

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: P895500

Luminaire Tested: 8TMB-SC3-RND-UNV-CC83-MID-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-SC3-RND-UNV-CC83-MID-4000K
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 4000K CCT, MID lu setting
Light Source: -
Ballast/Driver: -

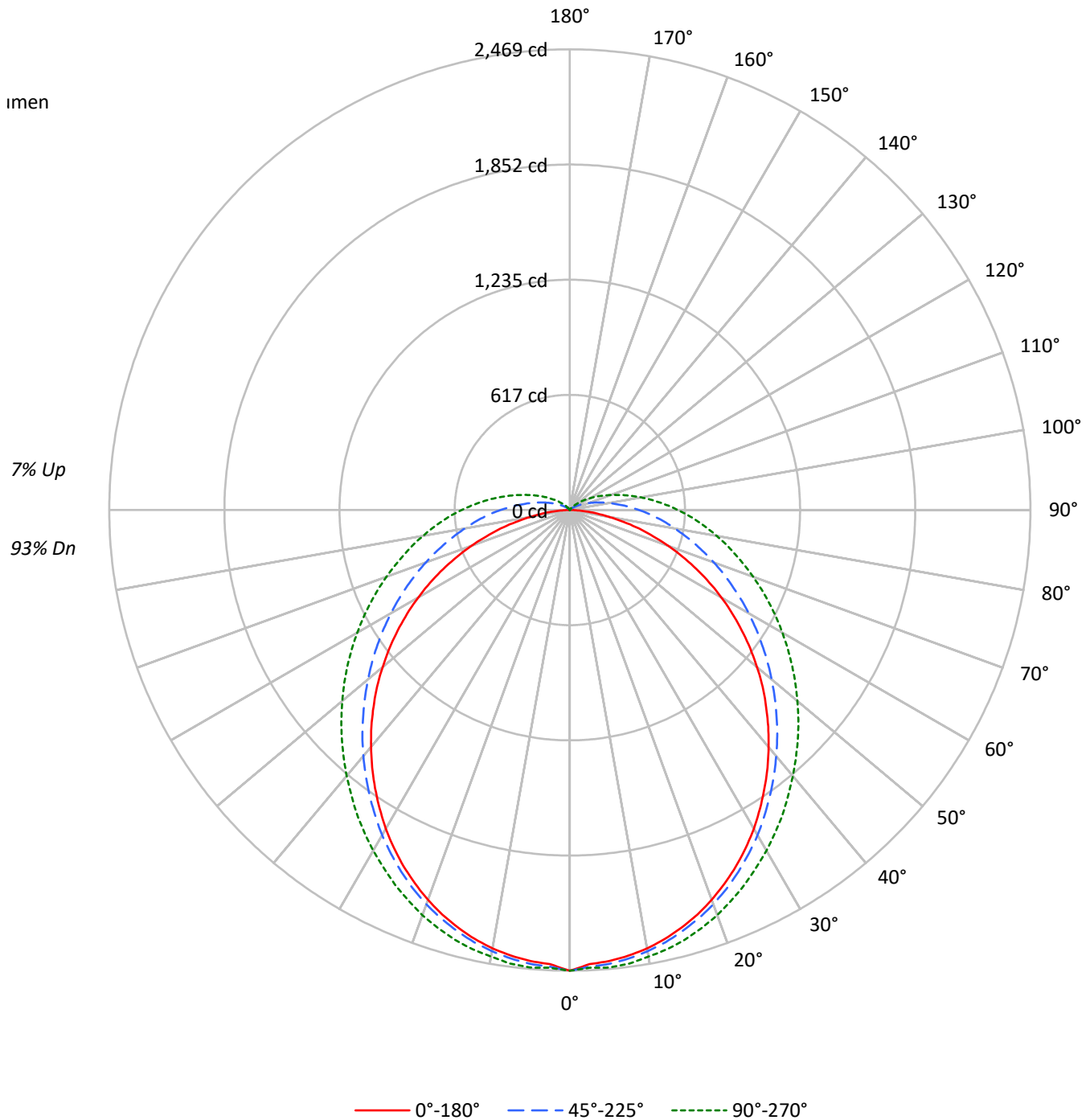
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8173.0 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 66.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9948
Total Harmonic Distortion (THDi): 5.65231997856897
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P895500
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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8760	8760	8760
5°	8642	8697	8766
10°	8596	8651	8756
15°	8508	8579	8756
20°	8396	8490	8724
25°	8251	8372	8675
30°	8081	8247	8635
35°	7882	8100	8619
40°	7677	7972	8616
45°	7464	7861	8676
50°	7230	7795	8787
55°	6967	7779	8999
60°	6663	7855	9336
65°	6293	8061	9893
70°	5832	8517	10842
75°	5270	9481	12579
80°	4461	11684	16342
85°	3619	19032	27996

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 51539 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	2.9
10°-20°	665.2	8.1
20°-30°	996.1	12.2
30°-40°	1187.7	14.5
40°-50°	1231.8	15.1
50°-60°	1142.8	14.0
60°-70°	953.4	11.7
70°-80°	710.8	8.7
80°-90°	473.3	5.8
90°-100°	288.1	3.5
100°-110°	160.9	2.0
110°-120°	80.4	1.0
120°-130°	33.6	0.4
130°-140°	10.6	0.1
140°-150°	2.6	0.0
150°-160°	1.2	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	1894.8	23.2
0°-40°	3082.5	37.7
0°-60°	5457.2	66.8
0°-90°	7594.6	92.9
90°-120°	529.4	6.5
90°-150°	576.1	7.0
90°-180°	578.0	7.1
0°-180°	8173.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2469	2469	2469	2469	2469	
5°	2426	2482	2442	2455	2461	230
15°	2316	2376	2336	2378	2384	653
25°	2108	2164	2138	2198	2216	970
35°	1820	1868	1870	1963	1990	1138
45°	1488	1526	1567	1690	1729	1148
55°	1126	1165	1258	1404	1455	1007
65°	750	809	960	1122	1178	742
75°	384	491	692	860	918	406
85°	89	243	468	628	688	100
90°	4	160	371	524	580	7
95°	0	98	286	429	479	0
105°	0	31	156	265	305	0
115°	2	8	73	149	178	2
125°	2	2	29	72	89	2
135°	2	2	8	25	33	1
145°	2	2	2	6	8	1
155°	4	4	2	2	2	2
165°	4	4	2	2	2	1
175°	4	4	4	2	0	0
180°	4	4	4	4	4	



