



IES ROAD REPORT

PHOTOMETRIC FILENAME : ALL HI S UV 850.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] Q2017011701
[TESTLAB] QSSI
[MANUFAC] LumenFocus, LLC
[ISSUEDATE] 01/17/17
[LUMCAT] ALL HI S UV 850
[LUMINAIRE] ALL WITH ONE 256 WATT LED ARRAY WITH 30 DEGREE OPTICS
[LAMPCAT] SAMSUNG 351B LEDs
[LAMP] SAMSUNG 351B LEDs

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	31707
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	281
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	66500.137
Maximum Candela Angle	270H 2.5V
Maximum Candela (<90 Degrees Vertical)	66500.137
Maximum Candela Angle (<90 Degrees Vertical)	270H 2.5V
Maximum Candela At 90 Degrees Vertical	8.534 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	409.784 (1.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	10561.2	N.A.	33.3
FM - Front-Medium (30-60)	3645.3	N.A.	11.5
FH - Front-High (60-80)	795.2	N.A.	2.5
FVH - Front-Very High (80-90)	29.2	N.A.	0.1
BL - Back-Low (0-30)	11479.8	N.A.	36.2
BM - Back-Medium (30-60)	3748.7	N.A.	11.8
BH - Back-High (60-80)	948.0	N.A.	3.0
BVH - Back-Very High (80-90)	54.2	N.A.	0.2
UL - Uplight-Low (90-100)	5.8	N.A.	0.0
UH - Uplight-High (100-180)	440.1	N.A.	1.4
Total	31707.5	N.A.	100.0
BUG Rating	B5-U3-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	10	20	30	40	50	60	70	80	90
0.0	65310.78265310.78265310.78265310.78265310.78265310.78265310.78265310.78265310.78265310.782									
2.5	62835.78862686.77462510.67062368.43362327.78962686.77462707.08962808.69762849.34164441.057									
5.0	58744.72858473.78758209.63858040.29958500.88958521.20758643.11958826.00759029.19960275.487									
7.5	53129.66752736.81852411.70052831.63952804.54952777.45752940.01053183.85953502.19754423.367									
10.0	46464.74846017.72245645.19146098.99045353.93245990.62046139.64146397.02146762.77947352.058									
12.5	39352.80338919.31138526.46238966.72338885.44438756.75238878.67138350.35439434.08340497.489									
15.0	32416.95532044.42432335.67532071.51531956.37531807.35431807.35431922.50532220.52433006.234									
17.5	26761.26326442.91426131.34525907.82425765.58525542.06725454.01625460.78726280.35526246.493									
20.0	21383.27421112.34220854.95320672.07420523.06420231.81520082.79519987.97620617.88520536.604									
22.5	16987.40916757.11016567.46016391.35314989.28413410.43213518.12713318.31213312.90215924.002									
25.0	13403.66213213.32713097.50312941.72212786.60812476.39812550.89812341.60412321.96812313.839									
27.5	10567.68210436.28210381.41710264.9179878.163 9822.623 9804.338 9578.783 9530.698 9523.243									
30.0	8146.911 8257.992 8248.510 8165.199 8008.058 7929.487 7687.005 7471.613 7405.235 7416.750									
32.5	6623.598 6573.476 6579.572 6511.839 6362.149 6132.535 6068.865 5887.342 5815.545 5872.441									
35.0	5322.450 5290.615 5294.679 5228.301 5088.094 5008.169 4840.192 4714.209 4641.734 4727.755									
37.5	4335.581 4325.422 4320.003 4246.852 4120.191 4049.749 3935.957 3849.259 3792.363 3874.321									
40.0	3600.003 3600.680 3588.488 3581.037 3450.990 3349.391 3273.530 3217.311 3177.349 3474.696									
42.5	3005.308 3056.108 3042.561 2968.732 2896.935 2830.557 2794.658 2758.760 2728.957 2811.591									
45.0	2636.841 2636.841 2670.030 2556.916 2489.861 2444.480 2445.157 2422.128 2399.776 2483.088									
47.5	2313.078 2319.851 2348.976 2245.345 2175.580 2158.647 2186.417 2172.193 2153.905 2262.955									
50.0	2056.370 2069.916 2090.914 2025.890 1923.614 1937.838 1983.219 1973.059 1970.350 2040.114									
52.5	1836.239 1850.462 1878.910 1820.660 1720.415 1755.636 1807.791 1796.953 1790.857 1878.233									
55.0	1681.130 1689.935 1685.194 1643.199 1547.696 1597.141 1641.845 1652.682 1648.618 1716.351									
57.5	1511.797 1520.603 1527.376 1481.995 1338.944 1398.007 1513.152 1509.088 1527.376 1596.464									
60.0	1342.533 1348.629 1345.784 1351.407 1243.101 1318.082 1348.155 1351.745 1351.474 1479.286									
62.5	1197.924 1226.507 1262.270 1213.976 1095.309 1204.493 1306.770 1312.392 1309.819 1369.559									
65.0	1024.527 1062.932 1135.542 1070.586 950.360 1045.931 1190.676 1197.653 1181.464 1239.512									
67.5	847.881 884.862 973.998 909.585 817.062 909.110 1029.404 1021.547 971.899 990.932									
70.0	594.017 654.773 826.815 752.513 683.154 742.962 859.192 854.315 782.518 780.960									
72.5	437.081 506.168 655.180 622.126 530.823 602.484 690.266 666.492 500.275 477.517									
75.0	297.686 373.614 506.913 467.154 405.855 443.583 512.331 512.602 368.941 351.533									
77.5	196.357 264.701 357.629 324.846 234.830 267.545 360.474 363.929 233.475 210.581									
80.0	117.381 172.313 204.825 180.508 132.688 146.100 206.247 236.997 150.909 134.043									
82.5	54.051 74.844 66.039 62.721 58.386 66.175 69.561 104.647 74.371 66.785									
85.0	13.682 13.547 12.192 14.224 12.801 15.239 18.491 19.507 21.133 17.882									
87.5	7.044 6.773 6.638 6.502 6.502 6.638 6.976 7.857 8.195 8.263									
90.0	5.012 5.080 5.148 5.148 5.012 5.012 4.944 4.877 4.877 5.283									
92.5	5.148 5.148 5.148 5.080 5.080 5.012 4.944 4.877 4.809 5.419									
95.0	5.215 5.215 5.215 5.148 5.148 5.080 4.944 4.877 4.809 5.486									
97.5	5.351 5.419 5.283 5.283 5.215 5.148 5.080 4.944 4.944 5.757									
100.0	5.757 5.757 5.690 5.622 5.622 5.554 5.351 5.283 5.215 5.961									
102.5	5.961 5.961 5.893 5.757 5.757 5.757 5.554 5.419 5.419 6.231									
105.0	6.231 6.164 6.028 5.961 5.961 5.893 5.690 5.554 5.622 6.502									
107.5	6.434 6.367 6.231 6.164 6.164 6.028 5.893 5.825 5.757 6.705									
110.0	6.638 6.570 6.434 6.367 6.367 6.367 6.096 5.961 5.961 6.976									
112.5	6.841 6.705 6.638 6.638 6.638 6.570 6.299 6.164 6.231 7.180									
115.0	7.044 6.909 6.773 6.773 6.773 6.705 6.434 6.434 6.367 7.451									
117.5	7.247 7.112 7.044 6.976 6.976 6.909 6.705 6.434 6.570 7.654									
120.0	7.518 7.518 7.383 7.383 7.315 7.112 7.112 6.976 6.976 7.857									
122.5	8.399 8.331 8.263 8.128 8.128 8.060 7.992 7.925 7.789 8.331									
125.0	9.889 9.821 9.821 9.618 9.618 9.550 9.415 9.415 9.279 9.347									
127.5	12.395 12.463 12.192 12.259 12.259 12.192 12.124 11.921 11.650 11.582									
130.0	17.001 17.136 16.730 16.730 16.865 16.798 16.527 15.850 15.781 15.714									

