

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: P243266

Luminaire Tested: S122RDRP-H1005D840-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-68)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122RDRP-H1005D840-X4F0-XX-UDD-A-W
Description: DEFINE 2 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

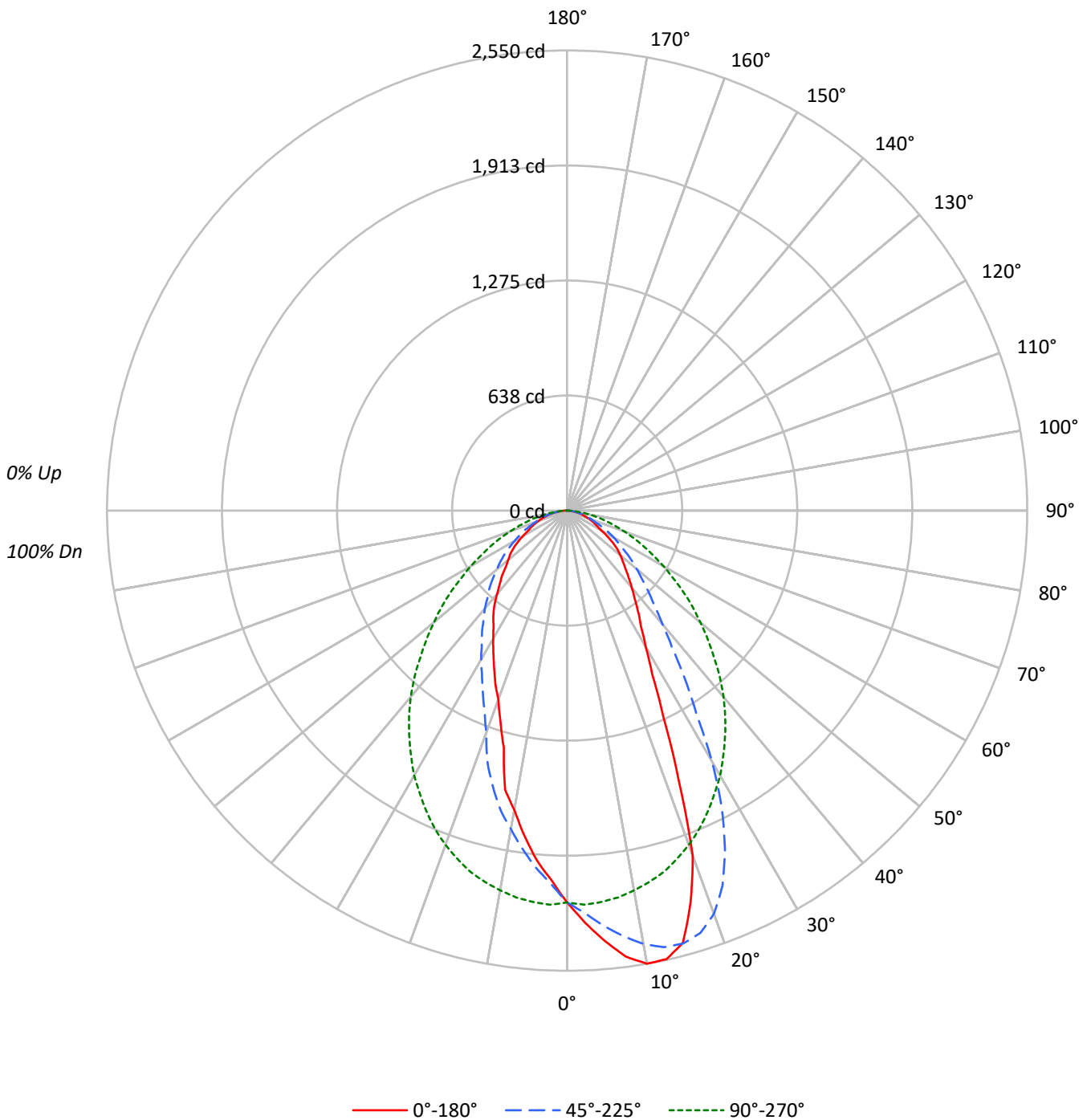
Lumens per Lamp: N/A
Luminaire Lumens: 3658.2 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 1.17 / 0.99
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P243266