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 CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-MID-4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2468.8	2468.8	2468.8	2468.8	2468.8	2468.8	2468.8	2468.8	2468.8	2468.8	2468.8
2.5°	2436.0	2439.9	2474.6	2472.7	2466.9	2490.1	2495.9	2476.6	2445.7	2476.6	2449.5
5°	2426.3	2430.2	2465.0	2463.1	2457.3	2482.4	2484.3	2466.9	2436.0	2466.9	2441.8
7.5°	2409.0	2412.8	2447.6	2445.7	2441.8	2466.9	2465.0	2451.5	2418.6	2451.5	2424.4
10°	2385.8	2387.7	2424.4	2420.6	2418.6	2443.7	2437.9	2426.3	2393.5	2426.3	2401.2
12.5°	2354.9	2356.8	2393.5	2389.6	2389.6	2412.8	2405.1	2395.4	2362.6	2393.5	2372.3
15°	2316.2	2318.2	2352.9	2351.0	2351.0	2376.1	2364.5	2356.8	2325.9	2358.7	2335.6
17.5°	2273.7	2271.8	2308.5	2304.6	2308.5	2331.7	2316.2	2312.4	2283.4	2314.3	2295.0
20°	2223.5	2223.5	2256.4	2254.4	2260.2	2281.5	2262.1	2264.1	2235.1	2267.9	2248.6
22.5°	2167.5	2165.6	2198.4	2198.4	2204.2	2225.4	2204.2	2210.0	2181.0	2211.9	2196.5
25°	2107.6	2103.7	2136.6	2136.6	2146.2	2163.6	2140.4	2148.2	2121.1	2152.0	2138.5
27.5°	2041.9	2036.1	2069.0	2070.9	2078.6	2096.0	2070.9	2082.5	2057.4	2086.4	2076.7
30°	1972.4	1966.6	1999.4	2001.4	2011.0	2024.5	1999.4	2014.9	1991.7	2020.7	2012.9
32.5°	1897.0	1893.2	1924.1	1927.9	1937.6	1947.3	1924.1	1939.5	1920.2	1949.2	1941.5
35°	1819.8	1815.9	1844.9	1850.7	1860.3	1868.1	1842.9	1864.2	1846.8	1873.9	1870.0
37.5°	1740.6	1734.8	1765.7	1769.5	1781.1	1785.0	1761.8	1786.9	1771.5	1798.5	1796.6
40°	1657.5	1651.7	1682.6	1686.5	1698.1	1698.1	1678.7	1705.8	1694.2	1719.3	1721.2
42.5°	1574.4	1568.6	1595.7	1603.4	1613.1	1613.1	1593.7	1622.7	1615.0	1640.1	1645.9
45°	1487.5	1481.7	1506.8	1514.5	1526.1	1526.1	1506.8	1539.7	1533.9	1559.0	1566.7
47.5°	1402.5	1394.8	1417.9	1425.7	1437.3	1435.3	1419.9	1452.7	1450.8	1475.9	1489.4
50°	1309.8	1304.0	1327.2	1334.9	1348.4	1344.5	1332.9	1367.7	1367.7	1392.8	1412.2
52.5°	1219.0	1213.2	1236.4	1244.1	1255.7	1255.7	1244.1	1280.8	1286.6	1311.7	1334.9
55°	1126.2	1118.5	1141.7	1149.4	1162.9	1164.9	1155.2	1191.9	1203.5	1232.5	1257.6
57.5°	1033.5	1029.7	1049.0	1056.7	1074.1	1074.1	1068.3	1106.9	1122.4	1153.3	1182.3
60°	938.9	935.0	952.4	962.0	981.4	985.2	981.4	1021.9	1043.2	1074.1	1106.9
62.5°	844.2	840.3	857.7	871.2	892.5	896.4	898.3	940.8	964.0	996.8	1033.5
