.17 *	1.02 *	1.24 *	1.13 *	0.60 *
65	1.38 *	1.32 *	1.47 *	1.56 *	1.61 *	1.58 *	1.37 *	1.64 *	1.46 *	0.76 *
55	1.27 *	1.22 *	1.35 *	1.43 *	1.47 *	1.44 *	1.24 *	1.48 *	1.31 *	0.66 *
47.5	0.95 *	0.91 *	1.01 *	1.07 *	1.10 *	1.08 *	0.92 *	1.10 *	0.96 *	0.49 *

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LUMENS TABULATION - (Cont.)

42.5	1.03 *	0.99 *	1.09 *	1.16 *	1.18 *	1.16 *	0.99 *	1.18 *	1.03 *	0.52 *
37.5	0.99 *	0.95 *	1.04 *	1.11 *	1.13 *	1.11 *	0.95 *	1.13 *	0.98 *	0.49 *
33	0.93 *	0.88 *	0.98 *	1.03 *	1.06 *	1.03 *	0.88 *	1.05 *	0.91 *	0.45 *
29	0.84 *	0.81 *	0.89 *	0.94 *	0.96 *	0.94 *	0.80 *	0.95 *	0.82 *	0.41 *
25.5	0.75 *	0.71 *	0.78 *	0.83 *	0.84 *	0.83 *	0.71 *	0.83 *	0.72 *	0.36 *
22.5	0.76 *	0.73 *	0.80 *	0.85 *	0.86 *	0.84 *	0.72 *	0.85 *	0.74 *	0.37 *
19.5	0.65 *	0.62 *	0.68 *	0.72 *	0.73 *	0.72 *	0.61 *	0.72 *	0.63 *	0.31 *
17	0.53 *	0.50 *	0.55 *	0.59 *	0.60 *	0.58 *	0.50 *	0.59 *	0.51 *	0.25 *
15	0.53 *	0.51 *	0.56 *	0.59 *	0.60 *	0.59 *	0.50 *	0.59 *	0.51 *	0.25 *
13	0.54 *	0.51 *	0.57 *	0.60 *	0.61 *	0.59 *	0.51 *	0.60 *	0.52 *	0.25 *
11	0.54 *	0.52 *	0.57 *	0.60 *	0.61 *	0.60 *	0.51 *	0.60 *	0.52 *	0.25 *
9	0.55 *	0.52 *	0.58 *	0.61 *	0.62 *	0.60 *	0.51 *	0.60 *	0.52 *	0.26 *
7	0.55 *	0.53 *	0.58 *	0.61 *	0.62 *	0.61 *	0.52 *	0.61 *	0.52 *	0.26 *
5	0.56 *	0.53 *	0.58 *	0.62 *	0.63 *	0.61 *	0.52 *	0.61 *	0.53 *	0.26 *
3	0.56 *	0.53 *	0.59 *	0.62 *	0.63 *	0.61 *	0.52 *	0.61 *	0.53 *	0.26 *
1	0.28 *	0.27 *	0.29 *	0.31 *	0.31 *	0.31 *	0.26 *	0.31 *	0.26 *	0.13 *
0	0.28 *	0.27 *	0.29 *	0.31 *	0.31 *	0.31 *	0.26 *	0.31 *	0.26 *	0.13 *
-1	0.56 *	0.53 *	0.59 *	0.62 *	0.63 *	0.61 *	0.52 *	0.61 *	0.53 *	0.26 *
-3	0.56 *	0.53 *	0.58 *	0.62 *	0.63 *	0.61 *	0.52 *	0.61 *	0.53 *	0.26 *
-5	0.55 *	0.53 *	0.58 *	0.61 *	0.62 *	0.61 *	0.51 *	0.61 *	0.52 *	0.26 *
-7	0.55 *	0.52 *	0.57 *	0.61 *	0.62 *	0.60 *	0.51 *	0.60 *	0.52 *	0.26 *
-9	0.54 *	0.52 *	0.57 *	0.60 *	0.61 *	0.60 *	0.51 *	0.60 *	0.52 *	0.25 *
-11	0.54 *	0.51 *	0.56 *	0.60 *	0.61 *	0.59 *	0.50 *	0.59 *	0.51 *	0.25 *
-13	0.53 *	0.51 *	0.56 *	0.59 *	0.60 *	0.59 *	0.50 *	0.59 *	0.51 *	0.25 *
-15	0.53 *	0.50 *	0.55 *	0.58 *	0.59 *	0.58 *	0.49 *	0.58 *	0.51 *	0.25 *
-17	0.65 *	0.62 *	0.68 *	0.72 *	0.73 *	0.71 *	0.61 *	0.72 *	0.62 *	0.31 *
-19.5	0.76 *	0.73 *	0.80 *	0.85 *	0.86 *	0.84 *	0.72 *	0.85 *	0.74 *	0.36 *
-22.5	0.74 *	0.71 *	0.78 *	0.83 *	0.84 *	0.82 *	0.70 *	0.83 *	0.72 *	0.36 *

