



8165 E Kaiser Blvd. Anaheim, CA 92808
 p. 714.282.2270
 f. 714.676.5558

Report No: L071407704

Date: 8/6/2014



NVLAP LAB CODE 200927-0

Report No: L071407704

Report Prepared For: Cast Lighting
 1120-A Goffle Rd., Hawthorne, NJ 07506

Model Number: CPWP1

Test: Electrical and Photometric tests

Standards Used: Appropriate part or all test guidelines were used for test performed:
IESNA LM79: 2008 Approved Methods for Electrical and Photometric Measurements of Solid-State Lighting Products
ANSI NEMA ANSLG C78.377: 2008 Specification of the Chromaticity of Solid State Lighting Products
ANSI C82.77:2002: Harmonic Emission Limits-Related Quality Requirements for Lighting Equipment

Description of Sample: Client submitted the sample. Catalog number is CPWP1 . Received in working and undamaged condition. No modifications were necessary.

Testing Condition: Fixture is tested with no special conditions.

Sample Arrival Date: 7/30/14

Date of Tests: 8/5/14 - 8/5/14

Seasoning of Sample: No seasoning was performed in accordance with IESNA LM-79.

Equipment List

Equipment Used	Model No	Stock No	Calibration Due Date
Chroma Programmable AC Source	61604	PS-AC02	--
Yokogawa Digital Power Meter	WT210	MT-EL06-S1	01/04/15
Xitron Power Analysis System	2503AH	MT-EL01	01/09/15
BK Precision DC Power Supply	1747	PSDC-04	01/08/15
Fluke Digital Thermometer	52k/J	MT-TP02-GC	01/04/15
LLI Type C Goniophotometer System	RMG-C-MKII	CD-LL04-GC	--
LLI 2M Sphere	2MR97	CD-SN03-S2	--
LLI Spectroradiometer	SPR-3000	MT-SC01-S2	Before Use

*All Results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

Test Summary

Manufacturer:	Cast Lighting
Model Number:	CPWP1
Driver Model Number:	CUSTOM DRIVER
Total Lumens:	277.10
Input Voltage (VAC/60Hz):	14.00
Input Current (Amp):	0.42
Input Power (W):	5.36
Input Power Factor:	0.92
Total Harmonic Distortion @ 14V(%):	40%
Total Harmonic Distortion @ 277V(%):	N/A
Efficacy:	52
Color Rendering Index (CRI):	80
Correlated Color Temperature (K):	4652
Chromaticity Coordinate x:	0.3567
Chromaticity Coordinate y:	0.3665
Ambient Temperature (°F):	77.0
Stabilization Time (Hours):	0:45
Total Operating Time (Hours):	1:35
Off State Power(W):	0.00