65°	749.5	745.7	763.1	778.5	803.6	809.4	815.2	859.7	886.7	921.5	960.1
67.5°	654.9	653.0	670.3	689.7	716.7	724.4	734.1	780.5	811.4	848.1	890.6
70°	562.2	560.2	577.6	600.8	633.6	643.3	654.9	701.2	739.9	778.5	821.0
72.5°	469.4	471.4	490.7	517.7	554.4	564.1	579.5	627.8	670.3	710.9	755.3
75°	384.4	384.4	405.7	436.6	477.2	490.7	508.1	558.3	602.7	645.2	691.6
77.5°	297.5	297.5	322.6	361.2	405.7	419.2	440.5	492.6	540.9	583.4	629.8
80°	218.3	222.2	251.1	289.8	336.1	353.5	378.6	430.8	483.0	525.5	571.8
82.5°	148.7	154.5	185.5	229.9	276.2	293.6	318.7	374.8	426.9	471.4	519.7
85°	88.9	98.5	131.4	175.8	224.1	243.4	270.5	322.6	374.8	419.2	467.5
87.5°	40.6	54.1	88.9	133.3	179.7	200.9	224.1	274.3	326.5	370.9	421.1
90°	3.9	23.2	58.0	96.6	141.0	160.3	183.5	231.8	282.0	322.6	370.9
92.5°	0.0	9.7	34.8	69.5	108.2	127.5	148.7	195.1	239.5	280.1	326.5
95°	0.0	3.9	19.3	48.3	81.1	98.5	117.8	160.3	204.8	243.4	285.9
97.5°	0.0	1.9	11.6	32.8	59.9	75.3	92.7	131.4	171.9	208.6	247.3
100°	0.0	1.9	5.8	21.2	44.4	56.0	73.4	106.2	143.0	175.8	214.4
102.5°	0.0	0.0	3.9	13.5	32.8	42.5	56.0	85.0	117.8	148.7	183.5
105°	0.0	0.0	1.9	9.7	23.2	30.9	42.5	67.6	96.6	123.6	156.5
107.5°	0.0	0.0	1.9	5.8	15.5	23.2	32.8	52.2	77.3	102.4	131.4
110°	1.9	1.9	1.9	3.9	11.6	17.4	23.2	40.6	63.7	85.0	110.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.9	1.9	1.9	1.9	7.7	11.6	17.4	30.9	50.2	67.6	90.8
115°	1.9	1.9	1.9	1.9	5.8	7.7	11.6	23.2	38.6	54.1	73.4
117.5°	1.9	1.9	1.9	1.9	3.9	5.8	7.7	17.4	29.0	42.5	59.9
120°	1.9	1.9	1.9	1.9	1.9	3.9	5.8	11.6	23.2	32.8	48.3
122.5°	1.9	1.9	1.9	1.9	1.9	3.9	3.9	9.7	17.4	25.1	36.7
125°	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	11.6	19.3	29.0
127.5°	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	7.7	13.5	21.2
130°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	9.7	15.5
132.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	7.7	11.6
135°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	7.7
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9
145°	1.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	1.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
152.5°	3.9	3.9	3.9	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9
155°	3.9	3.9	3.9	3.9	3.9	3.9	1.9	1.9	1.9	1.9	1.9
157.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	1.9	1.9	1.9
