

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: P895402

Luminaire Tested: 8TMB-SC3-FLT-UNV-CC93-MID-5000K

Issue Date: 11/11/2024

**Test Information**

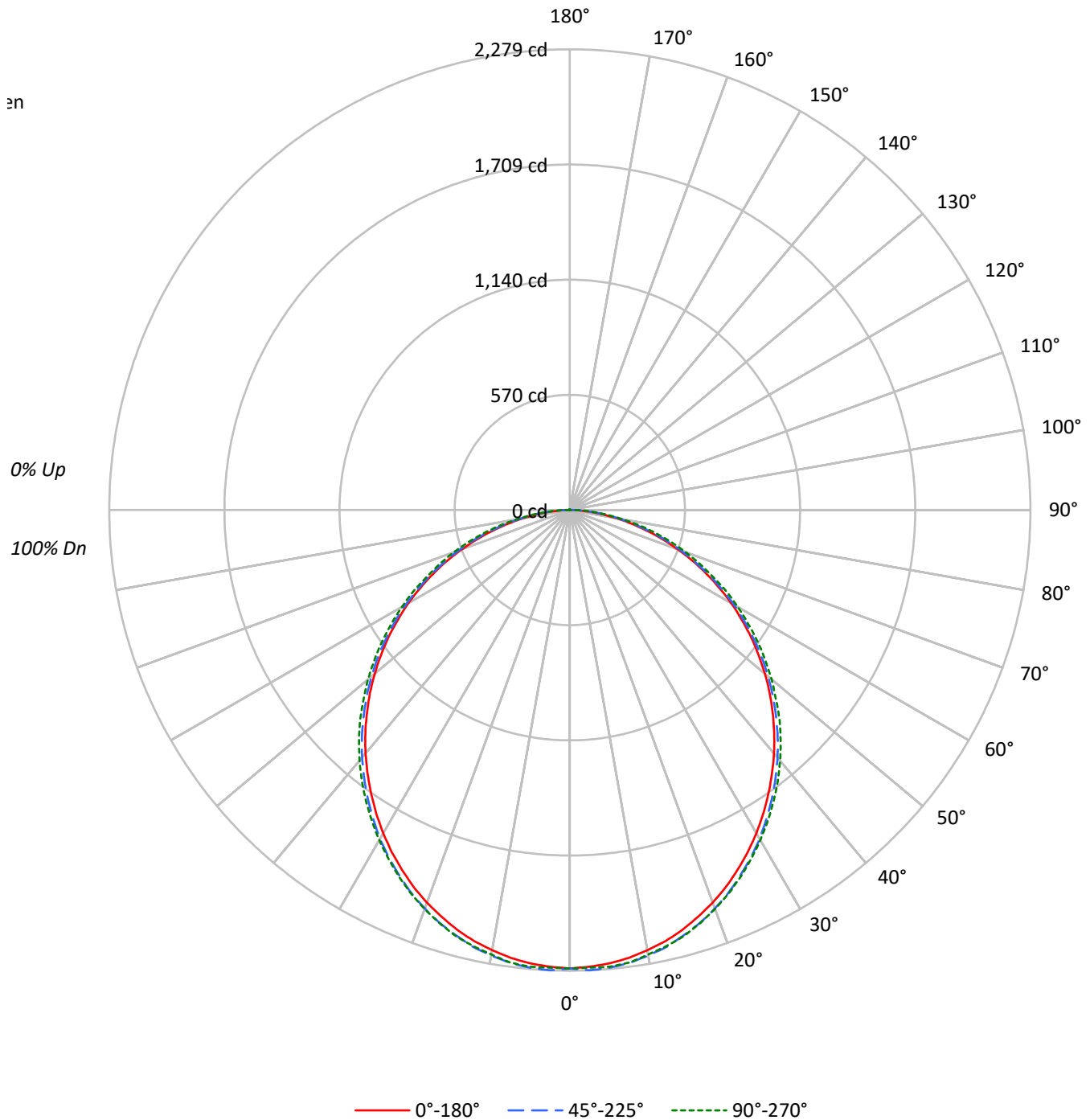
Test Method: LM-79-2019  
Report Number: P895402  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-SC3-FLT-UNV-CC93-MID-5000K  
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 5000K CCT, MID lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6295.1 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34  
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: P895402  
CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC93-MID-5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P895402  
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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	86	86	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	40	40	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	8046	8046	8046
5°	8018	8095	8077
10°	7967	8063	8044
15°	7897	8001	8013
20°	7804	7923	7929
25°	7689	7812	7831
30°	7563	7693	7727
35°	7421	7550	7615
40°	7282	7405	7497
45°	7122	7239	7364
50°	6955	7065	7194
55°	6767	6870	7014
60°	6550	6656	6809
65°	6258	6383	6550
70°	5890	6063	6338
75°	5416	5644	6009
80°	4783	5155	5427
85°	4124	4731	5068

