

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: P242411

Luminaire Tested: S122RDRP-S1005D930-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P242411  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122RDRP-S1005D930-X4F0-XX-UDD-A-W  
Description: DEFINE 2 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER  
STANDARD LIGHT ENGINE  
Light Source: (92) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

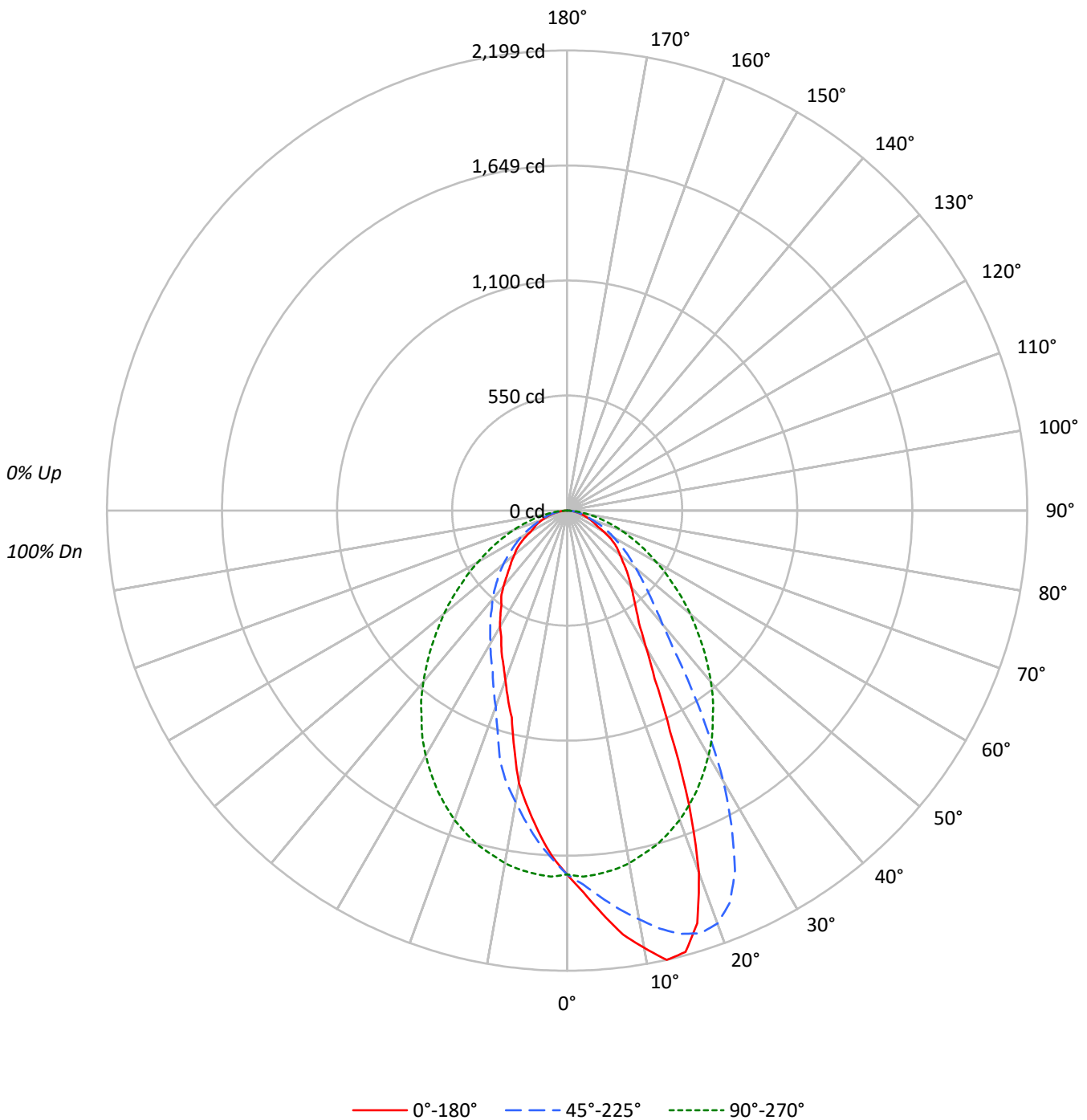
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3004.9 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 41.1  
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	111	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	87	83	80	84	81	78					76				
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68					66				
4	87	77	69	63	85	76	68	63	73	67	62	71	66	61	69	64	60					59				
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	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					39				
9	62	50	43	38	61	50	42	37	49	42	37	47	41	37	47	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°	33122	33122	33122	33122	33122
5°	36992	35467	33329	30371	29551
10°	41043	38366	33095	27368	25616
15°	43060	41297	32610	24413	20183
20°	37330	42571	31891	20219	17465
25°	24482	39886	30907	17702	15594
30°	16478	32838	29714	16120	14114
35°	13347	23983	28210	14863	12729
40°	11868	17622	26576	13716	11779
45°	10743	14649	24659	12712	10514
50°	9776	12695	22755	11747	9740
55°	9189	11238	20646	10613	9069
60°	7688	9783	18712	9737	7596
65°	6481	8712	16992	8658	7351
70°	5987	6934	15176	7641	6934
75°	5601	6270	13203	7205	6403
80°	5166	5704	10870	6296	5704
85°	4764	4895	8589	5027	5027

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 70°  
 Vertical Angle: 45°  
 Luminance: 35921 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.9	5.5
10°-20°	460.4	15.3
20°-30°	592.5	19.7
30°-40°	562.1	18.7
40°-50°	481.6	16.0
50°-60°	366.9	12.2
60°-70°	231.4	7.7
70°-80°	115.5	3.8
80°-90°	29.7	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°	1217.8	40.5
0°-40°	1779.8	59.2
0°-60°	2628.3	87.5
0°-90°	3004.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3004.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1739	1739	1739	1739	1739	
