

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: P243270

Luminaire Tested: S122RDRP-H865D930-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P243270  
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-H865D930-X4F0-XX-UDD-A-W  
Description: DEFINE 2 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.  
HIGH PERFORMANCE LIGHT ENGINE  
Light Source: (184) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

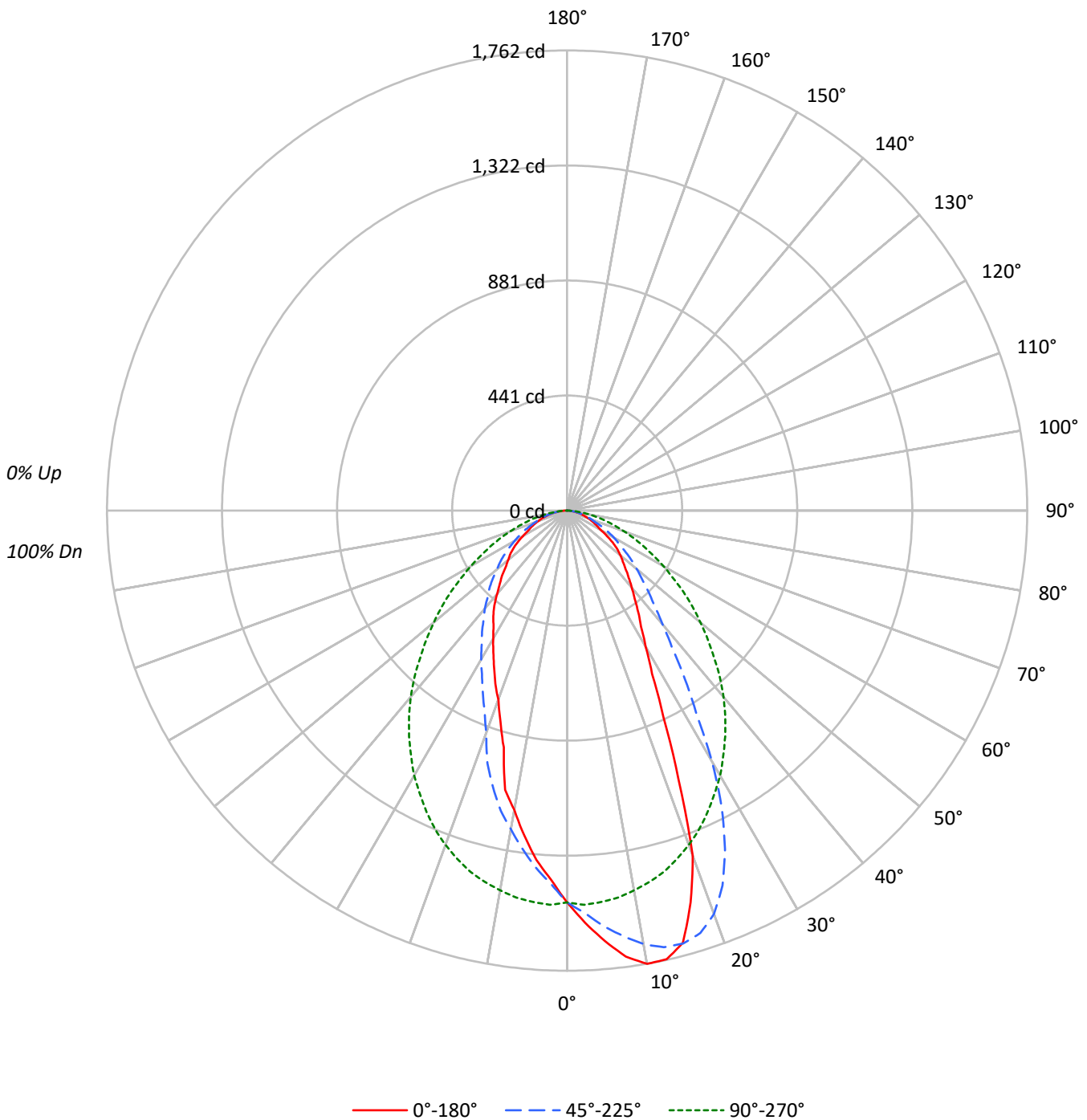
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2528.1 lumens  
Efficiency: N/A  
Efficacy: 80.3 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): 31.5  
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°	28573	28573	28573	28573	28573
5°	31629	30522	28767	26252	25679
10°	34084	32602	28567	23972	22519
15°	33782	33851	28237	21625	18507
20°	28496	33312	27612	18367	15622
25°	18322	30062	26761	16074	13907
30°	13236	24379	25771	14479	12460
35°	11027	18251	24530	13217	11459
40°	9568	14146	23167	12194	10374
45°	8542	11847	21434	11346	9493
50°	7885	10312	19739	10416	8727
55°	7073	8900	18029	9717	8312
60°	5646	7836	16232	8827	7478
65°	5179	6661	14580	8099	6905
70°	4756	5497	12876	7190	6560
75°	4335	4916	11275	6830	6211
80°	3773	4311	9368	6241	5814
85°	2994	3540	7518	5682	5354

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 28376 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.0	5.6
10°-20°	388.5	15.4
20°-30°	489.7	19.4
30°-40°	470.1	18.6
40°-50°	404.9	16.0
50°-60°	309.6	12.2
60°-70°	197.0	7.8
70°-80°	99.8	3.9
80°-90°	26.4	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°	1020.3	40.4
0°-40°	1490.4	59.0
0°-60°	2204.9	87.2
0°-90°	2528.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2528.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1500	1500	1500	1500	1500	
5°	1654	1596	1504	1373	1343	161
15°	1713	1717	1432	1097	938	465
25°	872	1430	1273	765	662	417
35°	474	785	1055	568	493	299
45°	317	440	796	421	352	247
55°	213	268	543	293	250	188
65°	115	148	324	180	153	114
75°	59	67	153	93	84	62
85°	14	16	34	26	24	16
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°	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1
