

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: P895517

Luminaire Tested: 8TMB-SC3-RNDU-UNV-CC83-MID-3500K

Issue Date: 11/11/2024

**Test Information**

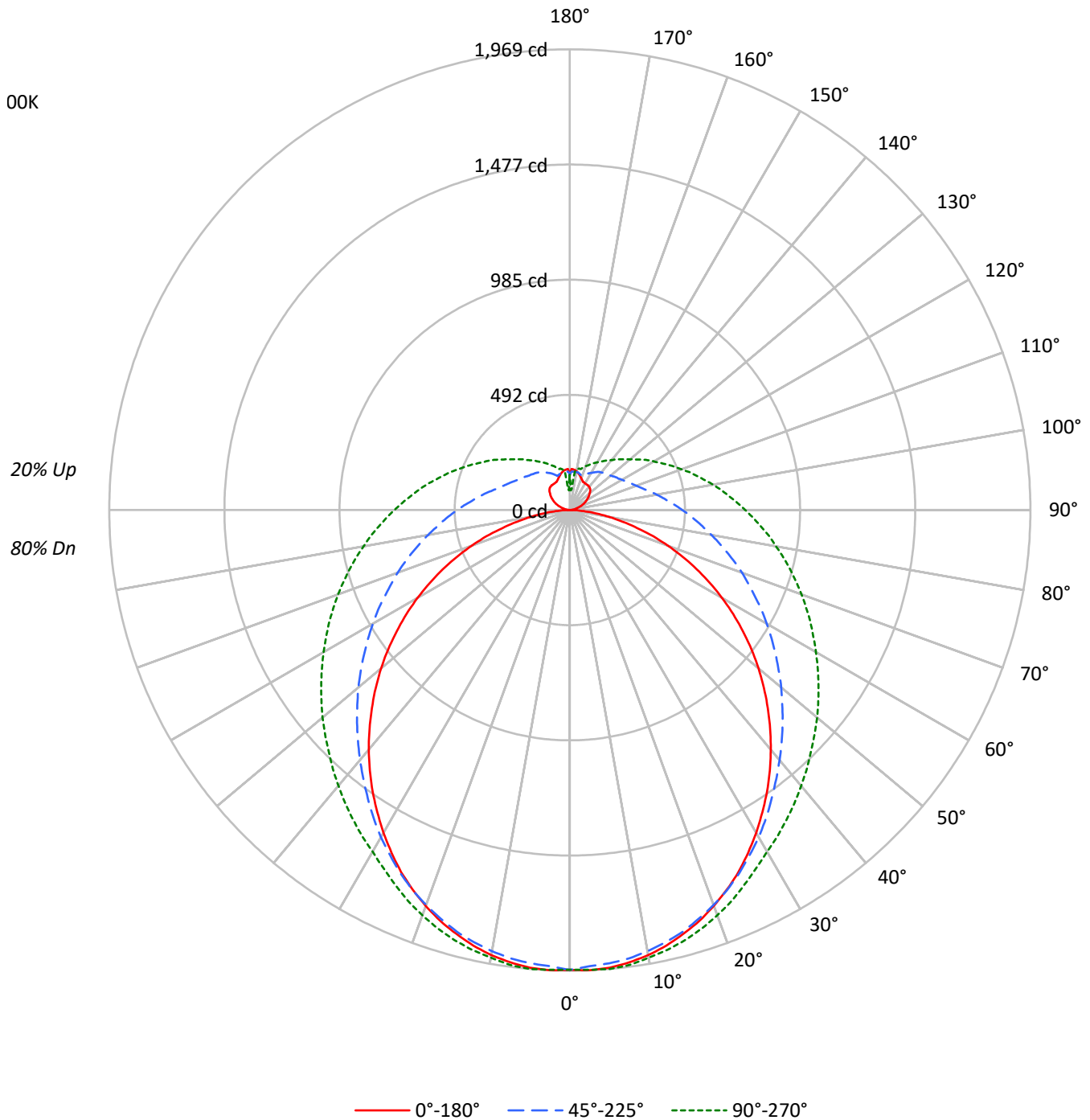
Test Method: LM-79-2019  
Report Number: P895517  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-SC3-RNDU-UNV-CC83-MID-3500K  
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 35  
CCT, MID lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8265.0 lumens  
Efficiency: N/A  
Efficacy: 123.5 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): 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

