

PHOTOMETRIC FILENAME : CDL8D-SW5A-SP36W

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Viso LabSpion - serial: n/a sensor serial: n/a

[TESTLAB] Viso - serial: n/a sensor serial: n/a - Test lab

[MANUFAC] Super Bright LEDs, Inc.

[ISSUEDATE] 9/25/2025

[LUMINAIRE] CDL8D-SW5A-SP36W

[LUMCAT] N/A

[_SERIALNUMBER] n/a - n/a

Measurement Conditions

Tested c-planes, qty	37
Tested gamma angles, qty	361

Tested Light Source

Luminaire	CDL8D-SW5A-SP36W
Item No.	
Manufacturer	Super Bright LEDs, Inc.

Main Light Measurement Results

Luminaire lumens	4731.9 lm
Total Lamp Lumens	4736 lm
Downward Total Efficiency	99.9%
Total Luminaire Efficiency	99.9%
Luminaire Efficacy Rating (LER)	131.7 lm/W
Total Luminaire Watts	35.9 W
Basic Luminous Shape	SPOT
Luminous Length (0-180)	0.13 m
Luminous Width (90-270)	0 m
Luminous Height	0 m
Correlated Color Temperature, CCT	2700 K
Color Rendering Index, CRI	92.0

IES INDOOR REPORT



Light measurement results

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture	Lamp Lumens	Fixture Lumens
0-20	769.3	16.2 %	16.3 %	4735.7	4731.9
0-30	1631.3	34.4 %	34.5 %		
0-40	2652.3	56.0 %	56.1 %		
0-60	4341.2	91.7 %	91.7 %		
0-80	4707.4	99.4 %	99.5 %		
0-90	4727.0	99.8 %	99.9 %		
10-90	4528.1	95.6 %	95.7 %		
20-40	1883.0	39.8 %	39.8 %		
20-50	2874.4	60.7 %	60.7 %		
40-70	1969.9	41.6 %	41.6 %		
60-80	366.3	7.7 %	7.7 %		
70-80	85.3	1.8 %	1.8 %		
80-90	19.6	0.4 %	0.4 %		
90-110	0.4	0.0 %	0.0 %		
90-120	0.7	0.0 %	0.0 %		
90-130	1.4	0.0 %	0.0 %		
90-150	3.2	0.1 %	0.1 %		
90-180	4.9	0.1 %	0.1 %		
110-180	4.6	0.1 %	0.1 %		
0-180	4731.9	99.9 %	100.0 %		
Total Luminaire Efficiency =			99.9 %		

Zone	Lumens
0-10	198.9
10-20	570.4
20-30	862.0
30-40	1020.9
40-50	991.4
50-60	697.5
60-70	281.0
70-80	85.3
80-90	19.6
90-100	0.1
100-110	0.2
110-120	0.4
120-130	0.6
130-140	0.9
140-150	1.0
150-160	0.9
160-170	0.6
170-180	0.2

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Light measurement results

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Gamma	C0	C10	C20	C30	C40	C50	C60	C70	C80
180	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
177.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
175	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
172.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
170	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24
167.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
165	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
162.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
160	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04
157.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
155	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
152.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
150	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
147.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
145	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
142.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
140	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
137.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
135	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
132.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
130	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889
127.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
125	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685
122.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
120	0.525	0.525	0.525	0.525	0.525	0.525	0.525	0.525	0.525
117.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
115	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394
112.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
110	0.290	0.290	0.290	0.290	0.290	0.290	0.290	0.290	0.290
107.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
105	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198
102.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
100	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129
97.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
95	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078
92.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
90	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
87.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
85	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
82.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
80	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
77.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
75	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
72.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
70	136	136	136	136	136	136	136	136	136
67.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
65	269	269	269	269	269	269	269	269	269
62.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
60	499	499	499	499	499	499	499	499	499
57.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
55	785	785	785	785	785	785	785	785	785
52.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
50	1064	1064	1064	1064	1064	1064	1064	1064	1064
47.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
45	1293	1293	1293	1293	1293	1293	1293	1293	1293
42.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
40	1479	1479	1479	1479	1479	1479	1479	1479	1479
37.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
35	1635	1635	1635	1635	1635	1635	1635	1635	1635
32.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
30	1766	1766	1766	1766	1766	1766	1766	1766	1766
27.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
25	1872	1872	1872	1872	1872	1872	1872	1872	1872
22.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
20	1956	1956	1956	1956	1956	1956	1956	1956	1956
17.5	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
15	2022	2022	2022	2022	2022	2022	2022	2022	2022
12.5	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685
10	2066	2066	2066	2066	2066	2066	2066	2066	2066
7.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
5	2093	2093	2093	2093	2093	2093	2093	2093	2093
2.5	1872	1872	1872	1872	1872	1872	1872	1872	1872
0	2102	2102	2102	2102	2102	2102	2102	2102	2102