2.5°	1579.6	1581.6	1582.6	1580.1	1574.7	1575.2	1570.3	1561.9	1551.6	1542.3	1547.7
5°	1654.2	1656.7	1656.2	1651.8	1646.4	1641.5	1633.1	1621.3	1609.1	1596.3	1593.8
7.5°	1722.9	1728.3	1726.9	1718.5	1714.6	1707.7	1693.5	1680.2	1661.6	1643.4	1636.1
10°	1762.2	1766.6	1764.2	1762.2	1757.8	1750.9	1738.2	1725.4	1704.8	1685.6	1674.8
12.5°	1759.3	1763.2	1765.2	1767.1	1765.7	1763.2	1757.8	1747.0	1730.3	1712.6	1698.9
15°	1713.1	1706.7	1702.3	1714.6	1719.0	1735.7	1739.6	1741.1	1729.8	1716.6	1713.1
17.5°	1572.7	1574.7	1608.6	1603.2	1610.5	1651.3	1667.5	1689.6	1698.9	1696.0	1701.8
20°	1405.8	1382.8	1399.5	1424.0	1447.1	1506.5	1545.7	1580.6	1620.8	1643.4	1665.0
22.5°	1115.3	1115.7	1156.0	1196.2	1248.3	1312.6	1372.5	1439.2	1510.9	1554.6	1605.1
25°	871.8	895.3	913.0	930.7	1006.3	1068.1	1167.8	1248.8	1347.4	1430.4	1515.3
27.5°	704.9	729.4	732.4	772.1	816.8	866.9	932.2	1059.8	1160.9	1282.6	1387.7
30°	601.8	606.7	617.0	627.3	660.2	706.9	777.0	857.1	969.5	1108.4	1249.3
32.5°	527.2	526.2	536.5	552.7	570.9	602.3	642.1	708.3	809.9	920.4	1084.8
35°	474.2	472.7	480.1	486.0	496.8	522.3	558.1	601.8	674.9	784.9	912.5
37.5°	424.1	427.1	431.5	437.9	452.1	468.3	492.3	528.7	586.6	659.2	781.5
40°	384.8	388.3	393.2	397.6	408.4	421.7	437.9	466.8	505.6	568.9	662.7
42.5°	349.5	351.0	354.9	361.3	369.1	380.9	396.6	418.7	451.1	495.3	577.3
45°	317.1	317.1	321.5	327.4	332.3	343.6	355.9	377.0	402.0	439.8	498.2
47.5°	289.6	290.1	292.6	293.5	298.9	309.2	322.5	339.2	359.8	388.8	443.3
50°	266.1	268.0	269.0	270.5	272.4	277.8	287.2	299.9	322.5	348.0	384.3
52.5°	241.5	244.0	245.9	248.9	251.8	252.3	259.2	267.5	283.2	309.7	339.2
55°	213.0	215.0	218.9	221.4	225.3	228.7	234.1	240.0	250.3	268.0	298.4
57.5°	180.6	181.1	185.1	187.5	195.4	203.2	208.1	214.5	221.9	234.1	257.2
60°	148.2	149.7	150.2	152.2	159.0	167.4	177.2	187.0	194.9	205.7	221.9
62.5°	130.6	131.1	132.5	134.5	135.0	138.9	141.9	153.6	167.4	178.2	189.0
65°	114.9	115.4	115.4	116.8	118.8	120.8	122.2	126.6	132.5	147.8	161.0
67.5°	100.1	99.6	100.6	102.1	102.6	104.1	106.5	109.0	112.9	117.3	131.1
