

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: P243254

Luminaire Tested: S122RDRP-H675D830-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P243254  
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-H675D830-X4F0-XX-UDD-A-W  
Description: DEFINE 2 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.  
HIGH PERFORMANCE LIGHT ENGINE  
Light Source: (184) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

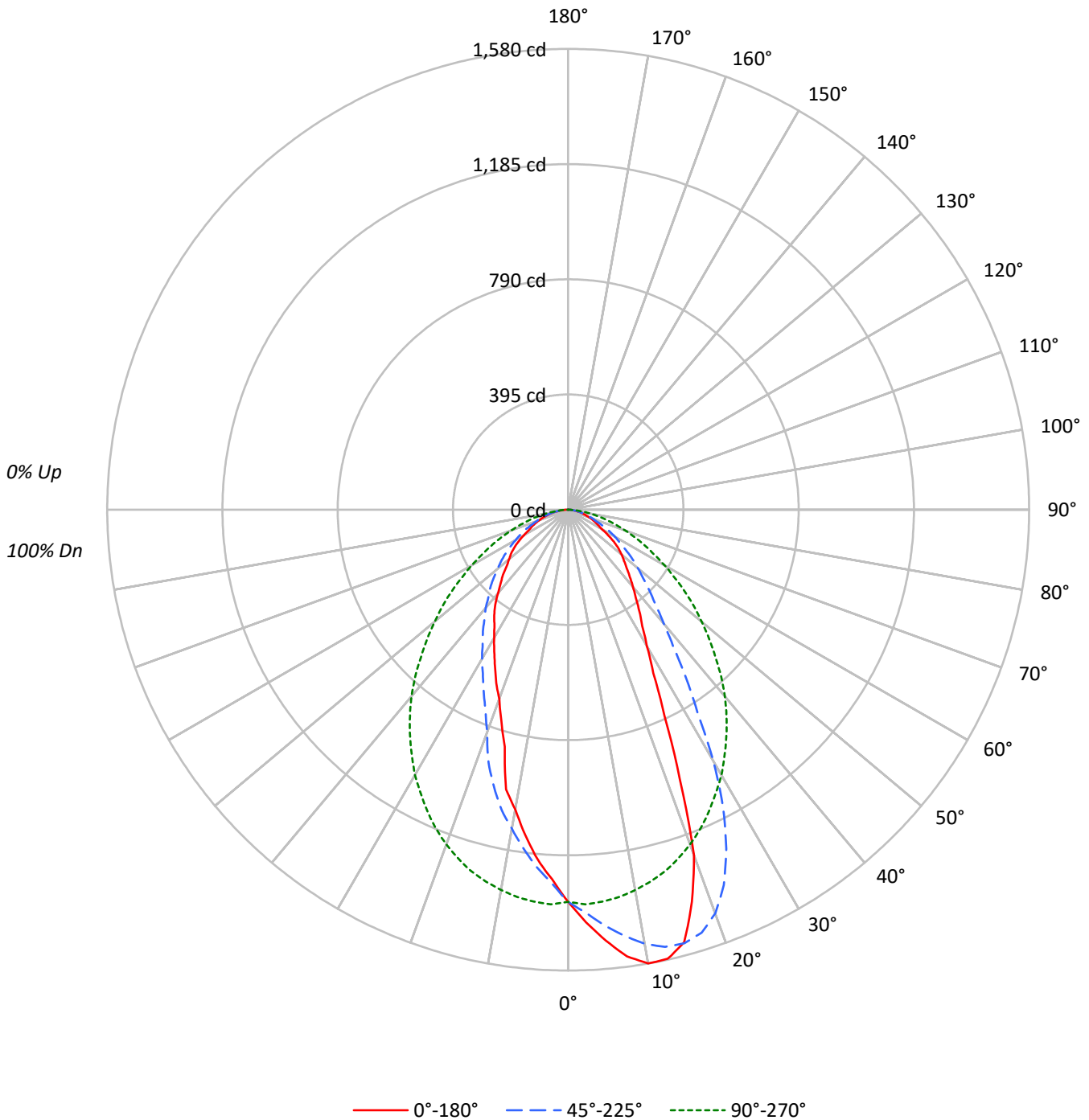
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2266.3 lumens  
Efficiency: N/A  
Efficacy: 96.0 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): 23.6  
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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CATALOG NUMBER: S122RDRP-H675D830-X4F0-XX-UDD-A-W