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CATALOG NUMBER: 8TMB-SC3-RNDU-UNV-CC83-MID-3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P895517

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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°	6972	6972	6972
5°	6976	6688	6691
10°	6927	6437	6382
15°	6841	6182	6096
20°	6734	5911	5803
25°	6602	5638	5509
30°	6430	5362	5249
35°	6251	5076	5057
40°	6059	4819	4882
45°	5852	4591	4727
50°	5635	4389	4608
55°	5385	4203	4503
60°	5103	4051	4425
65°	4757	3919	4381
70°	4325	3842	4366
75°	3736	3791	4386
80°	3027	3806	4455
85°	2110	3928	4601

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5852 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.9	2.2
10°-20°	530.1	6.4
20°-30°	795.9	9.6
30°-40°	957.1	11.6
40°-50°	1014.0	12.3
50°-60°	976.5	11.8
60°-70°	864.2	10.5
70°-80°	708.9	8.6
80°-90°	550.1	6.7
90°-100°	426.9	5.2
100°-110°	338.3	4.1
110°-120°	269.5	3.3
120°-130°	214.1	2.6
130°-140°	167.2	2.0
140°-150°	123.0	1.5
150°-160°	81.4	1.0
160°-170°	46.8	0.6
170°-180°	15.0	0.2
0°-30°	1511.9	18.3
0°-40°	2469.0	29.9
0°-60°	4459.6	54.0
0°-90°	6582.8	79.6
90°-120°	1034.7	12.5
90°-150°	1539.0	18.6
90°-180°	1682.0	20.4
0°-180°	8265.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1965	1965	1965	1965	1965	
5°	1963	1965	1944	1959	1969	186
15°	1875	1877	1866	1894	1903	529
25°	1707	1713	1713	1756	1767	785
35°	1470	1488	1505	1584	1615	919
45°	1197	1225	1286	1408	1458	923
55°	903	948	1073	1232	1298	808
65°	598	681	873	1056	1135	592
75°	299	449	696	892	974	320
85°	67	271	544	742	821	77
90°	2	213	480	673	750	5
95°	9	176	424	608	682	10
105°	34	142	335	497	563	36
115°	67	136	279	406	460	66
125°	97	142	243	335	376	87
135°	123	151	219	280	307	94
145°	131	150	198	241	256	82
155°	133	155	170	206	217	62
165°	157	166	161	161	181	44
175°	174	172	164	136	92	16
180°	151	151	151	151	151	