160°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	1.9	1.9	1.9
162.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	1.9	1.9	1.9
165°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	1.9	1.9
167.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	1.9
170°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
172.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	1.9
175°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
177.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
180°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2468.8	2468.8	2468.8	2468.8	2468.8	2468.8	2468.8	2468.8	2468.8	2468.8
2.5°	2457.3	2463.1	2468.8	2453.4	2463.1	2480.4	2486.2	2463.1	2470.8	2455.3
5°	2449.5	2453.4	2461.1	2441.8	2455.3	2470.8	2480.4	2461.1	2472.7	2461.1
7.5°	2434.1	2437.9	2447.6	2428.3	2445.7	2459.2	2470.8	2451.5	2463.1	2451.5
10°	2410.9	2416.7	2430.2	2407.0	2428.3	2439.9	2451.5	2430.2	2441.8	2430.2
12.5°	2381.9	2391.6	2403.2	2381.9	2403.2	2412.8	2428.3	2407.0	2420.6	2410.9
15°	2347.1	2356.8	2372.3	2351.0	2378.1	2385.8	2401.2	2380.0	2393.5	2383.8
17.5°	2306.6	2318.2	2337.5	2312.4	2343.3	2349.1	2364.5	2345.2	2358.7	2349.1
20°	2260.2	2271.8	2291.1	2267.9	2298.9	2302.7	2320.1	2302.7	2316.2	2310.4
22.5°	2206.1	2219.6	2239.0	2217.7	2250.6	2250.6	2271.8	2254.4	2269.9	2264.1
25°	2150.1	2165.6	2186.8	2163.6	2198.4	2198.4	2221.6	2204.2	2219.6	2215.8
27.5°	2090.2	2107.6	2132.7	2109.5	2144.3	2142.4	2165.6	2150.1	2167.5	2161.7
30°	2026.5	2045.8	2070.9	2051.6	2088.3	2084.4	2107.6	2094.1	2109.5	2107.6
32.5°	1956.9	1978.2	2009.1	1987.8	2024.5	2020.7	2049.6	2034.2	2053.5	2049.6
35°	1887.4	1910.6	1941.5	1922.1	1962.7	1956.9	1985.9	1972.4	1991.7	1989.8
37.5°	1815.9	1841.0	1871.9	1856.5	1895.1	1889.3	1920.2	1908.6	1929.9	1924.1
40°	1742.5	1767.6	1800.4	1786.9	1827.5	1819.8	1852.6	1842.9	1864.2	1860.3
42.5°	1669.1	1696.1	1729.0	1721.2	1759.9	1752.1	1785.0	1777.3	1798.5	1794.6
45°	1593.7	1622.7	1657.5	1649.8	1690.3	1682.6	1715.4	1709.6	1730.9	1729.0
47.5°	1518.4	1549.3	1584.1	1580.2	1618.9	1611.1	1645.9	1640.1	1661.4	1661.4
50°	1441.1	1475.9	1510.7	1508.7	1547.4	1539.7	1570.6	1570.6	1593.7	1591.8
52.5°	1363.9	1400.6	1437.3	1437.3	1475.9	1468.2	1502.9	1501.0	1524.2	1524.2