### Luminous Intensity Polar Plot





TEST NUMBER: P243254

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	25613	25613	25613	25613	25613
5°	28354	27361	25788	23533	23019
10°	30554	29227	25610	21490	20189
15°	30283	30345	25312	19384	16590
20°	25546	29862	24752	16465	14005
25°	16425	26950	23989	14409	12467
30°	11866	21854	23103	12979	11169
35°	9885	16361	21988	11850	10273
40°	8578	12681	20767	10931	9300
45°	7658	10621	19215	10169	8510
50°	7067	9245	17694	9337	7823
55°	6343	7980	16163	8711	7452
60°	5063	7025	14549	7912	6705
65°	4642	5967	13071	7261	6188
70°	4266	4923	11545	6444	5881
75°	3886	4401	10105	6123	5571
80°	3378	3861	8402	5594	5210
85°	2688	3169	6731	5092	4808

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°

Vertical Angle: 45°

Luminance: 25437 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.3	5.6
10°-20°	348.3	15.4
20°-30°	439.0	19.4
30°-40°	421.5	18.6
40°-50°	363.0	16.0
50°-60°	277.5	12.2
60°-70°	176.6	7.8
70°-80°	89.5	3.9
80°-90°	23.6	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°	914.6	40.4
0°-40°	1336.1	59.0
0°-60°	1976.6	87.2
0°-90°	2266.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2266.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1345	1345	1345	1345	1345	
5°	1483	1431	1349	1231	1204	145
15°	1536	1539	1284	983	841	416
25°	782	1282	1141	686	593	374
35°	425	704	946	510	442	268
45°	284	394	713	378	316	221
55°	191	240	487	262	224	168
65°	103	132	290	161	137	103
75°	53	60	137	83	76	56
85°	12	14	31	23	22	14
90°	0	0	0	0	0	

