

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: P243251

Luminaire Tested: S122RDRP-H1005D927-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P243251  
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-H1005D927-X4F0-XX-UDD-A-W  
Description: DEFINE 2 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.  
HIGH PERFORMANCE LIGHT ENGINE  
Light Source: (184) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

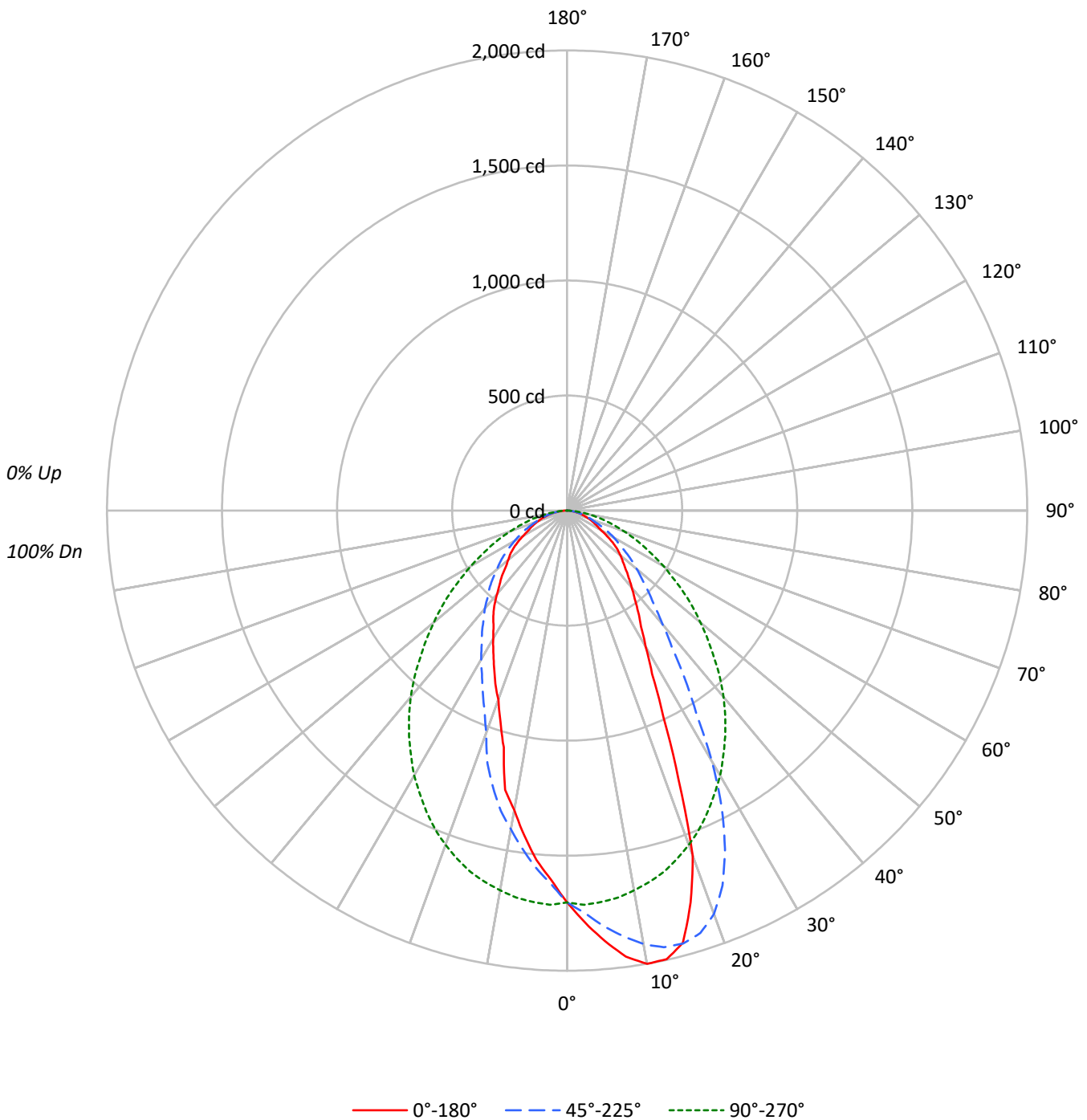
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2869.6 lumens  
Efficiency: N/A  
Efficacy: 76.1 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

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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	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°	32433	32433	32433	32433	32433
5°	35903	34644	32652	29797	29147
10°	38687	37006	32426	27212	25562
15°	38345	38422	32050	24545	21007
20°	32345	37812	31340	20848	17732
25°	20796	34123	30376	18245	15786
30°	15024	27671	29253	16434	14142
35°	12515	20716	27843	15003	13008
40°	10861	16058	26295	13840	11776
45°	9695	13447	24330	12879	10775
50°	8949	11705	22405	11821	9906
55°	8030	10102	20463	11029	9438
60°	6411	8895	18423	10019	8491
65°	5877	7558	16550	9190	7833
70°	5397	6237	14614	8159	7446
75°	4923	5578	12791	7750	7050
80°	4278	4892	10629	7086	6603
85°	3409	4021	8523	6447	6097

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 32209 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.2	5.6
10°-20°	441.0	15.4
20°-30°	555.9	19.4
30°-40°	533.7	18.6
40°-50°	459.6	16.0
50°-60°	351.4	12.2
60°-70°	223.6	7.8
70°-80°	113.3	3.9
80°-90°	29.9	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°	1158.1	40.4
0°-40°	1691.7	59.0
0°-60°	2502.8	87.2
0°-90°	2869.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2869.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1703	1703	1703	1703	1703	
5°	1878	1812	1708	1558	1524	183
15°	1944	1948	1625	1245	1065	527
25°	990	1624	1445	868	751	473
35°	538	891	1197	645	559	339
45°	360	499	903	478	400	280
55°	242	304	616	332	284	213
65°	130	168	367	204	174	130
75°	67	76	174	105	96	71