TEST NUMBER: P895517  
 CATALOG NUMBER: 8TMB-SC3-RNDU-UNV-CC83-MID-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1965.0	1965.0	1965.0	1965.0	1965.0	1965.0	1965.0	1965.0	1965.0	1965.0	1965.0
2.5°	1968.8	1966.9	1970.6	1974.4	1985.6	1970.6	1978.1	1957.5	1959.4	1961.3	1951.9
5°	1963.1	1957.5	1963.1	1966.9	1976.2	1965.0	1972.5	1950.1	1951.9	1955.7	1944.5
7.5°	1950.1	1944.5	1948.2	1951.9	1961.3	1950.1	1959.4	1937.0	1940.7	1942.6	1933.2
10°	1931.4	1923.9	1927.6	1933.2	1940.7	1931.4	1938.8	1918.3	1920.1	1923.9	1914.5
12.5°	1907.1	1899.6	1903.3	1907.1	1916.4	1907.1	1914.5	1894.0	1897.7	1901.4	1892.1
15°	1875.3	1867.8	1871.5	1875.3	1882.8	1877.1	1884.6	1864.1	1867.8	1875.3	1865.9
17.5°	1841.6	1830.4	1834.1	1839.7	1847.2	1843.5	1849.1	1832.3	1834.1	1841.6	1832.3
20°	1800.5	1789.3	1793.0	1798.6	1806.1	1804.2	1808.0	1793.0	1796.7	1806.1	1796.7
22.5°	1755.6	1744.4	1748.1	1755.6	1761.2	1761.2	1763.1	1751.9	1755.6	1765.0	1757.5
25°	1707.0	1695.8	1699.5	1707.0	1712.6	1712.6	1716.4	1705.1	1710.7	1720.1	1712.6
27.5°	1650.9	1645.3	1645.3	1652.8	1656.5	1660.3	1662.1	1652.8	1660.3	1669.6	1664.0
30°	1593.0	1585.5	1589.2	1598.6	1598.6	1606.0	1606.0	1598.6	1607.9	1619.1	1615.4
32.5°	1531.3	1525.6	1527.5	1538.7	1538.7	1548.1	1546.2	1542.5	1551.8	1564.9	1561.2
35°	1469.6	1463.9	1465.8	1477.0	1477.0	1488.3	1484.5	1484.5	1493.9	1508.8	1505.1
37.5°	1404.1	1400.4	1402.2	1413.5	1413.5	1424.7	1420.9	1422.8	1434.0	1450.9	1449.0
40°	1336.8	1333.1	1336.8	1346.2	1349.9	1359.2	1355.5	1359.2	1374.2	1389.2	1394.8
42.5°	1267.6	1265.8	1269.5	1278.9	1282.6	1291.9	1290.1	1295.7	1310.6	1333.1	1340.5
45°	1196.6	1196.6	1200.3	1209.7	1213.4	1224.6	1222.8	1230.2	1248.9	1273.2	1286.3
47.5°	1125.5	1127.4	1129.3	1140.5	1140.5	1159.2	1153.6	1164.8	1189.1	1217.2	1232.1
50°	1052.6	1056.4	1058.2	1067.6	1071.3	1088.1	1084.4	1103.1	1129.3	1159.2	1179.8
52.5°	979.7	983.4	987.2	994.7	998.4	1019.0	1015.2	1039.5	1071.3	1103.1	1125.5
55°	903.0	910.5	912.4	921.7	927.4	947.9	947.9	976.0	1009.6	1045.1	1073.2
57.5°	828.3	835.7	837.6	848.8	856.3	880.6	884.4	916.1	953.5	989.1	1022.7
60°	751.6	761.0	762.8	774.0	787.1	813.3	818.9	854.4	895.6	933.0	972.2
62.5°	674.9	684.3	688.0	699.3	719.8	746.0	755.3	796.5	839.5	880.6	923.6
