

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P895521

Luminaire Tested: 8TMB-SC3-RNDU-UNV-CC93-HI-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-SC3-RNDU-UNV-CC93-HI-4000K
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 40 CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

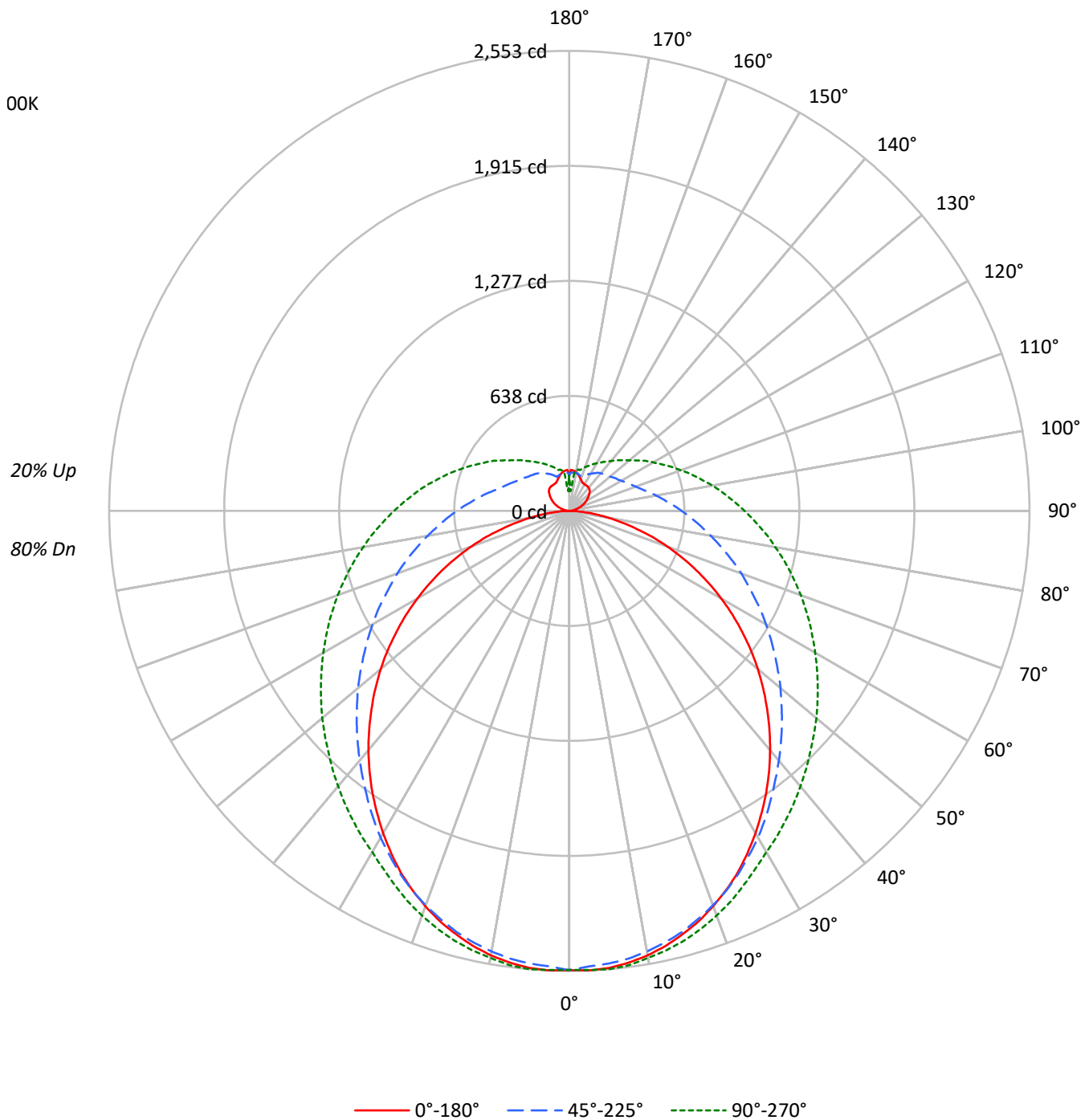
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10716.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 7.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 101.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.39961257980444
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	50	30	10	0
RCR																					
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9040	9040	9040
5°	9045	8671	8676
10°	8981	8346	8275
15°	8869	8015	7904
20°	8731	7664	7524
25°	8560	7310	7143
30°	8336	6952	6806
35°	8105	6582	6556
40°	7856	6248	6330
45°	7587	5953	6129
50°	7306	5691	5974
55°	6982	5449	5838
60°	6616	5252	5737
65°	6167	5081	5680
70°	5608	4981	5661
75°	4846	4916	5686
80°	3926	4935	5776
85°	2737	5092	5965

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7587 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.0	2.2
10°-20°	687.3	6.4
20°-30°	1031.9	9.6
30°-40°	1240.9	11.6
40°-50°	1314.7	12.3
50°-60°	1266.1	11.8
60°-70°	1120.5	10.5
70°-80°	919.1	8.6
80°-90°	713.2	6.7
90°-100°	553.5	5.2
100°-110°	438.6	4.1
110°-120°	349.4	3.3
120°-130°	277.6	2.6
130°-140°	216.7	2.0
140°-150°	159.5	1.5
150°-160°	105.5	1.0
160°-170°	60.7	0.6
170°-180°	19.5	0.2
0°-30°	1960.3	18.3
0°-40°	3201.2	29.9
0°-60°	5782.1	54.0
0°-90°	8534.9	79.6
90°-120°	1341.5	12.5
90°-150°	1995.3	18.6
90°-180°	2181.0	20.4
0°-180°	10716.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2548	2548	2548	2548	2548	
5°	2545	2548	2521	2540	2553	242
15°	2431	2434	2419	2456	2468	686
25°	2213	2220	2220	2276	2291	1018
35°	1905	1930	1951	2053	2094	1191
45°	1551	1588	1668	1825	1891	1197
55°	1171	1229	1391	1598	1682	1047
65°	776	882	1132	1370	1471	768
75°	388	582	902	1156	1263	415
85°	87	352	705	962	1064	100
90°	2	276	623	873	972	7