85°	16	18	39	30	28	18
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°	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7
2.5°	1793.0	1795.2	1796.3	1793.5	1787.4	1788.0	1782.4	1772.9	1761.2	1750.6	1756.8
5°	1877.7	1880.4	1879.9	1874.9	1868.7	1863.2	1853.7	1840.3	1826.4	1811.9	1809.1
7.5°	1955.7	1961.8	1960.1	1950.6	1946.2	1938.4	1922.2	1907.2	1886.0	1865.4	1857.0
10°	2000.2	2005.3	2002.5	2000.2	1995.2	1987.4	1972.9	1958.4	1935.0	1913.3	1901.1
12.5°	1996.9	2001.3	2003.6	2005.8	2004.1	2001.3	1995.2	1983.0	1964.0	1944.0	1928.4
15°	1944.5	1937.3	1932.3	1946.2	1951.2	1970.1	1974.6	1976.3	1963.5	1948.4	1944.5
17.5°	1785.2	1787.4	1825.8	1819.7	1828.1	1874.3	1892.7	1917.8	1928.4	1925.0	1931.7
20°	1595.7	1569.5	1588.5	1616.3	1642.5	1710.0	1754.5	1794.1	1839.8	1865.4	1889.9
22.5°	1265.9	1266.4	1312.1	1357.8	1416.9	1489.9	1557.8	1633.6	1715.0	1764.6	1821.9
25°	989.5	1016.3	1036.3	1056.4	1142.2	1212.4	1325.5	1417.4	1529.4	1623.6	1720.0
27.5°	800.1	828.0	831.3	876.4	927.1	984.0	1058.1	1202.9	1317.7	1455.9	1575.1
30°	683.1	688.7	700.4	712.1	749.4	802.3	882.0	972.8	1100.4	1258.1	1418.0
32.5°	598.4	597.3	609.0	627.4	648.0	683.6	728.8	804.0	919.3	1044.7	1231.3
35°	538.2	536.6	544.9	551.6	563.9	592.8	633.5	683.1	766.1	890.9	1035.8
37.5°	481.4	484.7	489.8	497.0	513.2	531.5	558.8	600.1	665.8	748.3	887.0
40°	436.8	440.7	446.3	451.3	463.6	478.6	497.0	529.9	573.9	645.8	752.2
42.5°	396.7	398.4	402.8	410.1	419.0	432.4	450.2	475.3	512.0	562.2	655.2
45°	359.9	359.9	364.9	371.6	377.2	390.0	403.9	427.9	456.3	499.2	565.5
47.5°	328.7	329.3	332.1	333.2	339.3	351.0	366.1	385.0	408.4	441.3	503.1
50°	302.0	304.2	305.3	307.0	309.2	315.4	325.9	340.4	366.1	395.0	436.3
52.5°	274.1	276.9	279.1	282.5	285.8	286.4	294.2	303.7	321.5	351.6	385.0
55°	241.8	244.0	248.5	251.3	255.7	259.6	265.8	272.5	284.2	304.2	338.8
57.5°	205.0	205.6	210.1	212.8	221.8	230.7	236.2	243.5	251.8	265.8	292.0
60°	168.3	169.9	170.5	172.7	180.5	190.0	201.1	212.3	221.2	233.5	251.8
62.5°	148.2	148.8	150.4	152.7	153.2	157.7	161.0	174.4	190.0	202.3	214.5
65°	130.4	130.9	130.9	132.6	134.8	137.1	138.7	143.7	150.4	167.7	182.8
