

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: P895217

Luminaire Tested: 8TMB-8SL-FLT-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895217
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-8SL-FLT-UNV-L930
Description: 8000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

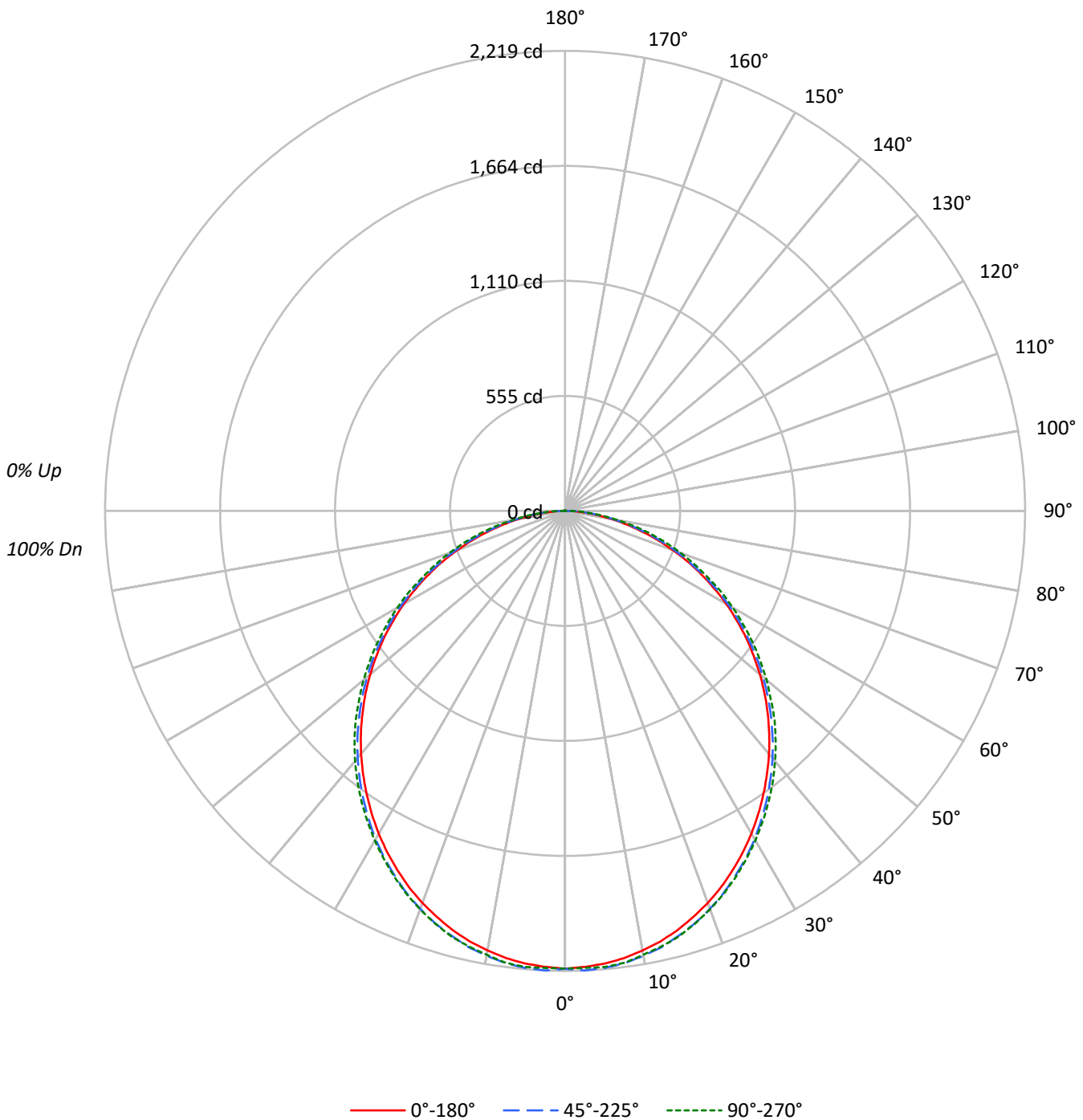
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6129.0 lumens
Efficiency: N/A
Efficacy: 102.8 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): 59.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 3.8
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	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°	7834	7834	7834
5°	7806	7881	7864
10°	7757	7850	7833
15°	7689	7790	7802
20°	7598	7714	7720
25°	7486	7606	7625
30°	7364	7490	7523
35°	7225	7351	7414
40°	7090	7209	7299
45°	6935	7048	7169
50°	6772	6879	7004
55°	6589	6689	6829
60°	6377	6480	6629
65°	6093	6215	6378
70°	5735	5902	6170
75°	5274	5495	5850
80°	4657	5020	5284
85°	4014	4604	4934