95°	12	228	550	788	885	13
105°	44	184	434	645	730	47
115°	87	177	361	526	596	85
125°	126	184	315	434	487	113
135°	160	196	284	364	398	122
145°	170	194	257	313	332	106
155°	172	201	221	267	281	81
165°	204	216	208	208	235	57
175°	225	223	213	177	119	21
180°	196	196	196	196	196	



TEST NUMBER: P895521
 CATALOG NUMBER: 8TMB-SC3-RNDU-UNV-CC93-HI-4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2547.7	2547.7	2547.7	2547.7	2547.7	2547.7	2547.7	2547.7	2547.7	2547.7	2547.7
2.5°	2552.6	2550.2	2555.0	2559.9	2574.4	2555.0	2564.7	2538.0	2540.5	2542.9	2530.8
5°	2545.3	2538.0	2545.3	2550.2	2562.3	2547.7	2557.4	2528.4	2530.8	2535.6	2521.1
7.5°	2528.4	2521.1	2525.9	2530.8	2542.9	2528.4	2540.5	2511.4	2516.2	2518.7	2506.5
10°	2504.1	2494.4	2499.3	2506.5	2516.2	2504.1	2513.8	2487.1	2489.6	2494.4	2482.3
12.5°	2472.6	2462.9	2467.8	2472.6	2484.7	2472.6	2482.3	2455.6	2460.5	2465.3	2453.2
15°	2431.4	2421.7	2426.5	2431.4	2441.1	2433.8	2443.5	2416.8	2421.7	2431.4	2419.3
17.5°	2387.8	2373.2	2378.1	2385.3	2395.0	2390.2	2397.5	2375.6	2378.1	2387.8	2375.6
20°	2334.4	2319.9	2324.7	2332.0	2341.7	2339.3	2344.1	2324.7	2329.6	2341.7	2329.6
22.5°	2276.2	2261.7	2266.5	2276.2	2283.5	2283.5	2285.9	2271.4	2276.2	2288.4	2278.7
25°	2213.2	2198.7	2203.5	2213.2	2220.5	2220.5	2225.3	2210.8	2218.1	2230.2	2220.5
27.5°	2140.5	2133.2	2133.2	2142.9	2147.8	2152.6	2155.0	2142.9	2152.6	2164.7	2157.5
30°	2065.3	2055.7	2060.5	2072.6	2072.6	2082.3	2082.3	2072.6	2084.7	2099.3	2094.4
32.5°	1985.4	1978.1	1980.5	1995.0	1995.0	2007.2	2004.7	1999.9	2012.0	2029.0	2024.1
35°	1905.4	1898.1	1900.5	1915.1	1915.1	1929.6	1924.7	1924.7	1936.9	1956.3	1951.4
37.5°	1820.5	1815.7	1818.1	1832.6	1832.6	1847.2	1842.3	1844.8	1859.3	1881.1	1878.7
40°	1733.2	1728.4	1733.2	1745.4	1750.2	1762.3	1757.5	1762.3	1781.7	1801.1	1808.4
42.5°	1643.6	1641.1	1646.0	1658.1	1662.9	1675.1	1672.6	1679.9	1699.3	1728.4	1738.1
45°	1551.4	1551.4	1556.3	1568.4	1573.3	1587.8	1585.4	1595.1	1619.3	1650.8	1667.8
47.5°	1459.3	1461.7	1464.2	1478.7	1478.7	1503.0	1495.7	1510.2	1541.7	1578.1	1597.5
