



OUTDOOR LIGHTING SPECIALISTS SINCE 1972

IES ROAD REPORT

PHOTOMETRIC FILENAME : LED50-750-T5M-D6 NO FIXTURE LM79 AVG.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] OS Reference Number 20104012

[TESTLAB] AML

[TESTDATE] March 18, 2010

[ISSUEDATE] March 18, 2010

[MANUFAC] OSRAM SYLVANIA

[OTHER] Approximate candlepower distribution and lumens of representative lamps:

[MORE] values for individual lamps will vary.

[LAMPCAT] 78628

[LAMP] SYLVANIA LED50RETROFIT/750/T5M/D6 No pole No fixture. Three measurements in LM79 report are averaged

[LAMPPOSITION]

[LUMENS]

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Medium
Cutoff Classification (deprecated)	Cutoff
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3730
Total Luminaire Efficiency	N.A.
Downward Total Efficiency	N.A.
Upward Waste Light Ratio	0.01
Maximum Candela	1326
Maximum Candela Angle	0H 71V
Maximum Candela At 90 Degrees Vertical	14.333 (0.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	79.667 (2.1% Luminaire Lumens)
Total Luminaire Watts	54.4
Ballast Factor	1.00



IES ROAD REPORT

PHOTOMETRIC FILENAME : LED50-750-T5M-D6 NO FIXTURE LM79 AVG.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	135.2	N.A.	3.6
FM - Front-Medium (30-60)	743.8	N.A.	19.9
FH - Front-High (60-80)	943.7	N.A.	25.3
FVH - Front-Very High (80-90)	19.3	N.A.	0.5
BL - Back-Low (0-30)	135.2	N.A.	3.6
BM - Back-Medium (30-60)	743.8	N.A.	19.9
BH - Back-High (60-80)	943.7	N.A.	25.3
BVH - Back-Very High (80-90)	19.3	N.A.	0.5
UL - Uplight-Low (90-100)	12.2	N.A.	0.3
UH - Uplight-High (100-180)	33.9	N.A.	0.9
Total	3730.1	N.A.	100.0
BUG Rating	B2-U2-G1		

IES ROAD REPORT
PHOTOMETRIC FILENAME : LED50-750-T5M-D6 NO FIXTURE LM79 AVG.IES

CANDELA TABULATION

Vert. Horizontal Angles
Angles

	<u>0</u>
0	257.000
1	257.000
2	257.333
3	257.667
4	258.000
5	259.667
6	260.667
7	263.333
8	265.333
9	268.333
10	271.667
11	275.667
12	280.333
13	284.000
14	288.333
15	293.333
16	297.000
17	301.000
18	306.000
19	309.667
20	314.667
21	319.333
22	325.000
23	330.333
24	337.333
25	344.667
26	352.000
27	360.333
28	369.000
29	379.333
30	388.333
31	399.333
32	411.333
33	425.000
34	439.667
35	455.333
36	473.333
37	489.333
38	506.667
39	523.333
40	538.667
41	553.000
42	566.333
43	579.333
44	594.000
45	608.667
46	624.667
47	642.000
48	659.667
49	679.000
50	696.333
51	716.000
52	736.667

IES ROAD REPORT
PHOTOMETRIC FILENAME : LED50-750-T5M-D6 NO FIXTURE LM79 AVG.IES

CANDELA TABULATION - (Cont.)

53	756.000
54	777.667
55	798.000
56	821.000
57	843.667
58	868.000
59	893.333
60	920.000
61	949.000
62	981.333
63	1016.667
64	1054.333
65	1095.000
66	1139.667
67	1187.333
68	1232.000
69	1278.667
70	1313.667
71	1326.000
72	1291.333
73	1190.000
74	1015.667
75	787.333
76	546.000
77	340.667
78	196.333
79	116.333
80	79.667
81	63.000
82	51.667
83	43.667
84	37.000
85	31.333
86	26.000
87	21.667
88	18.333
89	15.333
90	14.333
91	12.667
92	11.667
93	11.333
94	10.667
95	10.333
96	10.000
97	11.000
98	10.667
99	10.667
100	11.333
101	11.667
102	12.667
103	12.667
104	13.000
105	13.333
106	13.667
107	12.667
108	13.667

IES ROAD REPORT
PHOTOMETRIC FILENAME : LED50-750-T5M-D6 NO FIXTURE LM79 AVG.IES

CANDELA TABULATION - (Cont.)

