

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P243605

Luminaire Tested: S124RDRP-H1195D835-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-70)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124RDRP-H1195D835-X4F0-XX-UDD-A-W
Description: DEFINE 4 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

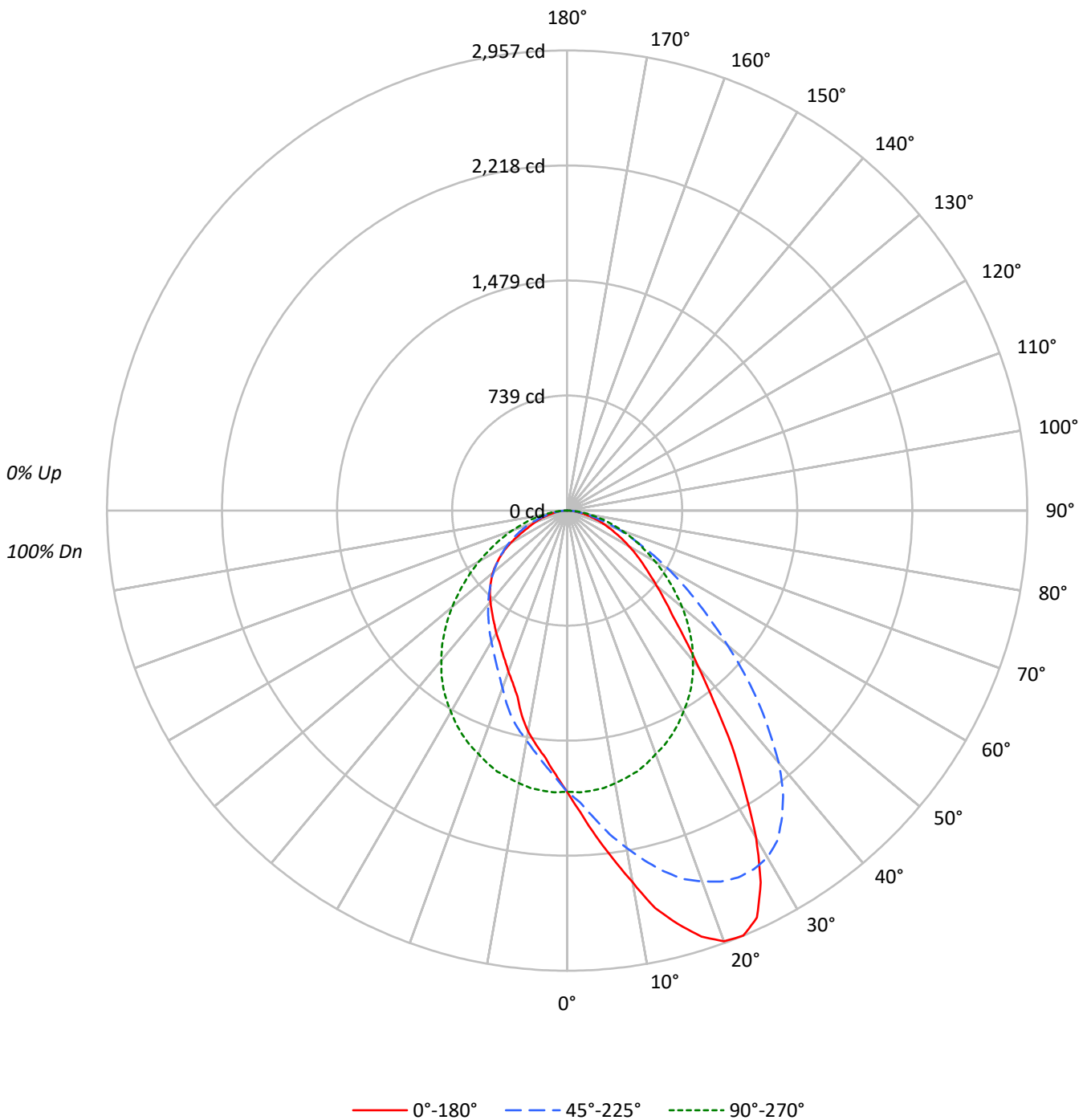
Lumens per Lamp: N/A
Luminaire Lumens: 4661.4 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.23 / 1.39
Luminous Opening: Rectangular (W 3.88' x L: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
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					
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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	105	102	98	107	103	100	97	99	96	93	95	93	91	92	90	88					86				
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75					73				
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65					63				
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57					55				
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50					48				
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44					42				
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40					38				
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36					34				
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32					31				
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	39	34	30					28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	16054	16054	16054	16054	16054
5°	18701	17690	16122	14634	14233
10°	21901	19864	16055	13541	13014
15°	25306	22083	15974	12653	11365
20°	27863	23983	15747	11489	10419
25°	28309	25515	15603	10602	9740
30°	24919	26421	15325	9977	9341
35°	19996	26124	15065	9532	9036
40°	15212	24539	14583	9148	8895
45°	12077	21803	14049	8832	8788
50°	10367	18586	13353	8549	8636
55°	9156	15782	12491	8251	8218
60°	8203	13340	11591	7877	7527
65°	7219	10977	10710	7336	6331
70°	6435	9047	9725	6726	5702
75°	5605	7102	8840	5917	5073
80°	4750	5436	7596	5006	4679
85°	4161	4447	6527	4875	4732

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 55°
 Vertical Angle: 45°
 Luminance: 23465 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	3.8
10°-20°	531.5	11.4
20°-30°	829.4	17.8
30°-40°	924.9	19.8
40°-50°	831.4	17.8