70°	85.4	85.4	84.9	86.4	87.9	88.4	89.8	92.3	94.7	98.7	103.1
72.5°	70.7	71.7	71.7	72.6	73.1	75.1	76.1	77.1	80.5	82.5	85.9
75°	58.9	58.4	59.9	59.4	60.4	60.9	62.3	63.8	64.8	66.8	69.7
77.5°	47.1	46.1	47.1	46.6	47.6	48.6	48.6	50.1	51.1	53.0	54.5
80°	34.4	34.4	34.9	35.8	35.8	36.3	37.3	36.8	38.8	39.3	40.7
82.5°	23.6	24.1	24.1	24.5	24.5	24.5	25.5	25.5	26.0	27.0	27.5
85°	13.7	13.3	13.7	13.7	13.7	14.2	14.7	14.2	15.2	16.2	16.2
87.5°	3.9	3.9	4.4	4.9	4.9	5.4	5.4	5.4	5.9	5.9	6.4
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: P243270

CATALOG NUMBER: S122RDRP-H865D930-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1
2.5°	1547.7	1545.3	1538.9	1533.0	1522.2	1513.3	1510.4	1510.9	1497.6	1483.9	1480.0
5°	1590.4	1581.6	1568.8	1555.6	1539.4	1523.2	1512.9	1504.5	1483.9	1463.3	1451.5
7.5°	1625.8	1611.5	1592.9	1571.8	1550.7	1526.6	1509.9	1494.2	1465.7	1437.8	1422.5
10°	1658.2	1638.0	1612.5	1585.0	1557.0	1525.6	1501.6	1477.0	1441.2	1409.8	1383.8
12.5°	1689.1	1657.2	1631.2	1591.4	1560.5	1517.8	1484.9	1456.4	1414.2	1374.9	1346.0
15°	1692.0	1669.4	1634.6	1593.4	1546.2	1506.5	1465.2	1431.9	1383.8	1340.1	1290.5
17.5°	1691.5	1673.9	1637.5	1595.3	1538.9	1486.8	1442.2	1398.5	1343.5	1292.5	1249.8
20°	1673.9	1661.6	1630.2	1580.1	1523.2	1463.3	1413.7	1362.2	1297.9	1245.3	1198.7
22.5°	1632.1	1635.1	1610.5	1565.9	1504.5	1437.8	1380.3	1320.9	1255.2	1194.8	1135.9
25°	1561.5	1592.9	1585.5	1543.8	1478.5	1405.4	1340.1	1273.3	1202.6	1138.3	1083.8
27.5°	1473.6	1532.5	1545.3	1512.9	1450.5	1368.5	1294.4	1221.8	1149.6	1080.4	1024.4
30°	1369.5	1457.4	1489.8	1472.1	1414.7	1328.8	1242.9	1171.7	1092.7	1019.0	960.1
32.5°	1238.5	1361.7	1418.6	1424.0	1376.9	1284.6	1189.4	1112.8	1031.8	962.1	898.8
35°	1092.2	1243.4	1336.1	1361.2	1327.3	1236.0	1135.9	1054.9	968.5	898.3	834.5
37.5°	944.9	1122.6	1244.4	1292.9	1270.4	1182.0	1076.0	994.0	908.6	836.9	777.0
40°	809.4	978.3	1136.4	1212.4	1205.6	1123.6	1016.6	931.7	844.8	778.5	712.7
42.5°	688.2	851.2	1024.9	1127.0	1132.4	1060.8	951.3	865.9	782.4	716.7	647.9
45°	592.5	735.8	908.1	1029.8	1053.4	994.5	883.6	795.7	719.6	657.8	589.0
47.5°	515.9	627.3	787.4	930.2	971.9	920.4	814.4	730.9	659.2	606.2	541.4