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80.0	192.700	350.179	348.824	197.239	361.016	382.690	373.885	224.603	209.972	301.953
82.5	101.802	132.757	118.533	104.851	131.808	206.992	222.367	147.523	120.226	170.552
85.0	24.384	32.308	40.911	45.042	52.222	60.079	89.068	72.677	63.804	88.662
87.5	9.076	10.160	11.108	12.734	13.276	14.562	16.865	16.730	18.355	21.539
90.0	5.283	5.215	5.283	5.351	6.164	6.773	7.654	7.586	7.518	7.789
92.5	5.283	5.215	5.215	5.215	5.215	5.215	5.215	5.080	5.080	5.080
95.0	5.419	5.351	5.283	5.351	5.283	5.283	5.148	5.148	5.080	5.012
97.5	5.554	5.486	5.419	5.419	5.419	5.351	5.283	5.215	5.148	5.148
100.0	5.757	5.622	5.690	5.622	5.554	5.486	5.419	5.351	5.283	5.215
102.5	6.028	5.893	5.825	5.757	5.690	5.554	5.554	5.554	5.554	5.351
105.0	6.299	6.096	5.961	5.961	5.825	5.757	5.757	5.690	5.690	5.622
107.5	6.434	6.299	6.231	6.164	6.096	5.961	5.893	5.961	5.893	5.825
110.0	6.773	6.570	6.502	6.434	6.299	6.164	6.164	6.231	6.164	6.028
112.5	6.976	6.841	6.705	6.705	6.638	6.434	6.367	6.367	6.434	6.231
115.0	7.247	7.112	6.976	6.976	6.841	6.705	6.638	6.638	6.570	6.502
117.5	7.518	7.315	7.247	7.180	7.112	6.909	6.841	6.841	6.773	6.705
120.0	7.654	7.518	7.451	7.383	7.247	7.112	6.976	6.976	6.976	6.841
122.5	8.195	8.060	7.925	7.925	7.789	7.586	7.451	7.451	7.383	7.247
125.0	9.279	9.076	9.008	8.941	8.873	8.670	8.534	8.399	8.331	8.128
127.5	10.973	11.040	10.837	10.769	10.905	10.498	10.363	10.160	9.956	9.686
130.0	15.375	15.037	14.698	14.495	13.749	13.818	13.478	13.614	13.411	13.072
132.5	21.539	20.929	20.455	19.981	19.507	18.897	17.949	18.897	18.491	17.949
135.0	33.392	32.376	31.495	30.615	29.803	29.125	28.380	28.921	28.312	27.567
137.5	45.313	45.448	44.229	42.874	41.926	40.911	39.894	40.369	39.623	38.743
140.0	64.617	62.653	60.824	59.266	57.709	56.286	54.795	53.712	53.983	53.441
142.5	83.379	81.211	79.044	78.908	74.777	74.777	72.948	71.797	70.307	71.187
145.0	107.966	105.122	104.918	102.006	99.228	96.587	91.913	92.523	91.371	92.320
147.5	134.991	131.808	125.848	128.218	125.171	121.919	119.075	117.449	116.094	117.652
150.0	167.301	160.324	160.459	160.594	157.005	152.941	149.351	147.658	146.303	148.538
152.5	212.411	208.685	204.825	200.354	201.505	196.493	192.091	189.855	188.433	186.943
155.0	301.344	296.941	292.403	287.052	281.566	275.673	281.227	277.841	276.892	274.996
157.5	406.736	403.688	400.098	395.424	390.345	384.655	377.407	385.468	385.264	385.806
160.0	483.748	473.250	469.931	472.775	467.831	468.373	456.113	451.372	443.447	461.871
162.5	544.234	541.118	536.851	531.771	526.420	511.383	502.307	483.613	470.812	511.587
165.0	579.861	575.188	569.701	562.589	552.158	531.161	510.910	493.366	489.641	517.954
167.5	590.021	579.658	564.960	544.776	519.986	486.864	467.763	460.245	458.891	468.034
170.0	555.274	527.843	503.188	476.704	449.950	426.243	414.322	402.537	408.091	407.684
172.5	457.603	445.682	430.781	408.904	396.914	386.754	377.407	362.912	362.303	361.964
175.0	390.141	384.520	377.476	366.638	362.371	359.390	344.693	335.752	333.381	329.250
177.5	337.242	333.516	328.775	327.014	326.811	324.440	321.595	317.667	313.738	311.571
180.0	331.276	331.276	331.276	331.276	331.276	331.276	331.276	331.276	331.276	331.276