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 7364 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.4	3.4
10°-20°	611.2	9.7
20°-30°	915.9	14.5
30°-40°	1089.8	17.3
40°-50°	1118.3	17.8
50°-60°	1001.8	15.9
60°-70°	761.2	12.1
70°-80°	442.4	7.0
80°-90°	132.8	2.1
90°-100°	3.2	0.1
100°-110°	0.6	0.0
110°-120°	0.0	0.0
120°-130°	0.3	0.0
130°-140°	0.7	0.0
140°-150°	1.0	0.0
150°-160°	0.8	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1741.6	27.7
0°-40°	2831.4	45.0
0°-60°	4951.5	78.7
0°-90°	6287.9	99.9
90°-120°	3.8	0.1
90°-150°	5.7	0.1
90°-180°	7.0	0.1
0°-180°	6295.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2268	2268	2268	2268	2268	
5°	2251	2289	2273	2261	2268	214
15°	2150	2191	2178	2175	2181	606
25°	1964	2009	1995	1992	2000	905
35°	1713	1755	1743	1748	1758	1072
45°	1419	1454	1443	1454	1468	1095
55°	1094	1121	1111	1124	1134	977
65°	745	764	760	774	780	738
75°	395	410	412	427	438	419
85°	101	110	116	124	124	111
90°	2	7	7	12	10	7
95°	0	2	2	3	5	0
105°	0	0	0	2	2	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	1
135°	0	0	2	0	0	1
145°	2	2	2	2	2	1
155°	2	2	2	2	2	1
165°	2	2	2	2	2	1
175°	3	3	3	2	2	0
180°	2	2	2	2	2	



