

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: P243172

Luminaire Tested: S122DRP-H865D935-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P243172  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-58)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122DRP-H865D935-X4F0-XX-UDD-A-W  
Description: DEFINE 2 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.  
HIGH PERFORMANCE LIGHT ENGINE  
Light Source: (184) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

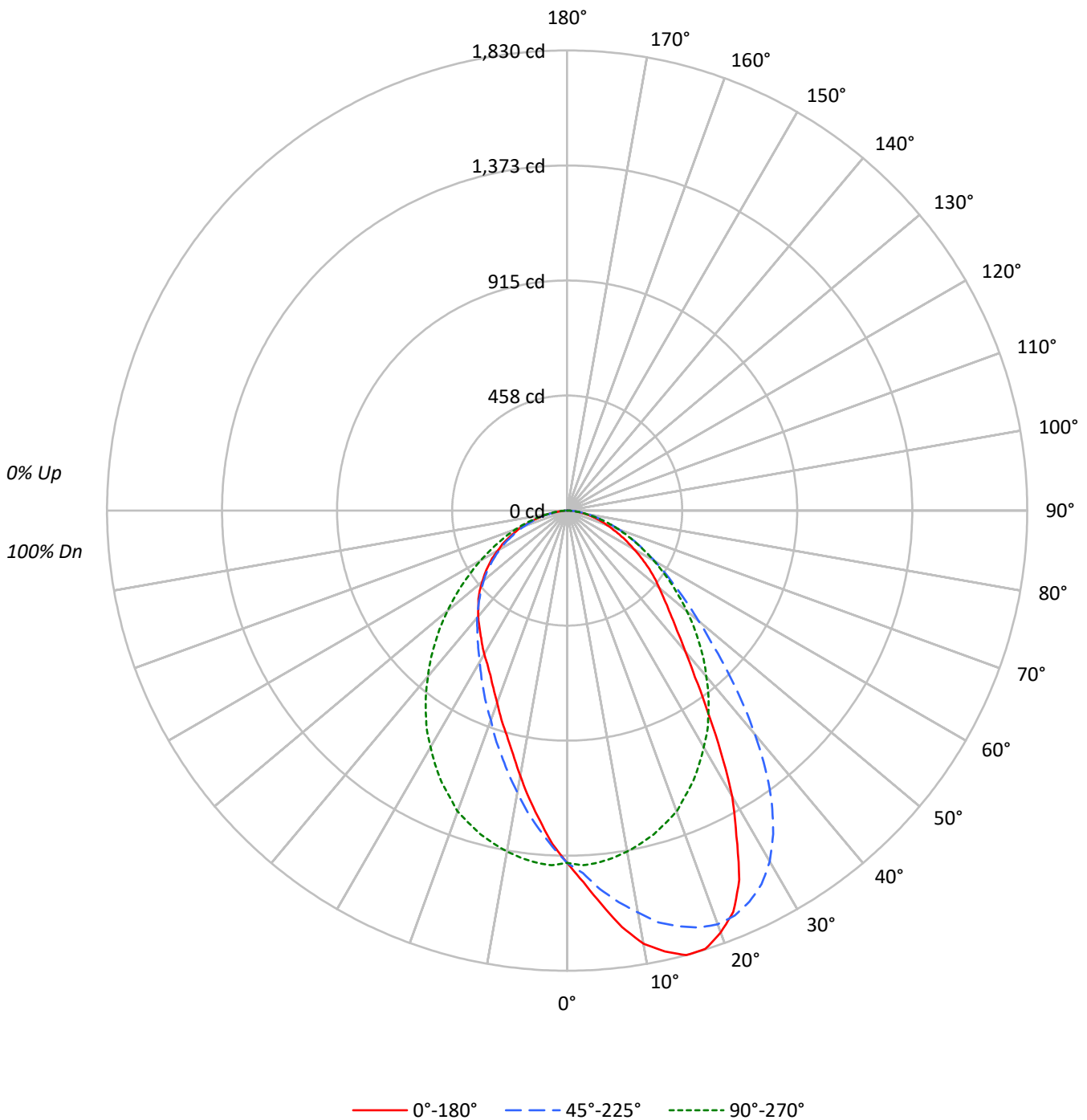
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3108.4 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.24  
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	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88					86				
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76					74				
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66					63				
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57					55				
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51					49				
6	73	61	52	46	72	60	52	46	58	51	46	57	50	45	55	49	45					43				
7	68	56	47	41	67	55	47	41	53	46	41	52	46	41	51	45	40					39				
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37					35				
9	60	47	39	34	58	46	39	34	45	38	34	44	38	34	43	38	33					32				
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	31					29				

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

	0°	45°	90°	135°	180°
0°	26682	26682	26682	26682	26682
5°	30055	28906	26874	24337	23671
10°	33832	31395	26633	22030	20717
15°	36089	33748	26274	19885	18258
20°	36192	35489	25800	17980	16478
25°	34039	36054	24941	16561	15189
30°	28894	35440	23899	15280	14503
35°	22590	33008	22783	14431	13959
40°	18151	28863	21411	13845	13691
45°	15613	24187	19998	13267	13434
50°	14165	20171	18405	12828	13059
55°	13051	17338	16770	12327	12706
60°	11730	15288	15109	11752	12126
65°	10560	13670	13575	11006	11543
70°	9412	12124	12068	10075	10799
75°	8471	10568	10377	8927	9464
80°	7393	8753	8358	7284	7393
85°	6338	7256	6229	4874	4087

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 65°  
 Vertical Angle: 45°  
 Luminance: 33446 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.5	4.3
10°-20°	383.6	12.3