67.5°	113.7	113.1	114.2	115.9	116.4	118.1	120.9	123.7	128.1	133.2	148.8
70°	96.9	96.9	96.4	98.1	99.7	100.3	102.0	104.7	107.5	112.0	117.0
72.5°	80.2	81.3	81.3	82.5	83.0	85.2	86.4	87.5	91.4	93.6	97.5
75°	66.9	66.3	68.0	67.4	68.5	69.1	70.8	72.4	73.5	75.8	79.1
77.5°	53.5	52.4	53.5	52.9	54.0	55.2	55.2	56.8	57.9	60.2	61.8
80°	39.0	39.0	39.6	40.7	40.7	41.2	42.3	41.8	44.0	44.6	46.2
82.5°	26.7	27.3	27.3	27.9	27.9	27.9	29.0	29.0	29.5	30.6	31.2
85°	15.6	15.0	15.6	15.6	15.6	16.2	16.7	16.2	17.3	18.4	18.4
87.5°	4.5	4.5	5.0	5.6	5.6	6.1	6.1	6.1	6.7	6.7	7.2
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°	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7
2.5°	1756.8	1754.0	1746.7	1740.0	1727.8	1717.8	1714.4	1715.0	1699.9	1684.3	1679.9
5°	1805.2	1795.2	1780.7	1765.7	1747.3	1728.9	1717.2	1707.7	1684.3	1660.9	1647.5
7.5°	1845.3	1829.2	1808.0	1784.1	1760.1	1732.8	1713.9	1696.0	1663.7	1631.9	1614.7
10°	1882.1	1859.3	1830.3	1799.1	1767.3	1731.7	1704.4	1676.5	1635.8	1600.2	1570.7
12.5°	1917.2	1881.0	1851.5	1806.3	1771.2	1722.8	1685.4	1653.1	1605.2	1560.6	1527.8
15°	1920.6	1894.9	1855.4	1808.6	1755.1	1710.0	1663.1	1625.3	1570.7	1521.1	1464.8
17.5°	1920.0	1899.9	1858.7	1810.8	1746.7	1687.7	1637.0	1587.4	1525.0	1467.0	1418.6
20°	1899.9	1886.0	1850.4	1793.5	1728.9	1660.9	1604.6	1546.1	1473.2	1413.5	1360.6
22.5°	1852.6	1855.9	1828.1	1777.4	1707.7	1631.9	1566.8	1499.3	1424.7	1356.1	1289.3
25°	1772.4	1808.0	1799.7	1752.3	1678.2	1595.2	1521.1	1445.3	1365.1	1292.1	1230.2
27.5°	1672.6	1739.5	1754.0	1717.2	1646.4	1553.4	1469.3	1386.8	1304.9	1226.3	1162.8
30°	1554.5	1654.2	1691.0	1670.9	1605.8	1508.3	1410.8	1330.0	1240.3	1156.7	1089.8
32.5°	1405.7	1545.6	1610.2	1616.3	1562.9	1458.1	1350.0	1263.1	1171.2	1092.1	1020.2
35°	1239.7	1411.3	1516.6	1545.0	1506.6	1403.0	1289.3	1197.4	1099.3	1019.6	947.2
37.5°	1072.5	1274.2	1412.4	1467.6	1442.0	1341.7	1221.3	1128.3	1031.3	950.0	882.0
40°	918.8	1110.4	1289.8	1376.2	1368.4	1275.4	1153.9	1057.5	958.9	883.7	809.0
42.5°	781.2	966.1	1163.4	1279.3	1285.4	1204.0	1079.8	982.8	888.1	813.5	735.5
45°	672.5	835.2	1030.8	1168.9	1195.7	1128.8	1002.9	903.2	816.8	746.6	668.6