Vert. Angles	Horizontal Angles									
	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0.0	65310.78265310.78265310.78265310.78265310.78265310.78265310.78265310.78265310.782									
2.5	65213.21765125.16065077.74864928.73464732.30864596.84764271.72966500.13765870.22965308.034									
5.0	63316.68963282.82963208.31963099.94962517.43962253.28661772.38564278.49863370.87862530.992									
7.5	59388.18859415.28659327.22659178.21658351.86857959.02057349.43060112.92758954.70057931.929									
10.0	53739.26753840.86853759.58553597.02652608.13052757.13951436.34954314.99753021.29651883.379									
12.5	46891.46747060.79947020.16046864.38146505.39145225.24144541.13347399.46646112.53944954.311									
15.0	39528.90439752.43239759.20139630.50238519.69338709.34337341.13639996.25938844.80437761.076									
17.5	32315.35332552.42332626.92332545.64332186.66531021.65730459.47732823.35231868.32330933.605									
20.0	26388.72526050.06626178.75626138.11625819.77624817.32724363.51926415.82325636.89525481.107									
22.5	20245.35420536.60420699.16420678.84420448.55620076.02419263.22820997.19320387.59619872.826									
25.0	15774.98416039.14216228.80116228.80116093.33315395.68415483.73416560.69214874.14413394.857									

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CANDELA TABULATION - (Cont.)

