

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: P894390

Luminaire Tested: 8TMB-10SL-FLTU-UNV-L835

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-10SL-FLTU-UNV-L835
Description: 10000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 35
Light Source: -
Ballast/Driver: -

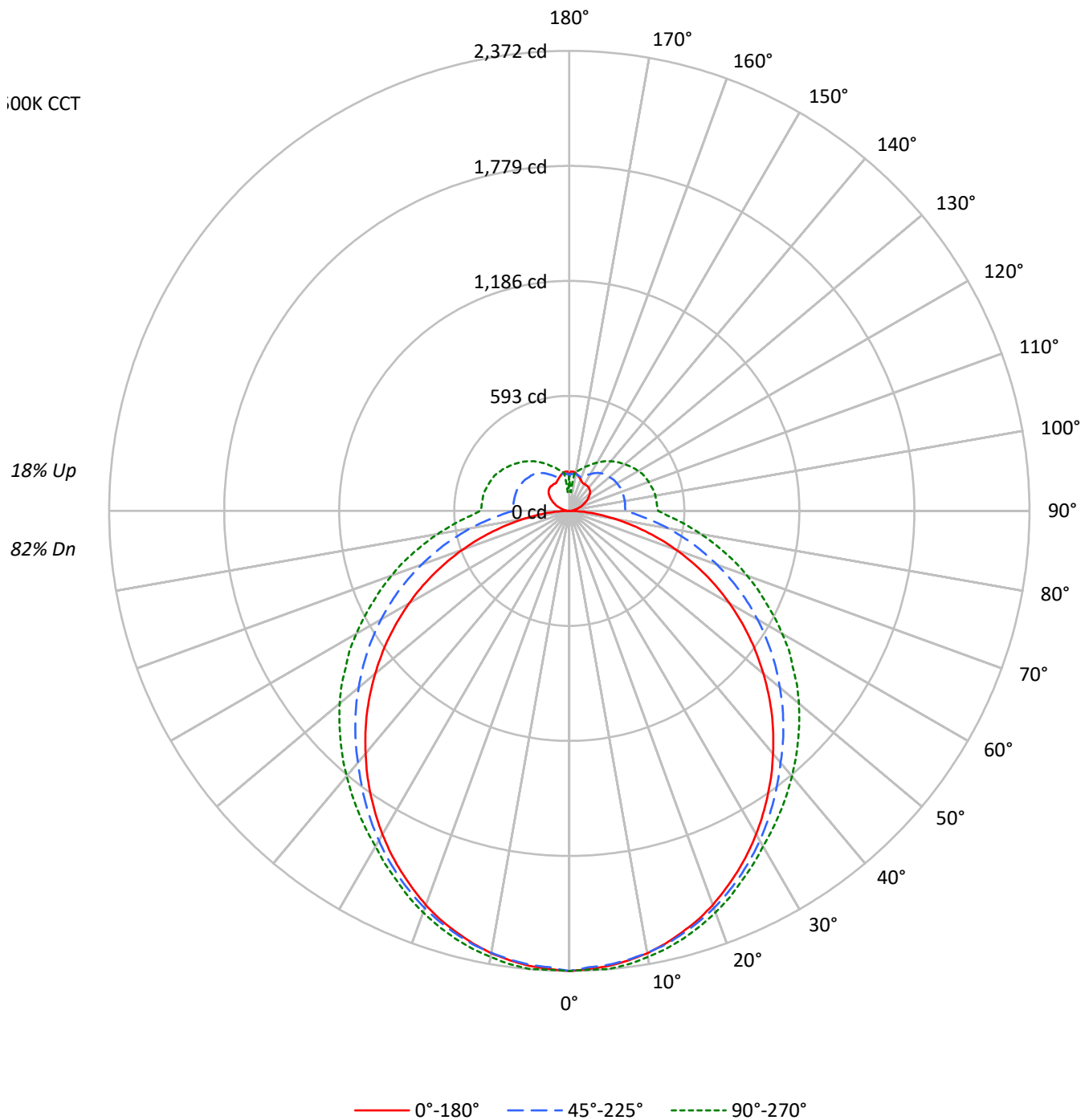
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8969.1 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 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): 70
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 5.63
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 8TMB-10SL-FLTU-UNV-L835