50°	1364.8	1369.6	1372.0	1384.2	1389.0	1410.8	1406.0	1430.2	1464.2	1503.0	1529.6
52.5°	1270.2	1275.1	1279.9	1289.6	1294.5	1321.1	1316.3	1347.8	1389.0	1430.2	1459.3
55°	1170.8	1180.5	1183.0	1195.1	1202.4	1229.0	1229.0	1265.4	1309.0	1355.1	1391.4
57.5°	1073.9	1083.6	1086.0	1100.5	1110.2	1141.8	1146.6	1187.8	1236.3	1282.4	1326.0
60°	974.5	986.6	989.0	1003.6	1020.6	1054.5	1061.8	1107.8	1161.2	1209.6	1260.5
62.5°	875.1	887.2	892.1	906.6	933.3	967.2	979.3	1032.7	1088.4	1141.8	1197.5
65°	775.7	787.8	795.1	814.5	846.0	882.4	899.3	955.1	1018.1	1073.9	1132.1
67.5°	676.3	690.9	700.6	724.8	766.0	804.8	821.8	884.8	950.3	1010.9	1071.5
70°	579.4	593.9	606.0	637.5	686.0	724.8	746.6	814.5	882.4	947.8	1015.7
72.5°	484.8	499.4	516.3	555.1	608.5	652.1	676.3	746.6	821.8	887.2	957.5
75°	387.9	404.8	424.2	477.6	538.2	581.8	608.5	683.6	761.2	826.6	901.8
77.5°	300.6	317.6	346.6	400.0	467.9	516.3	545.4	625.4	705.4	770.9	848.4
80°	220.6	237.6	276.3	334.5	404.8	450.9	487.2	569.7	652.1	720.0	797.5
82.5°	150.3	167.3	213.3	276.3	351.5	397.6	431.5	518.8	601.2	671.5	749.1
85°	87.3	111.5	160.0	227.9	305.4	351.5	385.4	475.1	555.1	625.4	705.4
87.5°	38.8	67.9	121.2	189.1	266.7	310.3	346.6	429.1	513.9	584.2	664.2
90°	2.4	38.8	94.5	160.0	235.1	276.3	310.3	392.7	472.7	545.4	623.0
92.5°	4.8	26.7	77.6	138.2	208.5	249.7	283.6	361.2	436.3	511.5	586.6
95°	12.1	26.7	67.9	123.6	189.1	227.9	259.4	334.5	404.8	477.6	550.3
97.5°	19.4	29.1	65.5	116.4	174.5	210.9	240.0	310.3	380.6	446.0	518.8
100°	26.7	36.4	65.5	111.5	164.8	198.8	225.4	290.9	356.3	416.9	489.7
102.5°	33.9	43.6	70.3	111.5	160.0	189.1	215.7	276.3	337.0	392.7	460.6
105°	43.6	50.9	75.1	111.5	155.1	184.2	206.0	261.8	320.0	373.3	433.9
107.5°	53.3	58.2	80.0	113.9	155.1	179.4	201.2	252.1	305.4	353.9	412.1
110°	65.5	67.9	87.3	118.8	155.1	177.0	196.4	244.8	293.3	339.4	392.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	75.1	75.1	94.5	123.6	155.1	177.0	193.9	237.6	283.6	324.8	375.7
115°	87.3	87.3	101.8	128.5	157.6	177.0	193.9	235.1	276.3	312.7	361.2
117.5°	97.0	97.0	111.5	133.3	162.4	179.4	193.9	230.3	269.1	303.0	346.6