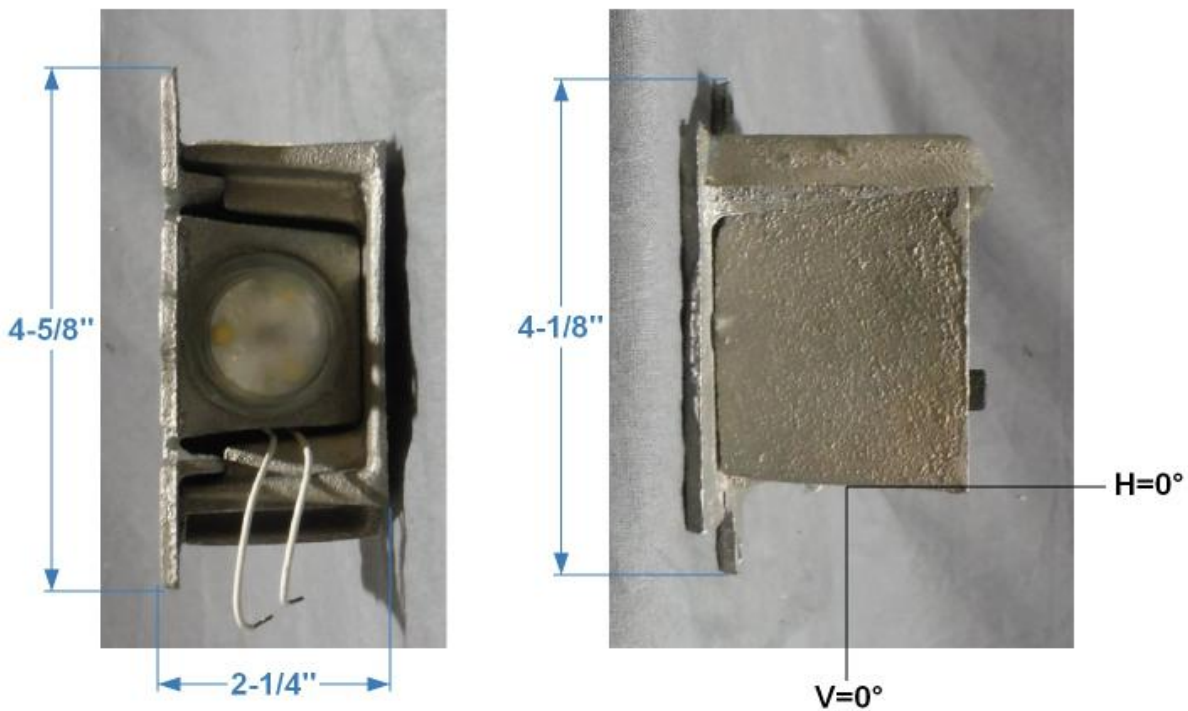
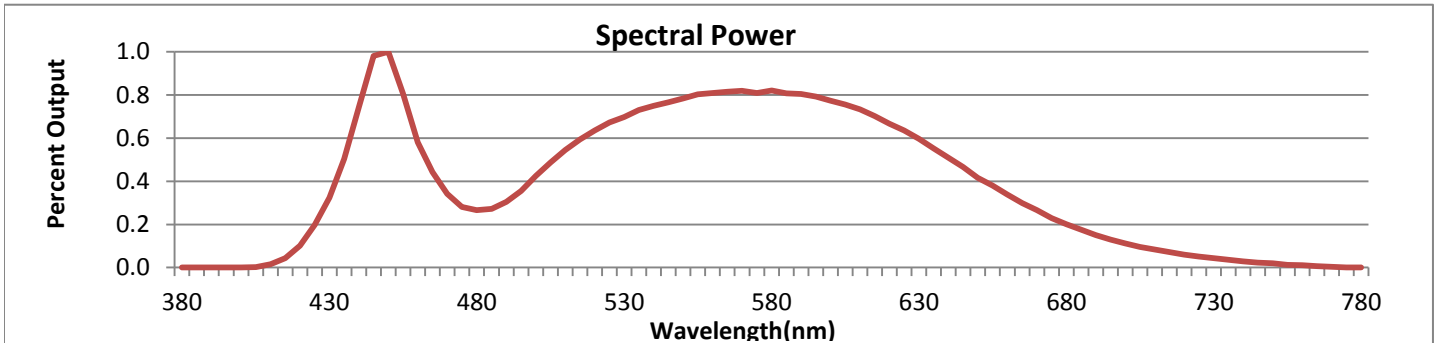


FIG. 1 LUMINAIRE

*All Results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.



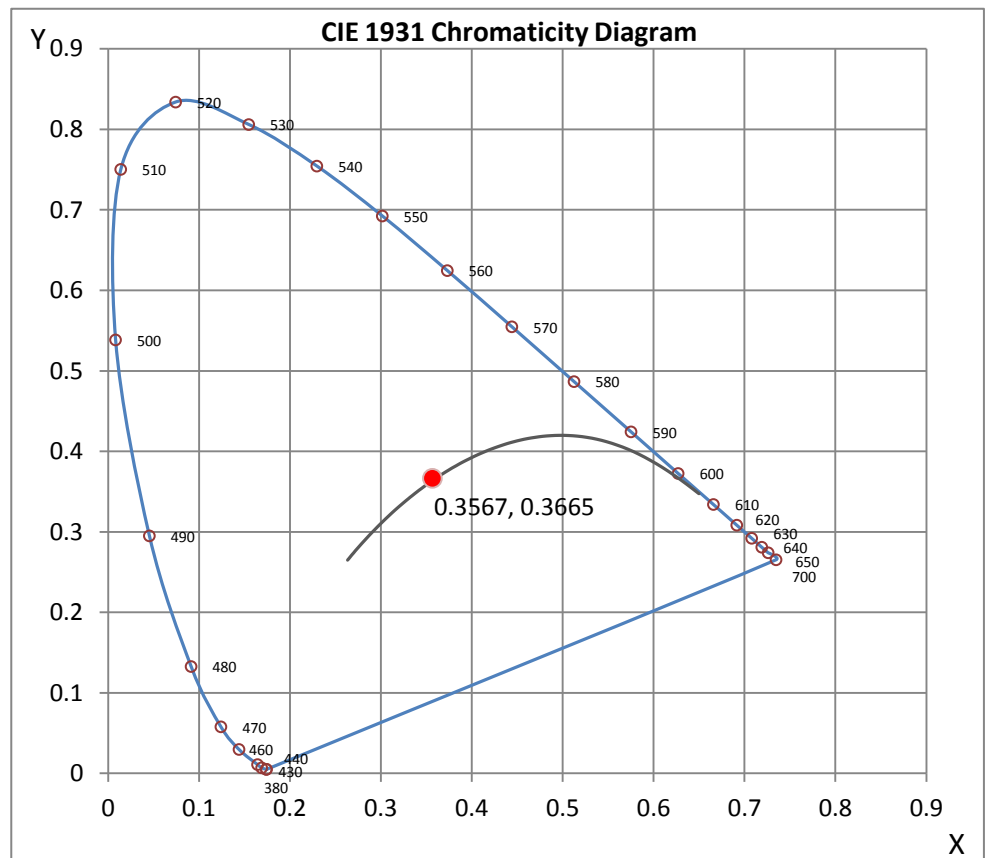
Wavelength	W/m ² nm	440	0.0120	510	0.0088	580	0.0133	650	0.0067	720	0.0010
380	0.0000	450	0.0162	520	0.0103	590	0.0130	660	0.0055	730	0.0007
390	0.0000	460	0.0094	530	0.0113	600	0.0125	670	0.0043	740	0.0005
400	0.0000	470	0.0055	540	0.0121	610	0.0119	680	0.0033	750	0.0003
410	0.0002	480	0.0043	550	0.0127	620	0.0108	690	0.0024	760	0.0002
420	0.0016	490	0.0049	560	0.0131	630	0.0097	700	0.0018	770	0.0001
430	0.0052	500	0.0069	570	0.0133	640	0.0082	710	0.0014	780	0.0000