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8418	8418	8418
5°	8369	8078	8056
10°	8306	7780	7673
15°	8204	7479	7308
20°	8088	7170	6937
25°	7936	6847	6560
30°	7774	6516	6217
35°	7594	6182	5935
40°	7404	5854	5665
45°	7215	5568	5408
50°	6994	5272	5159
55°	6757	4980	4880
60°	6472	4667	4615
65°	6132	4337	4315
70°	5684	3974	4037
75°	5062	3602	3736
80°	4241	3204	3427
85°	3192	2799	3146

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7215 cd/sqm



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 CATALOG NUMBER: 8TMB-10SL-FLTU-UNV-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.3	2.5
10°-20°	639.9	7.1
20°-30°	961.4	10.7
30°-40°	1154.4	12.9
40°-50°	1213.9	13.5
50°-60°	1140.5	12.7
60°-70°	948.4	10.6
70°-80°	676.7	7.5
80°-90°	402.8	4.5
90°-100°	291.6	3.3
100°-110°	287.7	3.2
110°-120°	270.3	3.0
120°-130°	239.5	2.7
130°-140°	198.5	2.2
140°-150°	148.6	1.7
150°-160°	97.7	1.1
160°-170°	55.4	0.6
170°-180°	17.7	0.2
0°-30°	1825.6	20.4
0°-40°	2980.0	33.2
0°-60°	5334.3	59.5
0°-90°	7362.2	82.1
90°-120°	849.6	9.5
90°-150°	1436.1	16.0
90°-180°	1607.0	17.9
0°-180°	8969.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2372	2372	2372	2372	2372	
5°	2355	2383	2349	2355	2370	224
15°	2249	2284	2258	2273	2282	634
25°	2052	2091	2080	2100	2104	945
35°	1785	1826	1833	1878	1896	1117
45°	1476	1517	1560	1640	1668	1137
55°	1133	1179	1272	1376	1406	1012
65°	771	834	966	1088	1118	763
75°	405	496	661	789	830	430
85°	102	223	388	518	561	111
90°	0	128	288	414	457	7
95°	11	134	288	410	453	12
105°	41	150	290	405	444	44
115°	80	162	288	388	427	80
125°	121	173	280	364	392	108
135°	150	182	264	332	355	115
145°	158	178	238	295	312	99
155°	160	180	202	249	264	75
165°	184	195	188	191	221	52
175°	204	202	191	162	98	19
180°	178	178	178	178	178	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5
2.5°	2363.8	2370.3	2372.5	2394.1	2385.5	2394.1	2379.0	2361.6	2357.3	2368.1	2355.1
5°	2355.1	2361.6	2363.8	2385.5	2376.8	2383.3	2370.3	2353.0	2348.6	2361.6	2348.6
7.5°	2337.8	2344.3	2346.5	2370.3	2359.5	2368.1	2353.0	2335.6	2333.5	2346.5	2333.5
10°	2316.1	2322.6	2324.8	2346.5	2337.8	2346.5	2331.3	2314.0	2311.8	2327.0	2314.0
12.5°	2285.8	2292.3	2296.6	2318.3	2307.5	2318.3	2301.0	2283.6	2285.8	2298.8	2290.1
15°	2249.0	2257.6	2259.8	2281.5	2272.8	2283.6	2266.3	2249.0	2253.3	2266.3	2257.6
17.5°	2210.0	2218.6	2220.8	2240.3	2231.6	2244.6	2225.1	2210.0	2214.3	2227.3	2220.8
20°	2162.3	2171.0	2175.3	2194.8	2186.1	2199.1	2179.6	2166.6	2171.0	2186.1	2179.6
22.5°	2108.1	2121.1	2123.3	2145.0	2134.1	2147.1	2127.6	2116.8	2123.3	2138.5	2132.0
