IES INDOOR REPORT
PHOTOMETRIC FILENAME : EVT 4 LW UV FA 840(S).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLIA001045-001A
[TESTLAB] LightLab International Allentown, LLC
[MANUFAC] Lumen Focus, LLC, 880 Facet Road, Henderson, NC 27537, USA
[LUMCAT] EVT 4 LW UV FA 840
[LUMINAIRE] Catalog Number: EVT 4 LW UV FA 840
[MORE] Surface mounted, formed gray plastic housing with frosted section below LEDs,
[MORE] formed white enamel steel LED tray/reflector.
[MORE] Two ULT Everline M10CC840D56N2A boards with 56 LEDs each.
[MORE] One ULT Everline D15CC55UNVPW-C LED driver
[MORE] 120.0Vac, 60.00Hz
[OTHER] Absolute test - lamp lumens value set to -1
[MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.
[MORE] The sample was tested at a distance of 9.5m.
[MORE] This IES file created by LightLab/LSA Report program version 3.820a.
[DATE] This file created: Monday, October 29, 2018 2:25:36 PM
[ISSUEDATE] Monday, October 29, 2018 2:25:36 PM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4709
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	41.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.16 m
Luminous Width (90-270)	0.06 m
Luminous Height	0.03 m

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16040	13454	13435
55	14673	11907	12080
65	12908	10242	10643
75	9948	8627	9246
85	4021	7322	8104

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	881.228	881.228	881.228	881.228	881.228
0.5	881.459	875.693	885.759	883.617	877.889
1.0	881.315	875.569	885.654	883.535	877.798
1.5	881.070	875.323	885.414	883.391	877.707
2.0	880.662	874.987	885.130	883.156	877.586
2.5	880.143	874.564	884.761	882.843	877.385
3.0	879.634	874.054	884.275	882.468	877.092
3.5	878.965	873.425	883.708	882.051	876.707
4.0	878.134	872.681	883.055	881.556	876.380
4.5	877.255	871.878	882.358	880.979	875.919
5.0	876.222	870.994	881.574	880.364	875.376
5.5	875.136	869.956	880.667	879.648	874.790
6.0	874.007	868.875	879.768	878.913	874.166
6.5	872.656	867.664	878.692	878.033	873.454
7.0	871.243	866.376	877.567	877.183	872.724
7.5	869.735	864.983	876.332	876.193	871.878
8.0	868.130	863.479	875.040	875.184	871.042
8.5	866.429	861.902	873.661	874.069	870.095
9.0	864.632	860.236	872.262	872.921	869.134
9.5	862.791	858.496	870.763	871.724	868.058
10.0	860.793	856.632	869.134	870.398	866.982
10.5	858.741	854.686	867.457	869.033	865.794
11.0	856.511	852.629	865.675	867.621	864.565
11.5	854.263	850.490	863.844	866.160	863.272
12.0	851.889	848.213	861.864	864.574	861.884
12.5	849.405	845.940	859.942	862.955	860.481
13.0	846.800	843.504	857.785	861.283	859.019
13.5	844.162	841.034	855.665	859.534	857.506
14.0	841.481	838.478	853.455	857.761	855.987
14.5	838.641	835.786	851.154	855.872	854.325
15.0	835.720	833.062	848.770	853.941	852.653
15.5	832.650	830.174	846.257	851.913	850.870
16.0	829.579	827.277	843.744	849.866	849.010
16.5	826.330	824.197	841.091	847.685	847.064
17.0	823.025	821.155	838.430	845.512	845.205
17.5	819.599	817.907	835.657	843.264	843.197
18.0	816.206	814.673	832.818	840.929	841.091
18.5	812.732	811.401	829.968	838.627	839.035
19.0	809.109	807.874	827.004	836.109	836.863
19.5	805.400	804.438	823.962	833.634	834.644
20.0	801.546	800.825	820.786	831.045	832.288
20.5	797.688	797.169	817.581	828.407	829.944
21.0	793.675	793.344	814.299	825.639	827.508
21.5	789.720	789.562	810.983	822.943	825.077
22.0	785.517	785.655	807.557	820.070	822.568
22.5	781.374	781.749	804.136	817.245	820.007
23.0	777.184	777.761	800.677	814.342	817.384
23.5	772.773	773.571	797.029	811.305	814.693
24.0	768.415	769.462	793.396	808.273	811.929
24.5	763.869	765.133	789.610	805.092	809.129
25.0	759.319	760.833	785.848	801.959	806.250
25.5	754.610	756.349	781.970	798.649	803.271
26.0	749.945	751.991	778.078	795.352	800.387
26.5	745.115	747.407	774.051	791.941	797.298