TEST NUMBER: P243254

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7
2.5°	1416.0	1417.8	1418.7	1416.5	1411.6	1412.1	1407.7	1400.2	1390.9	1382.6	1387.4
5°	1482.9	1485.1	1484.7	1480.7	1475.9	1471.5	1464.0	1453.4	1442.4	1431.0	1428.8
7.5°	1544.5	1549.4	1548.0	1540.6	1537.0	1530.9	1518.1	1506.2	1489.5	1473.2	1466.6
10°	1579.7	1583.7	1581.5	1579.7	1575.8	1569.6	1558.2	1546.7	1528.2	1511.1	1501.4
12.5°	1577.1	1580.6	1582.4	1584.1	1582.8	1580.6	1575.8	1566.1	1551.1	1535.3	1523.0
15°	1535.7	1530.0	1526.0	1537.0	1541.0	1556.0	1559.5	1560.8	1550.7	1538.8	1535.7
17.5°	1409.9	1411.6	1442.0	1437.1	1443.7	1480.3	1494.8	1514.6	1523.0	1520.3	1525.6
20°	1260.3	1239.6	1254.5	1276.5	1297.2	1350.5	1385.7	1416.9	1453.0	1473.2	1492.6
22.5°	999.8	1000.2	1036.3	1072.4	1119.0	1176.6	1230.3	1290.2	1354.4	1393.6	1438.9
25°	781.5	802.6	818.5	834.3	902.1	957.5	1046.8	1119.4	1207.9	1282.3	1358.4
27.5°	631.9	653.9	656.5	692.2	732.2	777.1	835.6	950.0	1040.7	1149.8	1244.0
30°	539.5	543.9	553.1	562.4	591.8	633.6	696.6	768.3	869.1	993.6	1119.9
32.5°	472.6	471.7	481.0	495.5	511.8	539.9	575.6	635.0	726.1	825.1	972.5
35°	425.1	423.8	430.4	435.6	445.3	468.2	500.3	539.5	605.0	703.6	818.0
37.5°	380.2	382.8	386.8	392.5	405.3	419.8	441.4	473.9	525.8	591.0	700.5
40°	345.0	348.1	352.5	356.4	366.1	378.0	392.5	418.5	453.2	510.0	594.0
42.5°	313.3	314.6	318.1	323.9	330.9	341.5	355.5	375.3	404.4	444.0	517.5
45°	284.3	284.3	288.2	293.5	297.9	308.0	319.0	337.9	360.4	394.3	446.6
47.5°	259.6	260.1	262.3	263.1	268.0	277.2	289.1	304.1	322.5	348.5	397.3
50°	238.5	240.3	241.1	242.5	244.2	249.1	257.4	268.9	289.1	312.0	344.5
52.5°	216.5	218.7	220.5	223.1	225.7	226.2	232.3	239.8	253.9	277.7	304.1
55°	191.0	192.7	196.3	198.5	202.0	205.1	209.9	215.2	224.4	240.3	267.5
57.5°	161.9	162.4	165.9	168.1	175.1	182.2	186.6	192.3	198.9	209.9	230.6
60°	132.9	134.2	134.6	136.4	142.6	150.1	158.9	167.7	174.7	184.4	198.9
62.5°	117.0	117.5	118.8	120.6	121.0	124.5	127.2	137.7	150.1	159.7	169.4
65°	103.0	103.4	103.4	104.7	106.5	108.2	109.6	113.5	118.8	132.4	144.3
67.5°	89.8	89.3	90.2	91.5	92.0	93.3	95.5	97.7	101.2	105.2	117.5
70°	76.6	76.6	76.1	77.4	78.8	79.2	80.5	82.7	84.9	88.4	92.4
72.5°	63.4	64.2	64.2	65.1	65.6	67.3	68.2	69.1	72.2	73.9	77.0
75°	52.8	52.4	53.7	53.2	54.1	54.6	55.9	57.2	58.1	59.8	62.5
77.5°	42.2	41.4	42.2	41.8	42.7	43.6	43.6	44.9	45.8	47.5	48.8
80°	30.8	30.8	31.2	32.1	32.1	32.6	33.4	33.0	34.8	35.2	36.5
82.5°	21.1	21.6	21.6	22.0	22.0	22.0	22.9	22.9	23.3	24.2	24.6
85°	12.3	11.9	12.3	12.3	12.3	12.8	13.2	12.8	13.6	14.5	14.5
87.5°	3.5	3.5	4.0	4.4	4.4	4.8	4.8	4.8	5.3	5.3	5.7
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°	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7