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LUMENS TABULATION - (Cont.)

-25.5	0.84 *	0.80 *	0.88 *	0.94 *	0.95 *	0.93 *	0.80 *	0.94 *	0.82 *	0.41 *
-29	0.92 *	0.88 *	0.97 *	1.03 *	1.05 *	1.03 *	0.88 *	1.04 *	0.90 *	0.45 *
-33	0.98 *	0.94 *	1.04 *	1.10 *	1.12 *	1.10 *	0.94 *	1.12 *	0.97 *	0.49 *
-37.5	1.02 *	0.98 *	1.08 *	1.15 *	1.17 *	1.15 *	0.99 *	1.17 *	1.02 *	0.51 *
-42.5	0.94 *	0.90 *	1.00 *	1.06 *	1.09 *	1.07 *	0.92 *	1.09 *	0.96 *	0.48 *
-47.5	1.25 *	1.20 *	1.33 *	1.42 *	1.45 *	1.43 *	1.23 *	1.47 *	1.29 *	0.66 *
-55	1.35 *	1.30 *	1.44 *	1.54 *	1.58 *	1.56 *	1.35 *	1.62 *	1.44 *	0.75 *
-65	0.98 *	0.94 *	1.04 *	1.12 *	1.16 *	1.15 *	1.00 *	1.22 *	1.11 *	0.59 *
-75	0.62 *	0.60 *	0.67 *	0.73 *	0.76 *	0.77 *	0.69 *	0.85 *	0.80 *	0.45 *
-85	0.21 *	0.20 *	0.23 *	0.25 *	0.27 *	0.28 *	0.25 *	0.32 *	0.31 *	0.18 *
-90										
Total	31.93	30.56	33.75	35.86	36.67	36.00	30.90	36.78	32.36	16.40

Vert. Angles	Horizontal Angles			Total
	75	85	90	
90				
	0.08	0.01		4.03
85				
	0.18 *	0.02		11.79
75				
	0.21 *	0.02		17.89
65				
	0.25 *	0.02		24.26
55				
	0.21 *	0.01		22.19
47.5				
	0.15 *	0.01		16.57
42.5				
	0.16 *	0.01		17.90
37.5				
	0.15 *	0.01		17.17
33				
	0.14 *	0.01		16.04
29				
	0.12 *	0.01		14.59
25.5				
	0.11 *	0.01		12.88
22.5				
	0.11 *	0.01		13.20
19.5				
	0.09 *	0.01		11.21
17				
	0.07 *	0.00		9.10
15				
	0.07 *	0.00		9.20

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LUMENS TABULATION - (Cont.)