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CANDELA TABULATION - (Cont.)

27.0	740.300	742.813	770.077	788.567	794.237
27.5	735.462	738.230	765.964	785.113	791.119
28.0	730.455	733.482	761.856	781.591	787.933
28.5	725.409	728.744	757.656	777.987	784.704
29.0	720.225	723.833	753.293	774.257	781.293
29.5	715.093	718.961	749.041	770.597	777.968
30.0	709.865	713.901	744.601	766.762	774.541
30.5	704.608	708.952	740.267	762.976	771.144
31.0	699.120	703.816	735.702	759.026	767.583
31.5	693.811	698.737	731.257	755.105	764.033
32.0	688.405	693.609	726.760	751.217	760.405
32.5	682.803	688.295	722.080	747.100	756.676
33.0	677.267	683.033	717.443	743.020	752.962
33.5	671.569	677.657	712.642	738.816	749.108
34.0	665.860	672.241	707.904	734.649	745.327
34.5	660.108	666.807	703.066	730.354	741.271
35.0	654.294	661.271	698.198	726.015	737.330
35.5	648.432	655.789	693.360	721.681	733.333
36.0	642.556	650.238	688.463	717.260	729.239
36.5	636.665	644.660	683.581	712.916	725.150
37.0	630.572	638.937	678.464	708.303	720.926
37.5	624.589	633.286	673.438	703.758	716.693
38.0	618.395	627.462	668.267	699.097	712.344
38.5	612.341	621.735	663.212	694.465	708.078
39.0	606.041	615.854	657.980	689.737	703.657
39.5	599.867	610.088	652.844	684.970	699.227
40.0	593.491	604.091	647.500	680.145	694.575
40.5	587.253	598.248	642.286	675.336	690.159
41.0	580.984	592.395	637.010	670.536	685.493
41.5	574.520	586.370	631.614	665.528	680.929
42.0	568.119	580.416	626.242	660.579	676.249
42.5	561.638	574.324	620.740	655.496	671.410
43.0	555.266	568.336	615.353	650.498	666.725
43.5	548.645	562.301	609.794	645.390	661.791
44.0	542.273	556.237	604.317	640.258	656.951
44.5	535.681	550.101	598.651	635.069	651.963
45.0	529.251	544.046	593.145	629.875	647.067
45.5	522.832	538.016	587.610	624.743	642.080
46.0	516.181	531.784	581.847	619.390	636.981
46.5	509.704	525.662	576.221	614.114	631.825
47.0	503.059	519.425	570.503	608.675	626.612
47.5	496.538	513.289	564.761	603.374	621.514
48.0	490.022	507.042	558.927	597.878	616.166
48.5	483.430	500.902	553.152	592.477	610.966
49.0	476.732	494.593	547.227	586.913	605.619
49.5	470.226	488.485	541.404	581.430	600.276
50.0	463.729	482.387	535.551	575.899	594.946
50.5	457.031	476.030	529.573	570.311	589.450
51.0	450.366	469.894	523.682	564.718	584.044
51.5	443.774	463.556	517.628	559.048	578.489
52.0	437.201	457.444	511.684	553.392	573.030
52.5	430.483	451.078	505.582	547.693	567.389
53.0	423.962	444.956	499.628	542.072	561.902
53.5	417.168	438.575	493.473	536.253	556.252
54.0	410.551	432.338	487.491	530.602	550.633
54.5	404.074	426.206	481.494	524.922	545.036

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CANDELA TABULATION - (Cont.)