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7169 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	3.4
10°-20°	595.1	9.7
20°-30°	891.8	14.6
30°-40°	1061.1	17.3
40°-50°	1088.8	17.8
50°-60°	975.4	15.9
60°-70°	741.1	12.1
70°-80°	430.8	7.0
80°-90°	129.3	2.1
90°-100°	3.1	0.0
100°-110°	0.5	0.0
110°-120°	0.0	0.0
120°-130°	0.2	0.0
130°-140°	0.6	0.0
140°-150°	1.0	0.0
150°-160°	0.7	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1695.6	27.7
0°-40°	2756.7	45.0
0°-60°	4820.9	78.7
0°-90°	6122.1	99.9
90°-120°	3.6	0.1
90°-150°	5.5	0.1
90°-180°	7.0	0.1
0°-180°	6129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2208	2208	2208	2208	2208	
5°	2192	2229	2213	2201	2208	208
15°	2093	2134	2121	2117	2124	590
25°	1912	1956	1943	1940	1948	881
35°	1668	1708	1697	1702	1712	1044
45°	1382	1416	1405	1416	1429	1066
55°	1065	1091	1081	1094	1104	952
65°	726	744	740	753	760	718
75°	385	399	401	415	427	408
85°	99	107	113	121	121	108
90°	2	6	6	11	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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2207.9	2207.9	2207.9	2207.9	2207.9	2207.9	2207.9	2207.9	2207.9	2207.9	2207.9
2.5°	2201.4	2198.2	2201.4	2199.8	2216.0	2235.4	2232.1	2217.6	2201.4	2206.3	2219.2
5°	2191.7	2190.1	2195.0	2191.7	2207.9	2228.9	2222.4	2209.5	2195.0	2199.8	2212.7
7.5°	2175.6	2175.6	2182.0	2178.8	2193.4	2214.4	2207.9	2196.6	2182.0	2186.9	2199.8
10°	2152.9	2154.6	2162.6	2157.8	2170.7	2193.4	2186.9	2175.6	2162.6	2165.9	2178.8
12.5°	2127.1	2127.1	2136.8	2131.9	2144.9	2165.9	2157.8	2149.7	2136.8	2140.0	2154.6
15°	2093.1	2094.8	2106.1	2101.2	2112.5	2133.5	2125.5	2119.0	2107.7	2109.3	2120.6
17.5°	2054.3	2059.2	2070.5	2065.7	2077.0	2098.0	2088.3	2081.8	2072.1	2073.7	2085.1
20°	2012.3	2017.2	2028.5	2025.3	2033.3	2054.3	2044.7	2041.4	2031.7	2033.3	2043.0
22.5°	1965.5	1970.3	1983.2	1980.0	1988.1	2009.1	1997.8	1996.2	1986.5	1988.1	1996.2
25°	1912.1	1918.6	1933.1	1929.9	1936.4	1955.8	1946.1	1942.8	1936.4	1936.4	1942.8
27.5°	1857.2	1863.6	1879.8	1874.9	1879.8	1900.8	1889.5	1887.9	1881.4	1881.4	1887.9
30°	1797.4	1803.8	1821.6	1816.8	1821.6	1839.4	1828.1	1829.7	1823.2	1823.2	1828.1
32.5°	1734.3	1739.2	1758.6	1755.3	1758.6	1776.3	1765.0	1766.6	1760.2	1761.8	1763.4
35°	1668.0	1672.9	1693.9	1690.7	1692.3	1708.5	1700.4	1700.4	1695.5	1693.9	1697.1
37.5°	1600.2	1605.0	1630.9	1622.8	1622.8	1639.0	1632.5	1632.5	1627.6	1626.0	1627.6
40°	1530.7	1533.9	1561.4	1553.3	1551.7	1566.2	1561.4	1561.4	1558.1	1554.9	1556.5
42.5°	1457.9	1462.8	1490.3	1483.8	1477.3	1493.5	1488.6	1490.3	1485.4	1482.2	1482.2
45°	1382.0	1386.8	1414.3	1411.1	1401.4	1415.9	1411.1	1414.3	1407.8	1404.6	1404.6
47.5°	1306.0	1312.5	1338.3	1333.5	1323.8	1338.3	1333.5	1336.7	1330.2	1327.0	1327.0
50°	1226.8	1233.3	1260.7	1252.7	1243.0	1257.5	1254.3	1255.9	1251.0	1247.8	1246.2
52.5°	1146.0	1154.1	1179.9	1170.2	1162.1	1175.1	1173.5	1175.1	1168.6	1167.0	1165.4
55°	1065.2	1073.2	1097.5	1086.2	1079.7	1091.0	1087.8	1091.0	1084.6	1082.9	1081.3
57.5°	981.1	989.2	1011.8	1000.5	995.7	1005.4	1003.7	1005.4	1000.5	998.9	997.3
60°	898.7	905.1	926.2	914.8	910.0	919.7	916.5	921.3	914.8	914.8	913.2
62.5°	811.4	819.5	840.5	827.6	824.3	832.4	829.2	834.0	830.8	827.6	825.9
65°	725.7	730.6	750.0	738.7	733.8	743.5	741.9	745.1	740.3	741.9	740.3
67.5°	640.1	643.3	662.7	649.8	646.5	656.2	657.8	656.2	653.0	654.6	653.0
70°	552.8	556.0	572.2	560.9	559.2	567.3	570.6	568.9	565.7	567.3	568.9
72.5°	468.7	470.4	484.9	475.2	473.6	483.3	483.3	483.3	483.3	483.3	486.5
75°	384.7	386.3	399.2	391.2	389.5	399.2	399.2	399.2	399.2	402.5	400.8
77.5°	303.9	302.3	315.2	310.3	307.1	316.8	316.8	318.4	321.6	324.9	320.0
80°	227.9	226.3	236.0	229.5	229.5	239.2	237.6	239.2	242.4	244.1	245.7
82.5°	160.0	156.8	164.9	163.2	161.6	169.7	171.3	169.7	174.6	176.2	176.2
85°	98.6	98.6	103.4	100.2	100.2	106.7	106.7	108.3	111.5	113.1	113.1
87.5°	46.9	45.3	50.1	48.5	46.9	51.7	51.7	53.3	55.0	56.6	55.0
90°	1.6	1.6	3.2	3.2	3.2	6.5	6.5	6.5	8.1	8.1	6.5
92.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	3.2
95°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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	1.6