120°	106.7	106.7	116.4	138.2	164.8	181.8	193.9	227.9	261.8	295.7	334.5
122.5°	116.4	116.4	123.6	145.4	167.3	181.8	193.9	225.4	257.0	286.0	322.4
125°	126.1	126.1	130.9	150.3	172.1	184.2	196.4	225.4	254.5	278.8	315.1
127.5°	135.8	133.3	140.6	157.6	174.5	186.7	198.8	225.4	249.7	273.9	305.4
130°	143.0	140.6	150.3	162.4	179.4	189.1	198.8	223.0	247.3	269.1	295.7
132.5°	152.7	147.9	160.0	164.8	184.2	193.9	201.2	223.0	244.8	264.2	290.9
135°	160.0	155.1	167.3	172.1	186.7	196.4	203.6	223.0	242.4	261.8	283.6
137.5°	164.8	162.4	174.5	179.4	189.1	198.8	206.0	223.0	240.0	257.0	278.8
140°	167.3	164.8	174.5	184.2	189.1	198.8	203.6	220.6	237.6	252.1	271.5
142.5°	169.7	169.7	177.0	186.7	189.1	196.4	203.6	218.2	232.7	244.8	266.7
145°	169.7	169.7	177.0	189.1	191.5	193.9	198.8	213.3	225.4	237.6	257.0
147.5°	169.7	169.7	179.4	189.1	193.9	196.4	193.9	208.5	220.6	230.3	247.3
150°	169.7	169.7	179.4	189.1	196.4	198.8	196.4	203.6	213.3	223.0	237.6
152.5°	172.1	172.1	179.4	189.1	196.4	198.8	198.8	198.8	206.0	215.7	230.3
155°	172.1	174.5	179.4	193.9	198.8	201.2	201.2	201.2	198.8	208.5	220.6
157.5°	179.4	181.8	184.2	196.4	201.2	203.6	203.6	203.6	201.2	198.8	210.9
160°	186.7	189.1	191.5	201.2	206.0	208.5	208.5	208.5	203.6	201.2	201.2
162.5°	193.9	198.8	198.8	203.6	208.5	210.9	210.9	213.3	208.5	206.0	203.6
165°	203.6	206.0	206.0	208.5	213.3	215.7	213.3	215.7	213.3	210.9	208.5
167.5°	210.9	213.3	213.3	215.7	215.7	218.2	218.2	218.2	215.7	213.3	213.3
170°	218.2	220.6	220.6	220.6	220.6	220.6	220.6	220.6	218.2	213.3	213.3
172.5°	223.0	225.4	225.4	223.0	223.0	223.0	223.0	220.6	215.7	213.3	213.3
175°	225.4	227.9	227.9	225.4	223.0	223.0	223.0	220.6	215.7	213.3	213.3
177.5°	227.9	230.3	227.9	227.9	223.0	223.0	223.0	223.0	218.2	215.7	213.3
180°	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2547.7	2547.7	2547.7	2547.7	2547.7	2547.7	2547.7	2547.7	2547.7	2547.7
2.5°	2545.3	2516.2	2535.6	2538.0	2547.7	2538.0	2545.3	2538.0	2557.4	2550.2
5°	2535.6	2509.0	2525.9	2528.4	2540.5	2528.4	2540.5	2535.6	2559.9	2552.6
7.5°	2518.7	2496.8	2511.4	2513.8	2528.4	2516.2	2528.4	2523.5	2552.6	2542.9