25°	2051.8	2064.8	2067.0	2088.6	2080.0	2090.8	2071.3	2060.5	2069.1	2084.3	2080.0
27.5°	1991.1	2004.1	2008.5	2028.0	2019.3	2032.3	2010.6	2004.1	2012.8	2028.0	2023.6
30°	1926.1	1939.1	1941.3	1960.8	1954.3	1967.3	1947.8	1939.1	1952.1	1967.3	1963.0
32.5°	1856.8	1869.8	1876.3	1893.6	1887.1	1898.0	1880.6	1876.3	1887.1	1902.3	1900.1
35°	1785.3	1798.3	1804.8	1824.3	1815.6	1826.5	1809.1	1804.8	1822.1	1833.0	1833.0
37.5°	1711.6	1724.6	1731.1	1750.6	1739.8	1752.8	1735.5	1733.3	1752.8	1763.6	1763.6
40°	1633.6	1648.8	1655.3	1672.6	1664.0	1674.8	1659.6	1661.8	1679.1	1692.1	1694.3
42.5°	1555.6	1570.8	1577.3	1596.8	1586.0	1596.8	1583.8	1586.0	1605.5	1618.5	1629.3
45°	1475.5	1488.5	1495.0	1516.6	1503.6	1516.6	1503.6	1508.0	1527.5	1547.0	1560.0
47.5°	1391.0	1404.0	1414.8	1432.1	1421.3	1432.1	1423.5	1430.0	1453.8	1473.3	1490.6
50°	1306.5	1319.5	1330.3	1345.5	1334.6	1349.8	1339.0	1347.6	1378.0	1397.5	1417.0
52.5°	1219.8	1230.6	1248.0	1256.6	1248.0	1265.3	1256.6	1269.6	1300.0	1323.8	1345.5
55°	1133.1	1144.0	1161.3	1167.8	1159.1	1178.6	1172.1	1189.5	1222.0	1248.0	1271.8
57.5°	1044.3	1055.1	1070.3	1076.8	1070.3	1092.0	1089.8	1109.3	1141.8	1170.0	1196.0
60°	953.3	964.1	977.1	983.6	983.6	1005.3	1005.3	1029.1	1063.8	1089.8	1120.1
62.5°	864.5	871.0	884.0	892.6	899.1	920.8	920.8	946.8	983.6	1014.0	1044.3
65°	771.3	777.8	788.7	799.5	810.3	834.1	836.3	864.5	901.3	931.6	966.3
67.5°	678.2	684.7	695.5	708.5	723.7	747.5	751.8	782.2	821.2	855.8	888.3
70°	587.2	589.3	602.3	619.7	637.0	660.8	667.3	699.8	741.0	775.7	810.3
72.5°	496.2	498.3	511.3	533.0	552.5	578.5	587.2	621.8	663.0	697.7	732.3
75°	405.2	407.3	424.7	450.7	472.3	496.2	507.0	543.8	585.0	621.8	660.8
77.5°	318.5	322.8	340.2	366.2	392.2	420.3	431.2	468.0	513.5	548.2	585.0
80°	238.3	242.7	262.2	290.3	318.5	344.5	357.5	394.3	442.0	476.7	517.8
82.5°	164.7	171.2	195.0	225.3	253.5	281.7	294.7	329.3	372.7	411.7	450.7
85°	101.8	110.5	134.3	166.8	197.2	223.2	236.2	273.0	314.2	351.0	387.8
87.5°	47.7	60.7	84.5	117.0	149.5	171.2	186.3	223.2	262.2	299.0	335.8
90°	0.0	19.5	43.3	75.8	108.3	127.8	145.2	179.8	218.8	253.5	288.2
92.5°	4.3	21.7	47.7	78.0	110.5	130.0	147.3	182.0	218.8	253.5	288.2
95°	10.8	23.8	49.8	82.3	114.8	134.3	149.5	184.2	221.0	255.7	288.2
97.5°	19.5	30.3	56.3	86.7	119.2	136.5	153.8	188.5	223.2	257.8	290.3
100°	26.0	34.7	60.7	91.0	123.5	140.8	158.2	190.7	225.3	260.0	290.3
102.5°	32.5	43.3	67.2	95.3	127.8	145.2	160.3	192.8	227.5	260.0	290.3
105°	41.2	49.8	71.5	101.8	132.2	149.5	164.7	197.2	229.7	262.2	290.3
107.5°	49.8	56.3	78.0	106.2	136.5	151.7	166.8	199.3	231.8	262.2	290.3
110°	60.7	65.0	84.5	110.5	138.7	156.0	171.2	201.5	231.8	262.2	290.3