65°	598.3	607.6	613.2	628.2	652.5	680.6	693.6	736.6	785.3	828.3	873.1
67.5°	521.6	532.9	540.3	559.0	590.8	620.7	633.8	682.4	732.9	779.6	826.4
70°	446.8	458.1	467.4	491.7	529.1	559.0	575.9	628.2	680.6	731.0	783.4
72.5°	373.9	385.2	398.2	428.2	469.3	502.9	521.6	575.9	633.8	684.3	738.5
75°	299.1	312.2	327.2	368.3	415.1	448.7	469.3	527.2	587.1	637.6	695.5
77.5°	231.8	244.9	267.4	308.5	360.8	398.2	420.7	482.4	544.1	594.6	654.4
80°	170.1	183.2	213.1	258.0	312.2	347.8	375.8	439.4	502.9	555.3	615.1
82.5°	115.9	129.0	164.5	213.1	271.1	306.6	332.8	400.1	463.7	517.9	577.7
85°	67.3	86.0	123.4	175.7	235.6	271.1	297.3	366.5	428.2	482.4	544.1
87.5°	29.9	52.4	93.5	145.8	205.7	239.3	267.4	330.9	396.4	450.6	512.3
90°	1.9	29.9	72.9	123.4	181.4	213.1	239.3	302.9	364.6	420.7	480.5
92.5°	3.7	20.6	59.8	106.6	160.8	192.6	218.8	278.6	336.5	394.5	452.5
95°	9.3	20.6	52.4	95.4	145.8	175.7	200.1	258.0	312.2	368.3	424.4
97.5°	15.0	22.4	50.5	89.7	134.6	162.7	185.1	239.3	293.5	344.0	400.1
100°	20.6	28.0	50.5	86.0	127.1	153.3	173.9	224.4	274.8	321.6	377.7
102.5°	26.2	33.7	54.2	86.0	123.4	145.8	166.4	213.1	259.9	302.9	355.2
105°	33.7	39.3	58.0	86.0	119.7	142.1	158.9	201.9	246.8	287.9	334.7
107.5°	41.1	44.9	61.7	87.9	119.7	138.4	155.2	194.4	235.6	273.0	317.8
110°	50.5	52.4	67.3	91.6	119.7	136.5	151.4	188.8	226.2	261.8	302.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	58.0	58.0	72.9	95.4	119.7	136.5	149.6	183.2	218.8	250.5	289.8
115°	67.3	67.3	78.5	99.1	121.5	136.5	149.6	181.4	213.1	241.2	278.6
117.5°	74.8	74.8	86.0	102.8	125.3	138.4	149.6	177.6	207.5	233.7	267.4
120°	82.3	82.3	89.7	106.6	127.1	140.2	149.6	175.7	201.9	228.1	258.0
122.5°	89.7	89.7	95.4	112.2	129.0	140.2	149.6	173.9	198.2	220.6	248.7
125°	97.2	97.2	101.0	115.9	132.7	142.1	151.4	173.9	196.3	215.0	243.1
127.5°	104.7	102.8	108.4	121.5	134.6	144.0	153.3	173.9	192.6	211.3	235.6
130°	110.3	108.4	115.9	125.3	138.4	145.8	153.3	172.0	190.7	207.5	228.1
132.5°	117.8	114.0	123.4	127.1	142.1	149.6	155.2	172.0	188.8	203.8	224.4
135°	123.4	119.7	129.0	132.7	144.0	151.4	157.1	172.0	187.0	201.9	218.8
137.5°	127.1	125.3	134.6	138.4	145.8	153.3	158.9	172.0	185.1	198.2	215.0
140°	129.0	127.1	134.6	142.1	145.8	153.3	157.1	170.1	183.2	194.4	209.4