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Light measurement results

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Gamma	C90	C100	C110	C120	C130	C140	C150	C160	C170
180	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
177.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
175	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
172.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
170	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24
167.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
165	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
162.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
160	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04
157.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
155	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
152.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
150	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
147.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
145	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
142.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
140	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
137.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
135	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
132.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
130	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889
127.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
125	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685
122.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
120	0.525	0.525	0.525	0.525	0.525	0.525	0.525	0.525	0.525
117.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
115	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394
112.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
110	0.290	0.290	0.290	0.290	0.290	0.290	0.290	0.290	0.290
107.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
105	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198
102.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
100	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129
97.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
95	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078
92.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
90	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
87.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
85	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
82.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
80	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
77.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
75	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
72.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
70	136	136	136	136	136	136	136	136	136
67.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
65	269	269	269	269	269	269	269	269	269
62.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
60	499	499	499	499	499	499	499	499	499
57.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
55	785	785	785	785	785	785	785	785	785
52.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
50	1064	1064	1064	1064	1064	1064	1064	1064	1064
47.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
45	1293	1293	1293	1293	1293	1293	1293	1293	1293
42.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
40	1479	1479	1479	1479	1479	1479	1479	1479	1479
37.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
35	1635	1635	1635	1635	1635	1635	1635	1635	1635
32.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
30	1766	1766	1766	1766	1766	1766	1766	1766	1766
27.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
25	1872	1872	1872	1872	1872	1872	1872	1872	1872
22.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
20	1956	1956	1956	1956	1956	1956	1956	1956	1956
17.5	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
15	2022	2022	2022	2022	2022	2022	2022	2022	2022
12.5	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685
10	2066	2066	2066	2066	2066	2066	2066	2066	2066
7.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
5	2093	2093	2093	2093	2093	2093	2093	2093	2093
2.5	1872	1872	1872	1872	1872	1872	1872	1872	1872
0	2102	2102	2102	2102	2102	2102	2102	2102	2102

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Light measurement results

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Gamma	C180	C190	C200	C210	C220	C230	C240	C250	C260
180	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
177.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
175	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
172.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
170	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24
167.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
165	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
162.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
160	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04
157.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
155	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
152.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
150	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
147.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
145	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
142.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
140	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
137.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
135	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
132.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
130	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889
127.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
125	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685
122.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
120	0.525	0.525	0.525	0.525	0.525	0.525	0.525	0.525	0.525
117.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
115	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394
112.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
110	0.290	0.290	0.290	0.290	0.290	0.290	0.290	0.290	0.290
107.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
105	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198
102.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
100	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129
97.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
95	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078
92.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
90	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
87.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
85	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
82.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
80	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
77.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
75	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
72.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
70	136	136	136	136	136	136	136	136	136
67.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
65	269	269	269	269	269	269	269	269	269
62.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
60	499	499	499	499	499	499	499	499	499
57.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
55	785	785	785	785	785	785	785	785	785
52.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
50	1064	1064	1064	1064	1064	1064	1064	1064	1064
47.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
45	1293	1293	1293	1293	1293	1293	1293	1293	1293
42.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
40	1479	1479	1479	1479	1479	1479	1479	1479	1479
37.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
35	1635	1635	1635	1635	1635	1635	1635	1635	1635
32.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
30	1766	1766	1766	1766	1766	1766	1766	1766	1766
27.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
25	1872	1872	1872	1872	1872	1872	1872	1872	1872
22.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
20	1956	1956	1956	1956	1956	1956	1956	1956	1956
17.5	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
15	2022	2022	2022	2022	2022	2022	2022	2022	2022
12.5	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685
10	2066	2066	2066	2066	2066	2066	2066	2066	2066
7.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
5	2093	2093	2093	2093	2093	2093	2093	2093	2093
2.5	1872	1872	1872	1872	1872	1872	1872	1872	1872
0	2102	2102	2102	2102	2102	2102	2102	2102	2102