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 CATALOG NUMBER: 8TMB-10SL-FLTU-UNV-L835

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	71.5	71.5	91.0	114.8	143.0	158.2	173.3	203.7	234.0	262.2	290.3
115°	80.2	82.3	97.5	119.2	147.3	162.5	175.5	203.7	234.0	262.2	288.2
117.5°	91.0	91.0	106.2	123.5	149.5	164.7	179.8	205.8	234.0	260.0	286.0
120°	101.8	99.7	112.7	130.0	153.8	166.8	182.0	208.0	234.0	260.0	283.8
122.5°	112.7	108.3	117.0	134.3	156.0	171.2	182.0	208.0	234.0	257.8	281.7
125°	121.3	117.0	123.5	140.8	160.3	173.3	184.2	208.0	234.0	255.7	279.5
127.5°	130.0	125.7	132.2	145.2	162.5	173.3	186.3	208.0	234.0	253.5	275.2
130°	138.7	132.2	140.8	149.5	166.8	175.5	186.3	208.0	231.8	251.3	270.8
132.5°	145.2	138.7	147.3	153.8	169.0	177.7	188.5	208.0	229.7	249.2	268.7
135°	149.5	143.0	153.8	158.2	173.3	182.0	190.7	208.0	227.5	247.0	264.3
137.5°	153.8	145.2	158.2	162.5	175.5	184.2	190.7	205.8	225.3	242.7	260.0
140°	156.0	149.5	162.5	166.8	173.3	182.0	190.7	203.7	221.0	238.3	253.5
142.5°	158.2	149.5	164.7	169.0	173.3	179.8	188.5	199.3	216.7	231.8	247.0
145°	158.2	151.7	164.7	169.0	173.3	177.7	184.2	197.2	210.2	223.2	238.3
147.5°	158.2	153.8	166.8	171.2	175.5	175.5	179.8	192.8	203.7	216.7	229.7
150°	160.3	153.8	166.8	171.2	177.7	177.7	179.8	186.3	199.3	208.0	218.8
152.5°	158.2	156.0	164.7	173.3	177.7	179.8	179.8	182.0	192.8	201.5	210.2
155°	160.3	160.3	166.8	177.7	179.8	179.8	182.0	179.8	184.2	192.8	201.5
157.5°	164.7	169.0	169.0	179.8	184.2	184.2	186.3	184.2	182.0	184.2	192.8
160°	171.2	175.5	175.5	182.0	188.5	188.5	190.7	188.5	186.3	184.2	184.2
162.5°	177.7	182.0	182.0	184.2	190.7	192.8	195.0	192.8	190.7	186.3	184.2
165°	184.2	188.5	188.5	188.5	192.8	195.0	197.2	195.0	195.0	190.7	188.5
167.5°	190.7	195.0	195.0	192.8	195.0	197.2	199.3	197.2	197.2	195.0	190.7
170°	197.2	201.5	201.5	197.2	199.3	199.3	201.5	199.3	199.3	195.0	192.8
172.5°	201.5	205.8	203.7	201.5	201.5	201.5	201.5	199.3	197.2	192.8	192.8
175°	203.7	208.0	208.0	203.7	201.5	201.5	203.7	199.3	197.2	195.0	190.7
177.5°	203.7	208.0	208.0	203.7	203.7	201.5	203.7	201.5	201.5	197.2	192.8
180°	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5	2372.5
2.5°	2363.8	2361.6	2348.6	2363.8	2363.8	2359.5	2376.8	2374.6	2372.5	2368.1
5°	2355.1	2353.0	2340.0	2355.1	2355.1	2353.0	2370.3	2372.5	2374.6	2370.3
7.5°	2342.1	2340.0	2327.0	2342.1	2342.1	2340.0	2359.5	2361.6	2363.8	2357.3
10°	2322.6	2320.5	2307.5	2322.6	2324.8	2322.6	2337.8	2340.0	2344.3	2335.6
12.5°	2296.6	2296.6	2283.6	2298.8	2301.0	2298.8	2314.0	2318.3	2322.6	2311.8
15°	2264.1	2266.3	2255.5	2270.6	2272.8	2272.8	2288.0	2290.1	2296.6	2281.5
17.5°	2225.1	2229.5	2220.8	2236.0	2238.1	2240.3	2249.0	2255.5	2262.0	2244.6