TEST NUMBER: P895402  
 CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC93-MID-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2267.7	2267.7	2267.7	2267.7	2267.7	2267.7	2267.7	2267.7	2267.7	2267.7	2267.7
2.5°	2261.1	2257.7	2261.1	2259.4	2276.0	2295.9	2292.6	2277.7	2261.1	2266.0	2279.3
5°	2251.1	2249.4	2254.4	2251.1	2267.7	2289.3	2282.6	2269.4	2254.4	2259.4	2272.7
7.5°	2234.5	2234.5	2241.1	2237.8	2252.8	2274.3	2267.7	2256.1	2241.1	2246.1	2259.4
10°	2211.3	2212.9	2221.2	2216.2	2229.5	2252.8	2246.1	2234.5	2221.2	2224.5	2237.8
12.5°	2184.7	2184.7	2194.7	2189.7	2203.0	2224.5	2216.2	2207.9	2194.7	2198.0	2212.9
15°	2149.8	2151.5	2163.1	2158.1	2169.8	2191.3	2183.0	2176.4	2164.8	2166.4	2178.1
17.5°	2110.0	2115.0	2126.6	2121.6	2133.2	2154.8	2144.9	2138.2	2128.3	2129.9	2141.5
20°	2066.8	2071.8	2083.4	2080.1	2088.4	2110.0	2100.0	2096.7	2086.7	2088.4	2098.4
22.5°	2018.7	2023.7	2036.9	2033.6	2041.9	2063.5	2051.9	2050.2	2040.3	2041.9	2050.2
25°	1963.9	1970.5	1985.5	1982.2	1988.8	2008.7	1998.8	1995.4	1988.8	1988.8	1995.4
27.5°	1907.5	1914.1	1930.7	1925.7	1930.7	1952.3	1940.7	1939.0	1932.4	1932.4	1939.0
30°	1846.0	1852.7	1870.9	1866.0	1870.9	1889.2	1877.6	1879.2	1872.6	1872.6	1877.6
32.5°	1781.3	1786.3	1806.2	1802.9	1806.2	1824.5	1812.8	1814.5	1807.9	1809.5	1811.2
35°	1713.2	1718.2	1739.8	1736.5	1738.1	1754.7	1746.4	1746.4	1741.4	1739.8	1743.1
37.5°	1643.5	1648.5	1675.0	1666.7	1666.7	1683.3	1676.7	1676.7	1671.7	1670.1	1671.7
40°	1572.1	1575.4	1603.7	1595.4	1593.7	1608.6	1603.7	1603.7	1600.3	1597.0	1598.7
42.5°	1497.4	1502.4	1530.6	1524.0	1517.3	1533.9	1529.0	1530.6	1525.6	1522.3	1522.3
45°	1419.4	1424.4	1452.6	1449.3	1439.3	1454.3	1449.3	1452.6	1445.9	1442.6	1442.6
47.5°	1341.4	1348.0	1374.6	1369.6	1359.6	1374.6	1369.6	1372.9	1366.3	1362.9	1362.9
50°	1260.0	1266.7	1294.9	1286.6	1276.6	1291.6	1288.2	1289.9	1284.9	1281.6	1279.9
52.5°	1177.0	1185.3	1211.9	1201.9	1193.6	1206.9	1205.2	1206.9	1200.3	1198.6	1196.9
55°	1094.0	1102.3	1127.2	1115.6	1108.9	1120.6	1117.2	1120.6	1113.9	1112.3	1110.6
57.5°	1007.7	1016.0	1039.2	1027.6	1022.6	1032.6	1030.9	1032.6	1027.6	1025.9	1024.3
60°	923.0	929.7	951.2	939.6	934.6	944.6	941.3	946.3	939.6	939.6	938.0
62.5°	833.4	841.7	863.3	850.0	846.7	855.0	851.6	856.6	853.3	850.0	848.3
65°	745.4	750.4	770.3	758.7	753.7	763.6	762.0	765.3	760.3	762.0	760.3
67.5°	657.4	660.7	680.6	667.4	664.0	674.0	675.7	674.0	670.7	672.3	670.7
70°	567.8	571.1	587.7	576.1	574.4	582.7	586.0	584.4	581.0	582.7	584.4
72.5°	481.4	483.1	498.0	488.1	486.4	496.4	496.4	496.4	496.4	496.4	499.7
75°	395.1	396.8	410.0	401.7	400.1	410.0	410.0	410.0	410.0	413.4	411.7
77.5°	312.1	310.4	323.7	318.7	315.4	325.4	325.4	327.0	330.4	333.7	328.7
80°	234.1	232.4	242.4	235.7	235.7	245.7	244.0	245.7	249.0	250.7	252.3
82.5°	164.4	161.0	169.3	167.7	166.0	174.3	176.0	174.3	179.3	181.0	181.0
85°	101.3	101.3	106.2	102.9	102.9	109.6	109.6	111.2	114.5	116.2	116.2
87.5°	48.1	46.5	51.5	49.8	48.1	53.1	53.1	54.8	56.4	58.1	56.4
90°	1.7	1.7	3.3	3.3	3.3	6.6	6.6	6.6	8.3	8.3	6.6
92.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	3.3	3.3	3.3	3.3
95°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7