50°-60°	656.9	14.1
60°-70°	436.3	9.4
70°-80°	218.7	4.7
80°-90°	57.0	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1536.1	33.0
0°-40°	2461.0	52.8
0°-60°	3949.3	84.7
0°-90°	4661.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4661.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1806	1806	1806	1806	1806	
5°	2096	1983	1807	1640	1595	210
15°	2750	2400	1736	1375	1235	781
25°	2886	2602	1591	1081	993	1292
35°	1843	2407	1388	878	833	1145
45°	961	1734	1118	703	699	761
55°	591	1018	806	532	530	533
65°	343	522	509	349	301	344
75°	163	207	257	172	148	175
85°	41	44	64	48	46	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1
2.5°	1939.7	1932.7	1932.0	1922.8	1922.1	1913.0	1910.2	1902.4	1887.0	1875.0	1875.7
5°	2095.9	2090.2	2089.5	2080.4	2077.6	2066.3	2048.7	2027.6	2003.0	1982.6	1969.3
7.5°	2256.2	2266.1	2255.5	2255.5	2235.1	2221.8	2187.3	2169.7	2127.5	2098.0	2067.0
10°	2426.4	2435.6	2431.3	2422.9	2396.2	2368.7	2332.9	2298.4	2247.1	2200.7	2169.7
12.5°	2616.3	2588.9	2606.5	2580.4	2558.6	2515.0	2480.6	2411.6	2370.9	2303.3	2242.9
15°	2749.9	2739.4	2738.7	2721.1	2697.2	2649.4	2612.1	2540.3	2470.7	2399.7	2331.5
17.5°	2869.5	2870.9	2861.1	2832.9	2802.0	2755.6	2704.9	2640.9	2561.4	2482.7	2401.8
20°	2945.5	2946.2	2939.1	2924.4	2890.6	2848.4	2796.4	2712.7	2622.6	2535.4	2454.5
22.5°	2956.7	2958.8	2956.7	2947.6	2924.4	2889.9	2842.1	2771.0	2680.3	2580.4	2484.1
25°	2886.4	2893.4	2894.1	2906.8	2894.8	2881.5	2846.3	2786.5	2702.8	2601.5	2496.7
27.5°	2693.7	2713.4	2731.6	2754.2	2774.6	2792.8	2795.7	2764.0	2692.3	2598.0	2498.2
30°	2427.8	2451.0	2487.6	2511.5	2574.8	2614.9	2669.1	2681.0	2646.5	2574.1	2477.8
32.5°	2118.4	2143.0	2157.0	2235.8	2326.5	2392.0	2482.0	2535.4	2548.8	2514.3	2435.6
35°	1842.7	1846.9	1857.4	1946.8	2036.8	2135.9	2247.8	2340.6	2403.9	2407.4	2368.7
37.5°	1547.3	1552.2	1593.7	1661.9	1740.0	1849.0	1977.7	2109.9	2226.0	2279.4	2268.2
40°	1311.0	1309.6	1353.9	1412.9	1488.9	1602.1	1735.1	1879.2	2003.0	2114.8	2141.6
42.5°	1119.7	1124.6	1162.6	1197.0	1270.2	1349.6	1491.7	1641.5	1800.5	1922.8	2004.4
45°	960.7	973.4	999.4	1031.8	1086.6	1159.8	1275.8	1424.9	1587.4	1734.4	1832.1
47.5°	851.0	854.5	867.9	908.0	944.5	1003.6	1102.8	1229.4	1373.6	1538.1	1666.8
50°	749.7	758.2	763.1	787.0	822.9	879.1	955.8	1050.0	1192.8	1344.0	1505.1