142.5°	130.9	130.9	136.5	144.0	145.8	151.4	157.1	168.3	179.5	188.8	205.7
145°	130.9	130.9	136.5	145.8	147.7	149.6	153.3	164.5	173.9	183.2	198.2
147.5°	130.9	130.9	138.4	145.8	149.6	151.4	149.6	160.8	170.1	177.6	190.7
150°	130.9	130.9	138.4	145.8	151.4	153.3	151.4	157.1	164.5	172.0	183.2
152.5°	132.7	132.7	138.4	145.8	151.4	153.3	153.3	153.3	158.9	166.4	177.6
155°	132.7	134.6	138.4	149.6	153.3	155.2	155.2	155.2	153.3	160.8	170.1
157.5°	138.4	140.2	142.1	151.4	155.2	157.1	157.1	157.1	155.2	153.3	162.7
160°	144.0	145.8	147.7	155.2	158.9	160.8	160.8	160.8	157.1	155.2	155.2
162.5°	149.6	153.3	153.3	157.1	160.8	162.7	162.7	164.5	160.8	158.9	157.1
165°	157.1	158.9	158.9	160.8	164.5	166.4	164.5	166.4	164.5	162.7	160.8
167.5°	162.7	164.5	164.5	166.4	166.4	168.3	168.3	168.3	166.4	164.5	164.5
170°	168.3	170.1	170.1	170.1	170.1	170.1	170.1	170.1	168.3	164.5	164.5
172.5°	172.0	173.9	173.9	172.0	172.0	172.0	172.0	170.1	166.4	164.5	164.5
175°	173.9	175.7	175.7	173.9	172.0	172.0	172.0	170.1	166.4	164.5	164.5
177.5°	175.7	177.6	175.7	175.7	172.0	172.0	172.0	172.0	168.3	166.4	164.5
180°	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1965.0	1965.0	1965.0	1965.0	1965.0	1965.0	1965.0	1965.0	1965.0	1965.0
2.5°	1963.1	1940.7	1955.7	1957.5	1965.0	1957.5	1963.1	1957.5	1972.5	1966.9
5°	1955.7	1935.1	1948.2	1950.1	1959.4	1950.1	1959.4	1955.7	1974.4	1968.8
7.5°	1942.6	1925.8	1937.0	1938.8	1950.1	1940.7	1950.1	1946.3	1968.8	1961.3
10°	1923.9	1910.8	1922.0	1923.9	1935.1	1925.8	1933.2	1929.5	1953.8	1942.6
12.5°	1903.3	1892.1	1901.4	1903.3	1916.4	1907.1	1916.4	1912.7	1937.0	1925.8
15°	1873.4	1867.8	1877.1	1880.9	1894.0	1886.5	1895.8	1892.1	1918.3	1903.3
17.5°	1843.5	1839.7	1849.1	1852.8	1867.8	1858.4	1867.8	1864.1	1890.2	1875.3
20°	1806.1	1804.2	1813.6	1819.2	1832.3	1822.9	1834.1	1830.4	1858.4	1843.5
22.5°	1766.8	1766.8	1774.3	1779.9	1793.0	1785.5	1796.7	1794.9	1822.9	1808.0
25°	1723.8	1725.7	1733.2	1740.7	1755.6	1750.0	1759.4	1759.4	1785.5	1766.8
27.5°	1675.2	1684.6	1690.2	1699.5	1712.6	1707.0	1716.4	1718.2	1744.4	1725.7
30°	1624.7	1637.8	1643.4	1654.7	1665.9	1665.9	1675.2	1679.0	1705.1	1686.4
32.5°	1572.4	1587.3	1594.8	1609.8	1624.7	1624.7	1637.8	1643.4	1669.6	1652.8