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CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC93-MID-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7
132.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
135°	0.0	1.7	1.7	1.7	1.7	0.0	1.7	0.0	0.0	0.0	1.7
137.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
140°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
145°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
152.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
155°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
160°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
162.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
165°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
167.5°	3.3	3.3	3.3	3.3	3.3	1.7	1.7	1.7	1.7	1.7	1.7
170°	3.3	3.3	3.3	3.3	3.3	1.7	1.7	1.7	1.7	1.7	1.7
172.5°	3.3	3.3	3.3	3.3	3.3	1.7	1.7	1.7	1.7	1.7	1.7
175°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	1.7	3.3	3.3
177.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2267.7	2267.7	2267.7	2267.7	2267.7	2267.7	2267.7	2267.7	2267.7	2267.7
2.5°	2259.4	2247.8	2242.8	2246.1	2269.4	2246.1	2271.0	2279.3	2249.4	2266.0
5°	2252.8	2241.1	2234.5	2237.8	2261.1	2239.5	2266.0	2276.0	2251.1	2267.7
7.5°	2239.5	2226.2	2222.9	2227.9	2247.8	2229.5	2256.1	2266.0	2241.1	2257.7
10°	2219.6	2207.9	2204.6	2209.6	2227.9	2209.6	2232.8	2241.1	2217.9	2232.8
12.5°	2194.7	2183.0	2179.7	2186.4	2203.0	2186.4	2209.6	2217.9	2194.7	2209.6
15°	2163.1	2151.5	2149.8	2159.8	2174.7	2159.8	2183.0	2189.7	2166.4	2181.4
17.5°	2124.9	2113.3	2115.0	2126.6	2138.2	2124.9	2146.5	2153.2	2131.6	2143.2
20°	2083.4	2070.1	2073.5	2083.4	2093.4	2080.1	2101.7	2108.3	2088.4	2100.0
22.5°	2035.3	2022.0	2025.3	2036.9	2043.6	2032.0	2051.9	2058.5	2041.9	2053.5
25°	1982.2	1970.5	1975.5	1987.1	1992.1	1982.2	2000.4	2005.4	1990.5	2000.4
27.5°	1929.0	1915.8	1922.4	1934.0	1937.3	1927.4	1945.6	1949.0	1934.0	1944.0
30°	1869.3	1856.0	1864.3	1877.6	1877.6	1870.9	1885.9	1889.2	1877.6	1885.9
32.5°	1802.9	1792.9	1802.9	1814.5	1812.8	1807.9	1822.8	1826.1	1816.2	1822.8
35°	1736.5	1728.2	1738.1	1749.7	1748.1	1743.1	1758.0	1759.7	1751.4	1758.0
37.5°	1668.4	1661.8	1671.7	1681.7	1678.4	1675.0	1688.3	1688.3	1683.3	1690.0
40°	1598.7	1592.0	1600.3	1612.0	1605.3	1605.3	1613.6	1616.9	1612.0	1618.6
42.5°	1525.6	1519.0	1529.0	1538.9	1532.3	1530.6	1540.6	1542.2	1538.9	1543.9
45°	1449.3	1442.6	1452.6	1460.9	1454.3	1454.3	1462.6	1462.6	1460.9	1467.5
47.5°	1371.2	1366.3	1374.6	1382.9	1376.2	1381.2	1381.2	1381.2	1384.5	1382.9
50°	1291.6	1286.6	1293.2	1303.2	1294.9	1296.5	1299.9	1299.9	1301.5	1303.2
52.5°	1208.6	1201.9	1208.6	1220.2	1208.6	1213.5	1215.2	1216.9	1221.8	1218.5
55°	1125.5	1118.9	1125.5	1135.5	1123.9	1130.5	1130.5	1132.2	1137.2	1133.9
57.5°	1039.2	1032.6	1042.5	1049.2	1037.6	1044.2	1044.2	1047.5	1050.8	1045.9
60°	952.9	947.9	951.2	962.9	951.2	957.9	957.9	957.9	964.5	959.5
62.5°	864.9	861.6	864.9	874.9	863.3	869.9	868.2	869.9	876.5	874.9
65°	775.3	771.9	775.3	785.2	773.6	780.2	780.2	781.9	786.9	780.2
67.5°	687.3	682.3	687.3	695.6	685.6	690.6	690.6	690.6	698.9	695.6
70°	597.6	594.3	597.6	605.9	597.6	601.0	601.0	601.0	609.3	610.9
72.5°	509.7	509.7	513.0	519.6	513.0	519.6	514.6	511.3	522.9	524.6
75°	423.3	425.0	426.6	433.3	426.6	433.3	430.0	426.6	436.6	438.3
77.5°	343.6	343.6	345.3	350.3	345.3	350.3	347.0	347.0	353.6	351.9
80°	262.3	262.3	264.0	268.9	264.0	268.9	265.6	265.6	272.3	265.6
82.5°	190.9	190.9	190.9	195.9	192.6	195.9	194.2	190.9	199.2	192.6
85°	122.8	124.5	124.5	126.2	124.5	126.2	126.2	124.5	129.5	124.5
87.5°	63.1	63.1	63.1	64.7	63.1	63.1	64.7	63.1	66.4	64.7
90°	11.6	10.0	10.0	13.3	11.6	11.6	13.3	10.0	11.6	10.0
92.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.6	6.6
95°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.0
97.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.3	3.3
100°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
102.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
105°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	1.7