27.5	12232.5591	2503.4881	2699.9181	2727.0081	2618.6381	2056.4491	1832.9301	2966.7781	2973.5571	2498.744
30.0	9502.923	9753.533	9943.183	9990.602	9889.003	9679.024	9496.153	10414.602	10235.117	10166.027
32.5	7606.403	7816.374	7796.054	7843.467	7768.961	7606.403	7274.511	8180.099	8099.497	7917.973
35.0	5858.894	6028.226	6156.918	6204.331	6163.692	6028.226	5906.307	6338.442	6446.138	6480.004
37.5	4700.662	4809.034	4897.087	4944.500	4924.180	4842.901	4754.848	5207.981	5192.402	5236.429
40.0	3921.734	3982.693	4030.106	3975.920	3996.240	3955.600	3887.867	4253.625	4257.689	4296.297
42.5	3515.337	3495.016	3495.016	3535.656	3495.016	3481.470	3488.243	3543.784	3554.622	3591.197
45.0	2841.394	2843.426	2816.333	2789.917	2848.167	2845.458	2798.722	2975.506	3030.369	3003.953
47.5	2506.117	2495.957	2438.384	2446.512	2484.442	2490.538	2441.770	2627.358	2630.745	2644.968
50.0	2253.473	2231.121	2150.518	2157.292	2235.862	2218.929	2163.388	2315.787	2319.174	2330.688
52.5	2055.015	2033.341	1927.001	1934.451	2010.989	2004.216	1938.515	2063.820	2058.402	2064.498
55.0	1880.942	1870.782	1743.444	1746.831	1788.825	1794.921	1754.281	1859.945	1849.108	1866.041
57.5	1738.703	1719.060	1586.981	1573.434	1643.877	1628.975	1586.981	1673.679	1662.165	1679.775
60.0	1616.784	1592.400	1447.451	1421.036	1502.315	1489.446	1442.033	1517.893	1511.797	1511.797
62.5	1516.539	1482.672	1302.503	1285.570	1374.978	1364.818	1305.890	1340.772	1344.362	1341.382
65.0	1423.746	1372.946	1165.683	1148.072	1265.250	1251.704	1192.776	1247.301	1223.256	1252.923
67.5	1293.021	1241.544	1027.508	1005.156	1138.590	1120.302	1033.604	1086.910	1080.678	1112.107
70.0	1112.851	1087.790	877.818	862.917	971.966	955.033	853.435	901.931	905.317	943.316
72.5	928.617	858.853	732.193	710.518	808.731	806.022	667.846	714.176	729.483	810.086
75.0	745.062	709.164	596.049	591.308	653.622	625.175	428.072	448.121	505.152	622.059
77.5	571.665	539.831	449.746	426.717	483.613	484.967	356.275	311.775	375.985	461.194
80.0	409.784	383.368	350.179	357.629	363.048	359.661	196.426	196.222	254.270	308.523
82.5	352.211	282.514	149.148	139.597	198.119	190.465	116.907	115.755	145.422	134.991
85.0	95.233	82.770	71.932	70.239	67.665	60.418	45.719	50.935	49.783	44.297
87.5	20.252	21.675	20.997	18.220	15.917	11.650	10.566	11.786	11.988	11.040
90.0	8.466	8.534	8.331	7.925	7.451	6.773	6.164	6.028	5.893	5.283
92.5	5.080	5.215	5.215	5.215	5.215	5.215	5.283	4.944	5.012	5.012
95.0	5.148	5.215	5.215	5.215	5.215	5.283	5.351	4.944	4.944	5.012
97.5	5.148	5.215	5.283	5.351	5.419	5.351	5.419	5.080	5.012	5.080
100.0	5.215	5.351	5.351	5.419	5.419	5.486	5.554	5.419	5.351	5.419
102.5	5.419	5.486	5.486	5.486	5.486	5.622	5.757	5.554	5.554	5.554
105.0	5.486	5.486	5.622	5.622	5.622	5.757	5.961	5.757	5.622	5.690
107.5	5.690	5.757	5.757	5.757	5.757	5.961	6.096	5.893	5.893	5.825
110.0	5.893	5.961	5.961	5.961	5.961	6.028	6.299	6.028	6.028	6.028
112.5	6.164	6.164	6.231	6.164	6.164	6.299	6.434	6.231	6.096	6.164
115.0	6.367	6.367	6.434	6.299	6.367	6.434	6.638	6.299	6.231	6.299
117.5	6.570	6.570	6.570	6.502	6.502	6.570	6.705	6.434	6.367	6.367
120.0	6.705	6.705	6.705	6.638	6.570	6.638	6.841	6.705	6.705	6.705
122.5	7.112	7.112	7.112	6.976	7.044	6.976	7.180	7.383	7.315	7.383
125.0	8.128	7.925	7.992	7.925	7.857	7.789	7.789	8.534	8.534	8.670
127.5	9.550	9.415	9.550	9.483	9.347	9.279	9.415	10.905	10.702	10.837
130.0	12.801	12.598	12.869	12.734	12.530	12.530	12.598	14.291	14.495	14.698
132.5	17.678	17.407	17.136	17.542	17.475	17.407	17.475	20.049	20.387	20.862
135.0	27.093	26.754	25.399	26.145	27.093	27.160	27.364	27.635	28.041	28.651
137.5	38.201	37.727	37.456	37.118	38.472	38.608	38.879	39.488	40.165	39.488
140.0	52.764	52.357	52.086	51.951	53.712	54.118	54.525	58.182	55.406	58.250
142.5	70.780	70.442	70.374	70.374	70.645	73.152	73.829	75.928	77.012	78.299
145.0	89.746	89.543	92.320	92.861	93.268	93.945	97.196	106.137	107.425	108.779
147.5	117.449	117.855	115.553	118.939	119.481	120.429	124.222	146.168	147.319	148.673
150.0	145.084	149.554	150.638	151.518	152.399	153.212	154.025	204.825	205.637	200.286
152.5	187.281	188.907	196.290	197.577	198.660	199.406	199.880	268.765	269.035	269.171
155.0	275.538	289.626	291.522	292.674	293.148	281.837	292.538	347.605	346.657	345.573
157.5	387.771	392.241	405.313	397.592	408.362	408.564	407.616	418.995	416.557	414.389
160.0	468.440	474.605	480.091	492.011	493.502	493.637	492.622	482.529	478.533	475.146
162.5	527.572	538.883	551.752	552.227	560.490	561.574	560.693	529.129	524.185	516.735
165.0	544.979	567.263	581.758	593.205	599.030	601.671	602.077	552.633	546.469	541.389

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

167.5	489.031	534.954	569.092	593.746	605.532	613.050	616.843	555.003	550.668	544.776
170.0	419.402	460.719	496.008	529.942	550.533	571.056	582.841	534.074	530.213	524.930
172.5	372.463	389.464	411.951	440.399	455.233	469.524	485.645	489.980	492.418	486.932
175.0	333.516	339.748	348.215	360.610	373.682	387.974	396.983	433.084	443.447	439.790
177.5	312.994	316.109	320.512	326.201	331.349	337.174	342.796	391.496	390.345	391.631
180.0	331.276	331.276	331.276	331.276	331.276	331.276	331.276	331.276	331.276	331.276