55°	1290.4	1323.3	1360.0	1367.7	1404.4	1392.8	1429.5	1433.4	1452.7	1454.7
57.5°	1217.0	1251.8	1288.5	1298.2	1332.9	1325.2	1360.0	1363.9	1383.2	1385.1
60°	1143.6	1176.5	1213.2	1226.7	1261.5	1253.7	1288.5	1292.4	1313.6	1315.6
62.5°	1070.2	1103.1	1143.6	1157.2	1190.0	1184.2	1220.9	1224.8	1244.1	1247.9
65°	998.7	1033.5	1072.2	1091.5	1122.4	1114.7	1151.4	1155.2	1176.5	1178.4
67.5°	929.2	964.0	1002.6	1023.9	1052.8	1049.0	1083.7	1091.5	1108.9	1112.7
70°	861.6	896.4	936.9	958.2	987.2	985.2	1018.1	1023.9	1043.2	1045.1
72.5°	795.9	830.7	871.2	896.4	921.5	919.5	952.4	960.1	979.4	981.4
75°	732.2	768.9	807.5	834.5	859.7	857.7	890.6	898.3	915.7	917.6
77.5°	672.3	709.0	749.5	776.6	797.8	799.8	828.7	836.5	853.9	859.7
80°	616.2	651.0	689.7	718.6	738.0	741.8	768.9	778.5	792.0	799.8
82.5°	562.2	596.9	635.6	662.6	681.9	685.8	710.9	722.5	736.0	741.8
85°	510.0	544.8	581.5	610.5	627.8	629.8	654.9	666.5	678.1	687.7
87.5°	459.8	494.5	529.3	560.2	575.7	579.5	602.7	614.3	624.0	633.6
90°	409.5	444.3	479.1	508.1	523.5	525.5	550.6	562.2	571.8	579.5
92.5°	363.2	398.0	432.7	461.7	475.2	479.1	500.3	513.9	521.6	529.3
95°	318.7	353.5	384.4	415.3	428.9	434.7	454.0	465.6	475.2	479.1
97.5°	280.1	311.0	340.0	370.9	382.5	388.3	407.6	421.1	428.9	432.7
100°	243.4	272.4	299.4	328.4	340.0	345.8	363.2	374.8	382.5	388.3
102.5°	210.6	237.6	262.7	289.8	301.4	305.2	320.7	332.3	340.0	345.8
105°	181.6	206.7	229.9	255.0	264.7	270.5	284.0	293.6	301.4	305.2
107.5°	154.5	179.7	199.0	222.2	231.8	235.7	249.2	260.8	266.6	268.5
110°	131.4	152.6	171.9	191.2	202.8	206.7	218.3	228.0	233.7	235.7



TEST NUMBER: P895500
 CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-MID-4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	110.1	129.4	146.8	164.2	173.9	177.7	189.3	199.0	202.8	204.8
115°	90.8	110.1	123.6	141.0	148.7	152.6	162.3	171.9	173.9	177.7
117.5°	73.4	90.8	104.3	117.8	125.6	129.4	137.2	144.9	148.7	150.7
120°	59.9	73.4	85.0	98.5	104.3	108.2	115.9	123.6	125.6	127.5
122.5°	48.3	59.9	69.5	81.1	86.9	90.8	96.6	102.4	104.3	106.2
125°	36.7	48.3	56.0	65.7	71.5	73.4	79.2	85.0	86.9	88.9
127.5°	29.0	36.7	44.4	52.2	56.0	58.0	63.7	67.6	69.5	71.5
130°	21.2	27.0	32.8	40.6	44.4	46.4	50.2	54.1	56.0	56.0
132.5°	15.5	21.2	25.1	30.9	32.8	34.8	38.6	42.5	42.5	44.4
135°	9.7	13.5	17.4	21.2	25.1	25.1	29.0	30.9	32.8	32.8