50°	449.6	554.2	690.2	822.2	883.6	844.8	745.6	666.1	601.3	550.3	493.3
52.5°	390.7	471.7	589.5	716.2	798.6	763.3	678.9	605.7	544.9	497.2	449.6
55°	342.1	409.9	513.9	626.8	702.9	683.3	608.2	542.9	489.4	444.2	405.5
57.5°	292.1	349.0	432.9	533.6	608.2	605.2	543.4	480.6	438.3	395.6	367.7
60°	248.4	294.5	362.8	448.2	523.3	523.8	475.7	426.1	389.7	352.9	326.4
62.5°	209.6	246.4	305.8	374.5	434.4	449.6	413.8	370.6	341.2	312.7	290.1
65°	176.2	203.7	248.4	310.7	357.8	378.5	354.9	323.5	298.9	273.4	253.3
67.5°	145.3	165.4	198.3	247.4	294.5	309.7	299.9	275.9	258.2	237.1	221.9
70°	114.4	131.6	154.6	191.4	230.2	251.3	248.4	231.2	216.5	201.3	187.0
72.5°	90.8	100.6	118.3	144.8	175.7	199.3	200.3	191.4	179.2	166.4	157.1
75°	73.1	77.6	85.9	106.5	131.1	150.7	157.6	153.2	143.3	135.5	129.1
77.5°	56.4	60.4	65.8	75.6	94.7	110.0	118.3	118.8	112.9	106.0	101.1
80°	42.2	43.7	47.6	52.5	62.3	75.6	85.4	85.4	82.0	78.5	75.6
82.5°	29.0	30.4	32.4	34.9	39.8	47.6	56.4	57.9	56.0	55.0	51.1
85°	16.2	17.7	18.7	20.1	22.1	26.0	32.4	34.4	34.9	31.9	29.9
87.5°	6.4	6.4	6.9	7.4	7.9	9.3	11.8	14.7	14.7	13.3	12.8
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: P243270

CATALOG NUMBER: S122RDRP-H865D930-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1	1500.1
2.5°	1475.1	1468.2	1459.4	1451.5	1440.7	1429.9	1427.9	1431.9	1432.8	1427.9	1429.4
5°	1440.2	1427.4	1416.6	1399.0	1387.7	1373.0	1363.1	1363.1	1363.1	1355.8	1348.9
7.5°	1403.9	1386.7	1366.1	1349.4	1326.3	1307.2	1297.9	1293.4	1284.6	1277.2	1268.9
10°	1361.7	1337.6	1312.1	1286.1	1265.9	1239.4	1223.7	1213.9	1198.7	1192.3	1180.0
12.5°	1312.1	1288.0	1257.1	1214.9	1209.0	1176.6	1154.5	1136.4	1117.7	1102.5	1097.1
15°	1272.3	1230.6	1189.4	1159.4	1115.7	1096.6	1064.2	1061.3	1046.0	1001.4	966.5
17.5°	1208.0	1170.7	1125.1	1091.7	1056.8	1014.1	979.8	945.9	913.5	882.1	881.1
20°	1151.1	1107.4	1064.2	1027.9	967.0	906.1	885.0	854.1	835.0	809.9	802.6
22.5°	1088.7	1043.1	989.1	936.1	864.9	826.6	803.6	779.0	759.9	748.6	737.3
25°	1025.9	980.3	908.6	843.3	794.7	764.8	745.1	718.6	704.9	695.1	680.3
27.5°	964.6	906.6	831.0	779.0	739.7	705.9	688.2	666.6	651.4	638.6	629.3