2.5°	1387.4	1385.2	1379.5	1374.2	1364.5	1356.6	1354.0	1354.4	1342.5	1330.2	1326.7
5°	1425.7	1417.8	1406.3	1394.5	1379.9	1365.4	1356.2	1348.7	1330.2	1311.7	1301.2
7.5°	1457.4	1444.6	1427.9	1409.0	1390.1	1368.5	1353.5	1339.5	1313.9	1288.9	1275.2
10°	1486.4	1468.4	1445.5	1420.9	1395.8	1367.6	1346.1	1324.1	1291.9	1263.8	1240.5
12.5°	1514.2	1485.5	1462.2	1426.6	1398.9	1360.6	1331.1	1305.6	1267.7	1232.5	1206.6
15°	1516.8	1496.6	1465.3	1428.3	1386.1	1350.5	1313.5	1283.6	1240.5	1201.3	1156.8
17.5°	1516.4	1500.5	1467.9	1430.1	1379.5	1332.9	1292.8	1253.7	1204.4	1158.6	1120.3
20°	1500.5	1489.5	1461.3	1416.5	1365.4	1311.7	1267.3	1221.1	1163.4	1116.4	1074.6
22.5°	1463.1	1465.7	1443.7	1403.7	1348.7	1288.9	1237.4	1184.1	1125.2	1071.0	1018.2
25°	1399.7	1427.9	1421.3	1383.9	1325.4	1259.8	1201.3	1141.4	1078.1	1020.4	971.6
27.5°	1321.0	1373.8	1385.2	1356.2	1300.3	1226.8	1160.4	1095.2	1030.6	968.5	918.3
30°	1227.7	1306.5	1335.5	1319.7	1268.2	1191.2	1114.2	1050.4	979.5	913.5	860.7
32.5°	1110.2	1220.7	1271.7	1276.5	1234.3	1151.6	1066.2	997.6	924.9	862.5	805.7
35°	979.1	1114.6	1197.8	1220.2	1189.8	1108.0	1018.2	945.6	868.2	805.3	748.1
37.5°	847.1	1006.4	1115.5	1159.0	1138.8	1059.6	964.6	891.1	814.5	750.3	696.6
40°	725.6	877.0	1018.7	1086.9	1080.7	1007.2	911.3	835.2	757.3	697.9	638.9
42.5°	616.9	763.0	918.8	1010.3	1015.2	950.9	852.8	776.2	701.4	642.4	580.8
45°	531.1	659.6	814.1	923.2	944.3	891.5	792.1	713.3	645.1	589.6	528.0
47.5°	462.5	562.4	705.8	833.9	871.3	825.1	730.0	655.2	591.0	543.4	485.4
50°	403.1	496.8	618.7	737.1	792.1	757.3	668.4	597.1	539.0	493.3	442.2
52.5°	350.3	422.9	528.5	642.0	715.9	684.3	608.6	543.0	488.4	445.8	403.1
55°	306.7	367.4	460.7	561.9	630.1	612.5	545.2	486.7	438.7	398.2	363.5
57.5°	261.8	312.9	388.1	478.3	545.2	542.6	487.1	430.8	392.9	354.7	329.6
60°	222.7	264.0	325.2	401.7	469.1	469.5	426.4	381.9	349.4	316.4	292.6
62.5°	187.9	220.9	274.1	335.7	389.4	403.1	370.9	332.2	305.8	280.3	260.1
65°	158.0	182.6	222.7	278.5	320.8	339.3	318.1	290.0	268.0	245.1	227.1
67.5°	130.2	148.3	177.8	221.8	264.0	277.7	268.9	247.3	231.5	212.5	198.9
70°	102.5	117.9	138.6	171.6	206.4	225.3	222.7	207.3	194.1	180.4	167.7
72.5°	81.4	90.2	106.0	129.8	157.5	178.7	179.5	171.6	160.6	149.2	140.8
75°	65.6	69.5	77.0	95.5	117.5	135.1	141.3	137.3	128.5	121.4	115.7
77.5°	50.6	54.1	59.0	67.8	84.9	98.6	106.0	106.5	101.2	95.0	90.6
80°	37.8	39.2	42.7	47.1	55.9	67.8	76.6	76.6	73.5	70.4	67.8
82.5°	26.0	27.3	29.0	31.2	35.6	42.7	50.6	51.9	50.2	49.3	45.8
85°	14.5	15.8	16.7	18.0	19.8	23.3	29.0	30.8	31.2	28.6	26.8
87.5°	5.7	5.7	6.2	6.6	7.0	8.4	10.6	13.2	13.2	11.9	11.4