CATALOG NUMBER: S122RDRP-H1005D840-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot



TEST NUMBER: P243266

CATALOG NUMBER: S122RDRP-H1005D840-X4F0-XX-UDD-A-W

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	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89					87				
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	84	80	78					76				
3	94	85	78	72	92	84	77	72	81	75	70	78	73	69	76	72	68					66				
4	87	77	69	63	85	76	68	63	73	67	62	71	65	61	69	64	60					58				
5	81	70	62	56	79	69	61	56	67	60	55	65	59	54	63	58	54					52				
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49					47				
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44					42				
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40					38				
9	62	50	43	38	61	50	42	37	48	42	37	47	41	37	46	41	37					35				
10	59	47	39	35	58	46	39	35	45	39	34	44	38	34	44	38	34					33				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	41345	41345	41345	41345	41345
5°	45767	44164	41625	37985	37157
10°	49319	47176	41337	34687	32587
15°	48883	48980	40857	31289	26779
20°	41234	48202	39952	26578	22603
25°	26511	43499	38721	23257	20122
30°	19153	35275	37289	20950	18029
35°	15954	26408	35493	19126	16582
40°	13847	20469	33521	17644	15011
45°	12359	17143	31016	16416	13738
50°	11409	14923	28560	15071	12630
55°	10238	12878	26089	14057	12028
60°	8171	11337	23486	12770	10823
65°	7491	9636	21098	11718	9988
70°	6884	7953	18629	10403	9495
75°	6270	7109	16309	9876	8993
80°	5452	6230	13558	9039	8413
85°	4349	5114	10862	8217	7758

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 41058 cd/sqm



TEST NUMBER: P243266

CATALOG NUMBER: S122RDRP-H1005D840-X4F0-XX-UDD-A-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.5	5.6
10°-20°	562.2	15.4
20°-30°	708.6	19.4
30°-40°	680.3	18.6
40°-50°	585.9	16.0
50°-60°	448.0	12.2
60°-70°	285.1	7.8
70°-80°	144.5	3.9
80°-90°	38.1	1.0
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°	1476.3	40.4
0°-40°	2156.6	59.0
0°-60°	3190.5	87.2
0°-90°	3658.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3658.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2171	2171	2171	2171	2171	
5°	2394	2310	2177	1987	1943	233
15°	2479	2484	2072	1587	1358	672
25°	1261	2070	1842	1107	957	603
35°	686	1136	1526	822	713	432
45°	459	636	1151	609	510	357
55°	308	388	786	423	362	272
65°	166	214	468	260	222	165
75°	85	97	222	134	122	90
85°	20	23	50	38	36	23
90°	0	0	0	0	0	