TEST NUMBER: P895402

CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC93-MID-5000K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.7	1.7	1.7	1.7	0.0	1.7	0.0	0.0	0.0	0.0
140°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
145°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
152.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
155°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
160°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
162.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
165°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
167.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
170°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
172.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
175°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
177.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P895402  
 CATALOG NUMBER: 8TMB-SC3-FLT-UNV-CC93-MID-5000K

**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	18.75	20.39	19.12	20.70	21.02	18.89	20.52	19.25	20.84	21.16
	3H	20.57	22.06	20.95	22.38	22.75	20.72	22.20	21.10	22.53	22.89
	4H	21.24	22.63	21.64	22.98	23.36	21.43	22.82	21.83	23.17	23.55
	6H	21.69	22.98	22.10	23.35	23.74	21.98	23.28	22.40	23.65	24.04
	8H	21.83	23.06	22.25	23.45	23.86	22.18	23.42	22.61	23.81	24.21
	12H	21.92	23.11	22.35	23.49	23.92	22.32	23.51	22.75	23.89	24.32
4H	2H	19.39	20.78	19.79	21.13	21.51	19.49	20.89	19.89	21.24	21.62
	3H	21.43	22.60	21.84	23.00	23.40	21.56	22.73	21.97	23.13	23.53
	4H	22.22	23.28	22.65	23.70	24.13	22.40	23.47	22.84	23.88	24.32
	6H	22.79	23.72	23.25	24.17	24.62	23.10	24.03	23.55	24.47	24.93
	8H	22.98	23.85	23.45	24.30	24.77	23.34	24.21	23.80	24.66	25.12
	12H	23.13	23.91	23.61	24.39	24.86	23.54	24.32	24.02	24.80	25.27
8H	4H	22.55	23.42	23.01	23.86	24.33	22.71	23.58	23.18	24.03	24.50
	6H	23.25	23.98	23.75	24.46	24.94	23.54	24.26	24.03	24.75	25.23
	8H	23.51	24.16	24.03	24.67	25.16	23.87	24.52	24.38	25.03	25.52
	12H	23.73	24.31	24.24	24.80	25.36	24.15	24.73	24.66	25.22	25.78
12H	4H	22.59	23.37	23.07	23.85	24.32	22.75	23.53	23.23	24.01	24.48
	6H	23.32	23.97	23.83	24.48	24.97	23.60	24.25	24.11	24.76	25.24
	8H	23.65	24.22	24.16	24.72	25.28	23.99	24.57	24.50	25.06	25.62