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Gamma	C270	C280	C290	C300	C310	C320	C330	C340	C350
180	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
177.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
175	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
172.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
170	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24	2.24
167.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
165	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
162.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
160	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04
157.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
155	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
152.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
150	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
147.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
145	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
142.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
140	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
137.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
135	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
132.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
130	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889	0.889
127.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
125	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685
122.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
120	0.525	0.525	0.525	0.525	0.525	0.525	0.525	0.525	0.525
117.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
115	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394
112.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
110	0.290	0.290	0.290	0.290	0.290	0.290	0.290	0.290	0.290
107.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
105	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198	0.198
102.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
100	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129	0.129
97.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
95	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078	0.078
92.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
90	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
87.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
85	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
82.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
80	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
77.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
75	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
72.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
70	136	136	136	136	136	136	136	136	136
67.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
65	269	269	269	269	269	269	269	269	269
62.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
60	499	499	499	499	499	499	499	499	499
57.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
55	785	785	785	785	785	785	785	785	785
52.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
50	1064	1064	1064	1064	1064	1064	1064	1064	1064
47.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
45	1293	1293	1293	1293	1293	1293	1293	1293	1293
42.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
40	1479	1479	1479	1479	1479	1479	1479	1479	1479
37.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
35	1635	1635	1635	1635	1635	1635	1635	1635	1635
32.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
30	1766	1766	1766	1766	1766	1766	1766	1766	1766
27.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
25	1872	1872	1872	1872	1872	1872	1872	1872	1872
22.5	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
20	1956	1956	1956	1956	1956	1956	1956	1956	1956
17.5	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
15	2022	2022	2022	2022	2022	2022	2022	2022	2022
12.5	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685	0.685
10	2066	2066	2066	2066	2066	2066	2066	2066	2066
7.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
5	2093	2093	2093	2093	2093	2093	2093	2093	2093
2.5	1872	1872	1872	1872	1872	1872	1872	1872	1872
0	2102	2102	2102	2102	2102	2102	2102	2102	2102