52.5°	662.5	667.4	676.6	698.4	726.5	765.9	826.4	909.4	1028.2	1168.2	1320.1
55°	590.8	591.5	600.6	616.1	637.9	668.1	725.8	785.6	891.1	1018.4	1156.2
57.5°	526.1	521.9	530.3	539.4	560.5	586.6	623.8	685.0	767.3	875.6	1000.1
60°	461.4	464.9	464.2	474.7	486.0	512.0	543.7	583.7	651.3	750.4	855.9
62.5°	400.9	400.2	407.2	413.5	421.3	442.4	468.4	501.5	554.2	627.4	729.3
65°	343.2	344.6	350.2	355.2	363.6	377.0	396.7	423.4	465.6	521.9	607.7
67.5°	291.2	296.1	298.9	300.3	308.0	317.9	334.8	356.6	385.4	430.4	502.2
70°	247.6	249.0	250.4	255.3	258.8	264.4	277.1	289.1	315.1	348.1	400.2
72.5°	206.8	205.4	209.6	211.0	212.4	218.0	225.8	232.1	249.0	277.1	309.5
75°	163.2	163.9	164.6	166.7	172.3	173.0	176.5	183.6	195.5	206.8	228.6
77.5°	122.4	124.5	123.8	125.9	128.0	130.1	131.5	137.8	146.3	155.4	166.0
80°	92.8	92.8	92.8	94.2	92.8	97.8	97.8	99.9	102.0	106.2	113.9
82.5°	63.3	64.7	65.4	66.1	66.8	66.8	67.5	68.9	71.7	73.1	75.3
85°	40.8	39.4	40.1	40.1	40.1	40.1	41.5	42.9	42.9	43.6	45.7
87.5°	18.3	18.3	18.3	18.3	17.6	18.3	19.0	19.0	19.7	19.7	21.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1
2.5°	1871.5	1869.4	1858.8	1847.6	1837.0	1826.5	1823.0	1812.4	1799.8	1788.5	1775.9
5°	1955.2	1938.3	1915.1	1891.2	1866.6	1844.1	1826.5	1806.8	1784.3	1757.6	1736.5
7.5°	2039.6	2008.6	1970.7	1935.5	1893.3	1859.5	1825.8	1797.7	1765.3	1727.3	1698.5
10°	2121.9	2070.5	2024.1	1968.6	1915.1	1868.7	1825.8	1778.7	1735.8	1695.0	1654.9
12.5°	2187.3	2135.9	2069.1	2000.9	1932.0	1871.5	1813.8	1758.3	1704.8	1655.6	1611.3
15°	2261.8	2188.0	2105.7	2030.5	1936.2	1861.7	1795.5	1735.8	1674.6	1614.8	1566.3
17.5°	2316.7	2229.5	2127.5	2041.0	1950.3	1857.4	1778.0	1702.7	1632.4	1569.8	1519.8
20°	2358.9	2255.5	2153.5	2043.8	1935.5	1840.6	1751.2	1664.7	1593.7	1525.5	1472.7
22.5°	2377.2	2268.2	2154.9	2036.1	1920.7	1813.1	1720.3	1631.0	1550.8	1480.5	1419.3
25°	2384.9	2265.4	2147.9	2012.9	1896.1	1786.4	1683.0	1590.9	1508.6	1429.1	1368.6
27.5°	2378.6	2250.6	2115.6	1988.3	1856.0	1748.4	1638.7	1545.2	1459.4	1382.7	1315.2
30°	2361.7	2216.8	2082.5	1939.7	1812.4	1699.2	1592.3	1493.1	1406.6	1328.5	1261.7
32.5°	2318.1	2178.8	2026.2	1887.0	1749.8	1638.0	1540.9	1443.2	1355.3	1273.7	1209.0
35°	2263.9	2127.5	1967.9	1822.3	1686.5	1573.3	1475.5	1388.3	1301.8	1215.3	1149.2