20°-30°	557.8	17.9
30°-40°	598.4	19.3
40°-50°	536.3	17.3
50°-60°	427.5	13.8
60°-70°	289.2	9.3
70°-80°	147.5	4.7
80°-90°	34.6	1.1
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°	1074.9	34.6
0°-40°	1673.3	53.8
0°-60°	2637.1	84.8
0°-90°	3108.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3108.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1401	1401	1401	1401	1401	
5°	1572	1512	1406	1273	1238	156
15°	1830	1711	1332	1008	926	512
25°	1620	1716	1187	788	723	729
35°	972	1420	980	621	600	616
45°	580	898	742	492	499	453
55°	393	522	505	371	383	351
65°	234	303	301	244	256	232
75°	115	144	141	121	129	123
85°	29	33	28	22	19	34
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°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1478.6	1483.2	1479.1	1477.5	1474.4	1473.4	1465.1	1458.4	1454.2	1442.8	1443.8
5°	1571.9	1582.3	1576.6	1576.0	1564.6	1557.4	1550.1	1539.7	1524.2	1511.8	1501.9
7.5°	1670.4	1665.2	1663.7	1658.0	1649.7	1639.3	1623.2	1608.2	1588.5	1570.3	1556.9
10°	1749.2	1747.6	1750.2	1735.7	1730.5	1714.5	1700.5	1677.1	1651.7	1623.2	1605.6
12.5°	1795.9	1800.5	1804.2	1798.4	1786.0	1781.3	1758.0	1725.3	1716.5	1677.7	1656.4
15°	1830.1	1832.1	1832.7	1826.4	1820.2	1808.3	1794.3	1773.6	1745.0	1711.4	1695.3
17.5°	1828.0	1827.5	1830.6	1827.0	1823.3	1819.7	1808.8	1792.7	1770.5	1738.8	1711.9
20°	1785.5	1794.8	1802.1	1803.6	1803.1	1805.2	1800.0	1789.6	1773.6	1750.8	1720.2
22.5°	1727.4	1723.8	1739.3	1738.3	1745.0	1760.6	1767.3	1763.2	1757.0	1742.5	1718.1
25°	1619.6	1623.2	1634.1	1645.5	1672.0	1681.3	1701.5	1717.1	1719.1	1715.5	1700.5
27.5°	1457.8	1483.8	1489.5	1504.5	1541.3	1571.9	1612.8	1637.2	1672.0	1675.1	1668.3
30°	1313.7	1312.7	1321.5	1348.4	1382.1	1428.3	1481.2	1543.9	1583.8	1611.3	1621.1
32.5°	1136.4	1140.6	1163.4	1196.5	1230.8	1276.9	1338.1	1414.8	1468.2	1525.2	1557.4
35°	971.5	984.5	1006.3	1029.1	1066.4	1129.7	1197.6	1261.4	1343.3	1419.5	1471.3
37.5°	835.7	853.3	869.9	891.7	928.0	976.7	1037.9	1122.4	1203.8	1295.6	1371.8
40°	730.0	736.7	748.1	769.4	793.7	842.5	904.1	967.4	1055.5	1160.8	1260.8
42.5°	647.0	645.5	657.9	671.4	693.7	730.0	783.9	847.1	934.7	1028.1	1129.1
45°	579.6	580.1	585.3	599.3	616.9	637.7	679.1	738.8	805.1	897.9	1005.2
47.5°	524.7	526.2	534.0	543.8	554.2	573.4	600.9	639.7	702.0	779.7	880.3