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UGR TABLE

Uncorrected, comprehensive UGR table according to 117-1995, S/H ratio=0.25

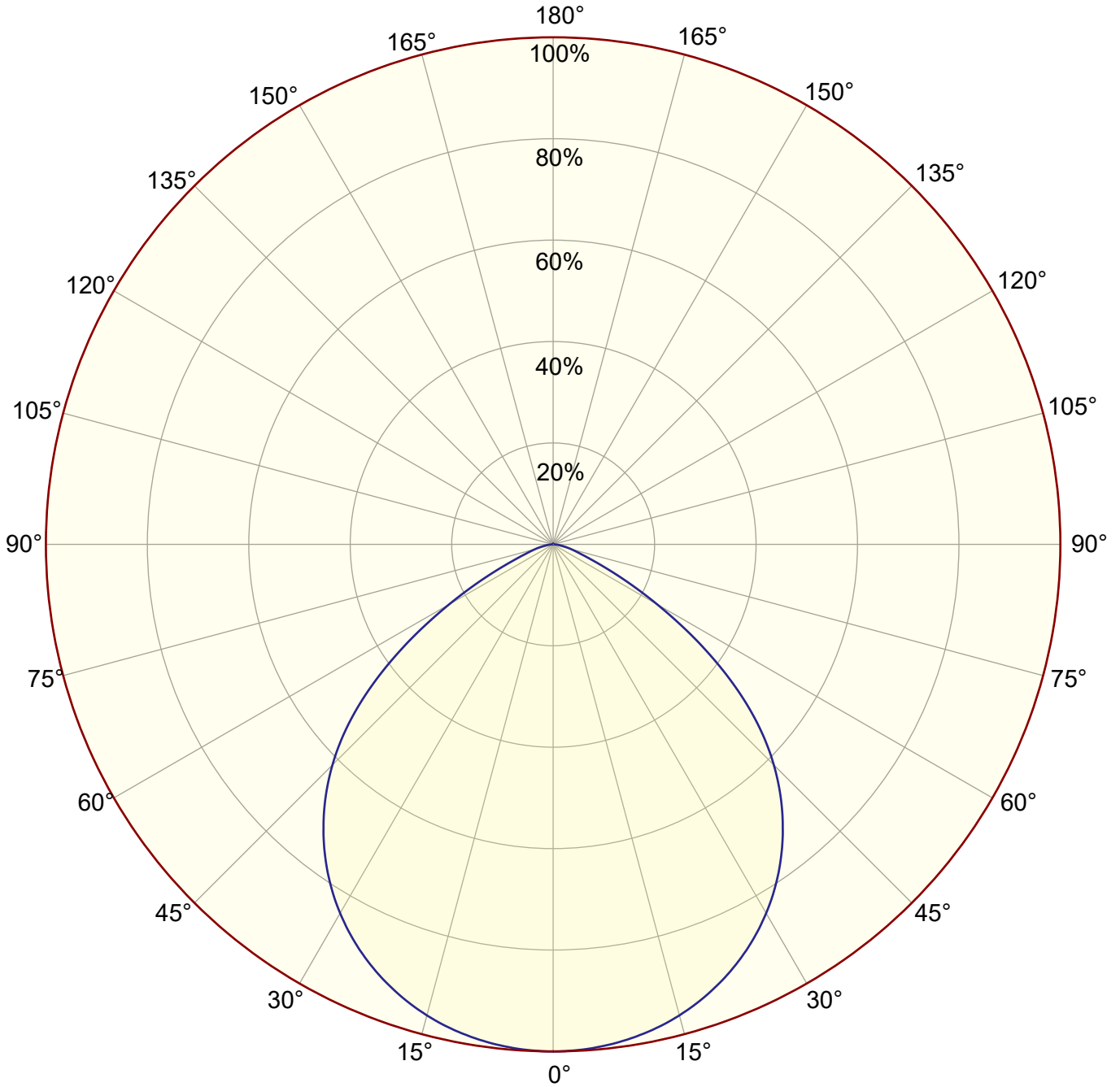
Reflectances			70	70	50	50	30	70	70	50	50	30
	ρ Ceiling		70	70	50	50	30	70	70	50	50	30
	ρ Walls		50	30	50	30	30	50	30	50	30	30
	ρ Floor		20	20	20	20	20	20	20	20	20	20
Room size			Viewed Crosswise					Viewed Endwise				
H = mounting height above eye level			(Viewing direction orthogonal to lamp length axis)					(Viewing direction parallel to lamp length axis)				
	X	Y										
2H	2H		28.3	29.4	28.5	29.6	29.9	28.3	29.4	28.5	29.6	29.9
		3H	28.4	29.5	28.8	29.7	29.9	28.4	29.5	28.8	29.7	29.9
		4H	28.4	29.5	28.8	29.7	30.0	28.4	29.5	28.8	29.7	30.0
		6H	28.5	29.4	28.8	29.7	30.0	28.5	29.4	28.8	29.7	30.0
		8H	28.4	29.3	28.8	29.6	30.0	28.4	29.3	28.8	29.6	30.0
		12H	28.4	29.2	28.8	29.6	30.0	28.4	29.2	28.8	29.6	30.0
4H	2H		28.4	29.4	28.8	29.7	29.9	28.4	29.4	28.8	29.7	29.9
		3H	28.7	29.5	29.1	29.9	30.3	28.7	29.5	29.1	29.9	30.3
		4H	28.7	29.4	29.1	29.9	30.4	28.7	29.4	29.1	29.9	30.4
		6H	28.7	29.5	29.2	29.8	30.2	28.7	29.5	29.2	29.8	30.2
		8H	28.7	29.4	29.2	29.7	30.1	28.7	29.4	29.2	29.7	30.1
		12H	28.7	29.2	29.2	29.6	30.1	28.7	29.2	29.2	29.6	30.1
8H	4H		28.6	29.3	29.1	29.7	30.1	28.6	29.3	29.1	29.7	30.1
		6H	28.7	29.2	29.2	29.7	30.2	28.7	29.2	29.2	29.7	30.2
		8H	28.8	29.2	29.3	29.7	30.3	28.8	29.2	29.3	29.7	30.3
		12H	28.7	29.1	29.3	29.6	30.2	28.7	29.1	29.3	29.6	30.2
12H	4H		28.6	29.1	29.1	29.6	30.0	28.6	29.1	29.1	29.6	30.0
		6H	28.7	29.1	29.2	29.7	30.3	28.7	29.1	29.2	29.7	30.3
		8H	28.7	29.1	29.3	29.6	30.2	28.7	29.1	29.3	29.6	30.2