CRI & CCT

x	0.3567
y	0.3665
u'	0.2134
v'	0.4934
CRI	80.20
CCT	4652
Duv	0.00291

R Values

R1	78.24
R2	84.14
R3	88.32
R4	80.57
R5	78.08
R6	77.66
R7	87.24
R8	67.72
R9	7.37
R10	61.88
R11	78.13
R12	56.24
R13	79.70
R14	93.02



*All Results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

Test Methods

Photometric Measurements - Goniophotometer

A Custom Light Laboratory Type C Rotating Mirror Goniophotometer was used to measure candelas(intensity) at each angle of distribution as defined by IESNA for the appropriate fixture type.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Spectral Measurements - Integrating Sphere

A Sensing Spectroradiometer SPR-3000, in conjunction with Light Laboratory 2 meter integrating sphere was used to measure chromaticity coordinates, correlated color temperature(CCT) and the color rendering index(CRI) for each sample.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Disclaimers:

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of Federal Government.

Report Prepared by : Wilson Khounlavong

Test Report Released by:



Jeff Ahn
Engineering Manager

Test Report Reviewed by:



Steve Kang
Quality Assurance

**Attached are photometric data reports. Total number of pages: 13*



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Photometric Test Report

IES ROAD REPORT
PHOTOMETRIC FILENAME : L071407704.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L071407704
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 8/5/2014
 [MANUFAC] CAST LIGHTING
 [LUMCAT] CPWP1
 [LUMINAIRE] 2-1/4"L X 4-5/8"W X 4-1/8"H. LED LUMINAIRE
 [MORE] LED WITH OPTICS.
 [BALLASTCAT] CUSTOM DRIVER
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 14VAC, 5.36W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	277
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	5.36
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	95.989
Maximum Candela Angle	15H 20V
Maximum Candela (<90 Degrees Vertical)	95.989
Maximum Candela Angle (<90 Degrees Vertical)	15H 20V
Maximum Candela At 90 Degrees Vertical	4.331 (1.6% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	19.713 (7.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : L071407704.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	39.0	N.A.	14.1
FM - Front-Medium (30-60)	89.4	N.A.	32.3
FH - Front-High (60-80)	35.0	N.A.	12.6
FVH - Front-Very High (80-90)	5.0	N.A.	1.8
BL - Back-Low (0-30)	33.3	N.A.	12.0
BM - Back-Medium (30-60)	56.0	N.A.	20.2
BH - Back-High (60-80)	16.0	N.A.	5.8
BVH - Back-Very High (80-90)	1.6	N.A.	0.6
UL - Uplight-Low (90-100)	1.2	N.A.	0.4
UH - Uplight-High (100-180)	0.6	N.A.	0.2
Total	277.1	N.A.	100.0
BUG Rating	B0-U1-G0		