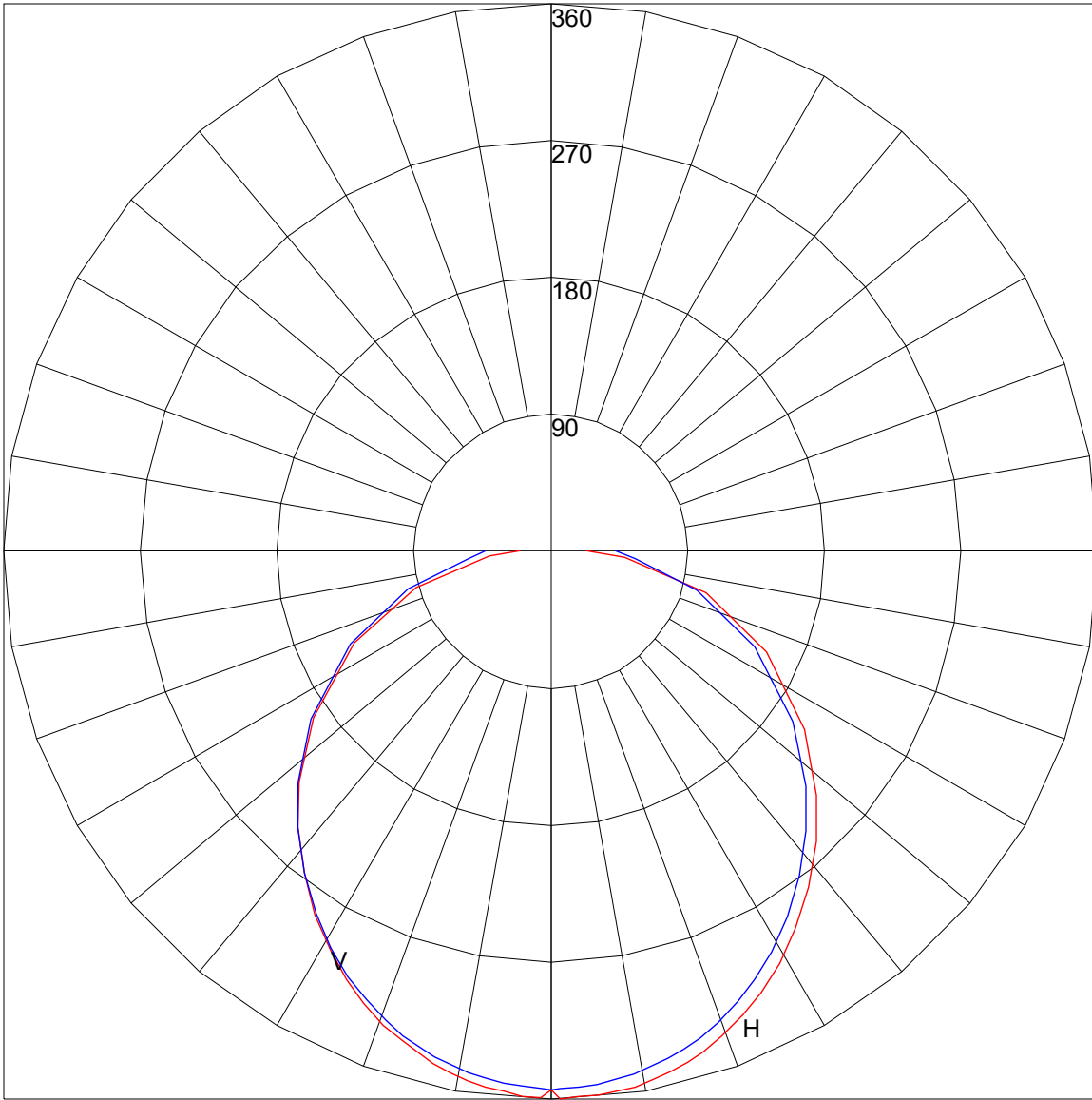
13	0.07 *	0.00 *	9.28
11	0.08 *	0.00 *	9.36
9	0.08 *	0.00 *	9.43
7	0.08 *	0.00 *	9.49
5	0.08 *	0.00 *	9.54
3	0.08 *	0.00 *	9.59
1	0.04 *	0.00 *	4.81
0	0.04 *	0.00 *	4.81
-1	0.08 *	0.00 *	9.58
-3	0.08 *	0.00 *	9.53
-5	0.08 *	0.00 *	9.47
-7	0.08 *	0.00 *	9.41
-9	0.08 *	0.00 *	9.33
-11	0.07 *	0.00 *	9.25
-13	0.07 *	0.00	9.16
-15	0.07 *	0.00	9.05
-17	0.09 *	0.01	11.16
-19.5	0.11 *	0.01	13.12
-22.5	0.11 *	0.01	12.80
-25.5	0.12 *	0.01	14.49
-29	0.14 *	0.01	15.92
-33	0.15 *	0.01	17.02
-37.5	0.16 *	0.01	17.72
-42.5	0.15 *	0.01	16.39
-47.5	0.21 *	0.01	21.90
-55	0.25 *	0.02	23.86
-65	0.21 *	0.02	17.49
-75	0.17	0.02	11.49