Variations with the observer position for the luminaire spacings, S:		
S = 1.0H	0.3 / -0.5	0.3 / -0.5
S = 1.5H	1.2 / -2.2	1.2 / -2.2
S = 2.0H	2.5 / -4.3	2.5 / -4.3

COEFFICIENTS OF UTILIZATION

Ceiling reflectance	80				70				50			30			10			0
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
RCR (Room Cavity Ratio)																		
Room values are expressed as percentage of Lumen delivered to the task surface																		
0	119.0	119.0	119.0	119.0	116.2	116.2	116.2	116.2	111.1	111.1	111.1	106.3	106.3	106.3	101.9	101.9	101.9	99.9
1	110.9	107.0	103.6	100.4	108.3	104.8	101.7	98.8	100.6	98.1	95.7	96.8	94.7	92.8	93.2	91.6	90.1	88.1
2	102.4	95.5	89.8	85.0	100.0	93.7	88.4	84.0	90.2	85.8	82.1	87.1	83.4	80.2	84.1	81.1	78.5	76.5
3	94.5	85.4	78.3	72.7	92.2	83.9	77.3	72.1	81.0	75.4	70.8	78.3	73.6	69.6	75.9	71.9	68.5	66.5
4	87.2	76.6	68.9	63.0	85.1	75.4	68.1	62.5	72.9	66.7	61.7	70.7	65.3	60.9	68.6	64.0	60.1	58.1
5	80.7	69.1	61.0	55.1	78.7	68.0	60.4	54.8	66.0	59.3	54.2	64.1	58.2	53.6	62.3	57.2	53.1	51.2
6	74.8	62.7	54.5	48.6	73.0	61.7	54.0	48.4	60.0	53.1	48.0	58.4	52.3	47.6	56.9	51.5	47.2	45.3
7	69.6	57.1	49.0	43.3	67.9	56.3	48.6	43.2	54.8	47.9	42.9	53.4	47.2	42.6	52.1	46.5	42.3	40.4
8	64.9	52.3	44.4	38.9	63.4	51.6	44.1	38.8	50.3	43.5	38.6	49.1	42.9	38.3	48.0	42.3	38.1	36.3
9	60.7	48.1	40.4	35.2	59.3	47.5	40.1	35.1	46.4	39.7	34.9	45.4	39.2	34.8	44.4	38.7	34.6	32.9
10	57.0	44.5	37.0	32.0	55.7	44.0	36.8	31.9	43.0	36.4	31.8	42.1	36.0	31.7	41.2	35.6	31.5	29.9