IES ROAD REPORT
PHOTOMETRIC FILENAME : L071407704.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	92.084	92.084	92.084	92.084	92.084	92.084	92.084	92.084	92.084	92.084
5	93.721	93.841	94.079	94.182	94.080	94.079	94.045	93.858	93.551	93.159
10	94.881	95.000	95.120	95.205	95.034	94.932	94.881	94.660	94.318	93.824
15	95.495	95.716	95.785	95.768	95.683	95.563	95.307	95.068	94.642	94.079
20	95.836	95.835	95.938	95.989	95.870	95.512	95.393	94.983	94.284	93.755
25	95.256	95.529	95.444	95.393	95.307	95.086	94.881	94.165	93.568	92.767
30	94.199	94.420	94.284	94.301	94.165	93.773	93.244	92.545	91.777	90.891
35	92.425	92.596	92.528	92.409	91.914	91.436	90.737	89.868	88.964	87.889
40	90.208	90.140	89.970	89.612	88.998	88.230	87.309	86.338	85.332	84.155
45	86.968	86.610	86.252	85.724	84.956	83.950	83.063	81.955	80.949	79.909
50	82.501	82.433	81.972	81.068	80.216	79.414	78.613	77.845	77.146	76.550
55	76.464	76.345	76.140	75.748	75.100	74.656	74.179	73.889	73.258	72.218
60	63.640	63.948	64.664	65.824	66.898	67.563	67.716	66.386	64.834	62.925
65	34.753	34.907	35.538	36.561	38.778	41.881	45.582	49.078	50.493	50.510
70	25.749	25.664	25.630	25.562	25.545	25.801	26.381	27.642	29.672	32.877
75	20.463	20.446	20.361	20.259	20.139	20.156	20.242	20.412	20.787	21.930
80	14.665	14.665	14.631	14.597	14.580	14.665	14.836	15.041	15.262	15.620
85	8.970	8.936	8.867	8.816	8.731	8.680	8.629	8.646	8.731	8.833
90	4.331	4.297	4.195	4.059	3.905	3.718	3.547	3.360	3.172	3.036
95	1.671	1.671	1.654	1.603	1.535	1.484	1.433	1.399	1.348	1.313
100	1.125	1.125	1.108	1.091	1.057	1.006	0.989	0.955	0.938	0.955
105	0.853	0.870	0.853	0.853	0.836	0.819	0.802	0.785	0.785	0.802
110	0.784	0.767	0.750	0.750	0.751	0.734	0.717	0.717	0.717	0.734
115	0.716	0.699	0.699	0.716	0.699	0.717	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	Horizontal Angles									
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	92.084	92.084	92.084	92.084	92.084	92.084	92.084	92.084	92.084	92.084
5	93.039	92.800	92.511	92.374	92.357	92.289	92.136	92.135	92.101	91.931
10	93.466	93.141	92.835	92.510	92.255	92.102	91.914	91.760	91.505	91.215
15	93.602	93.193	92.766	92.306	91.948	91.607	91.317	90.857	90.498	90.106
20	93.210	92.664	92.084	91.436	90.959	90.379	90.021	89.731	89.049	88.537
25	92.033	91.402	90.601	89.850	89.271	88.725	88.264	87.753	87.088	86.423
30	90.072	89.168	88.265	87.480	86.781	86.065	85.366	84.803	84.121	83.217
35	86.901	85.689	84.803	83.882	83.063	82.313	81.614	81.000	80.284	79.465
40	82.995	81.870	80.949	80.028	79.107	78.374	77.556	76.805	76.259	75.509
45	79.005	78.306	77.470	76.805	76.277	75.612	74.878	74.333	73.821	73.395
50	76.021	75.288	74.434	73.514	72.627	71.451	70.479	69.660	69.063	68.995
55	70.939	69.336	66.113	65.653	63.811	62.020	60.725	59.667	59.650	59.957

IES ROAD REPORT
PHOTOMETRIC FILENAME : L071407704.IES

CANDELA TABULATION - (Cont.)