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°	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7	1344.7
2.5°	1322.3	1316.1	1308.2	1301.2	1291.5	1281.8	1280.1	1283.6	1284.5	1280.1	1281.4
5°	1291.1	1279.6	1269.9	1254.1	1244.0	1230.8	1222.0	1222.0	1222.0	1215.4	1209.2
7.5°	1258.5	1243.1	1224.6	1209.6	1189.0	1171.8	1163.4	1159.5	1151.6	1145.0	1137.5
10°	1220.7	1199.1	1176.2	1152.9	1134.8	1111.1	1097.0	1088.2	1074.6	1068.8	1057.8
12.5°	1176.2	1154.6	1126.9	1089.1	1083.8	1054.8	1035.0	1018.7	1002.0	988.3	983.5
15°	1140.6	1103.2	1066.2	1039.4	1000.2	983.0	954.0	951.4	937.7	897.7	866.4
17.5°	1082.9	1049.5	1008.6	978.6	947.4	909.1	878.3	847.9	818.9	790.7	789.9
20°	1031.9	992.7	954.0	921.4	866.9	812.3	793.4	765.7	748.5	726.1	719.5
22.5°	976.0	935.1	886.7	839.1	775.3	741.0	720.3	698.3	681.2	671.0	660.9
25°	919.7	878.7	814.5	756.0	712.4	685.6	668.0	644.2	631.9	623.1	609.9
27.5°	864.7	812.7	745.0	698.3	663.1	632.8	616.9	597.6	583.9	572.5	564.1
30°	810.1	738.8	681.2	645.1	609.0	590.1	569.4	554.9	544.8	534.2	520.6
32.5°	750.3	675.4	638.0	593.6	572.5	545.2	530.2	515.3	502.1	494.6	489.8
35°	680.7	620.4	587.0	554.4	527.6	509.6	488.4	479.2	472.2	457.6	451.5
37.5°	621.8	578.2	543.0	514.0	489.3	470.0	460.3	444.4	434.3	429.5	422.9
40°	572.9	534.2	503.8	474.4	453.7	439.6	422.4	414.1	400.9	396.0	390.7
42.5°	530.7	495.0	463.4	440.9	422.9	403.5	394.7	380.6	374.9	363.0	358.6
45°	488.0	456.3	428.6	406.6	389.4	377.5	361.7	352.9	342.8	336.6	324.7
47.5°	445.3	417.2	394.3	375.8	360.8	346.3	333.1	325.6	312.9	306.3	300.1
50°	412.3	385.0	363.5	345.0	329.6	315.1	306.7	294.4	282.9	275.5	273.3
52.5°	373.1	349.4	329.6	315.5	300.1	289.5	278.1	264.5	258.7	251.3	249.5
55°	338.4	319.0	302.3	287.3	274.1	262.3	249.1	239.4	235.0	231.5	228.8
57.5°	305.8	287.3	271.9	258.3	246.9	234.5	223.5	217.8	213.9	209.9	207.3
60°	273.7	257.0	242.9	231.5	219.6	207.7	199.8	194.9	191.9	186.1	184.4
62.5°	245.1	229.7	215.2	204.6	193.6	184.4	177.8	171.2	166.3	161.9	152.7
65°	213.9	200.2	189.2	178.7	168.1	161.1	153.6	146.1	139.9	139.9	139.9
67.5°	186.1	174.3	162.8	153.6	144.3	136.0	128.5	128.0	125.8	125.0	123.6
70°	158.0	149.6	139.1	128.9	119.7	115.7	114.4	112.2	109.6	109.1	107.4
72.5°	132.4	122.8	113.1	104.3	102.5	100.8	98.1	95.9	94.2	92.8	92.0
75°	108.2	98.6	90.6	88.4	86.2	83.2	81.0	79.2	78.3	78.3	77.9
77.5°	82.7	77.0	73.5	70.0	68.2	66.4	65.1	64.2	62.9	63.4	62.5
80°	60.7	59.0	55.9	53.7	52.8	51.0	50.2	49.7	48.8	48.8	48.4
82.5°	43.6	40.5	39.2	37.8	37.0	36.1	36.5	36.1	35.6	35.2	35.6
85°	25.1	24.6	23.8	23.8	23.8	23.3	23.3	23.3	22.9	22.4	22.4
87.5°	11.0	11.4	11.4	10.6	11.9	11.9	11.4	11.4	11.0	11.9	11.0
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: P243254