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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	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6
132.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
135°	0.0	1.6	1.6	1.6	1.6	0.0	1.6	0.0	0.0	0.0	1.6
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
155°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
167.5°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6
170°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6
172.5°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6
175°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	1.6	3.2	3.2
177.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2207.9	2207.9	2207.9	2207.9	2207.9	2207.9	2207.9	2207.9	2207.9	2207.9
2.5°	2199.8	2188.5	2183.7	2186.9	2209.5	2186.9	2211.1	2219.2	2190.1	2206.3
5°	2193.4	2182.0	2175.6	2178.8	2201.4	2180.4	2206.3	2216.0	2191.7	2207.9
7.5°	2180.4	2167.5	2164.3	2169.1	2188.5	2170.7	2196.6	2206.3	2182.0	2198.2
10°	2161.0	2149.7	2146.5	2151.3	2169.1	2151.3	2174.0	2182.0	2159.4	2174.0
12.5°	2136.8	2125.5	2122.2	2128.7	2144.9	2128.7	2151.3	2159.4	2136.8	2151.3
15°	2106.1	2094.8	2093.1	2102.8	2117.4	2102.8	2125.5	2131.9	2109.3	2123.9
17.5°	2068.9	2057.6	2059.2	2070.5	2081.8	2068.9	2089.9	2096.4	2075.4	2086.7
20°	2028.5	2015.6	2018.8	2028.5	2038.2	2025.3	2046.3	2052.7	2033.3	2044.7
22.5°	1981.6	1968.7	1971.9	1983.2	1989.7	1978.4	1997.8	2004.2	1988.1	1999.4
25°	1929.9	1918.6	1923.4	1934.7	1939.6	1929.9	1947.7	1952.5	1938.0	1947.7
27.5°	1878.2	1865.2	1871.7	1883.0	1886.3	1876.6	1894.3	1897.6	1883.0	1892.7
30°	1820.0	1807.1	1815.1	1828.1	1828.1	1821.6	1836.1	1839.4	1828.1	1836.1
32.5°	1755.3	1745.6	1755.3	1766.6	1765.0	1760.2	1774.7	1778.0	1768.3	1774.7
35°	1690.7	1682.6	1692.3	1703.6	1702.0	1697.1	1711.7	1713.3	1705.2	1711.7
37.5°	1624.4	1617.9	1627.6	1637.3	1634.1	1630.9	1643.8	1643.8	1639.0	1645.4
40°	1556.5	1550.1	1558.1	1569.5	1563.0	1563.0	1571.1	1574.3	1569.5	1575.9
42.5°	1485.4	1478.9	1488.6	1498.3	1491.9	1490.3	1500.0	1501.6	1498.3	1503.2
45°	1411.1	1404.6	1414.3	1422.4	1415.9	1415.9	1424.0	1424.0	1422.4	1428.8
47.5°	1335.1	1330.2	1338.3	1346.4	1339.9	1344.8	1344.8	1344.8	1348.0	1346.4
50°	1257.5	1252.7	1259.1	1268.8	1260.7	1262.4	1265.6	1265.6	1267.2	1268.8
52.5°	1176.7	1170.2	1176.7	1188.0	1176.7	1181.5	1183.2	1184.8	1189.6	1186.4
55°	1095.9	1089.4	1095.9	1105.6	1094.3	1100.7	1100.7	1102.3	1107.2	1104.0
57.5°	1011.8	1005.4	1015.1	1021.5	1010.2	1016.7	1016.7	1019.9	1023.1	1018.3
60°	927.8	922.9	926.2	937.5	926.2	932.6	932.6	932.6	939.1	934.2
62.5°	842.1	838.9	842.1	851.8	840.5	847.0	845.3	847.0	853.4	851.8
65°	754.8	751.6	754.8	764.5	753.2	759.7	759.7	761.3	766.1	759.7
67.5°	669.2	664.3	669.2	677.2	667.5	672.4	672.4	672.4	680.5	677.2
70°	581.9	578.6	581.9	590.0	581.9	585.1	585.1	585.1	593.2	594.8
72.5°	496.2	496.2	499.4	505.9	499.4	505.9	501.1	497.8	509.1	510.8
75°	412.2	413.8	415.4	421.9	415.4	421.9	418.6	415.4	425.1	426.7
77.5°	334.6	334.6	336.2	341.0	336.2	341.0	337.8	337.8	344.3	342.7
80°	255.4	255.4	257.0	261.8	257.0	261.8	258.6	258.6	265.1	258.6
82.5°	185.9	185.9	185.9	190.7	187.5	190.7	189.1	185.9	194.0	187.5
85°	119.6	121.2	121.2	122.8	121.2	122.8	122.8	121.2	126.1	121.2
87.5°	61.4	61.4	61.4	63.0	61.4	61.4	63.0	61.4	64.7	63.0
90°	11.3	9.7	9.7	12.9	11.3	11.3	12.9	9.7	11.3	9.7
92.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.5	6.5
95°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.8
97.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
100°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
102.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
105°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6
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	1.6	0.0	0.0	0.0	1.6