5°	1935	1855	1743	1588	1546	191
15°	2184	2094	1654	1238	1024	594
25°	1165	1898	1471	842	742	550
35°	574	1031	1213	639	547	365
45°	399	544	915	472	390	308
55°	277	338	622	320	273	244
65°	144	193	377	192	163	145
75°	76	85	179	98	87	81
85°	22	22	39	23	23	24
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°	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9
2.5°	1827.1	1828.9	1830.7	1826.5	1826.5	1822.9	1815.0	1809.0	1792.1	1789.6	1789.6
5°	1934.7	1933.4	1935.9	1928.0	1917.1	1914.7	1903.2	1888.1	1872.4	1854.9	1851.3
7.5°	2043.4	2036.2	2033.1	2036.8	2025.3	2009.6	1990.2	1972.1	1944.9	1922.6	1908.7
10°	2122.0	2141.9	2129.8	2108.7	2112.9	2084.5	2069.4	2043.4	2021.7	1983.6	1975.1
12.5°	2199.3	2204.1	2202.3	2192.6	2184.8	2167.3	2145.5	2123.8	2079.1	2045.8	2010.8
15°	2183.6	2195.1	2198.1	2194.5	2197.5	2196.3	2185.4	2166.7	2131.6	2094.2	2061.5
17.5°	2067.6	2080.9	2091.7	2101.4	2116.5	2146.1	2155.2	2158.8	2144.3	2117.7	2090.5
20°	1841.6	1828.3	1883.9	1912.3	1936.5	1996.9	2048.8	2068.8	2100.8	2100.2	2094.2
22.5°	1521.4	1528.6	1580.6	1615.6	1697.8	1758.2	1819.2	1908.1	1977.5	2028.9	2060.3
25°	1164.9	1187.9	1240.4	1286.3	1364.9	1477.3	1579.4	1697.8	1809.6	1897.8	1981.8
27.5°	906.3	909.3	957.1	1003.6	1051.9	1149.2	1285.7	1427.7	1587.2	1702.0	1847.0
30°	749.2	745.6	763.1	789.1	829.0	900.3	996.9	1135.9	1294.8	1493.0	1669.4
32.5°	638.0	639.2	651.3	668.9	700.3	742.6	801.2	907.5	1055.5	1249.5	1464.0
35°	574.0	573.4	583.1	597.0	610.8	641.7	687.0	746.2	849.5	1031.4	1242.8
37.5°	520.8	523.8	528.1	537.1	554.1	572.2	600.6	642.3	720.8	833.8	1023.5
40°	477.3	478.5	485.2	492.4	501.5	514.8	537.1	569.2	622.9	708.7	838.6
42.5°	437.4	438.6	442.9	449.5	456.2	469.5	487.0	513.6	554.7	616.9	718.4
45°	398.8	398.8	403.0	406.0	413.9	426.0	441.1	464.0	494.2	543.8	615.1
47.5°	361.3	361.3	364.3	369.8	375.2	384.9	400.6	419.9	441.7	482.2	545.6
50°	329.9	330.5	332.3	336.5	339.6	348.0	359.5	375.8	398.8	428.4	479.1
52.5°	304.5	303.9	306.3	307.5	309.4	314.8	322.6	336.5	356.5	381.3	421.1
55°	276.7	274.3	277.9	281.0	282.8	285.2	290.0	299.1	316.6	338.4	369.8