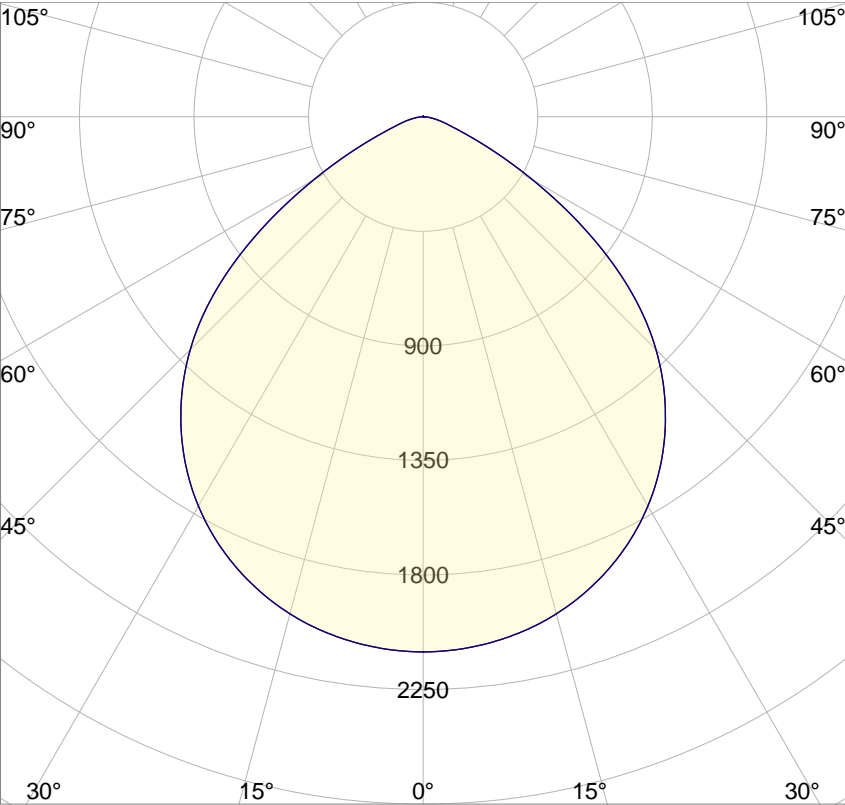
POLAR GRAPH - PEAK VALUES



Maximum intensity = 2102.3 cd. Located at horizontal, vertical angles 350H 1V

- Peak plane: C90 - C270 (through max.intensity cd)
- Horizontal cone through vertical angle 1