55.0	397.246	419.863	475.343	519.127	539.290
55.5	390.648	413.704	469.289	513.395	533.686
56.0	383.907	407.380	463.119	507.556	527.834
56.5	377.243	401.186	457.103	501.800	522.188
57.0	370.491	394.829	450.894	495.977	516.322
57.5	363.851	388.621	444.855	490.224	510.684
58.0	357.013	382.302	438.670	484.381	504.789
58.5	350.315	376.046	432.583	478.596	499.008
59.0	343.631	369.794	426.505	472.806	493.285
59.5	336.846	363.500	420.392	466.963	487.380
60.0	330.115	357.210	414.304	461.197	481.556
60.5	323.267	350.867	408.130	455.310	475.790
61.0	316.631	344.606	402.113	449.602	469.985
61.5	309.717	338.192	395.915	443.702	464.022
62.0	302.970	331.941	389.880	437.954	458.276
62.5	296.171	325.463	383.677	432.069	452.240
63.0	289.463	319.192	377.723	426.370	446.489
63.5	282.669	312.897	371.707	420.661	440.670
64.0	275.961	306.584	365.768	414.895	434.937
64.5	269.075	300.308	359.728	409.158	429.089
65.0	262.411	293.893	353.793	403.517	423.251
65.5	255.636	287.637	347.855	397.784	417.514
66.0	248.726	281.252	341.973	392.114	411.666
66.5	241.965	275.014	336.135	386.459	405.929
67.0	235.099	268.605	330.196	380.764	400.101
67.5	228.434	262.382	324.420	375.210	394.330
68.0	221.736	256.174	318.793	369.679	388.770
68.5	214.917	249.840	312.998	364.033	383.052
69.0	208.267	243.681	307.362	358.589	377.435
69.5	201.468	237.376	301.668	352.981	371.658
70.0	194.818	231.279	296.156	347.547	366.114
70.5	188.052	225.061	290.515	341.997	360.434
71.0	181.382	219.001	285.061	336.635	354.903
71.5	174.632	212.784	279.522	331.128	349.262
72.0	168.049	206.820	274.145	325.799	343.814
72.5	161.566	200.963	268.835	320.537	338.436
73.0	154.882	195.048	263.453	315.180	332.872
73.5	148.352	189.268	258.201	309.966	327.587
74.0	141.832	183.497	252.906	304.647	322.113
74.5	135.441	177.856	247.765	299.516	316.795
75.0	128.988	172.128	242.570	294.287	311.432
75.5	122.669	166.659	237.549	289.233	306.262
76.0	116.321	161.091	232.461	284.068	300.909
76.5	110.185	155.756	227.564	279.089	295.839
77.0	104.155	150.572	222.720	274.221	290.789
77.5	98.009	145.273	217.887	269.234	285.614
78.0	92.109	140.256	213.134	264.381	280.680
78.5	86.064	135.187	208.420	259.517	275.673
79.0	80.317	130.338	203.822	254.742	270.719
79.5	74.460	125.461	199.180	249.865	265.783
80.0	68.982	120.800	194.663	245.184	260.974
80.5	63.345	116.182	190.132	240.422	256.087
81.0	58.026	111.680	185.760	235.833	251.407
81.5	52.918	107.355	181.484	231.302	246.746
82.0	47.700	103.050	177.140	226.637	242.167
82.5	42.833	98.874	172.997	222.206	237.587

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CANDELA TABULATION - (Cont.)