20°	2184.0	2186.1	2179.6	2192.6	2197.0	2194.8	2205.6	2214.3	2220.8	2203.5
22.5°	2134.1	2136.3	2129.8	2142.8	2147.1	2149.3	2158.0	2168.8	2173.1	2158.0
25°	2077.8	2086.5	2082.1	2095.1	2099.5	2099.5	2108.1	2119.0	2125.5	2103.8
27.5°	2023.6	2034.5	2030.1	2043.1	2047.5	2049.6	2054.0	2067.0	2073.5	2054.0
30°	1963.0	1976.0	1973.8	1986.8	1991.1	1989.0	1997.6	2010.6	2019.3	1997.6
32.5°	1895.8	1913.1	1911.0	1928.3	1932.6	1934.8	1941.3	1958.6	1967.3	1947.8
35°	1830.8	1850.3	1852.5	1872.0	1878.5	1880.6	1889.3	1906.6	1915.3	1895.8
37.5°	1763.6	1789.6	1796.1	1815.6	1822.1	1824.3	1833.0	1852.5	1861.1	1841.6
40°	1698.6	1729.0	1737.6	1755.0	1761.5	1768.0	1774.5	1794.0	1804.8	1785.3
42.5°	1633.6	1666.1	1677.0	1694.3	1700.8	1707.3	1716.0	1737.6	1746.3	1729.0
45°	1566.5	1601.1	1614.1	1631.5	1640.1	1646.6	1655.3	1674.8	1685.6	1668.3
47.5°	1499.3	1534.0	1547.0	1566.5	1575.1	1583.8	1590.3	1614.1	1625.0	1607.6
50°	1427.8	1466.8	1482.0	1499.3	1512.3	1518.8	1527.5	1549.1	1560.0	1544.8
52.5°	1356.3	1397.5	1414.8	1432.1	1445.1	1456.0	1460.3	1484.1	1495.0	1479.8
55°	1282.6	1323.8	1343.3	1362.8	1375.8	1388.8	1393.1	1417.0	1427.8	1406.1
57.5°	1209.0	1252.3	1271.8	1293.5	1304.3	1319.5	1326.0	1347.6	1358.5	1343.3
60°	1135.3	1176.5	1200.3	1219.8	1235.0	1248.0	1252.3	1276.1	1287.0	1267.5
62.5°	1059.5	1102.8	1126.6	1148.3	1161.3	1176.5	1183.0	1204.6	1213.3	1193.8
65°	981.5	1024.8	1050.8	1070.3	1087.6	1100.6	1105.0	1128.8	1137.5	1118.0
67.5°	903.5	946.8	975.0	996.6	1011.8	1027.0	1031.3	1055.1	1063.8	1048.6
70°	827.7	871.0	899.1	925.1	936.0	951.1	957.6	979.3	988.0	975.0
72.5°	751.8	795.2	825.5	851.5	862.3	877.5	886.1	903.5	916.5	905.6
75°	678.2	721.5	751.8	777.8	788.7	803.8	812.5	829.8	838.5	829.8
77.5°	606.7	650.0	678.2	704.2	717.2	730.2	738.8	756.2	767.0	758.3
80°	537.3	580.7	608.8	632.7	645.7	658.7	667.3	686.8	695.5	689.0
82.5°	472.3	513.5	543.8	567.7	580.7	593.7	602.3	619.7	630.5	621.8
85°	413.8	455.0	483.2	507.0	517.8	530.8	539.5	556.8	565.5	561.2
87.5°	357.5	394.3	426.8	450.7	461.5	474.5	485.3	498.3	509.2	502.7
90°	314.2	346.7	377.0	400.8	413.8	426.8	439.8	452.8	461.5	457.2
92.5°	316.3	346.7	374.8	396.5	409.5	422.5	435.5	450.7	457.2	452.8
95°	316.3	346.7	374.8	396.5	409.5	422.5	435.5	450.7	457.2	452.8
97.5°	316.3	346.7	374.8	396.5	409.5	422.5	435.5	450.7	457.2	450.7
100°	316.3	346.7	374.8	396.5	409.5	420.3	433.3	448.5	455.0	450.7
102.5°	316.3	346.7	372.7	394.3	407.3	418.2	431.2	446.3	452.8	448.5
105°	316.3	344.5	372.7	392.2	405.2	416.0	429.0	442.0	448.5	444.2
107.5°	314.2	342.3	368.3	390.0	400.8	411.7	424.7	437.7	444.2	439.8
110°	314.2	340.2	366.2	385.7	396.5	407.3	420.3	433.3	439.8	435.5