Vert. Horizontal Angles
Angles

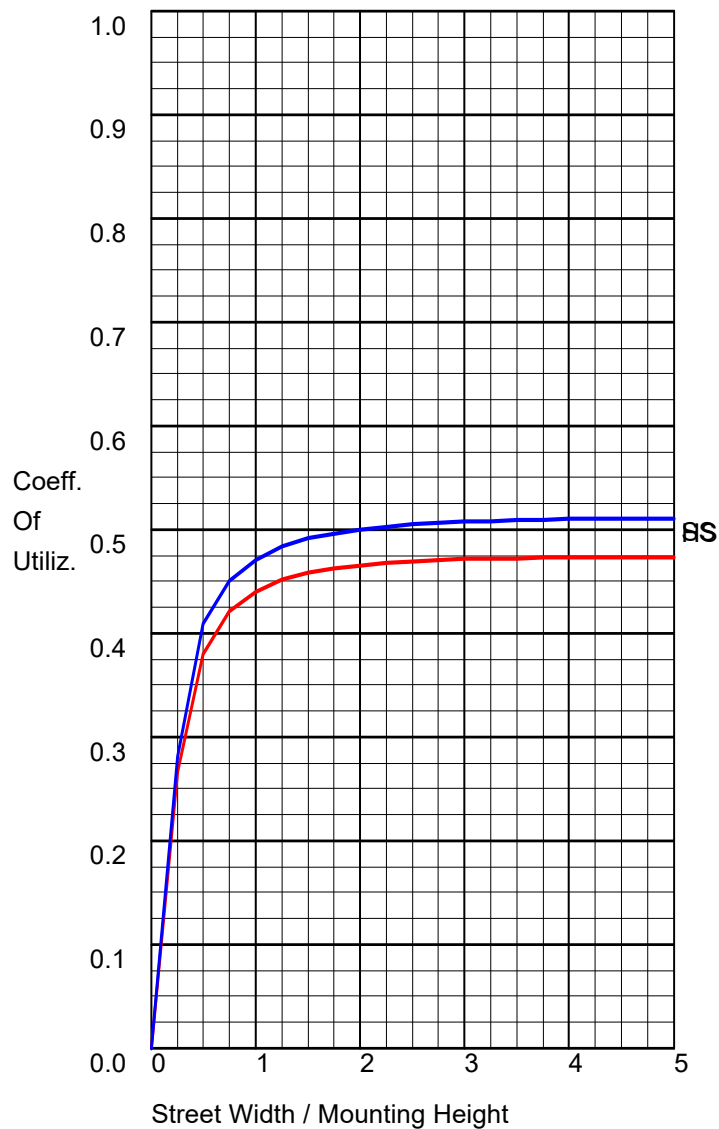
	300	310	320	330	340	350	360
0.0	65310.78265310.78265310.78265310.78265310.78265310.782						
2.5	64854.23164576.52664102.38663994.01663580.84963228.64062835.788						
5.0	61833.34361305.02260620.92660478.68559835.22559279.81758744.728						
7.5	57051.40356306.34156069.27255297.12454497.86653786.67653129.667						
10.0	50914.80150013.95349803.98648896.36548002.28747203.04846464.748						
12.5	43978.95343023.92342834.27441892.78640971.61740152.04939352.803						
15.0	36873.77735993.24735817.13934902.75034001.90233229.75432416.955						
17.5	30825.22730039.52829253.82928447.81027587.60226896.72426761.263						
20.0	24891.83724241.59723564.26822859.84222053.82321471.32221383.274						
22.5	19933.78519446.10618877.15718287.87817536.03917427.67116987.409						
25.0	14711.58413310.86713490.36113313.57713266.84213410.43213403.662						
27.5	12662.66312456.07812073.38411611.44511036.39110592.07110567.682						
30.0	10119.9689985.858 9688.513 9045.726 8975.283 8581.078 8146.911						
32.5	8104.916 8029.055 7802.827 7419.459 7000.193 6827.474 6623.598						
35.0	6519.967 6456.976 6293.739 6108.828 5757.972 5371.218 5322.450						
37.5	5261.490 5230.333 5100.963 4962.787 4592.289 4469.692 4335.581						
40.0	4306.457 4285.460 4194.697 4096.484 3881.094 3704.311 3600.003						
42.5	3582.392 3546.494 3486.211 3435.411 3276.239 3127.905 3005.308						
45.0	3034.433 2988.375 2996.503 2936.220 2815.656 2693.736 2636.841						
47.5	2620.584 2558.948 2579.946 2553.530 2464.122 2332.043 2313.078						
50.0	2301.563 2248.731 2254.827 2249.409 2183.708 2098.364 2056.370						
52.5	2044.855 1945.966 1993.379 2002.184 1945.966 1874.846 1836.239						
55.0	1838.948 1740.735 1771.215 1784.084 1744.122 1694.677 1681.130						
57.5	1644.554 1542.277 1576.821 1602.560 1563.274 1520.603 1511.797						
60.0	1477.931 1351.542 1344.294 1342.466 1350.052 1339.757 1342.533						
62.5	1325.058 1201.242 1248.317 1299.049 1255.564 1225.965 1197.924						
65.0	1185.867 1037.126 1079.866 1162.567 1112.309 1037.126 1024.527						
67.5	1038.142 883.914 933.494 1032.182 958.488 880.121 847.881						
70.0	871.654 744.452 785.973 871.180 792.746 630.119 594.017						
72.5	729.077 602.348 649.152 694.329 624.564 464.918 437.081						
75.0	567.331 477.314 502.036 524.185 491.944 326.066 297.686						
77.5	392.106 280.143 351.466 387.094 348.757 224.128 196.357						
80.0	227.515 163.710 195.274 230.428 217.219 140.952 117.381						
82.5	110.337 88.256 91.913 85.208 91.642 65.362 54.051						
85.0	37.185 30.073 26.754 20.929 16.933 13.547 13.682						
87.5	9.889 8.873 8.399 7.315 7.315 7.315 7.044						
90.0	5.080 5.080 5.080 5.080 5.080 5.012 5.012						
92.5	5.012 5.080 5.080 5.080 5.080 5.012 5.148						
95.0	5.012 5.080 5.080 5.080 5.080 5.148 5.148						
97.5	5.148 5.215 5.283 5.283 5.215 5.283 5.351						
100.0	5.486 5.554 5.554 5.622 5.622 5.690 5.757						
102.5	5.622 5.757 5.757 5.757 5.757 5.961 5.961						
105.0	5.757 5.893 5.893 5.893 6.028 6.231 6.231						
107.5	5.961 6.096 6.028 6.096 6.231 6.434 6.434						
110.0	6.164 6.299 6.299 6.299 6.434 6.638 6.638						
112.5	6.299 6.434 6.502 6.502 6.638 6.705 6.841						