109	13.667
110	13.333
111	13.000
112	12.667
113	11.333
114	11.667
115	10.667
116	10.000
117	8.667
118	8.333
119	7.667
120	8.000
121	7.000
122	6.333
123	5.667
124	5.333
125	5.000
126	5.000
127	4.667
128	4.000
129	4.333
130	4.000
131	3.333
132	3.667
133	3.667
134	3.333
135	3.000
136	3.000
137	2.333
138	2.333
139	2.333
140	2.667
141	2.333
142	2.000
143	1.667
144	2.000
145	2.000
146	1.000
147	2.000
148	1.000
149	2.000
150	2.000
151	1.667
152	1.333
153	1.667
154	1.667
155	1.333
156	1.000
157	2.000
158	1.667
159	1.333
160	2.000
161	1.333
162	2.000
163	1.667
164	2.000

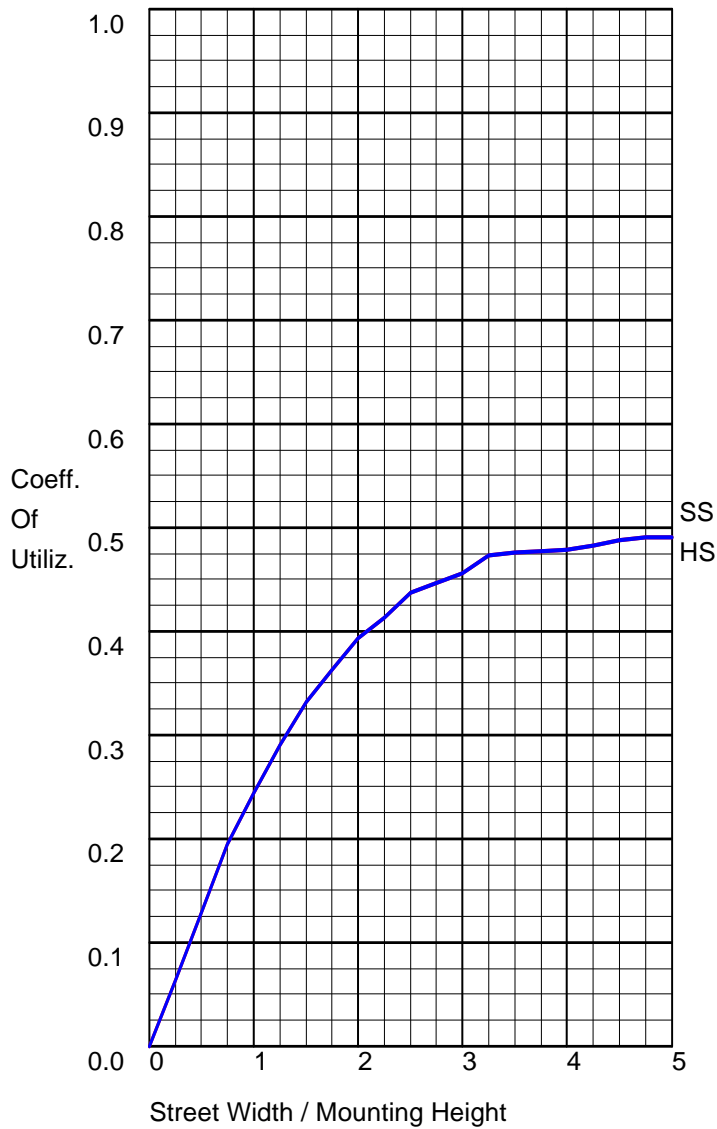
IES ROAD REPORT

PHOTOMETRIC FILENAME : LED50-750-T5M-D6 NO FIXTURE LM79 AVG.IES

CANDELA TABULATION - (Cont.)