35°	1520.0	1540.6	1550.0	1568.6	1583.6	1585.5	1598.6	1606.0	1632.2	1615.4
37.5°	1469.6	1495.7	1505.1	1527.5	1540.6	1544.3	1559.3	1568.6	1593.0	1578.0
40°	1417.2	1449.0	1460.2	1484.5	1495.7	1503.2	1518.2	1529.4	1551.8	1538.7
42.5°	1366.7	1402.2	1413.5	1439.6	1452.7	1460.2	1475.2	1490.1	1512.6	1499.5
45°	1316.2	1355.5	1368.6	1396.6	1407.9	1419.1	1435.9	1449.0	1469.6	1458.3
47.5°	1267.6	1308.8	1321.9	1351.8	1364.9	1377.9	1392.9	1411.6	1430.3	1419.1
50°	1217.2	1260.2	1277.0	1308.8	1320.0	1334.9	1353.6	1370.5	1389.2	1379.8
52.5°	1168.5	1213.4	1230.2	1263.9	1277.0	1291.9	1310.6	1329.3	1346.2	1338.7
55°	1116.2	1164.8	1183.5	1219.0	1232.1	1247.1	1267.6	1288.2	1303.2	1297.5
57.5°	1067.6	1118.1	1136.8	1176.0	1187.2	1205.9	1226.5	1248.9	1262.0	1256.4
60°	1019.0	1069.4	1091.9	1131.1	1144.2	1162.9	1183.5	1207.8	1219.0	1215.3
62.5°	970.4	1022.7	1047.0	1088.1	1099.4	1119.9	1144.2	1164.8	1176.0	1174.1
65°	925.5	976.0	1004.0	1045.1	1056.4	1078.8	1101.2	1123.7	1134.9	1134.9
67.5°	878.7	933.0	961.0	1004.0	1013.4	1037.7	1062.0	1084.4	1093.8	1093.8
70°	835.7	888.1	919.9	962.9	972.2	994.7	1020.8	1045.1	1052.6	1054.5
72.5°	792.7	845.1	878.7	923.6	933.0	955.4	979.7	1005.9	1011.5	1013.4
75°	751.6	804.0	837.6	882.5	891.8	914.3	940.4	964.7	972.2	974.1
77.5°	710.5	762.8	800.2	843.2	852.6	875.0	901.2	925.5	931.1	934.8
80°	673.1	723.6	759.1	805.8	815.2	837.6	861.9	886.2	890.0	895.6
82.5°	635.7	686.2	723.6	768.4	777.8	800.2	824.5	848.8	852.6	860.0
85°	600.2	650.6	688.0	731.0	742.3	762.8	789.0	811.4	815.2	820.8
87.5°	568.4	615.1	654.4	695.5	706.7	727.3	753.5	775.9	777.8	785.3
90°	534.7	581.5	620.7	661.9	673.1	691.8	718.0	740.4	744.1	749.7
92.5°	506.7	549.7	590.8	630.1	639.4	660.0	684.3	706.7	710.5	716.1
95°	476.8	519.8	560.9	598.3	607.6	628.2	650.6	673.1	676.8	682.4
97.5°	450.6	491.7	531.0	568.4	577.7	596.4	620.7	641.3	645.0	652.5
100°	426.3	465.5	506.7	540.3	549.7	568.4	590.8	611.4	615.1	622.6
102.5°	403.8	441.2	480.5	512.3	523.5	540.3	562.8	581.5	585.2	590.8
105°	383.3	418.8	456.2	486.1	497.3	514.2	534.7	553.4	557.2	562.8
107.5°	362.7	396.4	431.9	461.8	471.2	486.1	506.7	525.4	529.1	536.6
110°	344.0	377.7	411.3	439.4	450.6	461.8	482.4	499.2	502.9	508.5