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

115.0	6.434	6.570	6.638	6.638	6.841	6.976	7.044
117.5	6.638	6.773	6.841	6.841	6.976	7.112	7.247
120.0	6.909	7.112	7.180	7.180	7.383	7.518	7.518
122.5	7.654	7.857	7.925	7.925	8.060	8.331	8.399
125.0	8.941	9.212	9.144	9.415	9.415	9.686	9.889
127.5	11.176	11.515	11.447	11.650	11.853	12.530	12.395
130.0	14.630	15.172	15.443	15.781	16.188	16.662	17.001
132.5	20.726	22.013	21.877	22.352	22.894	23.571	23.165
135.0	28.583	29.261	30.073	30.751	31.495	32.241	31.902
137.5	41.994	41.453	42.401	43.485	44.433	45.448	44.704
140.0	57.709	58.859	59.943	61.027	62.179	61.366	62.314
142.5	79.721	80.940	82.228	83.447	82.024	83.583	84.327
145.0	113.723	115.011	112.640	113.859	111.827	113.521	114.265
147.5	149.961	151.180	151.993	148.877	150.638	151.654	152.264
150.0	201.032	201.844	196.968	197.983	199.135	200.015	200.354
152.5	269.103	269.577	269.442	262.329	262.465	262.736	256.031
155.0	344.354	336.700	335.413	334.058	333.043	332.297	331.349
157.5	405.788	403.146	400.234	397.863	395.899	400.640	386.823
160.0	471.624	462.480	458.280	454.827	452.049	445.140	442.973
162.5	511.858	506.439	502.442	498.311	494.585	488.287	485.442
165.0	535.835	529.197	525.133	521.001	515.718	512.331	509.284
167.5	537.054	531.500	526.691	523.304	519.579	516.395	513.280
170.0	517.141	511.654	506.168	504.543	500.952	497.769	494.925
172.5	482.935	479.210	474.334	469.118	467.560	464.106	462.819
175.0	438.773	435.590	430.714	429.426	424.889	421.298	419.335
177.5	389.870	386.077	385.671	379.846	375.579	373.276	373.343
180.0	331.276	331.276	331.276	331.276	331.276	331.276	331.276