37.5°	2195.7	2057.2	1903.2	1746.3	1613.4	1503.7	1414.4	1326.4	1240.6	1161.2	1087.3
40°	2103.6	1977.0	1822.3	1664.7	1531.1	1425.6	1337.7	1256.8	1180.9	1102.8	1023.3
42.5°	1989.0	1892.6	1733.0	1577.5	1446.7	1341.9	1263.8	1191.4	1118.3	1038.1	966.3
45°	1866.6	1784.3	1639.4	1482.6	1358.1	1256.1	1181.6	1117.6	1048.6	977.6	902.3
47.5°	1728.7	1667.5	1542.4	1386.9	1256.1	1168.9	1100.0	1041.6	979.0	915.7	842.6
50°	1573.3	1536.0	1429.1	1287.8	1163.3	1074.7	1017.7	965.6	912.2	848.9	786.3
52.5°	1417.9	1410.8	1311.0	1186.5	1069.0	986.7	931.2	883.4	839.8	780.0	727.2
55°	1254.7	1275.8	1192.8	1078.2	973.4	893.9	844.7	806.0	768.0	717.4	666.7
57.5°	1109.8	1133.7	1076.8	971.3	873.5	806.0	763.8	728.6	695.6	649.2	615.4
60°	949.5	993.1	962.8	866.5	780.0	719.5	680.1	652.0	624.5	584.4	554.9
62.5°	822.9	853.1	835.5	763.8	687.1	637.9	602.7	576.7	554.9	524.0	495.1
65°	687.1	725.1	716.0	668.8	601.3	556.3	529.6	509.2	486.7	462.1	438.2
67.5°	564.8	604.1	602.0	569.7	519.7	482.5	457.2	442.4	424.1	400.2	385.4
70°	454.3	490.9	492.3	476.1	441.0	405.8	387.5	374.2	360.1	342.5	332.0
72.5°	353.1	386.1	391.7	384.0	361.5	338.3	322.1	313.0	301.0	286.2	277.1
75°	263.7	287.7	301.0	297.5	288.4	272.9	263.7	257.4	245.5	234.9	227.2
77.5°	187.8	206.8	220.1	225.8	221.5	215.2	206.8	201.8	189.2	184.3	180.0
80°	125.9	142.8	154.7	158.2	160.4	158.9	151.2	148.4	142.1	140.0	135.7
82.5°	77.4	86.5	94.9	104.1	108.3	108.3	104.1	104.8	99.2	96.4	94.9
85°	47.1	49.2	50.6	57.7	63.3	65.4	63.3	64.0	61.9	59.8	57.7
87.5°	21.8	21.8	22.5	23.9	25.3	29.5	30.9	33.1	30.2	30.2	25.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1	1806.1
2.5°	1768.1	1759.0	1751.9	1740.7	1731.5	1716.8	1711.9	1711.9	1714.7	1711.1	1714.7
5°	1721.7	1704.8	1686.5	1670.4	1652.8	1640.1	1627.5	1624.6	1623.2	1614.8	1615.5
7.5°	1675.3	1652.8	1629.6	1608.5	1586.7	1567.0	1553.6	1548.0	1543.1	1537.4	1531.1
10°	1625.3	1599.3	1571.9	1548.0	1526.9	1500.2	1486.8	1482.6	1468.5	1465.7	1455.8
12.5°	1572.6	1545.9	1518.4	1487.5	1467.1	1441.1	1421.4	1412.2	1398.9	1389.0	1374.3
15°	1531.1	1497.3	1460.8	1430.5	1403.8	1375.0	1348.2	1330.7	1313.1	1285.6	1272.3
17.5°	1479.8	1441.1	1409.4	1377.1	1338.4	1296.2	1264.5	1238.5	1219.5	1197.0	1183.7
20°	1424.2	1388.3	1348.9	1303.2	1262.4	1214.6	1185.8	1164.0	1149.2	1135.8	1128.8