TEST NUMBER: P895517

CATALOG NUMBER: 8TMB-SC3-RNDU-UNV-CC83-MID-3500K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	327.2	357.1	390.8	416.9	426.3	439.4	456.2	473.0	476.8	484.2
115°	312.2	340.3	373.9	398.2	405.7	416.9	435.6	450.6	454.3	459.9
117.5°	299.1	323.5	353.4	377.7	387.0	396.4	413.2	426.3	431.9	435.6
120°	287.9	310.4	336.5	359.0	370.2	377.7	392.6	405.7	411.3	415.1
122.5°	276.7	297.3	321.6	342.1	351.5	357.1	373.9	385.2	390.8	396.4
125°	267.4	286.1	308.5	325.3	334.7	340.3	355.2	366.5	372.1	375.8
127.5°	258.0	274.8	297.3	310.4	319.7	323.5	336.5	347.8	353.4	355.2
130°	248.7	265.5	284.2	297.3	304.8	310.4	321.6	329.1	334.7	336.5
132.5°	241.2	256.1	273.0	286.1	293.5	295.4	306.6	314.1	319.7	321.6
135°	235.6	246.8	263.6	274.8	280.4	284.2	293.5	299.1	304.8	306.6
137.5°	228.1	239.3	254.3	261.8	269.2	271.1	280.4	286.1	291.7	293.5
140°	222.5	231.8	244.9	252.4	259.9	259.9	267.4	273.0	278.6	278.6
142.5°	216.9	226.2	237.4	244.9	250.5	250.5	258.0	261.8	267.4	267.4
145°	209.4	218.8	230.0	235.6	241.2	241.2	246.8	250.5	256.1	256.1
147.5°	201.9	211.3	222.5	226.2	231.8	231.8	237.4	241.2	244.9	244.9
150°	192.6	200.1	213.1	218.8	224.4	224.4	228.1	231.8	235.6	235.6
152.5°	185.1	190.7	201.9	209.4	215.0	215.0	218.8	222.5	226.2	226.2
155°	175.7	181.4	190.7	200.1	205.7	207.5	211.3	213.1	216.9	216.9
157.5°	168.3	173.9	181.4	188.8	194.4	198.2	203.8	205.7	207.5	207.5
160°	158.9	162.7	170.1	177.6	183.2	187.0	196.3	198.2	200.1	200.1
162.5°	155.2	155.2	158.9	164.5	170.1	172.0	181.4	188.8	192.6	190.7
165°	157.1	155.2	155.2	157.1	160.8	162.7	168.3	179.5	183.2	181.4
167.5°	160.8	157.1	155.2	155.2	158.9	158.9	164.5	173.9	185.1	181.4
170°	160.8	155.2	151.4	151.4	153.3	153.3	157.1	162.7	173.9	175.7
172.5°	158.9	155.2	149.6	142.1	144.0	142.1	140.2	144.0	145.8	164.5
175°	160.8	155.2	149.6	140.2	136.5	130.9	121.5	114.0	112.2	91.6
177.5°	158.9	153.3	145.8	138.4	134.6	127.1	115.9	102.8	95.4	84.1
180°	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4



TEST NUMBER: P895517  
 CATALOG NUMBER: 8TMB-SC3-RNDU-UNV-CC83-MID-3500K

**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	13.70	15.01	14.34	15.68	16.45	17.32	18.64	17.97	19.30	20.07
	3H	15.05	16.25	15.70	16.92	17.72	20.28	21.48	20.93	22.15	22.96
	4H	15.45	16.59	16.12	17.28	18.09	21.79	22.93	22.46	23.61	24.43
	6H	15.67	16.73	16.35	17.43	18.26	23.40	24.46	24.08	25.16	25.99
	8H	15.70	16.72	16.40	17.44	18.27	24.25	25.27	24.94	25.98	26.82
	12H	15.70	16.68	16.41	17.39	18.26	25.19	26.17	25.90	26.88	27.74
4H	2H	14.86	16.00	15.53	16.69	17.50	17.64	18.78	18.32	19.47	20.28
	3H	16.50	17.48	17.19	18.20	19.03	20.83	21.80	21.51	22.52	23.36
	4H	17.07	17.97	17.77	18.69	19.56	22.50	23.41	23.21	24.13	24.99
	6H	17.41	18.21	18.13	18.96	19.82	24.32	25.12	25.05	25.87	26.74
	8H	17.48	18.23	18.21	18.98	19.86	25.30	26.05	26.02	26.80	27.68
	12H	17.51	18.19	18.26	18.96	19.85	26.38	27.07	27.13	27.84	28.73
8H	4H	18.18	18.93	18.90	19.67	20.56	22.68	23.43	23.40	24.17	25.06
	6H	18.78	19.42	19.54	20.21	21.10	24.67	25.31	25.43	26.10	26.98
	8H	18.98	19.56	19.74	20.35	21.24	25.79	26.37	26.56	27.16	28.05
	12H	19.09	19.61	19.86	20.39	21.34	27.07	27.58	27.84	28.36	29.32
12H	4H	18.54	19.23	19.29	20.00	20.88	22.67	23.35	23.42	24.12	25.01
	6H	19.32	19.90	20.08	20.69	21.58	24.70	25.28	25.46	26.07	26.97
	8H	19.65	20.16	20.42	20.94	21.90	25.88	26.40	26.65	27.18	28.13