TEST NUMBER: P243266

CATALOG NUMBER: S122RDRP-H1005D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6
2.5°	2285.7	2288.5	2289.9	2286.4	2278.6	2279.3	2272.2	2260.1	2245.2	2231.7	2239.5
5°	2393.6	2397.2	2396.5	2390.1	2382.3	2375.2	2363.1	2346.0	2328.3	2309.8	2306.3
7.5°	2493.1	2500.9	2498.7	2486.7	2481.0	2471.0	2450.4	2431.3	2404.3	2378.0	2367.3
10°	2549.9	2556.3	2552.7	2549.9	2543.5	2533.5	2515.1	2496.6	2466.8	2439.1	2423.4
12.5°	2545.6	2551.3	2554.1	2557.0	2554.8	2551.3	2543.5	2527.9	2503.7	2478.1	2458.3
15°	2478.9	2469.6	2463.2	2481.0	2487.4	2511.5	2517.2	2519.3	2503.0	2483.8	2478.9
17.5°	2275.7	2278.6	2327.6	2319.7	2330.4	2389.4	2412.8	2444.8	2458.3	2454.0	2462.5
20°	2034.2	2000.8	2025.0	2060.5	2093.9	2179.8	2236.6	2287.1	2345.3	2378.0	2409.2
22.5°	1613.7	1614.4	1672.7	1730.9	1806.2	1899.3	1985.9	2082.5	2186.2	2249.4	2322.6
25°	1261.4	1295.5	1321.1	1346.7	1456.1	1545.6	1689.7	1806.9	1949.7	2069.7	2192.6
27.5°	1020.0	1055.5	1059.7	1117.3	1181.9	1254.3	1348.8	1533.5	1679.8	1855.9	2007.9
30°	870.8	877.9	892.8	907.7	955.3	1022.8	1124.4	1240.1	1402.8	1603.8	1807.6
32.5°	762.8	761.4	776.3	799.8	826.0	871.5	929.0	1024.9	1171.9	1331.8	1569.7
35°	686.1	684.0	694.6	703.2	718.8	755.7	807.6	870.8	976.6	1135.7	1320.4
37.5°	613.7	617.9	624.3	633.6	654.2	677.6	712.4	765.0	848.8	953.9	1130.8
40°	556.9	561.8	568.9	575.3	590.9	610.1	633.6	675.5	731.6	823.2	958.9
42.5°	505.7	507.8	513.5	522.8	534.1	551.2	573.9	605.9	652.7	716.7	835.3
45°	458.8	458.8	465.2	473.8	480.9	497.2	514.9	545.5	581.7	636.4	720.9
47.5°	419.1	419.8	423.3	424.7	432.6	447.5	466.6	490.8	520.6	562.5	641.4
50°	385.0	387.8	389.2	391.4	394.2	402.0	415.5	434.0	466.6	503.6	556.1
52.5°	349.5	353.0	355.8	360.1	364.4	365.1	375.0	387.1	409.8	448.2	490.8
55°	308.3	311.1	316.8	320.3	326.0	331.0	338.8	347.3	362.2	387.8	431.8
57.5°	261.4	262.1	267.8	271.3	282.7	294.1	301.2	310.4	321.0	338.8	372.2
60°	214.5	216.6	217.3	220.2	230.1	242.2	256.4	270.6	282.0	297.6	321.0
62.5°	188.9	189.6	191.8	194.6	195.3	201.0	205.3	222.3	242.2	257.8	273.5
65°	166.2	166.9	166.9	169.0	171.9	174.7	176.9	183.3	191.8	213.8	233.0
67.5°	144.9	144.2	145.6	147.7	148.4	150.6	154.1	157.7	163.4	169.8	189.6
70°	123.6	123.6	122.9	125.0	127.1	127.8	130.0	133.5	137.1	142.8	149.2
72.5°	102.3	103.7	103.7	105.1	105.8	108.7	110.1	111.5	116.5	119.3	124.3
75°	85.2	84.5	86.7	85.9	87.4	88.1	90.2	92.3	93.8	96.6	100.9
77.5°	68.2	66.8	68.2	67.5	68.9	70.3	70.3	72.4	73.9	76.7	78.8
80°	49.7	49.7	50.4	51.8	51.8	52.6	54.0	53.3	56.1	56.8	59.0
82.5°	34.1	34.8	34.8	35.5	35.5	35.5	36.9	36.9	37.6	39.1	39.8
85°	19.9	19.2	19.9	19.9	19.9	20.6	21.3	20.6	22.0	23.4	23.4
87.5°	5.7	5.7	6.4	7.1	7.1	7.8	7.8	7.8	8.5	8.5	9.2
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: P243266