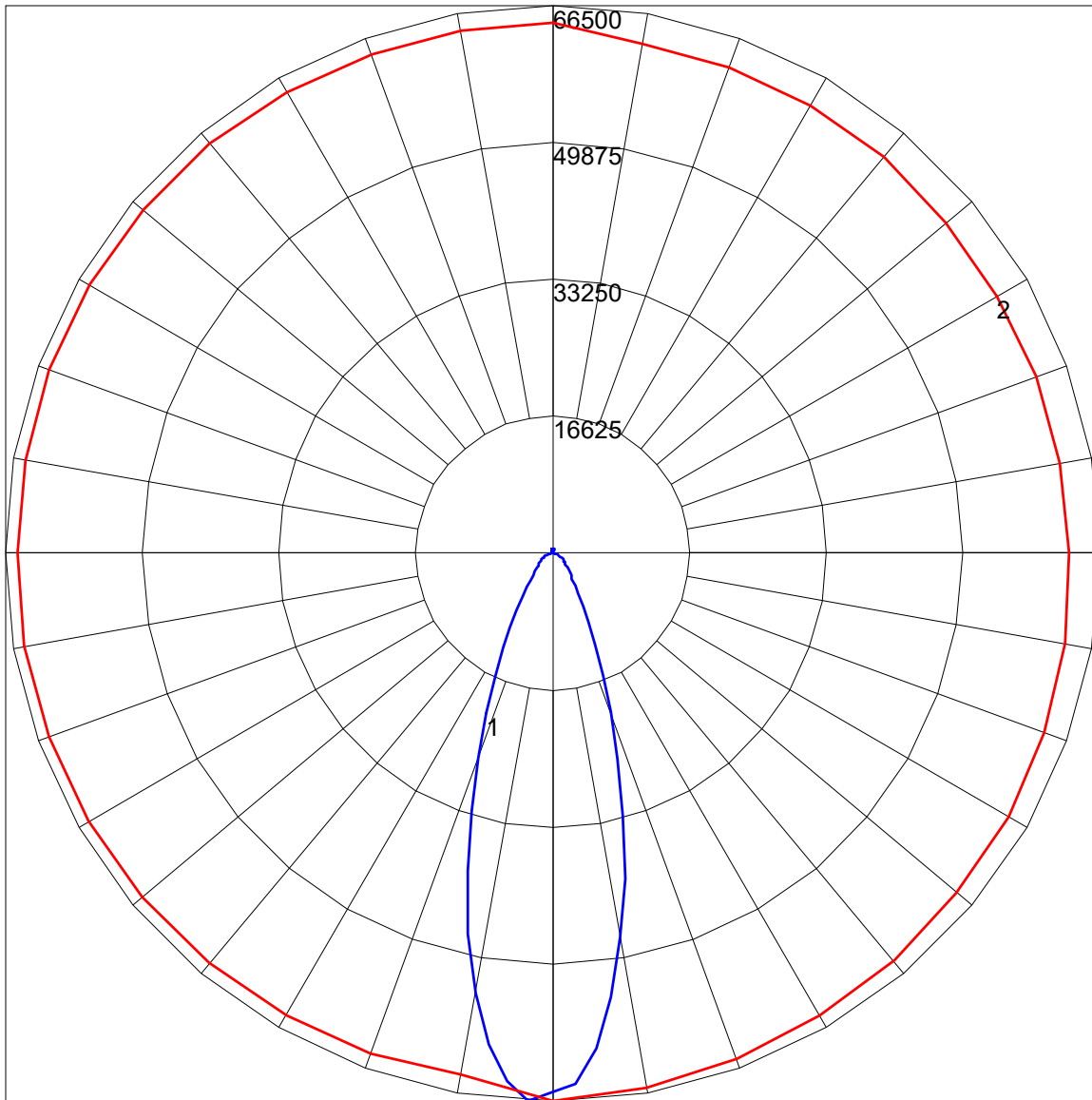
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

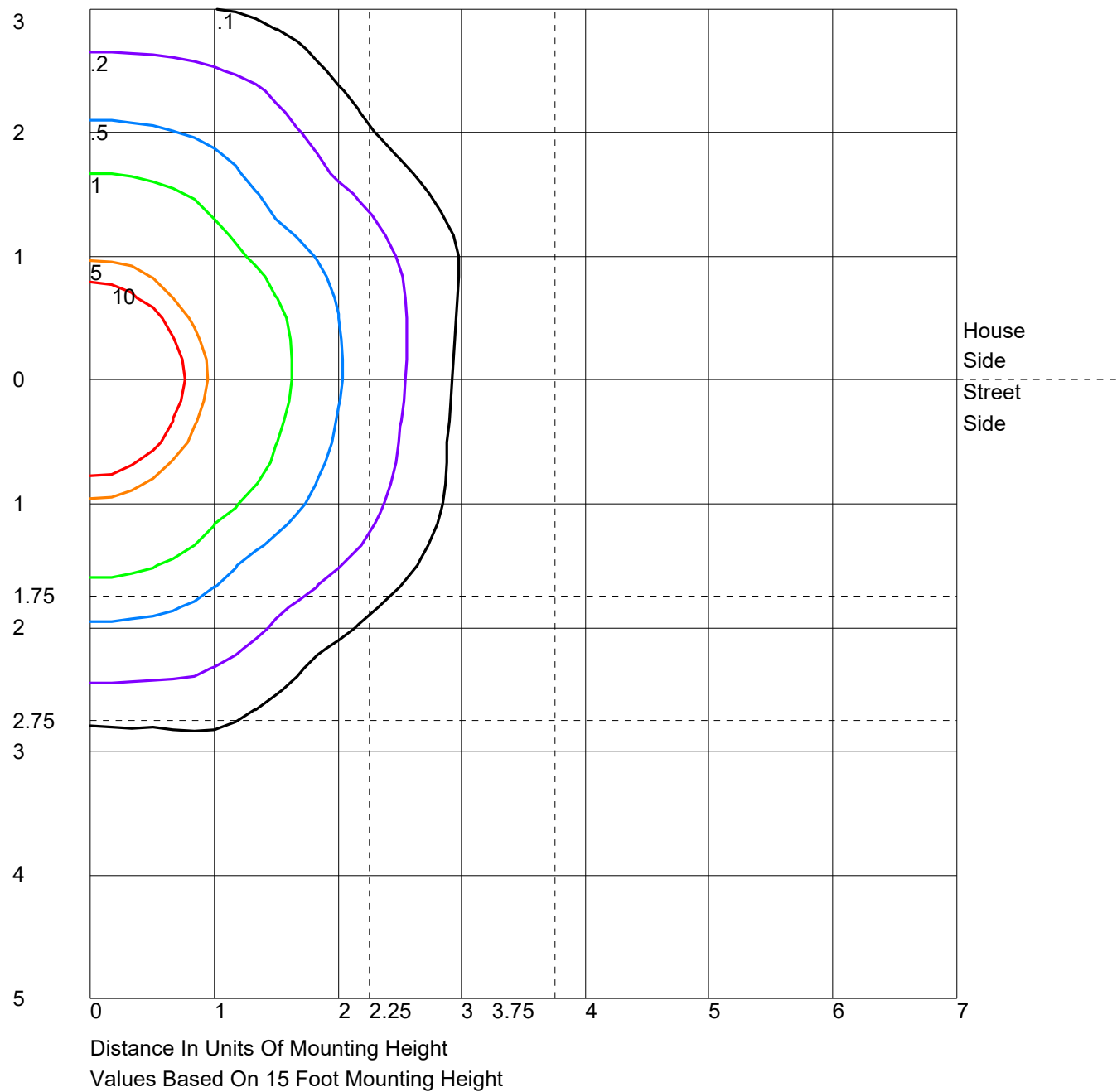
	Lumens	Percent Of Luminaire
Downward Street Side	15030.9	47.4
Downward House Side	16230.7	51.2
Downward Total	31261.6	98.6
Upward Street Side	229.1	0.7
Upward House Side	216.8	0.7
Upward Total	445.9	1.4
Total Flux	31707.5	100.0