165	2.000
166	2.000
167	2.000
168	2.000
169	2.333
170	2.333
171	2.000
172	2.333
173	2.667
174	2.333
175	2.333
176	2.667
177	2.667
178	3.000
179	2.000
180	2.333

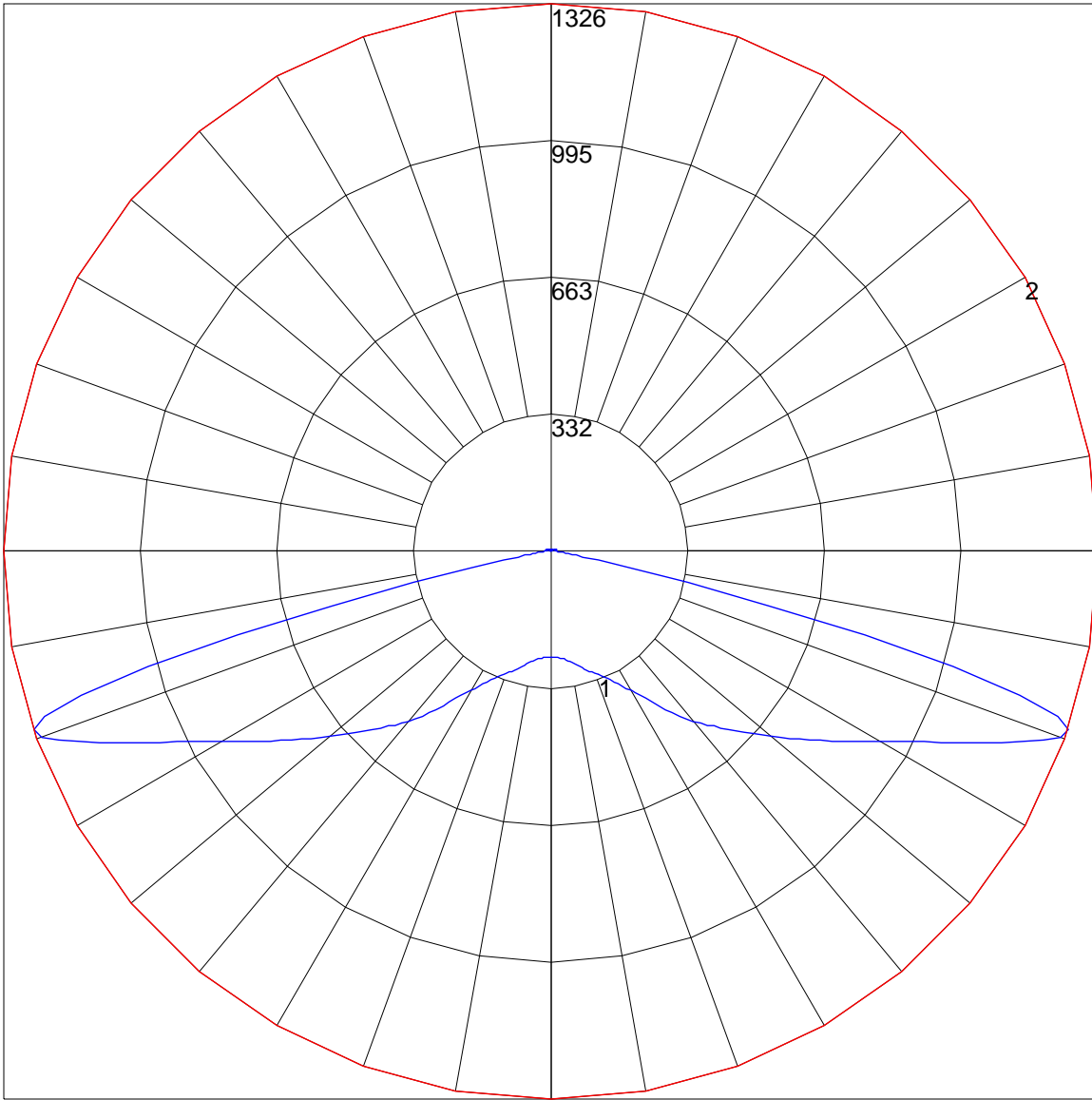
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