47.5°	585.6	712.1	893.7	1055.8	1103.2	1044.7	924.3	829.6	748.3	688.1	614.6
50°	510.4	629.0	783.4	933.3	1002.9	958.9	846.3	756.1	682.5	624.6	560.0
52.5°	443.5	535.4	669.2	812.9	906.5	866.4	770.6	687.5	618.5	564.4	510.4
55°	388.3	465.2	583.4	711.5	797.9	775.6	690.3	616.2	555.5	504.2	460.2
57.5°	331.5	396.1	491.4	605.6	690.3	687.0	616.8	545.5	497.6	449.1	417.3
60°	281.9	334.3	411.7	508.7	593.9	594.5	539.9	483.6	442.4	400.6	370.5
62.5°	237.9	279.7	347.1	425.1	493.1	510.4	469.7	420.7	387.2	354.9	329.3
65°	200.0	231.2	281.9	352.7	406.2	429.6	402.8	367.2	339.3	310.3	287.5
67.5°	164.9	187.8	225.1	280.8	334.3	351.6	340.4	313.1	293.1	269.1	251.8
70°	129.8	149.3	175.5	217.3	261.3	285.3	281.9	262.4	245.7	228.4	212.3
72.5°	103.1	114.2	134.3	164.4	199.5	226.2	227.3	217.3	203.4	188.9	178.3
75°	83.0	88.0	97.5	120.9	148.8	171.1	178.9	173.8	162.7	153.8	146.5
77.5°	64.1	68.5	74.7	85.8	107.5	124.8	134.3	134.8	128.1	120.3	114.8
80°	47.9	49.6	54.0	59.6	70.8	85.8	96.9	96.9	93.0	89.1	85.8
82.5°	32.9	34.5	36.8	39.6	45.1	54.0	64.1	65.7	63.5	62.4	57.9
85°	18.4	20.1	21.2	22.8	25.1	29.5	36.8	39.0	39.6	36.2	34.0
87.5°	7.2	7.2	7.8	8.4	8.9	10.6	13.4	16.7	16.7	15.0	14.5
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°	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7	1702.7
2.5°	1674.3	1666.5	1656.5	1647.5	1635.3	1623.0	1620.8	1625.3	1626.4	1620.8	1622.5
5°	1634.7	1620.2	1608.0	1587.9	1575.1	1558.4	1547.3	1547.3	1547.3	1538.9	1531.1
7.5°	1593.5	1574.0	1550.6	1531.7	1505.5	1483.7	1473.2	1468.1	1458.1	1449.8	1440.3
10°	1545.6	1518.3	1489.3	1459.8	1436.9	1406.9	1389.0	1377.9	1360.6	1353.4	1339.4
12.5°	1489.3	1462.0	1426.9	1379.0	1372.3	1335.5	1310.5	1289.8	1268.7	1251.4	1245.3
15°	1444.2	1396.8	1350.0	1316.0	1266.4	1244.7	1207.9	1204.6	1187.3	1136.6	1097.1
17.5°	1371.2	1328.8	1277.0	1239.1	1199.6	1151.1	1112.1	1073.7	1036.9	1001.2	1000.1
20°	1306.6	1257.0	1207.9	1166.7	1097.6	1028.5	1004.6	969.5	947.7	919.3	911.0
22.5°	1235.8	1184.0	1122.7	1062.5	981.7	938.3	912.1	884.2	862.5	849.7	836.9
25°	1164.5	1112.7	1031.3	957.2	902.1	868.1	845.8	815.7	800.1	789.0	772.2
27.5°	1094.8	1029.1	943.3	884.2	839.7	801.2	781.2	756.6	739.4	724.9	714.3