10°	2494.4	2477.4	2492.0	2494.4	2509.0	2496.8	2506.5	2501.7	2533.2	2518.7
12.5°	2467.8	2453.2	2465.3	2467.8	2484.7	2472.6	2484.7	2479.9	2511.4	2496.8
15°	2429.0	2421.7	2433.8	2438.7	2455.6	2445.9	2458.1	2453.2	2487.1	2467.8
17.5°	2390.2	2385.3	2397.5	2402.3	2421.7	2409.6	2421.7	2416.8	2450.8	2431.4
20°	2341.7	2339.3	2351.4	2358.7	2375.6	2363.5	2378.1	2373.2	2409.6	2390.2
22.5°	2290.8	2290.8	2300.5	2307.8	2324.7	2315.0	2329.6	2327.2	2363.5	2344.1
25°	2235.0	2237.5	2247.2	2256.9	2276.2	2269.0	2281.1	2281.1	2315.0	2290.8
27.5°	2172.0	2184.1	2191.4	2203.5	2220.5	2213.2	2225.3	2227.8	2261.7	2237.5
30°	2106.6	2123.5	2130.8	2145.3	2159.9	2159.9	2172.0	2176.9	2210.8	2186.6
32.5°	2038.7	2058.1	2067.8	2087.2	2106.6	2106.6	2123.5	2130.8	2164.7	2142.9
35°	1970.8	1997.5	2009.6	2033.8	2053.2	2055.7	2072.6	2082.3	2116.3	2094.4
37.5°	1905.4	1939.3	1951.4	1980.5	1997.5	2002.3	2021.7	2033.8	2065.3	2046.0
40°	1837.5	1878.7	1893.2	1924.7	1939.3	1949.0	1968.4	1982.9	2012.0	1995.0
42.5°	1772.0	1818.1	1832.6	1866.6	1883.5	1893.2	1912.6	1932.0	1961.1	1944.1
45°	1706.6	1757.5	1774.5	1810.8	1825.4	1839.9	1861.7	1878.7	1905.4	1890.8
47.5°	1643.6	1696.9	1713.9	1752.6	1769.6	1786.6	1806.0	1830.2	1854.4	1839.9
50°	1578.1	1633.9	1655.7	1696.9	1711.4	1730.8	1755.1	1776.9	1801.1	1789.0
52.5°	1515.1	1573.3	1595.1	1638.7	1655.7	1675.1	1699.3	1723.5	1745.4	1735.7
55°	1447.2	1510.2	1534.5	1580.5	1597.5	1616.9	1643.6	1670.2	1689.6	1682.3
57.5°	1384.2	1449.6	1473.9	1524.8	1539.3	1563.6	1590.2	1619.3	1636.3	1629.0
60°	1321.1	1386.6	1415.7	1466.6	1483.6	1507.8	1534.5	1566.0	1580.5	1575.7
62.5°	1258.1	1326.0	1357.5	1410.8	1425.4	1452.0	1483.6	1510.2	1524.8	1522.3
65°	1199.9	1265.4	1301.8	1355.1	1369.6	1398.7	1427.8	1456.9	1471.4	1471.4
67.5°	1139.3	1209.6	1246.0	1301.8	1313.9	1345.4	1376.9	1406.0	1418.1	1418.1
70°	1083.6	1151.5	1192.7	1248.4	1260.5	1289.6	1323.6	1355.1	1364.8	1367.2
72.5°	1027.8	1095.7	1139.3	1197.5	1209.6	1238.7	1270.2	1304.2	1311.4	1313.9
75°	974.5	1042.4	1086.0	1144.2	1156.3	1185.4	1219.3	1250.8	1260.5	1263.0