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

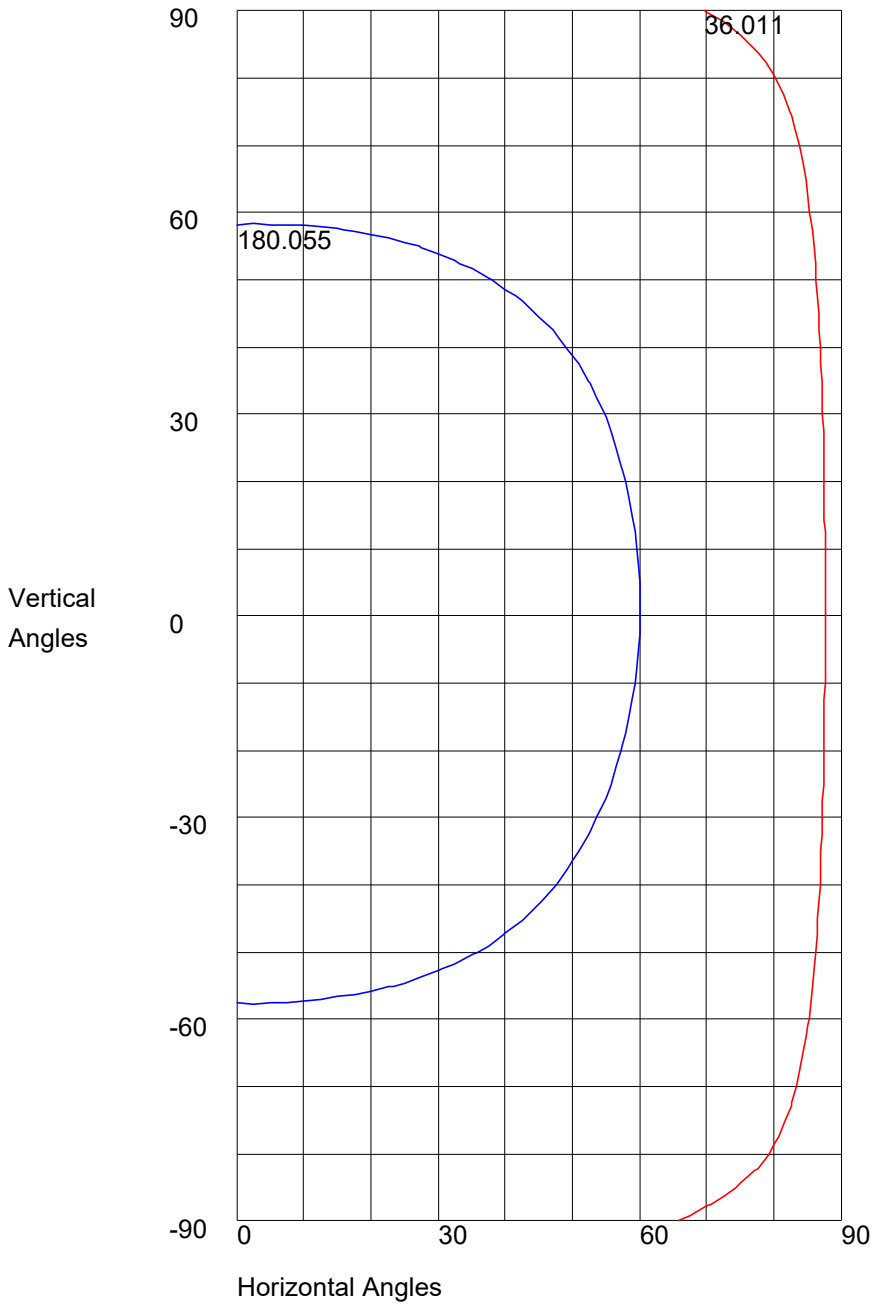
-85	0.08	0.01	3.99
-90			
Total	5.16	0.35	556.46

AXIAL CANDELA DISPLAY



Maximum Candela = 360.11 Located At Horizontal Angle = 1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 360.11 Located At Horizontal Angle = 1, Vertical Angle = 0
50% Maximum Candela = 180.055
10% Maximum Candela = 36.011