30°	903.7	824.2	759.9	719.6	679.4	658.3	635.2	619.0	607.7	595.9	580.7
32.5°	836.9	753.5	711.8	662.2	638.6	608.2	591.5	574.8	560.1	551.7	546.3
35°	759.4	692.1	654.8	618.5	588.6	568.4	544.9	534.6	526.7	510.5	503.6
37.5°	693.6	645.0	605.7	573.3	545.8	524.2	513.4	495.8	484.5	479.1	471.7
40°	639.1	595.9	562.0	529.2	506.1	490.4	471.2	461.9	447.2	441.8	435.9
42.5°	592.0	552.2	516.9	491.9	471.7	450.1	440.3	424.6	418.2	405.0	400.1
45°	544.4	509.0	478.1	453.6	434.4	421.2	403.5	393.7	382.4	375.5	362.3
47.5°	496.8	465.3	439.8	419.2	402.5	386.3	371.6	363.2	349.0	341.6	334.8
50°	459.9	429.5	405.5	384.8	367.7	351.5	342.1	328.4	315.6	307.3	304.8
52.5°	416.3	389.7	367.7	352.0	334.8	323.0	310.2	295.0	288.6	280.3	278.3
55°	377.5	355.9	337.2	320.5	305.8	292.6	277.8	267.0	262.1	258.2	255.3
57.5°	341.2	320.5	303.4	288.1	275.4	261.6	249.4	243.0	238.6	234.1	231.2
60°	305.3	286.7	271.0	258.2	244.9	231.7	222.9	217.5	214.0	207.6	205.7
62.5°	273.4	256.2	240.0	228.3	216.0	205.7	198.3	190.9	185.5	180.6	170.3
65°	238.6	223.3	211.1	199.3	187.5	179.7	171.3	163.0	156.1	156.1	156.1
67.5°	207.6	194.4	181.6	171.3	161.0	151.7	143.3	142.8	140.4	139.4	137.9
70°	176.2	166.9	155.1	143.8	133.5	129.1	127.6	125.2	122.2	121.7	119.8
72.5°	147.8	137.0	126.2	116.3	114.4	112.4	109.5	107.0	105.0	103.6	102.6
75°	120.8	110.0	101.1	98.7	96.2	92.8	90.3	88.4	87.4	87.4	86.9
77.5°	92.3	85.9	82.0	78.0	76.1	74.1	72.6	71.7	70.2	70.7	69.7
80°	67.7	65.8	62.3	59.9	58.9	56.9	56.0	55.5	54.5	54.5	54.0
82.5°	48.6	45.2	43.7	42.2	41.2	40.3	40.7	40.3	39.8	39.3	39.8
85°	28.0	27.5	26.5	26.5	26.5	26.0	26.0	26.0	25.5	25.0	25.0
87.5°	12.3	12.8	12.8	11.8	13.3	13.3	12.8	12.8	12.3	13.3	12.3
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: P243270

CATALOG NUMBER: S122RDRP-H865D930-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1500.1	1500.1	1500.1	1500.1
2.5°	1423.0	1422.5	1419.6	1414.7
5°	1346.0	1344.0	1339.1	1343.0
7.5°	1263.5	1258.1	1253.2	1255.6
10°	1175.1	1173.2	1170.2	1164.3
12.5°	1077.5	1085.3	1077.0	1095.6
15°	932.6	967.5	923.8	938.5
17.5°	860.5	861.0	855.1	848.2
20°	792.8	775.6	782.0	770.7
22.5°	727.5	723.5	721.6	717.6