57.5°	244.1	242.9	244.7	247.7	253.2	259.2	262.2	268.3	277.3	294.2	327.5
60°	201.8	201.8	207.2	209.1	215.7	224.2	232.6	237.5	246.5	256.8	279.7
62.5°	164.3	164.9	166.8	168.6	171.6	182.5	195.2	207.2	215.7	225.4	238.7
65°	143.8	145.0	145.0	146.2	148.6	151.1	155.9	164.3	179.4	193.3	204.8
67.5°	125.7	125.7	126.3	127.5	128.1	131.1	132.9	137.2	140.2	155.9	171.6
70°	107.5	109.4	108.8	110.0	110.6	111.8	114.2	116.0	121.4	124.5	132.9
72.5°	90.6	91.8	91.8	92.4	94.3	94.3	96.1	97.9	100.9	103.3	106.9
75°	76.1	75.5	76.1	77.3	77.9	78.5	78.5	81.0	82.8	85.2	88.2
77.5°	61.6	62.2	62.2	62.2	62.2	63.4	63.4	64.6	66.5	67.7	69.5
80°	47.1	47.7	47.1	47.7	48.3	48.9	48.3	48.9	50.8	52.0	52.0
82.5°	33.8	33.8	34.4	34.4	34.4	34.4	35.6	35.6	36.9	36.3	36.9
85°	21.8	21.1	21.1	21.1	21.8	22.4	21.8	21.8	22.4	22.4	22.4
87.5°	9.7	10.3	10.3	10.3	10.3	10.3	10.3	10.9	10.3	10.9	10.3
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9
2.5°	1790.9	1786.0	1781.8	1770.9	1765.5	1753.4	1751.6	1751.0	1735.3	1720.2	1715.9
5°	1841.6	1831.9	1817.4	1800.5	1783.0	1764.9	1752.8	1743.1	1719.0	1696.0	1682.7
7.5°	1891.8	1874.2	1851.3	1822.3	1797.5	1768.5	1748.6	1730.4	1697.2	1667.0	1647.1
10°	1949.2	1915.3	1882.1	1838.0	1803.5	1769.7	1738.3	1711.1	1672.4	1628.9	1598.1
12.5°	1984.8	1946.7	1897.8	1854.9	1807.8	1762.5	1717.7	1680.9	1633.8	1588.4	1550.4
15°	2016.2	1976.3	1920.8	1859.1	1801.7	1745.5	1697.2	1653.7	1594.5	1540.7	1496.0
17.5°	2045.2	1990.2	1932.8	1861.5	1798.1	1729.8	1668.8	1614.4	1549.8	1486.3	1435.6
20°	2057.9	2003.5	1934.7	1863.4	1784.8	1700.8	1633.8	1573.3	1502.6	1432.0	1371.5
22.5°	2050.1	2010.8	1932.2	1843.4	1762.5	1673.6	1595.7	1523.2	1442.8	1370.3	1297.8
25°	2009.0	1994.5	1922.0	1828.9	1737.1	1635.0	1547.4	1470.6	1381.2	1303.9	1227.7
27.5°	1933.4	1954.6	1903.2	1802.3	1703.2	1593.3	1497.8	1411.4	1320.2	1233.8	1157.6
30°	1813.8	1885.7	1866.4	1774.5	1660.3	1552.8	1442.2	1351.0	1251.9	1162.5	1087.6
32.5°	1650.1	1780.6	1809.0	1735.9	1616.8	1496.0	1378.8	1288.2	1183.6	1088.2	1015.7
35°	1474.3	1651.9	1733.5	1684.5	1566.1	1438.6	1319.0	1213.2	1109.3	1016.3	943.8
37.5°	1265.8	1502.6	1628.3	1622.9	1509.9	1380.0	1250.1	1145.6	1038.6	946.8	871.3
40°	1064.0	1326.2	1503.3	1542.5	1450.7	1307.5	1175.8	1068.8	964.9	875.5	785.5