30°	1025.7	935.5	862.5	816.8	771.1	747.2	721.0	702.6	689.8	676.4	659.1
32.5°	950.0	855.3	807.9	751.6	724.9	690.3	671.4	652.4	635.7	626.3	620.1
35°	861.9	785.6	743.3	702.0	668.0	645.2	618.5	606.8	597.8	579.5	571.7
37.5°	787.3	732.1	687.5	650.8	619.6	595.1	582.8	562.7	549.9	543.8	535.4
40°	725.4	676.4	638.0	600.6	574.4	556.6	534.9	524.3	507.6	501.5	494.8
42.5°	671.9	626.8	586.7	558.3	535.4	510.9	499.8	482.0	474.7	459.7	454.1
45°	617.9	577.8	542.7	514.8	493.1	478.1	458.0	446.8	434.0	426.2	411.2
47.5°	563.9	528.2	499.2	475.8	456.9	438.5	421.8	412.3	396.1	387.8	380.0
50°	522.1	487.5	460.2	436.8	417.3	398.9	388.3	372.7	358.3	348.8	346.0
52.5°	472.5	442.4	417.3	399.5	380.0	366.6	352.1	334.9	327.6	318.1	315.9
55°	428.5	403.9	382.8	363.8	347.1	332.1	315.4	303.1	297.5	293.1	289.7
57.5°	387.2	363.8	344.3	327.1	312.6	297.0	283.0	275.8	270.8	265.8	262.4
60°	346.6	325.4	307.6	293.1	278.0	263.0	253.0	246.8	242.9	235.7	233.5
62.5°	310.3	290.8	272.5	259.1	245.2	233.5	225.1	216.7	210.6	205.0	193.3
65°	270.8	253.5	239.6	226.2	212.8	203.9	194.5	185.0	177.2	177.2	177.2
67.5°	235.7	220.6	206.2	194.5	182.8	172.2	162.7	162.1	159.4	158.2	156.6
70°	200.0	189.4	176.1	163.3	151.5	146.5	144.9	142.1	138.7	138.2	135.9
72.5°	167.7	155.5	143.2	132.0	129.8	127.6	124.2	121.5	119.2	117.6	116.4
75°	137.1	124.8	114.8	112.0	109.2	105.3	102.5	100.3	99.2	99.2	98.6
77.5°	104.7	97.5	93.0	88.6	86.4	84.1	82.5	81.3	79.7	80.2	79.1
80°	76.9	74.7	70.8	68.0	66.9	64.6	63.5	63.0	61.8	61.8	61.3
82.5°	55.2	51.3	49.6	47.9	46.8	45.7	46.2	45.7	45.1	44.6	45.1
85°	31.8	31.2	30.1	30.1	30.1	29.5	29.5	29.5	29.0	28.4	28.4
87.5°	13.9	14.5	14.5	13.4	15.0	15.0	14.5	14.5	13.9	15.0	13.9
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: P243251

CATALOG NUMBER: S122RDRP-H1005D927-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1702.7	1702.7	1702.7	1702.7
2.5°	1615.2	1614.7	1611.3	1605.8
5°	1527.8	1525.5	1520.0	1524.4
7.5°	1434.2	1428.0	1422.5	1425.2
10°	1333.9	1331.6	1328.3	1321.6
12.5°	1223.0	1231.9	1222.4	1243.6
15°	1058.6	1098.2	1048.6	1065.3
17.5°	976.7	977.3	970.6	962.8
20°	899.8	880.3	887.6	874.8
22.5°	825.7	821.3	819.0	814.6