CATALOG NUMBER: S122RDRP-H1005D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6
2.5°	2239.5	2235.9	2226.7	2218.2	2202.6	2189.8	2185.5	2186.2	2167.0	2147.2	2141.5
5°	2301.3	2288.5	2270.0	2250.9	2227.4	2204.0	2189.1	2177.0	2147.2	2117.3	2100.3
7.5°	2352.4	2331.8	2304.8	2274.3	2243.8	2208.9	2184.8	2162.1	2120.9	2080.4	2058.4
10°	2399.3	2370.2	2333.2	2293.5	2253.0	2207.5	2172.7	2137.2	2085.4	2039.9	2002.3
12.5°	2444.0	2397.9	2360.2	2302.7	2258.0	2196.2	2148.6	2107.4	2046.3	1989.5	1947.6
15°	2448.3	2415.6	2365.2	2305.5	2237.4	2179.8	2120.2	2071.9	2002.3	1939.0	1867.3
17.5°	2447.6	2422.0	2369.5	2308.4	2226.7	2151.4	2086.8	2023.6	1944.0	1870.1	1808.4
20°	2422.0	2404.3	2358.8	2286.4	2204.0	2117.3	2045.6	1971.0	1878.0	1802.0	1734.5
22.5°	2361.7	2365.9	2330.4	2265.8	2177.0	2080.4	1997.3	1911.3	1816.2	1728.8	1643.6
25°	2259.4	2304.8	2294.2	2233.8	2139.3	2033.5	1939.0	1842.4	1740.2	1647.1	1568.3
27.5°	2132.2	2217.5	2235.9	2189.1	2098.9	1980.2	1873.0	1767.9	1663.5	1563.3	1482.3
30°	1981.7	2108.8	2155.7	2130.1	2047.0	1922.7	1798.4	1695.4	1581.1	1474.5	1389.3
32.5°	1792.0	1970.3	2052.7	2060.5	1992.3	1858.8	1721.0	1610.2	1493.0	1392.1	1300.5
35°	1580.4	1799.1	1933.4	1969.6	1920.6	1788.5	1643.6	1526.4	1401.4	1299.8	1207.5
37.5°	1367.3	1624.4	1800.5	1870.9	1838.2	1710.3	1556.9	1438.3	1314.7	1211.0	1124.4
40°	1171.2	1415.6	1644.3	1754.4	1744.4	1625.8	1471.0	1348.1	1222.4	1126.5	1031.3
42.5°	995.8	1231.6	1483.0	1630.8	1638.6	1534.9	1376.5	1252.9	1132.2	1037.0	937.6
45°	857.3	1064.7	1314.0	1490.2	1524.2	1439.0	1278.5	1151.4	1041.3	951.8	852.3
47.5°	746.5	907.7	1139.3	1346.0	1406.3	1331.8	1178.3	1057.6	953.9	877.2	783.4
50°	650.6	801.9	998.6	1189.7	1278.5	1222.4	1078.9	963.8	870.1	796.2	713.8
52.5°	565.4	682.6	853.0	1036.3	1155.6	1104.5	982.3	876.5	788.4	719.5	650.6
55°	495.1	593.1	743.7	907.0	1017.1	988.7	880.0	785.6	708.1	642.8	586.7
57.5°	422.6	505.0	626.5	772.1	880.0	875.8	786.3	695.4	634.3	572.5	532.0
60°	359.4	426.2	524.9	648.5	757.2	757.9	688.3	616.5	564.0	510.7	472.3
62.5°	303.3	356.6	442.5	541.9	628.6	650.6	598.8	536.3	493.6	452.4	419.8
65°	255.0	294.8	359.4	449.6	517.8	547.6	513.5	468.1	432.6	395.6	366.5
67.5°	210.2	239.4	287.0	358.0	426.2	448.2	434.0	399.2	373.6	343.1	321.0
70°	165.5	190.4	223.7	277.0	333.1	363.7	359.4	334.5	313.2	291.2	270.6
72.5°	131.4	145.6	171.2	209.5	254.3	288.4	289.8	277.0	259.2	240.8	227.3
75°	105.8	112.2	124.3	154.1	189.6	218.1	228.0	221.6	207.4	196.0	186.8
77.5°	81.7	87.4	95.2	109.4	137.1	159.1	171.2	171.9	163.4	153.4	146.3
80°	61.1	63.2	68.9	76.0	90.2	109.4	123.6	123.6	118.6	113.6	109.4
82.5°	41.9	44.0	46.9	50.4	57.5	68.9	81.7	83.8	81.0	79.6	73.9
85°	23.4	25.6	27.0	29.1	32.0	37.6	46.9	49.7	50.4	46.2	43.3
87.5°	9.2	9.2	9.9	10.7	11.4	13.5	17.0	21.3	21.3	19.2	18.5
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: P243266