77.5°	921.2	989.0	1037.5	1093.3	1105.4	1134.5	1168.4	1199.9	1207.2	1212.1
80°	872.7	938.1	984.2	1044.8	1056.9	1086.0	1117.5	1149.0	1153.9	1161.2
82.5°	824.2	889.7	938.1	996.3	1008.4	1037.5	1069.0	1100.5	1105.4	1115.1
85°	778.1	843.6	892.1	947.8	962.4	989.0	1023.0	1052.1	1056.9	1064.2
87.5°	736.9	797.5	848.4	901.8	916.3	943.0	976.9	1006.0	1008.4	1018.1
90°	693.3	753.9	804.8	858.1	872.7	896.9	930.9	959.9	964.8	972.1
92.5°	656.9	712.7	766.0	816.9	829.0	855.7	887.2	916.3	921.2	928.4
95°	618.1	673.9	727.2	775.7	787.8	814.5	843.6	872.7	877.5	884.8
97.5°	584.2	637.5	688.4	736.9	749.1	773.3	804.8	831.5	836.3	846.0
100°	552.7	603.6	656.9	700.6	712.7	736.9	766.0	792.7	797.5	807.2
102.5°	523.6	572.1	623.0	664.2	678.8	700.6	729.7	753.9	758.7	766.0
105°	496.9	543.0	591.5	630.3	644.8	666.6	693.3	717.5	722.4	729.7
107.5°	470.3	513.9	560.0	598.8	610.9	630.3	656.9	681.2	686.0	695.7
110°	446.0	489.7	533.3	569.7	584.2	598.8	625.4	647.2	652.1	659.4



TEST NUMBER: P895521
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	424.2	463.0	506.6	540.6	552.7	569.7	591.5	613.3	618.1	627.8
115°	404.8	441.2	484.8	516.3	526.0	540.6	564.8	584.2	589.1	596.3
117.5°	387.9	419.4	458.2	489.7	501.8	513.9	535.7	552.7	560.0	564.8
120°	373.3	402.4	436.3	465.4	480.0	489.7	509.1	526.0	533.3	538.2
122.5°	358.8	385.4	416.9	443.6	455.7	463.0	484.8	499.4	506.6	513.9
125°	346.6	370.9	400.0	421.8	433.9	441.2	460.6	475.1	482.4	487.2
127.5°	334.5	356.3	385.4	402.4	414.5	419.4	436.3	450.9	458.2	460.6
130°	322.4	344.2	368.5	385.4	395.1	402.4	416.9	426.6	433.9	436.3
132.5°	312.7	332.1	353.9	370.9	380.6	383.0	397.6	407.3	414.5	416.9
135°	305.4	320.0	341.8	356.3	363.6	368.5	380.6	387.9	395.1	397.6
137.5°	295.7	310.3	329.7	339.4	349.1	351.5	363.6	370.9	378.2	380.6
140°	288.5	300.6	317.6	327.3	337.0	337.0	346.6	353.9	361.2	361.2
142.5°	281.2	293.3	307.9	317.6	324.8	324.8	334.5	339.4	346.6	346.6
145°	271.5	283.6	298.2	305.4	312.7	312.7	320.0	324.8	332.1	332.1
147.5°	261.8	273.9	288.5	293.3	300.6	300.6	307.9	312.7	317.6	317.6
150°	249.7	259.4	276.3	283.6	290.9	290.9	295.7	300.6	305.4	305.4