50°	478.0	480.6	485.8	493.0	500.8	514.3	535.0	565.6	614.9	680.7	771.9
52.5°	436.5	437.6	439.1	445.9	452.1	464.5	480.1	503.9	542.8	597.8	668.8
55°	393.0	391.9	395.6	401.3	407.0	415.8	431.9	451.0	478.5	522.1	580.6
57.5°	348.4	349.9	352.5	355.6	366.0	375.3	387.3	404.9	426.7	460.9	509.6
60°	307.9	307.9	311.1	315.2	321.9	328.2	339.6	355.6	374.8	401.3	442.2
62.5°	268.5	270.6	273.7	275.8	282.0	289.8	298.6	311.1	328.7	349.9	380.5
65°	234.3	233.3	236.4	240.6	245.2	250.4	260.3	270.6	284.1	303.3	328.7
67.5°	199.1	202.2	203.2	205.3	208.9	215.7	220.3	231.2	242.1	259.2	280.5
70°	169.0	171.1	172.6	175.2	178.3	181.5	186.1	194.9	205.8	217.7	232.8
72.5°	142.1	143.6	142.1	144.6	146.2	149.3	155.5	159.7	168.0	178.3	191.8
75°	115.1	116.1	115.6	118.2	118.7	121.8	124.9	128.6	137.9	143.6	152.9
77.5°	90.2	91.2	91.8	92.8	93.8	95.4	96.9	100.6	105.8	110.9	118.2
80°	67.4	67.4	69.0	69.5	70.0	71.0	73.6	74.7	78.3	79.8	85.5
82.5°	46.7	47.2	47.7	47.7	48.2	49.3	49.8	51.8	52.9	55.5	58.1
85°	29.0	29.6	29.6	29.6	31.1	30.6	30.6	31.6	33.2	33.2	34.2
87.5°	14.5	15.0	15.0	15.0	15.6	15.6	15.6	15.6	15.6	16.6	16.1
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1443.3	1442.8	1440.7	1431.4	1424.1	1414.8	1413.3	1411.7	1398.7	1384.7	1380.6
5°	1494.1	1484.8	1471.8	1456.3	1440.7	1423.6	1413.8	1405.5	1385.8	1364.0	1351.6
7.5°	1543.9	1525.8	1505.5	1481.2	1455.2	1427.8	1410.1	1393.6	1366.6	1338.1	1321.0
10°	1586.4	1562.0	1534.0	1501.9	1466.1	1428.8	1402.9	1377.0	1342.7	1308.0	1285.2
12.5°	1621.7	1590.6	1553.7	1510.2	1477.5	1426.2	1389.9	1355.7	1317.9	1272.8	1247.9
15°	1648.6	1618.0	1568.3	1524.2	1481.2	1412.7	1368.7	1332.4	1281.6	1237.5	1198.1
17.5°	1681.3	1637.7	1588.5	1525.2	1477.5	1399.3	1349.5	1302.3	1247.4	1195.5	1152.0
20°	1695.8	1650.2	1597.3	1526.8	1466.1	1384.7	1318.4	1272.8	1206.4	1146.8	1097.5
22.5°	1697.9	1654.3	1596.8	1522.1	1446.4	1363.5	1287.3	1227.7	1161.3	1098.0	1042.6
25°	1689.1	1647.6	1588.0	1513.8	1424.7	1340.7	1255.6	1186.7	1110.0	1044.6	988.1
27.5°	1665.2	1631.5	1575.0	1495.7	1402.4	1305.4	1212.6	1137.4	1061.8	987.6	933.7
30°	1626.8	1604.6	1555.8	1471.8	1373.9	1267.1	1174.3	1086.6	1004.7	935.3	877.2
32.5°	1577.6	1566.7	1526.3	1443.3	1344.8	1225.1	1128.1	1037.9	948.7	882.9	823.3