25°	759.4	751.1	748.3	751.1
27.5°	710.4	706.5	695.9	694.2
30°	649.1	647.4	644.1	643.0
32.5°	610.7	603.4	601.7	595.1
35°	567.8	563.9	561.1	559.4
37.5°	524.9	522.6	517.6	520.4
40°	489.8	478.6	474.2	473.6
42.5°	451.3	445.2	436.3	433.5
45°	406.7	403.9	401.2	400.0
47.5°	367.7	366.1	362.7	361.0
50°	339.9	335.4	334.9	334.3
52.5°	313.1	311.5	309.8	312.0
55°	288.1	285.8	284.2	284.2
57.5°	260.8	256.9	253.5	254.1
60°	229.0	226.8	224.0	222.9
62.5°	192.2	192.2	191.7	191.7
65°	175.0	173.8	173.3	173.8
67.5°	156.0	154.9	153.2	153.8
70°	134.3	133.7	134.3	133.7
72.5°	114.8	114.2	114.8	115.9
75°	96.9	96.4	95.8	95.8
77.5°	78.6	78.0	76.9	78.0
80°	61.3	60.7	60.2	60.2
82.5°	43.5	44.0	43.5	43.5
85°	28.4	29.0	28.4	27.9
87.5°	14.5	15.0	13.9	13.4
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P243251  
 CATALOG NUMBER: S122RDRP-H1005D927-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	16.93	18.39	17.29	18.70	19.01	23.26	24.72	23.62	25.03	25.34
	3H	18.10	19.40	18.48	19.73	20.10	24.51	25.81	24.89	26.14	26.51
	4H	18.56	19.78	18.96	20.13	20.51	24.94	26.16	25.34	26.51	26.89
	6H	18.89	20.02	19.30	20.38	20.78	25.24	26.36	25.65	26.73	27.12
	8H	18.99	20.06	19.42	20.45	20.85	25.32	26.39	25.75	26.78	27.19
	12H	19.04	20.07	19.47	20.45	20.88	25.37	26.40	25.80	26.78	27.21
4H	2H	17.65	18.87	18.05	19.22	19.60	23.24	24.46	23.64	24.81	25.19
	3H	18.98	19.99	19.39	20.39	20.79	24.63	25.64	25.04	26.04	26.44
	4H	19.53	20.44	19.97	20.86	21.30	25.16	26.06	25.59	26.48	26.92
	6H	19.96	20.75	20.42	21.20	21.66	25.57	26.36	26.03	26.81	27.27
	8H	20.09	20.83	20.56	21.28	21.74	25.70	26.44	26.17	26.89	27.35
	12H	20.18	20.83	20.66	21.31	21.78	25.80	26.45	26.28	26.93	27.40
8H	4H	19.88	20.61	20.34	21.06	21.53	25.15	25.89	25.62	26.33	26.80
	6H	20.40	21.01	20.90	21.50	21.98	25.62	26.22	26.12	26.72	27.20
	8H	20.59	21.13	21.10	21.64	22.13	25.79	26.33	26.31	26.84	27.33
	12H	20.72	21.20	21.23	21.69	22.26	25.93	26.41	26.44	26.90	27.47
12H	4H	19.92	20.58	20.40	21.06	21.53	25.13	25.79	25.62	26.27	26.74
	6H	20.46	21.01	20.98	21.52	22.01	25.60	26.14	26.11	26.65	27.14
	8H	20.70	21.18	21.21	21.67	22.24	25.80	26.28	26.31	26.77	27.34