TEST NUMBER: P894390
 CATALOG NUMBER: 8TMB-10SL-FLTU-UNV-L835

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	312.0	338.0	364.0	381.3	392.2	403.0	413.8	429.0	435.5	431.2
115°	309.8	335.8	359.7	377.0	387.8	396.5	409.5	424.7	429.0	426.8
117.5°	307.7	331.5	355.3	372.7	383.5	392.2	403.0	416.0	422.5	420.3
120°	305.5	327.2	351.0	366.2	377.0	385.7	394.3	407.3	413.8	409.5
122.5°	301.2	322.8	346.7	361.8	370.5	379.2	387.8	398.7	405.2	403.0
125°	296.8	318.5	340.2	355.3	364.0	370.5	379.2	390.0	394.3	392.2
127.5°	292.5	314.2	333.7	346.7	357.5	364.0	370.5	381.3	385.7	383.5
130°	288.2	307.7	327.2	340.2	348.8	355.3	361.8	372.7	374.8	374.8
132.5°	283.8	301.2	320.7	333.7	342.3	346.7	353.2	361.8	366.2	364.0
135°	279.5	294.7	314.2	325.0	331.5	338.0	344.5	353.2	355.3	355.3
137.5°	273.0	288.2	305.5	316.3	322.8	327.2	333.7	342.3	344.5	344.5
140°	266.5	281.7	296.8	305.5	314.2	318.5	322.8	331.5	333.7	333.7
142.5°	260.0	273.0	288.2	296.8	305.5	307.7	314.2	320.7	322.8	322.8
145°	251.3	266.5	279.5	288.2	294.7	296.8	303.3	309.8	309.8	312.0
147.5°	240.5	253.5	270.8	277.3	283.8	286.0	292.5	296.8	299.0	299.0
150°	229.7	242.7	257.8	268.7	275.2	277.3	279.5	286.0	286.0	288.2
152.5°	218.8	229.7	244.8	255.7	264.3	266.5	268.7	273.0	273.0	275.2
155°	208.0	216.7	229.7	240.5	249.2	253.5	257.8	262.2	262.2	264.3
157.5°	199.3	208.0	218.8	227.5	234.0	240.5	247.0	251.3	251.3	251.3
160°	188.5	195.0	205.8	212.3	221.0	225.3	236.2	240.5	240.5	242.7
162.5°	182.0	184.2	190.7	197.2	203.7	208.0	218.8	229.7	229.7	231.8
165°	184.2	182.0	184.2	186.3	190.7	192.8	199.3	214.5	218.8	221.0
167.5°	188.5	182.0	182.0	182.0	186.3	186.3	192.8	201.5	216.7	212.3
170°	188.5	182.0	177.7	177.7	179.8	177.7	182.0	188.5	197.2	205.8
172.5°	190.7	184.2	177.7	169.0	171.2	169.0	164.7	164.7	166.8	195.0
175°	188.5	184.2	175.5	164.7	162.5	156.0	143.0	132.2	125.7	97.5
177.5°	186.3	179.8	173.3	164.7	160.3	153.8	138.7	121.3	104.0	99.7
180°	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7	177.7



TEST NUMBER: P894390
 CATALOG NUMBER: 8TMB-10SL-FLTU-UNV-L835

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	15.11	16.43	15.72	17.06	17.78	17.74	19.06	18.35	19.69	20.41
	3H	16.51	17.71	17.14	18.35	19.11	20.20	21.40	20.83	22.04	22.80
	4H	16.94	18.08	17.59	18.73	19.50	21.37	22.51	22.02	23.16	23.93
	6H	17.18	18.23	17.84	18.90	19.68	22.55	23.61	23.21	24.27	25.06
	8H	17.22	18.23	17.89	18.92	19.71	23.14	24.15	23.81	24.84	25.63
	12H	17.23	18.20	17.91	18.88	19.70	23.77	24.74	24.45	25.42	26.24
4H	2H	16.01	17.15	16.66	17.80	18.57	18.08	19.22	18.73	19.88	20.64
	3H	17.63	18.60	18.30	19.29	20.08	20.75	21.71	21.41	22.40	23.19
	4H	18.19	19.07	18.87	19.77	20.59	22.06	22.95	22.74	23.64	24.46
	6H	18.53	19.30	19.22	20.03	20.85	23.41	24.19	24.11	24.91	25.74
	8H	18.60	19.33	19.31	20.05	20.89	24.10	24.84	24.81	25.55	26.39
	12H	18.63	19.30	19.36	20.04	20.88	24.86	25.52	25.58	26.26	27.11
8H	4H	18.85	19.58	19.55	20.30	21.14	22.21	22.94	22.91	23.66	24.50
	6H	19.36	19.97	20.09	20.73	21.58	23.70	24.32	24.44	25.08	25.92
	8H	19.51	20.07	20.25	20.83	21.68	24.51	25.07	25.26	25.83	26.69
	12H	19.60	20.09	20.35	20.85	21.76	25.42	25.92	26.17	26.67	27.59
12H	4H	19.02	19.69	19.75	20.43	21.28	22.20	22.86	22.92	23.61	24.45
	6H	19.62	20.18	20.37	20.94	21.80	23.72	24.28	24.46	25.04	25.90
	8H	19.86	20.35	20.60	21.10	22.02	24.58	25.08	25.33	25.83	26.75