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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	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.6	1.6	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°	1.6	1.6	1.6	1.6	0.0	1.6	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
155°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
167.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
170°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
172.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
175°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
177.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



TEST NUMBER: P895217
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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	18.66	20.29	19.03	20.61	20.93	18.79	20.43	19.16	20.75	21.06
	3H	20.48	21.96	20.86	22.29	22.65	20.63	22.11	21.01	22.44	22.80
	4H	21.14	22.54	21.54	22.89	23.27	21.33	22.73	21.73	23.08	23.46
	6H	21.60	22.89	22.01	23.26	23.65	21.89	23.19	22.30	23.55	23.95
	8H	21.73	22.97	22.16	23.36	23.76	22.09	23.32	22.51	23.71	24.12
	12H	21.83	23.02	22.26	23.40	23.83	22.23	23.41	22.66	23.80	24.23
4H	2H	19.29	20.69	19.69	21.04	21.42	19.40	20.80	19.80	21.15	21.52
	3H	21.33	22.51	21.74	22.90	23.31	21.47	22.64	21.88	23.04	23.44
	4H	22.13	23.19	22.56	23.60	24.04	22.31	23.37	22.75	23.79	24.23
	6H	22.70	23.63	23.16	24.07	24.53	23.00	23.93	23.46	24.38	24.83
	8H	22.89	23.76	23.35	24.21	24.67	23.25	24.12	23.71	24.56	25.03
	12H	23.04	23.82	23.52	24.29	24.77	23.44	24.23	23.92	24.70	25.17
8H	4H	22.46	23.33	22.92	23.77	24.24	22.62	23.49	23.08	23.94	24.40
	6H	23.16	23.88	23.65	24.37	24.85	23.45	24.17	23.94	24.66	25.14
	8H	23.42	24.07	23.93	24.58	25.07	23.78	24.43	24.29	24.94	25.42
	12H	23.64	24.21	24.15	24.71	25.27	24.06	24.64	24.57	25.13	25.69
12H	4H	22.50	23.28	22.98	23.76	24.23	22.65	23.44	23.14	23.91	24.38
	6H	23.23	23.88	23.74	24.39	24.88	23.50	24.15	24.01	24.66	25.15
	8H	23.56	24.13	24.06	24.62	25.19	23.90	24.47	24.41	24.97	25.53