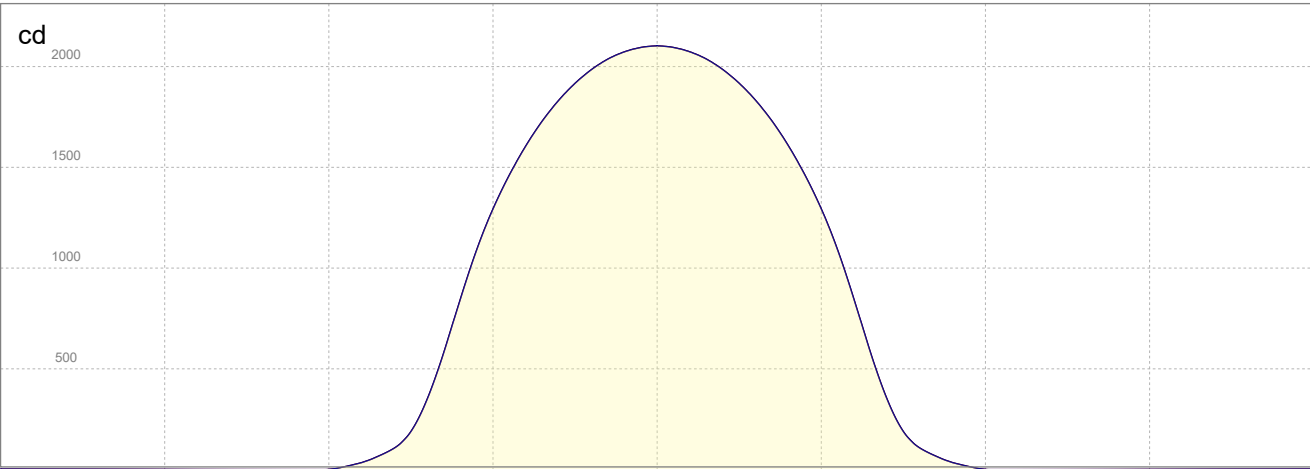
POLAR GRAPH - MAIN PLANES



cd $\eta = 99.9\%$

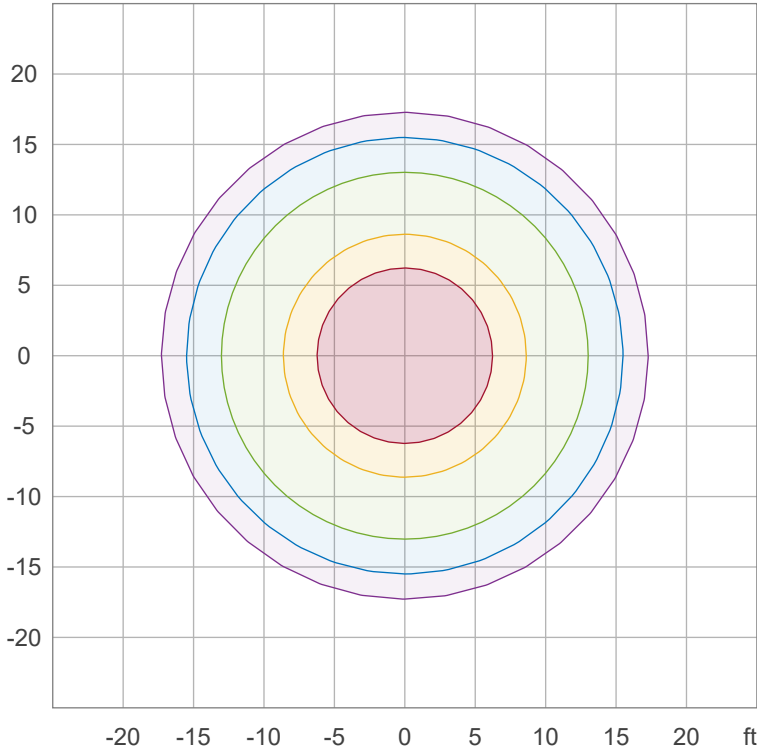
- C0 - C180
- C90 - C270

LINEAR INTENSITY DISTRIBUTION DIAGRAM



- C0 - C180
- C90 - C270
- Peak plane: C90 - C270

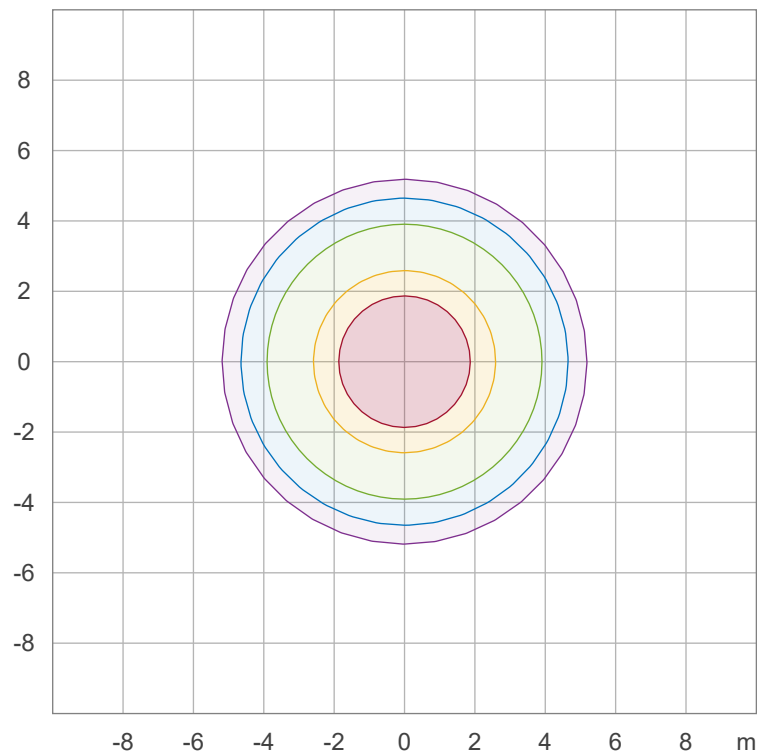
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



50.0 %	10.5 fc
30.0 %	6.3 fc
10.0 %	2.1 fc
5.0 %	1.1 fc
3.0 %	0.6 fc

Peak illuminance: 21.0 fc
 Mounting height: 10.0 ft
 Number of c-planes: 36

ISOLUX LINES OF HORIZONTAL ILLUMINANCE



50.0 %	116.8 lx
30.0 %	70.1 lx
10.0 %	23.4 lx
5.0 %	11.7 lx
3.0 %	7.0 lx

Peak illuminance: 233.6 lx
 Mounting height: 3.0 m
 Number of c-planes: 36