60	60.673	58.405	56.428	54.500	52.846	51.738	51.687	51.243	50.152	50.237
65	49.214	47.833	46.656	45.701	45.855	45.497	43.842	43.229	43.399	41.472
70	37.363	38.965	40.074	39.869	38.812	38.147	38.352	36.953	33.321	30.985
75	23.652	24.897	27.830	30.064	30.729	31.070	27.881	26.278	25.034	24.045
80	16.336	16.950	17.650	19.713	17.905	17.343	16.695	15.978	15.330	14.887
85	9.021	9.379	9.413	9.260	8.868	8.322	8.151	8.458	8.424	8.134
90	3.035	3.223	3.326	3.394	3.360	3.274	3.138	3.172	3.087	3.070
95	1.279	1.228	1.160	1.109	1.041	0.989	0.921	0.887	0.819	0.870
100	0.989	0.989	0.955	0.921	0.870	0.802	0.751	0.683	0.614	0.597
105	0.836	0.853	0.836	0.819	0.785	0.785	0.000	0.000	0.000	0.000
110	0.768	0.785	0.802	0.768	0.000	0.000	0.000	0.000	0.000	0.000
115	0.751	0.768	0.768	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	92.084	92.084	92.084	92.084	92.084	92.084	92.084	92.084	92.084	92.084
5	91.743	91.624	91.572	91.351	91.061	90.669	90.532	90.311	90.175	90.191
10	90.874	90.635	90.328	90.038	89.646	89.271	88.742	88.367	88.145	87.975
15	89.731	89.356	88.827	88.265	87.685	86.986	86.321	85.724	85.365	85.007
20	88.230	87.531	86.781	85.877	85.058	84.172	83.268	82.569	81.768	81.085
25	85.673	84.922	84.001	82.893	81.972	80.796	79.551	78.357	76.498	71.911
30	82.671	81.699	80.540	79.448	78.391	77.334	75.919	73.957	67.750	60.605
35	78.511	77.538	76.566	75.612	74.793	74.179	73.429	69.148	61.628	54.108
40	74.810	73.958	73.258	73.156	73.668	74.059	72.252	64.817	55.831	46.844
45	73.105	73.173	73.974	74.657	74.980	72.815	65.653	56.410	47.987	40.943
50	69.746	70.786	71.604	70.445	64.800	61.372	53.443	45.411	39.954	34.685
55	60.418	60.281	58.064	53.869	49.726	45.121	40.978	37.618	35.128	31.087
60	49.197	45.343	41.558	38.488	35.265	33.406	29.638	26.995	24.573	20.924
65	37.021	34.600	32.656	29.740	27.131	25.272	22.953	20.736	18.042	15.501
70	29.365	27.949	26.466	23.942	21.623	20.293	15.467	12.773	10.931	9.567
75	23.737	22.186	19.542	17.445	13.404	11.204	9.004	7.299	6.208	5.542
80	13.898	12.005	10.880	9.055	6.122	5.048	4.314	3.513	2.899	2.320
85	7.214	6.276	5.116	2.916	1.637	1.671	1.484	1.143	0.870	0.734
90	2.984	2.524	1.876	1.024	0.734	0.734	0.699	0.665	0.648	0.631
95	0.904	0.887	0.734	0.614	0.631	0.648	0.665	0.000	0.000	0.000
100	0.614	0.614	0.631	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : L071407704.IES

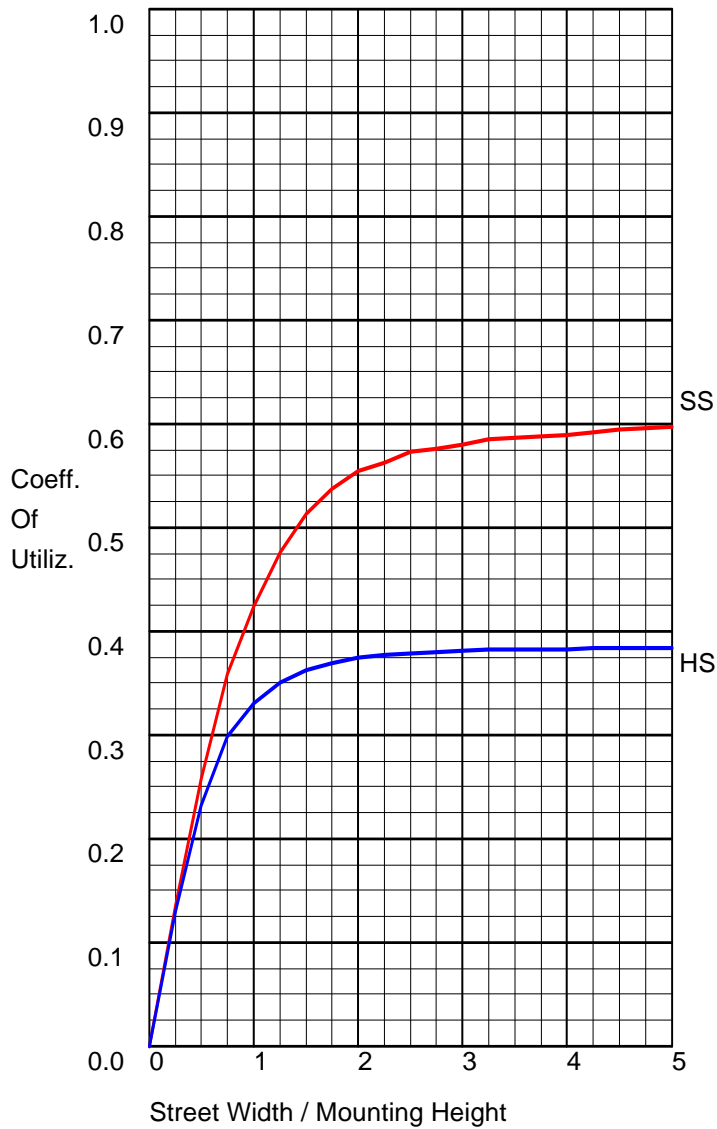
CANDELA TABULATION - (Cont.)