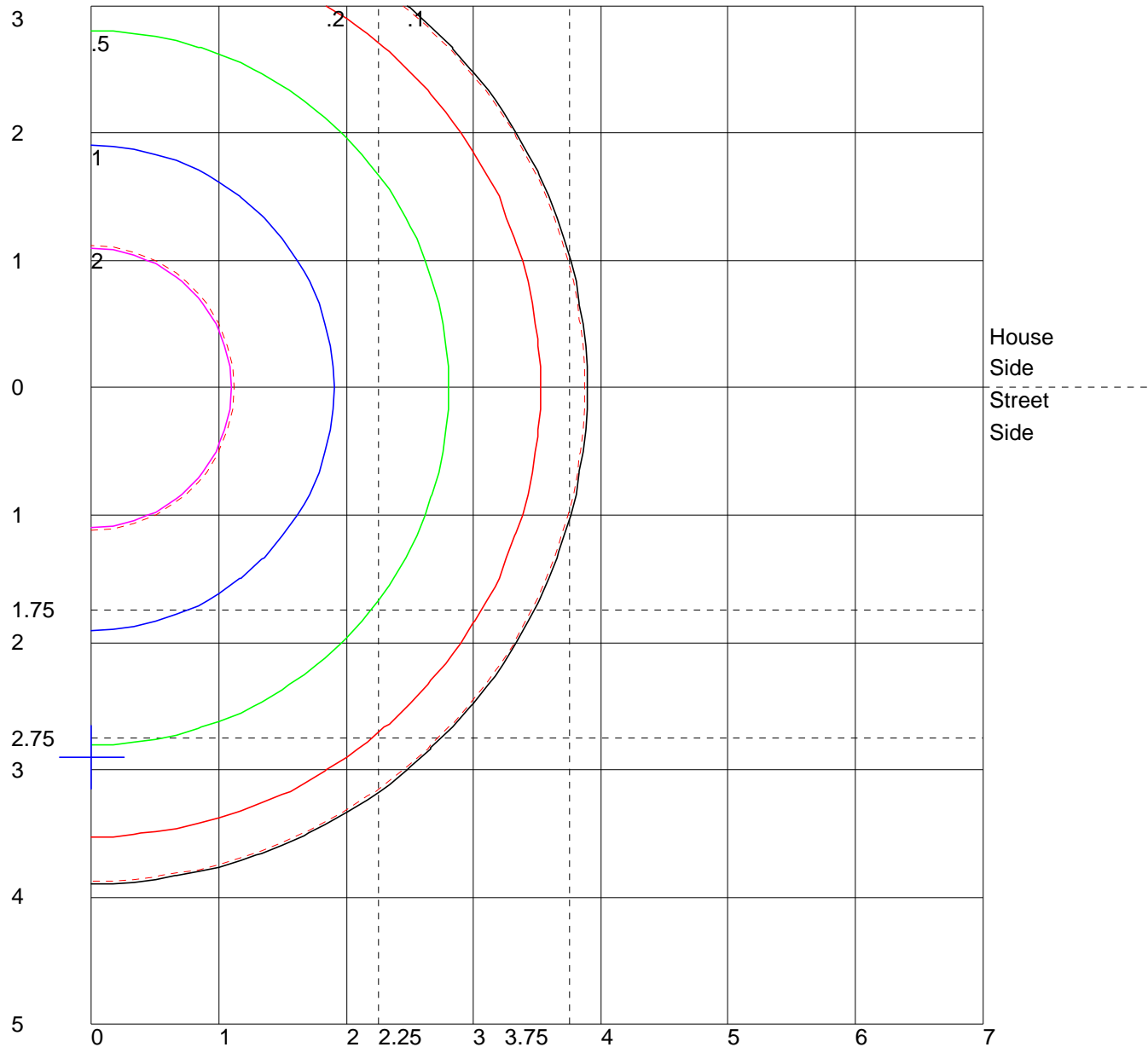
	Lumens	Percent Of Luminaire
Downward Street Side	1842.0	49.4
Downward House Side	1842.0	49.4
Downward Total	3684.0	98.8
Upward Street Side	23.1	0.6
Upward House Side	23.1	0.6
Upward Total	46.2	1.2
Total Flux	3730.2	100.0