CATALOG NUMBER: S122RDRP-H1005D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6	2170.6
2.5°	2134.4	2124.4	2111.6	2100.3	2084.6	2069.0	2066.2	2071.9	2073.3	2066.2	2068.3
5°	2083.9	2065.5	2049.8	2024.3	2007.9	1986.6	1972.4	1972.4	1972.4	1961.8	1951.8
7.5°	2031.4	2006.5	1976.7	1952.5	1919.2	1891.5	1878.0	1871.6	1858.8	1848.1	1836.1
10°	1970.3	1935.5	1898.6	1860.9	1831.8	1793.4	1770.7	1756.5	1734.5	1725.3	1707.5
12.5°	1898.6	1863.8	1819.0	1757.9	1749.4	1702.5	1670.6	1644.3	1617.3	1595.3	1587.5
15°	1841.0	1780.7	1721.0	1677.7	1614.4	1586.7	1539.9	1535.6	1513.6	1449.0	1398.5
17.5°	1748.0	1694.0	1627.9	1579.6	1529.2	1467.4	1417.7	1368.7	1321.8	1276.4	1274.9
20°	1665.6	1602.4	1539.9	1487.3	1399.2	1311.2	1280.6	1235.9	1208.2	1171.9	1161.3
22.5°	1575.4	1509.3	1431.2	1354.5	1251.5	1196.1	1162.7	1127.2	1099.5	1083.2	1066.8
25°	1484.5	1418.4	1314.7	1220.2	1149.9	1106.6	1078.2	1039.8	1020.0	1005.7	984.4
27.5°	1395.7	1311.9	1202.5	1127.2	1070.4	1021.4	995.8	964.5	942.5	924.1	910.6
30°	1307.6	1192.5	1099.5	1041.3	983.0	952.5	919.1	895.7	879.3	862.3	840.3
32.5°	1211.0	1090.3	1029.9	958.2	924.1	880.0	855.9	831.7	810.4	798.3	790.5
35°	1098.8	1001.5	947.5	894.9	851.6	822.5	788.4	773.5	762.1	738.7	728.7
37.5°	1003.6	933.3	876.5	829.6	789.8	758.6	742.9	717.4	701.0	693.2	682.6
40°	924.8	862.3	813.3	765.7	732.3	709.6	681.9	668.4	647.1	639.2	630.7
42.5°	856.6	799.1	747.9	711.7	682.6	651.3	637.1	614.4	605.2	586.0	578.9
45°	787.7	736.6	691.8	656.3	628.6	609.4	583.8	569.6	553.3	543.4	524.2
47.5°	718.8	673.3	636.4	606.6	582.4	559.0	537.7	525.6	505.0	494.3	484.4
50°	665.5	621.5	586.7	556.9	532.0	508.6	495.1	475.2	456.7	444.6	441.1
52.5°	602.3	564.0	532.0	509.3	484.4	467.4	448.9	426.9	417.6	405.6	402.7
55°	546.2	514.9	488.0	463.8	442.5	423.3	402.0	386.4	379.3	373.6	369.3
57.5°	493.6	463.8	438.9	416.9	398.5	378.6	360.8	351.6	345.2	338.8	334.5
60°	441.8	414.8	392.1	373.6	354.4	335.2	322.5	314.7	309.7	300.4	297.6
62.5°	395.6	370.8	347.3	330.3	312.5	297.6	287.0	276.3	268.5	261.4	246.5
65°	345.2	323.2	305.4	288.4	271.3	260.0	247.9	235.8	225.9	225.9	225.9
67.5°	300.4	281.3	262.8	247.9	233.0	219.5	207.4	206.7	203.1	201.7	199.6
70°	255.0	241.5	224.4	208.1	193.2	186.8	184.7	181.1	176.9	176.1	173.3
72.5°	213.8	198.2	182.5	168.3	165.5	162.7	158.4	154.8	152.0	149.9	148.4
75°	174.7	159.1	146.3	142.8	139.2	134.2	130.7	127.8	126.4	126.4	125.7
77.5°	133.5	124.3	118.6	112.9	110.1	107.3	105.1	103.7	101.6	102.3	100.9
80°	98.0	95.2	90.2	86.7	85.2	82.4	81.0	80.3	78.8	78.8	78.1
82.5°	70.3	65.3	63.2	61.1	59.7	58.2	59.0	58.2	57.5	56.8	57.5
85°	40.5	39.8	38.4	38.4	38.4	37.6	37.6	37.6	36.9	36.2	36.2
87.5°	17.8	18.5	18.5	17.0	19.2	19.2	18.5	18.5	17.8	19.2	17.8
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: P243266