35°	1514.9	1520.6	1486.4	1411.2	1308.0	1182.5	1074.2	979.8	892.7	822.8	767.8
37.5°	1433.5	1461.5	1439.7	1369.2	1260.8	1139.5	1017.7	922.8	831.6	764.2	716.0
40°	1342.2	1391.5	1381.1	1322.0	1210.0	1089.2	963.3	861.1	771.9	708.2	662.0
42.5°	1234.9	1306.5	1317.9	1264.5	1159.7	1026.5	902.1	803.6	717.5	654.8	610.7
45°	1114.6	1203.3	1241.6	1199.7	1101.2	965.8	839.3	742.4	657.4	604.0	567.2
47.5°	993.8	1100.6	1152.5	1132.3	1032.7	901.0	777.1	682.3	601.9	555.2	520.5
50°	874.6	989.2	1064.9	1051.4	965.3	839.3	714.4	621.1	547.5	504.4	474.9
52.5°	769.9	878.2	960.7	967.4	890.2	768.8	648.0	561.5	498.7	459.9	435.0
55°	666.7	767.3	857.5	874.1	811.3	694.7	586.9	505.0	447.9	415.8	395.6
57.5°	574.4	665.7	755.4	784.4	733.6	628.3	521.0	449.0	399.7	374.8	357.2
60°	496.1	578.6	655.8	685.4	650.6	554.7	460.9	396.6	355.6	333.4	319.4
62.5°	427.7	491.5	559.9	592.6	569.2	485.8	403.9	346.8	313.7	294.5	283.6
65°	366.0	415.3	469.2	507.0	481.1	418.9	350.5	301.2	273.2	255.6	247.8
67.5°	309.0	349.9	393.0	423.0	410.1	353.6	296.0	257.7	234.3	220.9	213.6
70°	257.1	287.7	322.5	345.8	336.5	292.9	247.3	216.7	197.0	187.7	181.5
72.5°	211.0	230.7	257.1	276.3	266.5	235.9	203.2	178.9	164.3	153.5	148.8
75°	167.5	184.6	203.2	216.2	208.4	185.6	159.7	141.0	131.2	124.4	121.3
77.5°	127.0	140.5	153.5	159.7	156.0	139.5	121.8	107.3	99.0	94.9	91.2
80°	91.2	99.0	107.8	113.5	111.5	100.1	87.6	76.2	72.6	67.4	66.4
82.5°	61.2	67.4	69.5	72.1	70.5	65.3	56.5	49.8	46.7	44.1	43.5
85°	36.3	37.8	40.4	40.4	38.9	35.3	30.6	28.5	25.4	24.9	23.3
87.5°	16.1	16.1	16.1	16.1	16.1	15.0	13.0	11.9	10.9	10.4	9.9
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°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1377.0	1371.8	1364.5	1356.2	1349.0	1337.6	1333.9	1333.9	1336.5	1333.4	1330.8
5°	1341.2	1330.8	1320.5	1304.4	1290.9	1272.8	1267.6	1262.4	1261.9	1256.7	1249.9
7.5°	1302.8	1287.3	1266.0	1243.2	1228.7	1209.0	1198.1	1195.0	1185.1	1175.8	1164.9
10°	1258.2	1234.4	1209.0	1187.2	1164.4	1139.0	1126.0	1117.2	1107.4	1096.0	1088.2
12.5°	1204.3	1177.4	1154.0	1128.6	1109.4	1073.7	1069.5	1058.1	1038.4	1021.3	1015.1
15°	1171.1	1124.0	1097.5	1074.2	1045.2	1008.4	994.9	982.4	963.8	952.9	944.1
17.5°	1112.6	1070.0	1036.9	1005.8	977.8	949.3	929.0	918.7	903.6	894.3	885.5