POLAR GRAPH

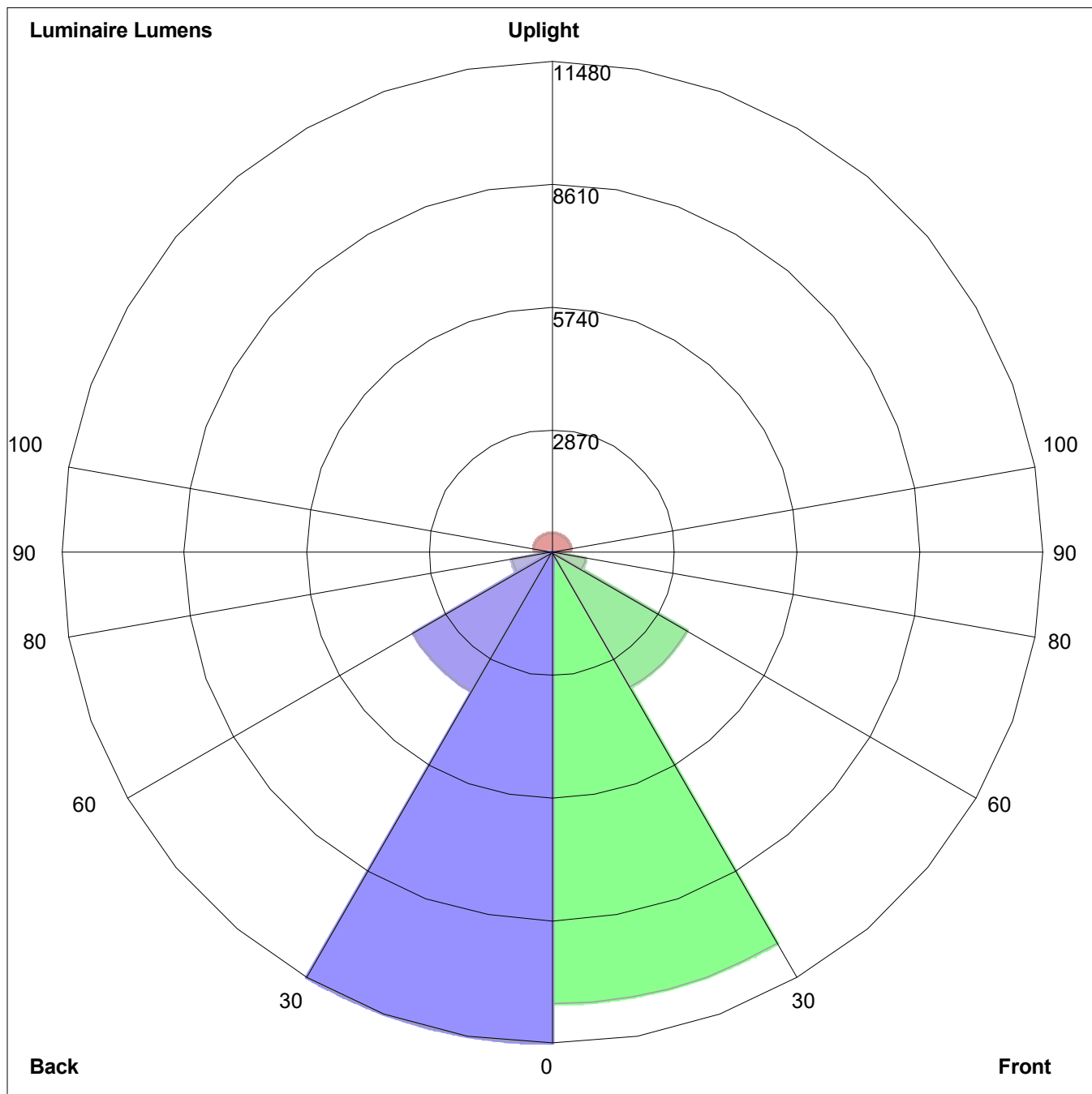


Maximum Candela = 66500.137 Located At Horizontal Angle = 270, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=10561.2, Medium=3645.3, High=795.2, Very High=29.2
Back: Low=11479.8, Medium=3748.7, High=948.0, Very High=54.2
Uplight: Low=5.8, High=440.1

BUG Rating : B5-U3-G1