22.5°	1375.0	1333.5	1279.3	1235.7	1178.7	1140.8	1117.6	1103.5	1089.4	1075.4	1068.3
25°	1321.5	1273.0	1206.9	1153.4	1110.5	1081.0	1058.5	1045.1	1030.3	1021.9	1011.4
27.5°	1268.8	1206.2	1140.1	1091.5	1057.8	1023.3	1004.3	993.8	982.5	970.6	962.1
30°	1204.8	1133.7	1078.9	1034.6	1000.8	972.0	957.9	942.4	932.6	925.6	920.6
32.5°	1138.0	1069.7	1019.8	981.8	948.8	927.0	909.4	899.5	891.1	883.4	877.7
35°	1075.4	1009.2	967.0	930.5	903.0	878.4	865.1	855.9	848.9	842.6	839.8
37.5°	1013.5	957.2	911.5	882.7	853.8	834.1	821.5	813.0	808.8	802.5	803.2
40°	952.3	901.6	865.1	832.0	805.3	788.4	778.6	775.0	768.7	766.6	768.7
42.5°	897.4	851.0	815.8	784.9	761.7	745.5	737.8	732.8	730.7	730.0	730.7
45°	844.0	800.4	766.6	741.3	717.4	702.6	696.3	692.8	690.6	694.2	694.9
47.5°	790.5	751.1	720.9	691.4	671.7	661.1	654.8	652.0	654.1	655.5	660.4
50°	737.8	701.2	669.5	643.5	628.1	618.2	616.1	611.2	614.7	616.8	620.3
52.5°	684.3	651.3	623.1	598.5	582.3	576.0	571.1	569.0	573.9	573.9	577.4
55°	630.2	601.3	575.3	552.8	540.1	532.4	528.9	526.1	528.9	529.6	528.9
57.5°	579.5	552.1	524.7	505.7	495.1	486.7	483.2	481.8	481.1	483.9	483.2
60°	526.1	500.1	478.2	458.6	448.0	443.1	435.3	436.8	436.8	436.8	429.7
62.5°	472.6	446.6	427.6	414.2	401.6	393.1	391.7	389.6	385.4	384.7	375.6
65°	417.8	398.1	381.9	368.5	355.9	348.8	346.7	340.4	335.5	326.3	320.0
67.5°	367.1	353.1	334.1	322.8	312.3	303.8	296.1	291.2	281.3	272.2	266.6
70°	316.5	301.7	289.1	277.1	266.6	258.8	249.7	240.5	234.2	228.6	224.4
72.5°	265.9	253.2	242.6	231.4	220.1	212.4	205.4	198.3	195.5	192.7	190.6
75°	218.7	206.8	196.9	187.8	181.5	172.3	168.8	166.0	163.2	159.7	155.4
77.5°	173.0	163.9	156.1	148.4	142.8	137.8	135.0	126.6	119.6	118.2	116.7
80°	128.7	121.7	116.7	111.1	104.8	97.8	95.6	92.8	91.4	91.4	92.1
82.5°	90.0	85.8	80.2	75.3	73.1	70.3	70.3	69.6	68.9	69.6	69.6
85°	54.9	49.2	47.8	47.1	47.8	47.8	47.8	47.8	47.1	47.8	46.4
87.5°	23.9	26.0	26.7	24.6	25.3	23.9	24.6	24.6	24.6	25.3	24.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P243605

CATALOG NUMBER: S124RDRP-H1195D835-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1806.1	1806.1	1806.1	1806.1
2.5°	1710.4	1710.4	1703.4	1697.8
5°	1614.1	1604.9	1603.5	1595.1
7.5°	1524.1	1522.7	1519.1	1519.1
10°	1452.3	1447.4	1442.5	1441.8
12.5°	1351.1	1358.1	1349.6	1347.5