20°	1059.2	1013.0	978.3	942.0	913.0	887.0	869.9	857.0	849.2	839.9	831.0
22.5°	1005.2	957.0	923.8	887.0	852.8	837.3	817.1	806.2	795.8	788.5	779.2
25°	942.5	904.1	862.7	834.2	804.1	788.0	768.8	758.5	750.2	741.9	737.2
27.5°	886.5	847.6	809.3	780.8	755.4	739.8	727.9	718.0	707.7	701.4	697.8
30°	828.5	792.7	759.0	731.5	711.8	694.7	687.4	678.1	670.3	667.7	662.0
32.5°	776.6	736.7	709.7	684.9	668.3	656.3	651.2	641.3	639.7	637.2	634.0
35°	724.8	690.6	664.6	643.4	629.4	620.6	613.8	611.2	608.6	606.0	603.5
37.5°	673.4	646.5	622.1	605.0	593.6	586.9	585.3	580.1	579.6	576.0	576.0
40°	627.3	599.8	582.7	569.2	559.9	556.8	552.7	551.6	550.1	549.0	551.1
42.5°	581.2	562.5	548.0	534.0	526.7	524.1	523.1	521.5	520.5	523.6	524.7
45°	538.1	522.1	509.6	499.8	495.6	492.5	492.5	494.1	493.5	495.1	495.1
47.5°	498.2	483.7	473.3	469.7	464.5	463.5	464.0	463.5	466.1	468.1	470.2
50°	460.4	447.4	439.1	435.5	434.4	432.9	435.0	436.0	437.6	439.6	440.7
52.5°	418.4	412.2	407.0	403.3	402.8	403.3	402.8	406.5	408.0	411.1	410.6
55°	382.6	377.9	374.3	370.2	369.6	371.2	372.2	375.3	377.4	380.0	379.5
57.5°	348.9	345.3	341.1	340.1	339.6	340.1	344.8	344.2	347.4	349.4	350.5
60°	312.1	309.5	305.9	305.9	307.4	308.5	310.0	312.6	315.7	315.2	318.8
62.5°	278.4	275.3	274.3	275.8	275.3	277.9	279.4	279.4	283.6	285.1	286.2
65°	244.7	243.7	242.1	242.1	243.7	244.2	246.8	248.3	249.9	253.0	255.6
67.5°	213.1	210.5	210.5	209.4	211.5	213.1	214.6	216.7	217.7	221.4	222.9
70°	179.9	178.9	178.3	179.4	179.4	180.9	183.5	186.1	188.2	188.7	191.8
72.5°	147.8	147.8	147.8	149.3	150.3	151.9	152.4	154.5	157.6	158.1	159.7
75°	118.7	119.2	118.7	119.2	119.8	121.3	122.4	124.4	126.5	127.0	128.1
77.5°	91.8	90.7	89.7	91.2	92.3	95.4	94.9	95.9	98.0	96.9	98.0
80°	64.3	65.8	63.8	66.9	66.9	66.4	67.4	69.0	68.4	69.5	68.4
82.5°	43.5	42.0	42.0	43.5	44.1	42.5	43.5	44.1	44.6	43.5	43.0
85°	23.8	23.3	24.4	22.8	23.3	22.3	22.3	21.3	22.3	21.3	20.2
87.5°	8.8	8.3	8.8	7.3	6.7	6.2	5.7	5.7	4.7	4.7	4.7
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: P243172

CATALOG NUMBER: S122DRP-H865D935-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1400.8	1400.8	1400.8	1400.8
2.5°	1334.4	1328.7	1326.2	1328.2
5°	1242.7	1244.2	1234.9	1238.0
7.5°	1163.4	1156.6	1158.7	1155.1
10°	1079.4	1075.8	1070.0	1071.1
12.5°	1022.9	998.5	996.9	992.3
