

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: P242308

Luminaire Tested: S122DRP-S1005D930-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DRP-S1005D930-X4F0-XX-UDD-A-W
Description: DEFINE 2 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

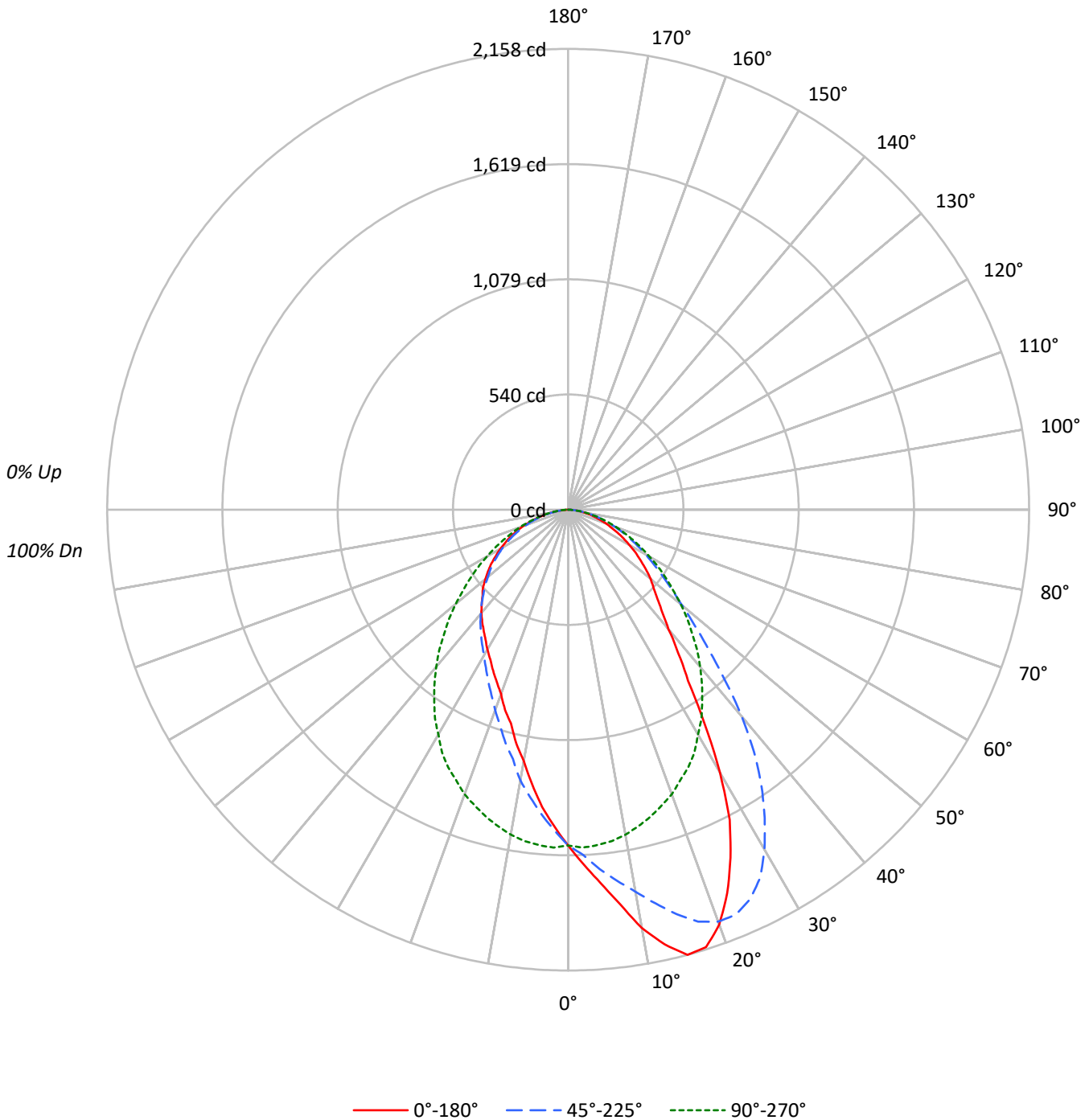
Lumens per Lamp: N/A
Luminaire Lumens: 3468.4 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.23
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86					86			
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74					74			
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	74	69	66	64					64			
4	86	75	66	60	83	73	66	60	71	64	59	69	63	58	66	62	58	55					55			
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49					49			
6	74	61	53	47	72	60	52	46	58	51	46	57	51	46	55	50	45	43					43			
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39					39			
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35					35			
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32					32			
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29					29			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	29947	29947	29947	29947	29947
5°	33574	32314	30143	27381	26711
10°	38472	35130	29894	24904	23117
15°	42561	38664	29347	22317	20424
20°	41913	41619	28757	20258	18616
25°	37792	42313	27975	18604	17473
30°	31232	40415	26725	17316	16639
35°	22762	36672	25418	16524	16045
40°	18179	31447	23873	15837	15715
45°	15885	25146	22086	15136	15268
50°	14932	20521	20358	14556	14968
55°	13765	17840	18600	14027	14569
60°	12613	15882	16735	13398	13951
65°	11493	14351	15058	12584	13345
70°	10431	12820	13427	11612	12453
75°	9251	11341	11606	10406	11032
80°	7953	9609	9609	8545	8885
85°	7125	7780	7125	5945	5289