CATALOG NUMBER: S122RDRP-H675D830-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1344.7	1344.7	1344.7	1344.7
2.5°	1275.7	1275.2	1272.6	1268.2
5°	1206.6	1204.8	1200.4	1203.9
7.5°	1132.6	1127.8	1123.4	1125.6
10°	1053.4	1051.7	1049.0	1043.8
12.5°	965.9	972.9	965.4	982.2
15°	836.1	867.3	828.1	841.3
17.5°	771.4	771.8	766.5	760.4
20°	710.7	695.3	701.0	690.9
22.5°	652.1	648.6	646.8	643.3
25°	599.8	593.2	591.0	593.2
27.5°	561.0	558.0	549.6	548.3
30°	512.6	511.3	508.7	507.8
32.5°	482.3	476.6	475.2	470.0
35°	448.4	445.3	443.1	441.8
37.5°	414.5	412.8	408.8	411.0
40°	386.8	378.0	374.5	374.0
42.5°	356.4	351.6	344.5	342.3
45°	321.2	319.0	316.8	315.9
47.5°	290.4	289.1	286.5	285.1
50°	268.4	264.9	264.5	264.0
52.5°	247.3	246.0	244.7	246.4
55°	227.5	225.7	224.4	224.4
57.5°	205.9	202.9	200.2	200.7
60°	180.9	179.1	176.9	176.0
62.5°	151.8	151.8	151.4	151.4
65°	138.2	137.3	136.9	137.3
67.5°	123.2	122.3	121.0	121.4
70°	106.0	105.6	106.0	105.6
72.5°	90.6	90.2	90.6	91.5
75°	76.6	76.1	75.7	75.7
77.5°	62.0	61.6	60.7	61.6
80°	48.4	48.0	47.5	47.5
82.5°	34.3	34.8	34.3	34.3
85°	22.4	22.9	22.4	22.0
87.5°	11.4	11.9	11.0	10.6
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243254  
 CATALOG NUMBER: S122RDRP-H675D830-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	16.11	17.56	16.47	17.88	18.19	22.44	23.90	22.80	24.21	24.52
	3H	17.28	18.58	17.66	18.91	19.27	23.69	24.99	24.07	25.32	25.69
	4H	17.74	18.96	18.14	19.31	19.69	24.12	25.34	24.52	25.69	26.07
	6H	18.07	19.19	18.48	19.56	19.95	24.42	25.54	24.83	25.91	26.30
	8H	18.17	19.24	18.59	19.63	20.03	24.50	25.57	24.93	25.96	26.37
	12H	18.22	19.24	18.65	19.63	20.06	24.55	25.58	24.98	25.96	26.39
4H	2H	16.83	18.05	17.23	18.40	18.78	22.42	23.64	22.82	23.99	24.37
	3H	18.16	19.17	18.57	19.57	19.97	23.81	24.82	24.22	25.22	25.62
	4H	18.71	19.62	19.14	20.04	20.48	24.34	25.24	24.77	25.66	26.10
	6H	19.14	19.93	19.60	20.37	20.84	24.75	25.54	25.21	25.99	26.45
	8H	19.27	20.01	19.74	20.45	20.92	24.88	25.62	25.35	26.07	26.53
	12H	19.35	20.01	19.84	20.49	20.96	24.98	25.63	25.46	26.11	26.59
8H	4H	19.06	19.79	19.52	20.24	20.71	24.33	25.07	24.80	25.52	25.98
	6H	19.58	20.19	20.08	20.68	21.16	24.80	25.40	25.30	25.90	26.38
	8H	19.77	20.31	20.28	20.82	21.31	24.97	25.51	25.49	26.02	26.51
	12H	19.90	20.38	20.41	20.87	21.44	25.11	25.59	25.62	26.08	26.65
12H	4H	19.10	19.75	19.58	20.23	20.71	24.31	24.97	24.80	25.45	25.92
	6H	19.64	20.19	20.16	20.70	21.19	24.78	25.32	25.29	25.83	26.32
	8H	19.88	20.36	20.39	20.85	21.42	24.98	25.46	25.49	25.95	26.52