15°	1262.4	1256.8	1249.8	1235.0
17.5°	1180.2	1169.6	1166.8	1160.5
20°	1115.4	1107.7	1104.9	1101.4
22.5°	1054.3	1052.9	1044.4	1042.3
25°	1009.2	1002.2	996.6	993.1
27.5°	960.0	955.1	952.3	946.7
30°	915.0	913.6	910.1	910.1
32.5°	874.2	870.0	870.0	869.3
35°	836.9	838.3	834.1	832.7
37.5°	801.8	799.7	800.4	799.0
40°	767.3	765.9	765.9	766.6
42.5°	732.1	732.8	734.3	734.3
45°	697.0	697.7	699.1	699.1
47.5°	663.9	662.5	663.9	662.5
50°	621.7	625.9	625.2	624.5
52.5°	578.8	577.4	580.2	579.5
55°	532.4	530.3	533.1	530.3
57.5°	480.4	481.1	481.1	479.7
60°	428.3	426.2	423.4	423.4
62.5°	367.8	361.5	357.3	360.1
65°	309.5	304.5	303.1	301.0
67.5°	263.0	257.4	255.3	254.6
70°	222.9	220.1	219.4	219.4
72.5°	189.2	189.2	187.1	185.7
75°	154.0	151.2	147.7	147.7
77.5°	115.3	114.6	113.9	113.9
80°	90.0	90.0	90.7	91.4
82.5°	67.5	68.2	68.9	68.9
85°	45.7	45.7	46.4	46.4
87.5°	24.6	24.6	24.6	23.9
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243605
 CATALOG NUMBER: S124RDRP-H1195D835-X4F0-XX-UDD-A-W

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	18.99	20.52	19.35	20.83	21.15	20.68	22.22	21.05	22.53	22.84
	3H	20.22	21.60	20.60	21.92	22.28	22.16	23.54	22.54	23.87	24.23
	4H	20.65	21.94	21.05	22.29	22.67	22.71	24.00	23.10	24.35	24.72
	6H	20.93	22.12	21.34	22.49	22.88	23.09	24.29	23.50	24.65	25.04
	8H	21.01	22.15	21.44	22.54	22.94	23.21	24.35	23.64	24.74	25.14
	12H	21.07	22.16	21.50	22.54	22.97	23.29	24.38	23.72	24.76	25.19
4H	2H	20.19	21.49	20.59	21.83	22.21	21.21	22.50	21.61	22.85	23.23
	3H	21.46	22.54	21.87	22.93	23.34	22.99	24.06	23.40	24.46	24.86
	4H	21.93	22.90	22.37	23.31	23.75	23.64	24.61	24.08	25.02	25.46
	6H	22.27	23.11	22.72	23.55	24.01	24.14	24.98	24.60	25.42	25.88
	8H	22.37	23.15	22.83	23.60	24.06	24.30	25.08	24.76	25.53	25.99
	12H	22.44	23.15	22.93	23.62	24.09	24.41	25.11	24.89	25.59	26.06
8H	4H	22.34	23.13	22.81	23.57	24.04	23.77	24.56	24.23	25.00	25.47
	6H	22.74	23.39	23.24	23.88	24.36	24.37	25.02	24.86	25.51	25.99
	8H	22.89	23.47	23.40	23.98	24.47	24.59	25.17	25.10	25.68	26.17
	12H	23.01	23.52	23.52	24.02	24.58	24.77	25.28	25.28	25.77	26.34
12H	4H	22.39	23.09	22.87	23.57	24.04	23.76	24.46	24.24	24.94	25.41
	6H	22.80	23.38	23.31	23.89	24.38	24.36	24.95	24.88	25.45	25.94
	8H	22.99	23.50	23.50	24.00	24.56	24.62	25.14	25.13	25.63	26.19