CATALOG NUMBER: S122RDRP-H1005D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2170.6	2170.6	2170.6	2170.6
2.5°	2059.1	2058.4	2054.1	2047.0
5°	1947.6	1944.7	1937.6	1943.3
7.5°	1828.2	1820.4	1813.3	1816.9
10°	1700.4	1697.6	1693.3	1684.8
12.5°	1559.0	1570.4	1558.3	1585.3
15°	1349.5	1399.9	1336.7	1358.0
17.5°	1245.1	1245.8	1237.3	1227.4
20°	1147.1	1122.2	1131.5	1115.1
22.5°	1052.6	1046.9	1044.1	1038.4
25°	968.1	957.4	953.9	957.4
27.5°	905.6	900.6	887.1	885.0
30°	827.5	825.3	821.1	819.7
32.5°	778.5	769.2	767.1	758.6
35°	723.8	718.8	715.2	713.1
37.5°	669.1	666.2	659.8	663.4
40°	624.3	610.1	604.4	603.7
42.5°	575.3	567.5	556.1	552.6
45°	518.5	514.9	511.4	510.0
47.5°	468.8	466.6	462.4	460.3
50°	433.3	427.6	426.9	426.2
52.5°	399.2	397.0	394.9	397.8
55°	367.2	364.4	362.2	362.2
57.5°	332.4	327.4	323.2	323.9
60°	291.9	289.1	285.5	284.1
62.5°	245.0	245.0	244.3	244.3
65°	223.0	221.6	220.9	221.6
67.5°	198.9	197.5	195.3	196.0
70°	171.2	170.5	171.2	170.5
72.5°	146.3	145.6	146.3	147.7
75°	123.6	122.9	122.2	122.2
77.5°	100.1	99.4	98.0	99.4
80°	78.1	77.4	76.7	76.7
82.5°	55.4	56.1	55.4	55.4
85°	36.2	36.9	36.2	35.5
87.5°	18.5	19.2	17.8	17.0
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243266
 CATALOG NUMBER: S122RDRP-H1005D840-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	17.77	19.23	18.14	19.54	19.86	24.10	25.56	24.47	25.87	26.19
	3H	18.94	20.25	19.32	20.58	20.94	25.35	26.66	25.73	26.99	27.35
	4H	19.40	20.62	19.80	20.97	21.35	25.79	27.01	26.19	27.36	27.74
	6H	19.73	20.86	20.15	21.23	21.62	26.08	27.21	26.50	27.58	27.97
	8H	19.83	20.90	20.26	21.29	21.69	26.17	27.24	26.59	27.63	28.03
	12H	19.88	20.91	20.32	21.29	21.72	26.21	27.24	26.65	27.62	28.05
4H	2H	18.50	19.72	18.90	20.07	20.45	24.08	25.31	24.49	25.65	26.03
	3H	19.82	20.83	20.24	21.24	21.64	25.47	26.48	25.88	26.88	27.28
	4H	20.38	21.28	20.81	21.70	22.14	26.00	26.91	26.43	27.32	27.76
	6H	20.81	21.59	21.27	22.04	22.50	26.42	27.20	26.88	27.65	28.11
	8H	20.94	21.67	21.40	22.12	22.59	26.55	27.28	27.01	27.73	28.20
	12H	21.02	21.67	21.50	22.15	22.63	26.64	27.30	27.12	27.78	28.25
8H	4H	20.72	21.46	21.19	21.90	22.37	26.00	26.73	26.46	27.18	27.65
	6H	21.25	21.85	21.74	22.34	22.82	26.46	27.07	26.96	27.56	28.04
	8H	21.43	21.97	21.95	22.49	22.97	26.63	27.18	27.15	27.69	28.18
	12H	21.56	22.04	22.07	22.54	23.10	26.78	27.26	27.29	27.75	28.31
12H	4H	20.76	21.42	21.25	21.90	22.37	25.98	26.63	26.46	27.11	27.58
	6H	21.31	21.85	21.82	22.36	22.85	26.44	26.98	26.96	27.50	27.98
	8H	21.54	22.02	22.05	22.51	23.08	26.64	27.12	27.16	27.62	28.18