137.5°	7.7	9.7	11.6	15.5	17.4	19.3	19.3	23.2	23.2	23.2
140°	5.8	7.7	7.7	9.7	11.6	13.5	13.5	15.5	15.5	15.5
142.5°	3.9	5.8	5.8	7.7	7.7	9.7	9.7	9.7	11.6	11.6
145°	3.9	3.9	3.9	5.8	5.8	5.8	5.8	7.7	7.7	7.7
147.5°	1.9	1.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8
150°	1.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9	3.9	3.9
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
155°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
157.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
160°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
167.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
170°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
172.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
175°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0
177.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0
180°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9



TEST NUMBER: P895500
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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	17.83	19.36	18.30	19.82	20.31	19.40	20.93	19.87	21.39	21.88
	3H	19.50	20.91	19.99	21.37	21.90	22.02	23.43	22.51	23.89	24.42
	4H	20.10	21.43	20.61	21.92	22.46	23.34	24.67	23.84	25.15	25.69
	6H	20.50	21.74	21.02	22.24	22.80	24.74	25.98	25.26	26.48	27.04
	8H	20.62	21.81	21.15	22.33	22.89	25.49	26.68	26.02	27.20	27.76
	12H	20.69	21.83	21.23	22.35	22.94	26.34	27.48	26.88	28.00	28.59
4H	2H	18.76	20.09	19.26	20.57	21.11	19.95	21.28	20.45	21.77	22.31
	3H	20.73	21.87	21.25	22.40	22.96	22.87	24.00	23.38	24.53	25.09
	4H	21.51	22.55	22.05	23.09	23.68	24.39	25.43	24.93	25.97	26.57
	6H	22.09	23.01	22.65	23.58	24.18	26.03	26.95	26.59	27.52	28.13
	8H	22.27	23.14	22.83	23.70	24.33	26.92	27.78	27.48	28.35	28.97
	12H	22.40	23.18	22.98	23.78	24.40	27.92	28.71	28.50	29.30	29.93
8H	4H	22.39	23.26	22.95	23.82	24.44	24.75	25.62	25.31	26.18	26.80
	6H	23.27	24.01	23.86	24.61	25.24	26.65	27.39	27.25	28.00	28.62
	8H	23.62	24.28	24.22	24.90	25.54	27.74	28.40	28.34	29.02	29.66
	12H	23.89	24.49	24.50	25.09	25.80	29.00	29.60	29.61	30.20	30.91
12H	4H	22.67	23.45	23.25	24.05	24.67	24.79	25.58	25.38	26.17	26.80
	6H	23.72	24.39	24.33	25.00	25.64	26.76	27.43	27.37	28.05	28.69
	8H	24.24	24.83	24.85	25.44	26.14	27.96	28.55	28.57	29.16	29.87