83.0	37.994	94.733	168.765	217.661	232.999
83.5	33.506	90.763	164.728	213.255	228.583
84.0	29.052	86.814	160.581	208.854	224.061
84.5	24.943	83.090	156.637	204.548	219.717
85.0	20.946	79.371	152.566	200.214	215.364
85.5	17.337	75.844	148.689	196.058	211.183
86.0	13.964	72.466	144.868	191.963	207.036
86.5	10.869	69.040	140.982	187.850	202.861
87.0	8.121	65.810	137.257	183.867	198.834
87.5	5.632	62.591	133.533	179.854	194.827
88.0	3.608	59.525	129.929	176.035	190.805
88.5	1.951	56.566	126.436	172.171	186.855
89.0	0.875	53.754	122.967	168.423	183.055
89.5	0.163	51.025	119.612	164.660	179.196
90.0	0.000	48.526	116.360	161.086	175.500
90.5	0.000	46.037	113.174	157.563	171.878
91.0	0.000	43.664	109.989	154.046	168.178
91.5	0.000	41.415	106.961	150.587	164.637
92.0	0.000	39.272	103.842	147.146	161.071
92.5	0.000	37.244	100.984	143.855	157.635
93.0	0.000	35.241	98.028	140.535	154.205
93.5	0.000	33.410	95.271	137.330	150.899
94.0	0.000	31.594	92.503	134.120	147.511
94.5	0.000	29.897	89.846	131.058	144.330
95.0	0.000	28.278	87.299	128.046	141.207
95.5	0.000	26.726	84.690	125.014	137.987
96.0	0.000	25.227	82.181	122.102	134.965
96.5	0.000	23.722	79.687	119.143	131.905
97.0	0.000	22.305	77.256	116.292	128.983
97.5	0.000	20.873	74.830	113.472	125.989
98.0	0.000	19.470	72.542	110.757	123.116
98.5	0.000	18.096	70.226	108.027	120.257
99.0	0.000	16.813	68.093	105.443	117.509
99.5	0.000	15.544	65.989	102.853	114.851
100.0	0.000	14.295	63.879	100.263	112.084
100.5	0.000	13.069	61.817	97.793	109.498
101.0	0.000	11.849	59.742	95.304	106.889
101.5	0.000	10.615	57.820	92.926	104.391
102.0	0.000	9.307	55.802	90.499	101.863
102.5	0.000	8.077	53.874	88.227	99.508
103.0	0.000	6.794	51.895	85.925	97.020
103.5	0.000	5.651	50.011	83.704	94.665
104.0	0.000	4.502	48.075	81.499	92.407
104.5	0.000	3.417	46.191	79.303	90.139
105.0	0.000	2.470	44.346	77.155	87.895
105.5	0.000	1.749	42.505	74.969	85.689
106.0	0.000	1.235	40.704	72.864	83.488
106.5	0.000	0.788	38.945	70.640	81.307
107.0	0.000	0.472	37.235	68.530	79.096
107.5	0.000	0.346	35.509	66.363	76.891
108.0	0.000	0.182	33.852	64.239	74.753
108.5	0.000	0.197	32.214	62.139	72.600
109.0	0.000	0.187	30.522	60.030	70.376
109.5	0.000	0.000	28.849	57.993	68.256
110.0	0.000	0.000	27.067	55.907	66.046
110.5	0.000	0.000	25.366	53.971	64.004