135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	92.084	92.084	92.084	92.084	92.084	92.084	92.084
5	90.106	90.106	90.072	90.021	89.953	90.004	90.038
10	87.907	87.872	87.702	87.565	87.463	87.429	87.412
15	84.871	84.581	84.360	84.189	83.916	83.797	83.762
20	80.421	79.721	78.868	77.624	76.021	74.315	73.497
25	66.062	59.224	54.398	52.318	51.141	50.459	50.305
30	53.784	48.532	46.588	45.582	45.053	44.661	44.507
35	46.775	43.195	41.626	40.483	39.784	39.392	39.289
40	41.012	37.908	35.401	33.747	32.878	32.690	32.877
45	36.050	30.848	26.790	24.454	23.771	24.454	25.067
50	28.649	24.249	21.708	20.088	19.031	18.093	18.246
55	25.699	21.981	19.492	16.882	14.768	13.046	12.892
60	17.036	14.376	12.773	11.050	9.533	8.510	8.117
65	11.579	9.191	7.538	6.327	5.372	4.639	4.297
70	7.896	5.986	4.553	3.854	3.325	2.899	2.694
75	4.707	3.616	2.882	2.473	2.166	1.944	1.876
80	1.825	1.603	1.450	1.279	1.109	1.006	0.955
85	0.699	0.699	0.699	0.682	0.648	0.631	0.648
90	0.631	0.614	0.614	0.614	0.597	0.614	0.614
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

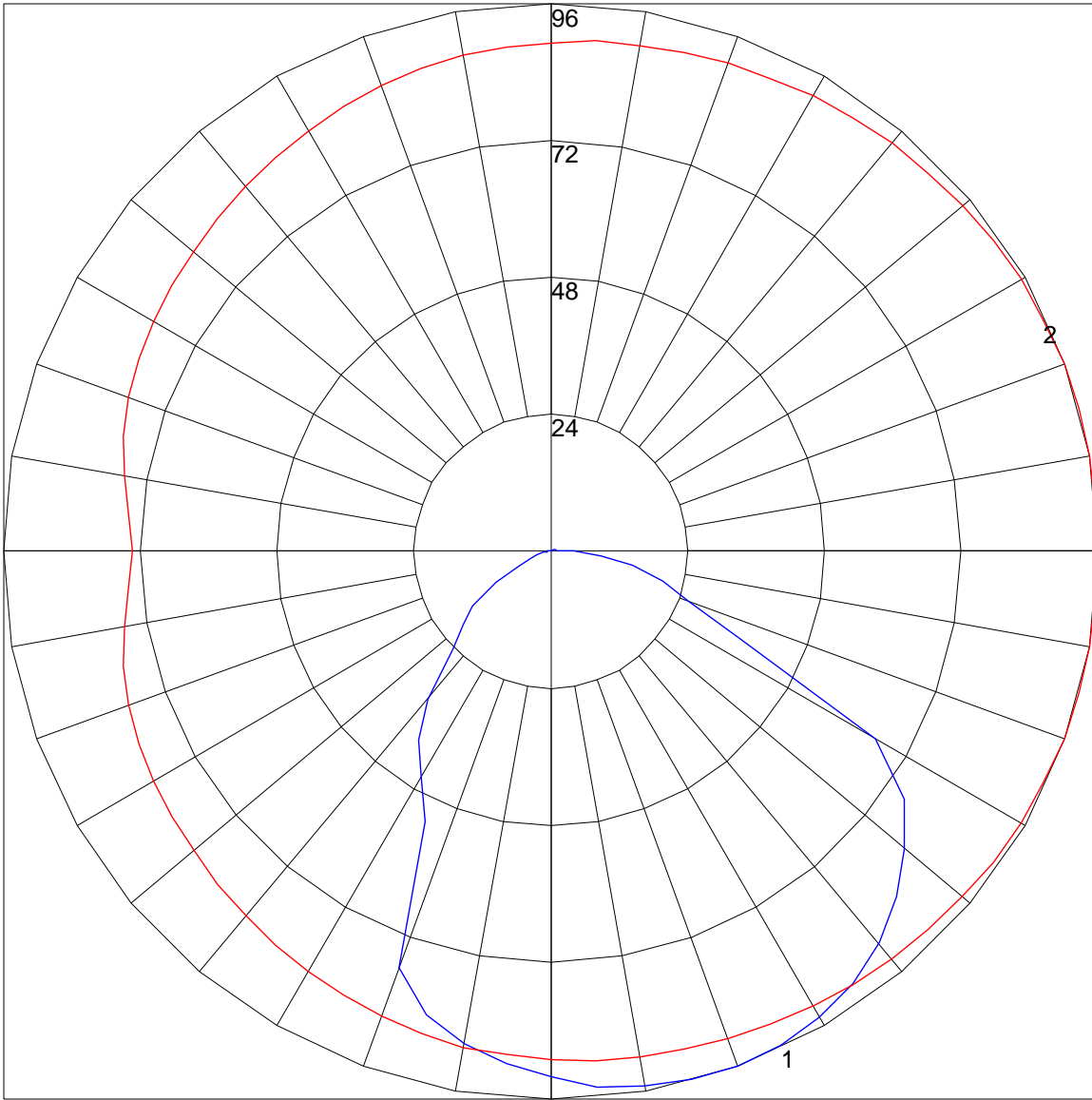
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