42.5°	882.7	1143.8	1371.5	1447.1	1378.8	1236.8	1104.5	991.5	891.2	807.8	715.4
45°	743.2	971.6	1211.4	1333.5	1293.0	1161.3	1021.7	915.4	820.5	747.4	659.2
47.5°	643.5	809.6	1050.7	1210.2	1205.4	1080.3	941.3	839.2	749.8	682.1	607.2
50°	560.7	700.9	897.2	1084.5	1100.2	999.3	868.8	767.9	685.8	613.9	556.5
52.5°	486.4	595.7	767.3	945.0	996.9	912.9	787.3	696.0	616.9	552.2	505.1
55°	423.5	513.0	647.1	815.1	882.7	821.1	708.7	621.7	557.1	501.5	459.2
57.5°	368.6	438.6	550.4	691.2	767.9	726.2	630.2	558.3	500.9	448.9	415.1
60°	317.2	372.2	463.4	576.4	663.4	636.2	557.1	491.2	444.1	400.6	369.2
62.5°	268.9	314.2	389.1	475.5	553.4	546.2	485.2	432.6	392.7	354.1	328.7
65°	224.2	258.6	319.6	391.5	455.6	461.0	414.5	377.0	340.2	308.7	285.2
67.5°	185.5	209.1	255.0	318.4	367.4	384.3	352.9	322.6	292.4	267.1	245.9
70°	150.4	168.6	200.0	248.9	293.0	311.2	294.9	272.5	247.1	227.2	209.7
72.5°	114.8	132.3	153.5	186.1	222.3	242.3	239.3	224.8	205.4	189.7	173.4
75°	91.8	97.3	113.0	137.2	166.8	183.7	187.9	179.4	163.1	150.4	140.8
77.5°	71.3	74.9	83.4	97.9	118.4	133.5	140.2	139.0	126.9	118.4	109.4
80°	54.4	56.2	59.8	65.3	79.8	94.9	99.1	99.1	91.2	88.2	79.2
82.5°	38.1	39.3	41.1	43.5	48.3	61.0	65.9	67.1	62.8	58.6	52.0
85°	23.6	23.0	24.2	26.0	27.2	30.8	38.1	39.3	38.1	33.2	31.4
87.5°	10.3	10.9	10.9	10.3	10.9	11.5	14.5	17.5	15.1	13.3	12.1
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9	1738.9
2.5°	1708.1	1703.8	1696.0	1683.9	1676.7	1664.0	1655.5	1660.3	1661.6	1660.3	1659.1
5°	1668.2	1655.5	1638.0	1621.1	1605.4	1588.4	1578.8	1574.5	1566.1	1561.3	1558.8
7.5°	1622.9	1604.2	1579.4	1552.2	1526.8	1502.6	1491.8	1483.3	1467.6	1459.1	1451.3
10°	1570.9	1536.5	1511.7	1473.0	1449.5	1415.0	1391.5	1392.1	1368.5	1355.2	1345.6
12.5°	1513.5	1474.9	1429.5	1395.7	1360.7	1334.7	1305.1	1290.6	1265.2	1252.5	1222.3
15°	1448.9	1404.8	1361.3	1314.1	1280.9	1238.0	1196.9	1146.8	1106.3	1071.2	1061.6
17.5°	1380.0	1325.6	1282.7	1234.4	1182.4	1104.5	1053.7	1022.9	998.7	980.6	966.1
20°	1308.7	1253.1	1206.6	1123.2	1046.5	997.5	962.5	940.1	914.8	894.8	883.9
22.5°	1233.8	1175.2	1107.5	1012.0	956.5	919.6	889.4	862.8	847.7	833.2	823.5