152.5°	240.0	247.3	261.8	271.5	278.8	278.8	283.6	288.5	293.3	293.3
155°	227.9	235.1	247.3	259.4	266.7	269.1	273.9	276.3	281.2	281.2
157.5°	218.2	225.4	235.1	244.8	252.1	257.0	264.2	266.7	269.1	269.1
160°	206.0	210.9	220.6	230.3	237.6	242.4	254.5	257.0	259.4	259.4
162.5°	201.2	201.2	206.0	213.3	220.6	223.0	235.1	244.8	249.7	247.3
165°	203.6	201.2	201.2	203.6	208.5	210.9	218.2	232.7	237.6	235.1
167.5°	208.5	203.6	201.2	201.2	206.0	206.0	213.3	225.4	240.0	235.1
170°	208.5	201.2	196.4	196.4	198.8	198.8	203.6	210.9	225.4	227.9
172.5°	206.0	201.2	193.9	184.2	186.7	184.2	181.8	186.7	189.1	213.3
175°	208.5	201.2	193.9	181.8	177.0	169.7	157.6	147.9	145.4	118.8
177.5°	206.0	198.8	189.1	179.4	174.5	164.8	150.3	133.3	123.6	109.1
180°	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4	196.4



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.60	15.91	15.25	16.58	17.35	18.23	19.54	18.87	20.20	20.97
	3H	15.95	17.15	16.61	17.82	18.63	21.18	22.38	21.84	23.06	23.86
	4H	16.35	17.49	17.03	18.18	18.99	22.69	23.83	23.36	24.52	25.33
	6H	16.57	17.63	17.26	18.33	19.16	24.30	25.36	24.99	26.06	26.89
	8H	16.60	17.62	17.30	18.34	19.17	25.15	26.17	25.85	26.89	27.72
	12H	16.61	17.58	17.31	18.30	19.16	26.10	27.07	26.80	27.78	28.65
4H	2H	15.76	16.90	16.44	17.59	18.40	18.54	19.68	19.22	20.37	21.18
	3H	17.40	18.38	18.09	19.10	19.94	21.73	22.71	22.42	23.43	24.26
	4H	17.97	18.87	18.68	19.60	20.46	23.41	24.31	24.11	25.03	25.89
	6H	18.31	19.11	19.03	19.86	20.73	25.23	26.02	25.95	26.77	27.64
	8H	18.38	19.14	19.11	19.88	20.77	26.20	26.95	26.93	27.70	28.58
	12H	18.41	19.10	19.16	19.87	20.75	27.29	27.97	28.03	28.74	29.63
8H	4H	19.08	19.83	19.80	20.58	21.46	23.58	24.33	24.30	25.08	25.96
	6H	19.69	20.33	20.44	21.11	22.00	25.57	26.21	26.33	27.00	27.89
	8H	19.88	20.46	20.65	21.25	22.15	26.69	27.27	27.46	28.06	28.96
	12H	19.99	20.51	20.76	21.29	22.25	27.97	28.49	28.74	29.27	30.22
12H	4H	19.44	20.13	20.19	20.90	21.79	23.57	24.26	24.32	25.03	25.92
	6H	20.22	20.80	20.99	21.59	22.49	25.60	26.18	26.37	26.97	27.87
	8H	20.55	21.07	21.32	21.85	22.80	26.78	27.30	27.55	28.08	29.04