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	23.573	52.005	61.880
111.5	0.000	0.000	21.810	50.083	59.881
112.0	0.000	0.000	20.003	48.176	57.844
112.5	0.000	0.000	18.308	46.336	55.868
113.0	0.000	0.000	16.616	44.529	53.923
113.5	0.000	0.000	14.944	42.606	52.005
114.0	0.000	0.000	13.286	40.824	50.079
114.5	0.000	0.000	11.633	38.945	48.247
115.0	0.000	0.000	10.066	37.052	46.383
115.5	0.000	0.000	8.490	35.115	44.485
116.0	0.000	0.000	6.996	33.213	42.606
116.5	0.000	0.000	5.651	31.262	40.675
117.0	0.000	0.000	4.575	29.321	38.753
117.5	0.000	0.000	3.786	27.393	36.821
118.0	0.000	0.000	2.868	25.477	34.775
118.5	0.000	0.000	2.206	23.602	32.857
119.0	0.000	0.000	1.340	21.700	30.853
119.5	0.000	0.000	0.817	19.855	28.874
120.0	0.000	0.000	0.509	18.048	26.952
120.5	0.000	0.000	0.466	16.217	24.972
121.0	0.000	0.000	0.451	14.459	23.089
121.5	0.000	0.000	0.221	12.686	21.196
122.0	0.000	0.000	0.000	11.028	19.317
122.5	0.000	0.000	0.000	9.356	17.481
123.0	0.000	0.000	0.000	7.827	15.674
123.5	0.000	0.000	0.000	6.468	13.872
124.0	0.000	0.000	0.000	5.478	12.056
124.5	0.000	0.000	0.000	4.637	10.336
125.0	0.000	0.000	0.000	3.565	8.779
125.5	0.000	0.000	0.000	2.509	7.255
126.0	0.000	0.000	0.000	1.787	6.174
126.5	0.000	0.000	0.000	1.182	5.285
127.0	0.000	0.000	0.000	0.812	4.392
127.5	0.000	0.000	0.000	0.726	3.023
128.0	0.000	0.000	0.000	0.327	2.224
128.5	0.000	0.000	0.000	0.370	1.552
129.0	0.000	0.000	0.000	0.360	1.018
129.5	0.000	0.000	0.000	0.380	0.841
130.0	0.000	0.000	0.000	0.000	0.812
130.5	0.000	0.000	0.000	0.000	0.783
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

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PHOTOMETRIC FILENAME : EVT 4 LW UV FA 840(S).IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	524.50	N.A.	11.10
0-30	1112.57	N.A.	23.60
0-40	1821.72	N.A.	38.70
0-60	3248.6	N.A.	69.00
0-80	4213.07	N.A.	89.50
0-90	4460.47	N.A.	94.70
10-90	4324.62	N.A.	91.80
20-40	1297.21	N.A.	27.50
20-50	2037.83	N.A.	43.30
40-70	1989.81	N.A.	42.30
60-80	964.47	N.A.	20.50
70-80	401.55	N.A.	8.50
80-90	247.40	N.A.	5.30
90-110	215.03	N.A.	4.60
90-120	244.15	N.A.	5.20
90-130	248.23	N.A.	5.30
90-150	248.24	N.A.	5.30
90-180	248.24	N.A.	5.30
110-180	33.21	N.A.	0.70
0-180	4708.71	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	135.85
10-20	388.65
20-30	588.06
30-40	709.15
40-50	740.62
50-60	686.27
60-70	562.92
70-80	401.55
80-90	247.40
90-100	141.23
100-110	73.80
110-120	29.12
120-130	4.08
130-140	0.01
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	149	149	149	149	145	145	145	145	137	137	137	130	130	130	123	123	123	120
1	134	127	121	115	130	123	118	113	117	112	108	111	107	103	105	102	99	96
2	121	110	100	92	117	107	98	91	101	94	88	96	90	84	91	86	82	78
3	110	96	85	76	106	93	83	75	88	80	73	84	77	71	80	74	68	65
4	100	85	73	64	97	82	72	63	78	69	62	75	66	60	71	64	58	55
5	92	75	64	55	89	74	62	54	70	60	53	67	58	52	64	56	51	48
6	85	68	56	48	82	66	55	47	63	53	46	60	52	45	58	50	44	42
7	79	61	50	42	76	60	49	42	57	48	41	55	46	40	53	45	39	37
8	73	56	45	37	71	55	44	37	52	43	36	50	42	36	48	41	35	33
9	69	51	41	34	66	50	40	33	48	39	33	46	38	32	45	37	32	29
10	64	47	37	30	62	46	37	30	45	36	30	43	35	29	41	34	29	26

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POLAR GRAPH

Maximum Candela = 1443.827 Located At Horizontal Angle = 45, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)