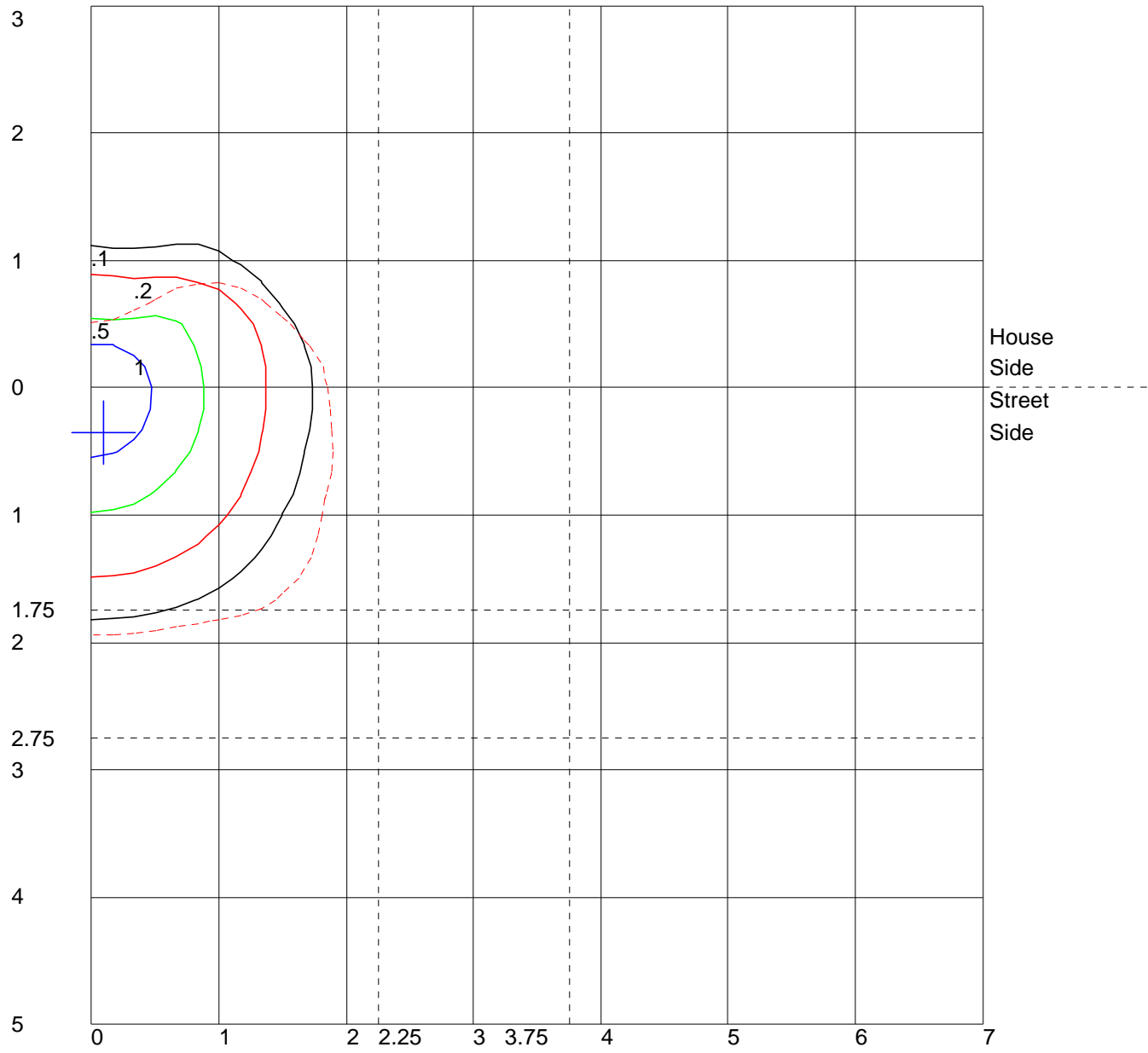
	Lumens	Percent Of Luminaire
Downward Street Side	168.4	60.8
Downward House Side	106.9	38.6
Downward Total	275.3	99.3
Upward Street Side	1.5	0.5
Upward House Side	0.3	0.1
Upward Total	1.8	0.6
Total Flux	277.1	100.0