25°	1163.7	1100.2	995.7	931.7	883.3	842.3	820.5	804.8	786.7	765.5	755.9
27.5°	1090.6	989.7	910.5	864.0	814.5	788.5	769.8	743.8	727.5	719.6	708.7
30°	1006.6	905.7	847.1	795.1	762.5	732.9	709.9	696.6	680.9	664.6	658.0
32.5°	912.9	837.4	781.8	740.8	707.5	683.4	666.4	642.9	632.6	624.1	608.4
35°	838.6	777.6	726.2	691.2	659.8	639.2	618.1	605.4	584.9	576.4	571.0
37.5°	771.0	717.8	679.1	640.5	616.3	592.1	580.0	558.9	551.0	537.7	526.9
40°	715.4	663.4	626.6	596.3	568.6	551.6	535.3	519.0	505.7	500.3	486.4
42.5°	658.6	618.7	581.8	548.0	531.7	513.6	491.8	480.9	467.0	457.4	450.1
45°	607.2	569.8	538.3	511.2	490.6	471.9	458.6	438.6	430.8	413.3	406.0
47.5°	561.9	525.7	495.4	468.9	448.3	437.4	418.1	400.6	389.7	377.6	367.4
50°	513.0	484.0	455.0	432.0	413.9	396.4	376.4	368.6	349.2	343.8	338.4
52.5°	468.3	441.1	415.1	392.7	374.6	357.7	340.8	329.9	318.4	313.0	309.4
55°	427.2	400.6	375.2	355.3	337.1	319.6	308.7	296.1	290.0	285.8	281.0
57.5°	384.9	360.7	340.8	320.2	302.1	287.6	274.3	267.1	261.0	256.2	249.5
60°	345.0	322.0	304.5	285.8	267.1	255.6	245.9	236.8	229.6	221.1	218.7
62.5°	302.7	283.4	267.7	249.5	233.8	223.6	214.5	206.0	197.0	183.7	180.1
65°	264.6	248.9	232.0	216.9	202.4	192.1	178.8	169.2	165.6	164.3	163.7
67.5°	229.6	214.5	200.0	184.3	171.0	159.5	151.7	150.4	148.0	147.4	145.6
70°	194.6	180.7	166.2	151.7	139.0	137.2	134.7	132.3	129.3	128.1	126.9
72.5°	163.1	148.6	134.1	123.3	119.6	117.2	114.8	112.4	110.6	109.4	108.8
75°	129.9	116.6	106.9	102.7	99.7	97.9	94.3	92.4	91.2	89.4	88.8
77.5°	99.1	90.6	85.8	83.4	79.8	77.9	75.5	73.7	71.9	71.9	70.7
80°	71.3	67.7	64.6	61.0	59.8	57.4	56.8	55.0	55.6	53.8	53.8
82.5°	51.4	46.5	44.1	42.9	41.7	39.9	39.3	38.7	38.7	37.5	37.5
85°	28.4	27.2	26.0	24.8	24.8	23.0	23.6	23.0	23.0	21.8	21.1
87.5°	11.5	10.9	9.7	9.7	9.7	9.1	9.1	8.5	8.5	8.5	7.9
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: P242411

CATALOG NUMBER: S122RDRP-S1005D930-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1738.9	1738.9	1738.9	1738.9
2.5°	1652.5	1653.7	1651.9	1653.1
5°	1555.8	1548.6	1547.4	1545.5
7.5°	1441.6	1441.0	1437.4	1433.2
10°	1332.3	1329.2	1328.6	1324.4
12.5°	1204.2	1180.6	1178.2	1166.1
15°	1047.1	1043.5	1031.4	1023.5
17.5°	959.5	947.4	943.2	941.3