POLAR GRAPH



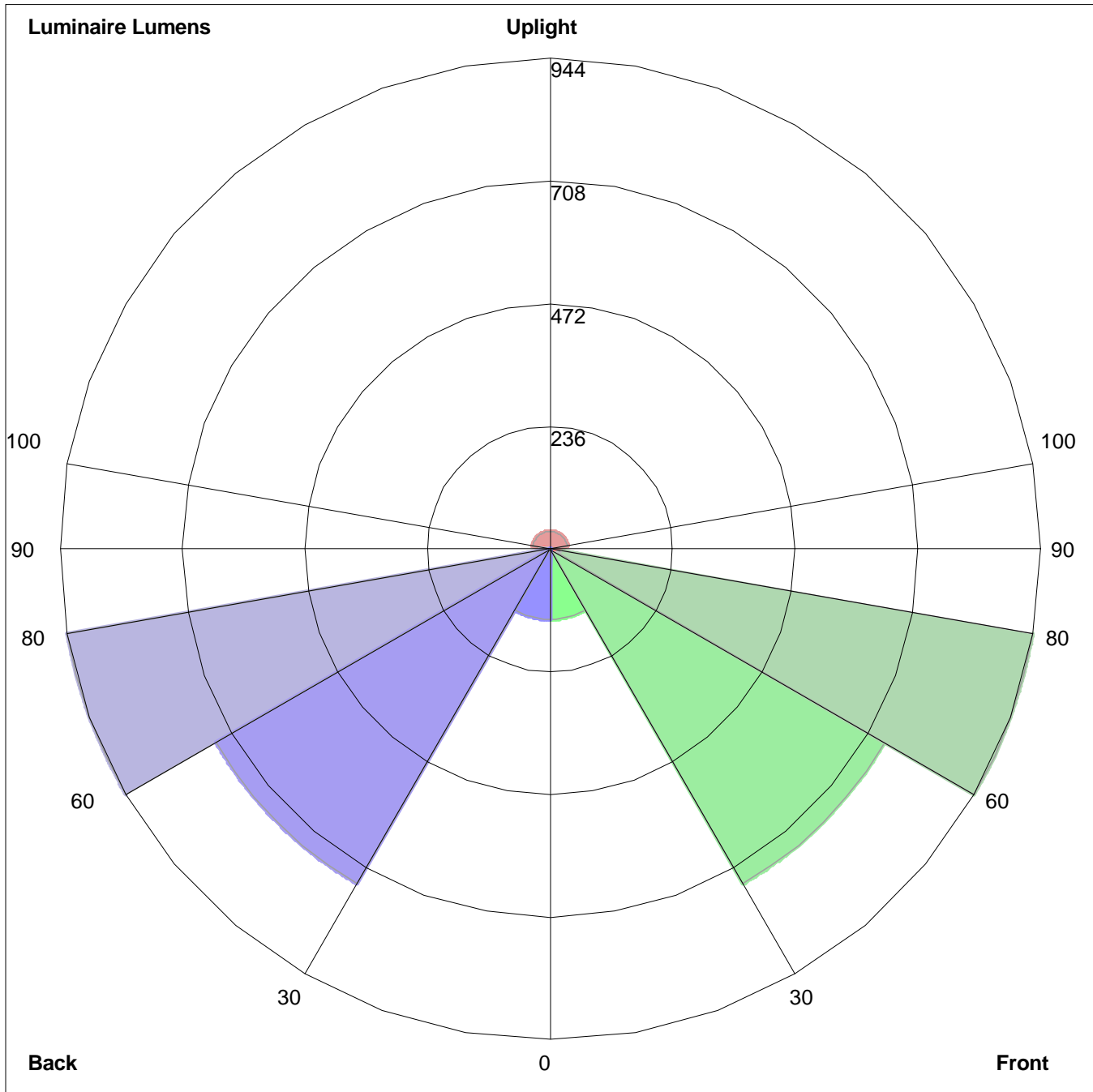
Maximum Candela = 1326 Located At Horizontal Angle = 0, Vertical Angle = 71
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (71) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
 Front: Low=135.2, Medium=743.8, High=943.7, Very High=19.3
 Back: Low=135.2, Medium=743.8, High=943.7, Very High=19.3
 Uplight: Low=12.2, High=33.9

BUG Rating : B2-U2-G1