POLAR GRAPH



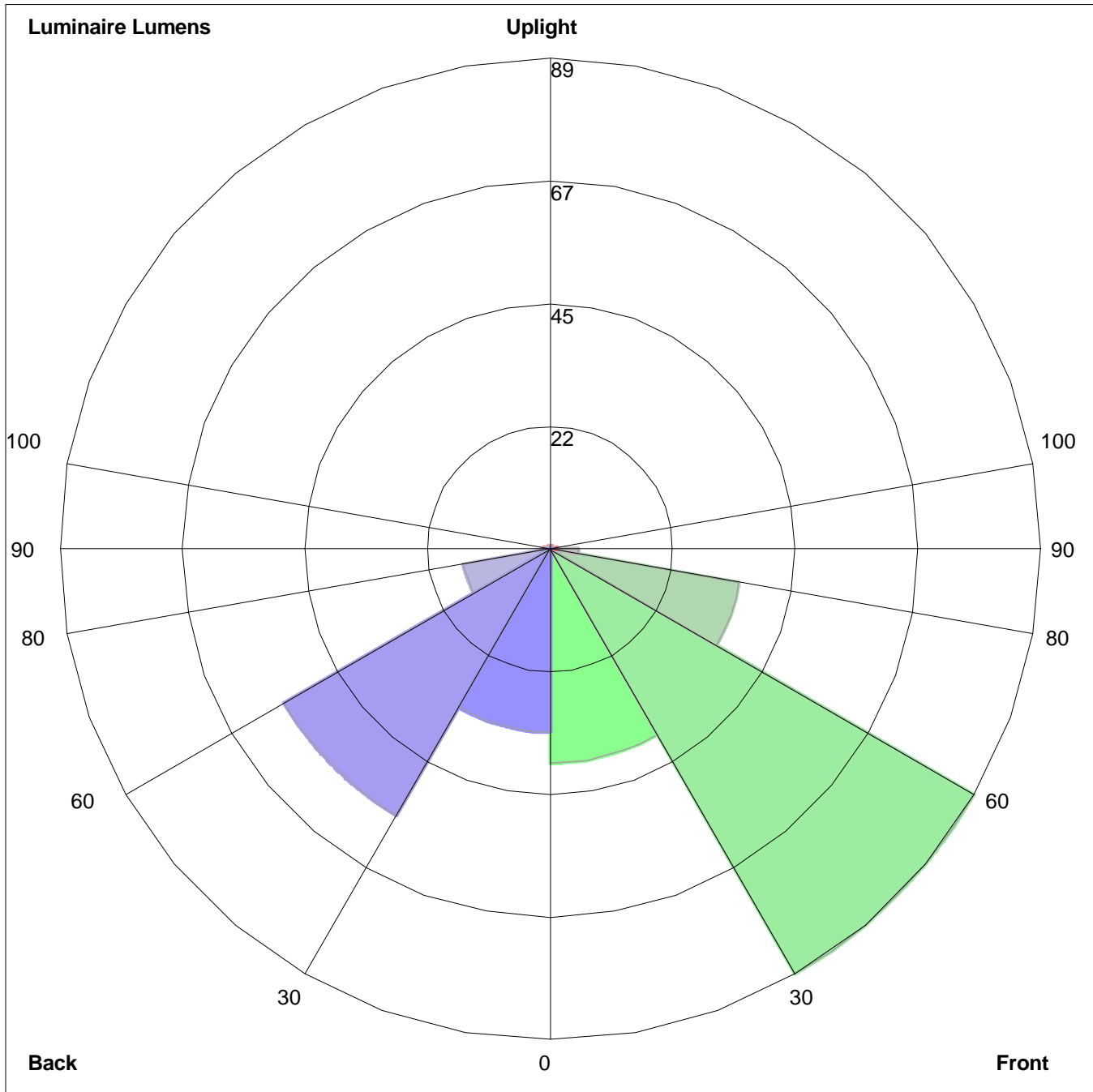
Maximum Candela = 95.989 Located At Horizontal Angle = 15, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 8 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
 Front: Low=39.0, Medium=89.4, High=35.0, Very High=5.0
 Back: Low=33.3, Medium=56.0, High=16.0, Very High=1.6
 Uplight: Low=1.2, High=0.6

BUG Rating : B0-U1-G0