20°	875.5	864.6	862.8	861.6
22.5°	817.5	806.0	800.6	796.3
25°	749.8	745.6	743.2	742.0
27.5°	696.6	685.8	684.6	681.5
30°	652.5	649.5	645.3	641.7
32.5°	600.6	598.2	594.5	593.3
35°	564.9	556.5	552.8	547.4
37.5°	525.7	520.8	514.8	517.2
40°	478.5	475.5	474.3	473.7
42.5°	441.1	431.4	427.8	427.8
45°	403.0	395.1	389.7	390.3
47.5°	361.9	362.5	358.9	360.1
50°	334.1	330.5	328.1	328.7
52.5°	307.5	304.5	302.7	305.7
55°	277.9	274.3	273.7	273.1
57.5°	245.9	244.1	241.1	239.3
60°	210.9	206.0	200.0	199.4
62.5°	178.8	178.8	178.8	178.8
65°	162.5	161.9	162.5	163.1
67.5°	145.6	144.4	143.2	143.8
70°	125.7	125.1	124.5	124.5
72.5°	106.3	106.3	105.7	105.1
75°	88.2	87.0	87.0	87.0
77.5°	70.7	70.1	69.5	68.9
80°	53.2	52.6	52.0	52.0
82.5°	37.5	36.9	36.9	36.3
85°	21.8	22.4	21.8	23.0
87.5°	7.9	7.3	7.9	7.3
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242411  
 CATALOG NUMBER: S122RDRP-S1005D930-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	17.70	19.15	18.06	19.46	19.78	23.60	25.05	23.96	25.36	25.68
	3H	18.81	20.11	19.19	20.44	20.80	24.75	26.05	25.13	26.38	26.74
	4H	19.26	20.48	19.66	20.83	21.21	25.15	26.36	25.55	26.71	27.09
	6H	19.63	20.75	20.04	21.12	21.51	25.41	26.53	25.83	26.90	27.30
	8H	19.75	20.82	20.18	21.21	21.61	25.48	26.55	25.91	26.94	27.34
	12H	19.83	20.85	20.26	21.24	21.67	25.52	26.54	25.95	26.92	27.35
4H	2H	18.41	19.62	18.81	19.97	20.35	23.56	24.77	23.96	25.12	25.50
	3H	19.68	20.68	20.09	21.08	21.49	24.86	25.86	25.27	26.26	26.66
	4H	20.23	21.13	20.66	21.55	21.99	25.35	26.25	25.78	26.67	27.11
	6H	20.70	21.48	21.16	21.92	22.39	25.73	26.52	26.19	26.96	27.42
	8H	20.86	21.59	21.32	22.03	22.50	25.85	26.58	26.31	27.03	27.49
	12H	20.97	21.63	21.46	22.11	22.58	25.92	26.58	26.41	27.06	27.53
8H	4H	20.57	21.30	21.03	21.75	22.22	25.33	26.07	25.80	26.51	26.98
	6H	21.14	21.74	21.64	22.23	22.71	25.76	26.36	26.26	26.86	27.34
	8H	21.36	21.90	21.88	22.41	22.90	25.91	26.45	26.43	26.96	27.45
	12H	21.55	22.02	22.06	22.52	23.09	26.03	26.51	26.54	27.00	27.57
12H	4H	20.61	21.26	21.09	21.74	22.21	25.31	25.96	25.79	26.44	26.91
	6H	21.20	21.74	21.72	22.25	22.74	25.73	26.28	26.25	26.79	27.28
	8H	21.48	21.96	21.99	22.45	23.02	25.92	26.39	26.43	26.89	27.45