15°	943.6	930.1	927.0	925.9
17.5°	880.3	868.9	873.0	869.9
20°	823.3	823.8	817.1	812.9
22.5°	773.0	771.9	769.4	765.2
25°	730.5	730.5	724.3	722.7
27.5°	691.6	692.6	687.4	687.4
30°	662.6	658.9	658.4	659.4
32.5°	633.5	629.4	629.9	629.4
35°	602.4	603.5	601.9	600.3
37.5°	576.0	576.0	576.0	574.4
40°	550.1	551.1	549.5	550.6
42.5°	524.1	524.7	524.7	522.6
45°	498.2	497.7	496.7	498.7
47.5°	471.3	471.3	470.7	471.8
50°	441.7	442.7	441.2	440.7
52.5°	411.6	412.2	411.6	412.7
55°	381.0	381.0	381.6	382.6
57.5°	349.4	353.1	350.5	352.5
60°	318.3	318.8	319.4	318.3
62.5°	288.8	288.2	288.8	290.3
65°	256.6	257.7	257.1	256.1
67.5°	225.0	224.0	225.5	224.0
70°	191.3	193.4	191.8	193.9
72.5°	160.7	160.2	161.2	158.6
75°	128.6	128.6	129.1	128.6
77.5°	98.5	97.5	96.9	95.4
80°	67.9	67.9	65.8	67.4
82.5°	41.5	42.0	42.5	39.4
85°	19.7	19.7	19.2	18.7
87.5°	4.1	4.1	4.7	5.2
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243172  
 CATALOG NUMBER: S122DRP-H865D935-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	20.06	21.58	20.42	21.89	22.21	22.90	24.42	23.26	24.73	25.05
	3H	21.41	22.78	21.79	23.10	23.47	23.92	25.28	24.29	25.61	25.97
	4H	21.89	23.18	22.29	23.53	23.90	24.24	25.52	24.64	25.87	26.25
	6H	22.24	23.43	22.66	23.80	24.19	24.44	25.62	24.85	25.99	26.38
	8H	22.35	23.48	22.78	23.87	24.27	24.48	25.61	24.91	26.00	26.40
	12H	22.42	23.50	22.85	23.88	24.31	24.50	25.58	24.93	25.96	26.39
4H	2H	20.94	22.22	21.34	22.57	22.95	23.14	24.42	23.54	24.77	25.15
	3H	22.44	23.50	22.85	23.90	24.30	24.51	25.57	24.92	25.97	26.37
	4H	23.00	23.96	23.44	24.38	24.82	25.02	25.98	25.45	26.39	26.83
	6H	23.44	24.27	23.90	24.72	25.18	25.35	26.19	25.81	26.63	27.09
	8H	23.58	24.35	24.04	24.80	25.27	25.43	26.21	25.89	26.65	27.12
	12H	23.68	24.37	24.16	24.85	25.32	25.47	26.16	25.95	26.64	27.11
8H	4H	23.44	24.22	23.90	24.66	25.13	25.16	25.94	25.62	26.38	26.85
	6H	23.96	24.61	24.46	25.10	25.58	25.60	26.24	26.10	26.73	27.21
	8H	24.15	24.73	24.66	25.24	25.72	25.73	26.31	26.25	26.82	27.31
	12H	24.31	24.81	24.82	25.31	25.87	25.82	26.33	26.33	26.82	27.39
12H	4H	23.50	24.19	23.98	24.67	25.14	25.15	25.85	25.63	26.33	26.80
	6H	24.04	24.62	24.55	25.13	25.62	25.60	26.18	26.12	26.69	27.18
	8H	24.28	24.79	24.79	25.28	25.84	25.78	26.29	26.29	26.78	27.35