25°	669.1	661.7	659.2	661.7
27.5°	625.9	622.4	613.1	611.6
30°	571.9	570.4	567.4	566.5
32.5°	538.0	531.6	530.1	524.2
35°	500.2	496.8	494.3	492.8
37.5°	462.4	460.4	456.0	458.5
40°	431.5	421.7	417.7	417.2
42.5°	397.6	392.2	384.3	381.9
45°	358.3	355.9	353.4	352.4
47.5°	324.0	322.5	319.6	318.1
50°	299.4	295.5	295.0	294.5
52.5°	275.9	274.4	272.9	274.9
55°	253.8	251.8	250.3	250.3
57.5°	229.7	226.3	223.3	223.8
60°	201.7	199.8	197.3	196.3
62.5°	169.3	169.3	168.9	168.9
65°	154.1	153.2	152.7	153.2
67.5°	137.4	136.5	135.0	135.5
70°	118.3	117.8	118.3	117.8
72.5°	101.1	100.6	101.1	102.1
75°	85.4	84.9	84.4	84.4
77.5°	69.2	68.7	67.7	68.7
80°	54.0	53.5	53.0	53.0
82.5°	38.3	38.8	38.3	38.3
85°	25.0	25.5	25.0	24.5
87.5°	12.8	13.3	12.3	11.8
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P243270  
 CATALOG NUMBER: S122RDRP-H865D930-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	16.49	17.94	16.85	18.26	18.57	22.82	24.28	23.18	24.59	24.90
	3H	17.66	18.96	18.04	19.29	19.66	24.07	25.37	24.45	25.70	26.07
	4H	18.12	19.34	18.52	19.69	20.07	24.50	25.72	24.90	26.07	26.45
	6H	18.45	19.57	18.86	19.94	20.34	24.80	25.92	25.21	26.29	26.68
	8H	18.55	19.62	18.98	20.01	20.41	24.88	25.95	25.31	26.34	26.75
	12H	18.60	19.63	19.03	20.01	20.44	24.93	25.96	25.36	26.34	26.77
4H	2H	17.21	18.43	17.61	18.78	19.16	22.80	24.02	23.20	24.37	24.75
	3H	18.54	19.55	18.95	19.95	20.35	24.19	25.20	24.60	25.60	26.00
	4H	19.09	20.00	19.52	20.42	20.86	24.72	25.62	25.15	26.04	26.48
	6H	19.52	20.31	19.98	20.75	21.22	25.13	25.92	25.59	26.37	26.83
	8H	19.65	20.39	20.12	20.83	21.30	25.26	26.00	25.73	26.45	26.91
	12H	19.73	20.39	20.22	20.87	21.34	25.36	26.01	25.84	26.49	26.97
8H	4H	19.44	20.17	19.90	20.62	21.09	24.71	25.45	25.18	25.89	26.36
	6H	19.96	20.57	20.46	21.06	21.54	25.18	25.78	25.68	26.28	26.76
	8H	20.15	20.69	20.66	21.20	21.69	25.35	25.89	25.87	26.40	26.89
	12H	20.28	20.76	20.79	21.25	21.82	25.49	25.97	26.00	26.46	27.03
12H	4H	19.48	20.14	19.96	20.62	21.09	24.69	25.35	25.18	25.83	26.30
	6H	20.02	20.57	20.54	21.08	21.57	25.16	25.70	25.67	26.21	26.70
	8H	20.26	20.74	20.77	21.23	21.80	25.36	25.84	25.87	26.33	26.90