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 65°
 Vertical Angle: 45°
 Luminance: 38526 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	4.3
10°-20°	435.9	12.6
20°-30°	632.6	18.2
30°-40°	666.8	19.2
40°-50°	590.0	17.0
50°-60°	471.0	13.6
60°-70°	319.9	9.2
70°-80°	163.7	4.7
80°-90°	38.7	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°	1218.2	35.1
0°-40°	1885.0	54.3
0°-60°	2946.0	84.9
0°-90°	3468.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3468.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1572	1572	1572	1572	1572	
5°	1756	1690	1576	1432	1397	175
15°	2158	1961	1488	1132	1036	598
25°	1798	2013	1331	885	831	816
35°	979	1577	1093	711	690	634
45°	590	934	820	562	567	462
55°	414	537	560	422	439	372
65°	255	318	334	279	296	253
75°	126	154	158	141	150	134
85°	33	36	33	27	24	37
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°	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2
2.5°	1662.9	1663.5	1664.7	1655.0	1653.8	1653.8	1645.3	1638.1	1629.6	1618.1	1619.4
5°	1755.9	1762.6	1765.0	1757.7	1746.8	1745.6	1735.4	1718.4	1702.7	1690.0	1681.0
7.5°	1863.5	1865.9	1861.0	1852.6	1845.3	1831.4	1814.5	1798.2	1774.0	1752.3	1736.6
10°	1989.1	1992.8	1982.5	1968.6	1957.1	1940.2	1912.4	1884.0	1849.6	1816.3	1789.7
12.5°	2084.6	2094.9	2081.0	2082.2	2060.4	2035.7	2001.2	1990.4	1938.4	1888.8	1859.8
15°	2158.3	2157.7	2158.9	2147.5	2133.0	2129.3	2094.3	2056.2	1987.9	1960.7	1913.6
17.5°	2147.5	2155.9	2160.7	2157.1	2154.7	2149.3	2134.2	2105.8	2068.3	2022.4	1966.2
20°	2067.7	2079.8	2081.6	2095.5	2103.3	2113.6	2117.8	2111.2	2090.1	2053.2	2006.1
22.5°	1944.4	1945.6	1952.3	1975.9	1995.2	2024.8	2040.5	2070.1	2065.3	2052.0	2014.5
25°	1798.2	1792.2	1813.3	1824.2	1863.5	1904.6	1934.2	1966.8	1995.8	2013.3	2001.8
27.5°	1636.3	1623.6	1655.6	1684.0	1711.8	1751.7	1796.4	1849.6	1890.1	1945.0	1958.3
30°	1420.0	1425.4	1455.6	1486.4	1534.8	1597.6	1649.6	1709.4	1774.0	1837.5	1881.6
32.5°	1186.7	1211.5	1227.8	1279.2	1320.3	1392.2	1474.3	1552.9	1637.5	1711.8	1786.1
35°	978.9	1003.0	1029.6	1064.1	1123.9	1193.4	1267.7	1368.6	1478.6	1577.1	1658.0
37.5°	847.1	842.9	859.2	884.6	936.0	995.8	1084.0	1186.7	1318.4	1427.8	1536.6
40°	731.1	728.7	739.6	762.5	799.4	840.5	915.4	1003.0	1123.3	1264.7	1400.6
42.5°	651.4	653.8	658.6	673.1	695.5	727.5	778.9	850.2	957.7	1088.8	1237.5
45°	589.7	594.0	600.6	608.5	623.0	650.8	682.2	735.4	822.4	933.5	1077.4
47.5°	541.4	542.6	549.9	557.1	565.6	582.5	610.3	644.1	710.6	805.4	934.1
50°	503.9	499.7	504.5	510.0	519.0	529.9	546.8	578.3	619.3	692.5	795.8
52.5°	458.0	459.2	463.4	464.7	472.5	483.4	498.5	517.8	554.1	607.3	687.6
55°	414.5	417.5	419.9	423.6	430.8	438.7	450.8	465.3	494.3	537.2	600.0
57.5°	373.4	374.6	376.4	384.3	388.5	395.8	407.9	421.2	440.5	473.7	523.3
60°	331.1	331.1	336.0	339.0	345.0	352.3	361.3	374.0	390.9	416.9	455.0
62.5°	292.5	291.8	293.1	298.5	302.7	309.4	318.4	328.7	344.4	366.8	396.4
65°	255.0	253.8	257.4	258.6	263.4	270.1	277.3	288.8	301.5	318.4	346.2
67.5°	217.5	219.3	221.8	224.2	226.6	234.4	239.3	247.7	258.6	273.1	292.5
70°	187.3	187.3	187.3	189.1	192.8	196.4	201.2	207.9	218.1	230.2	247.1
72.5°	153.5	155.9	158.3	156.5	161.3	163.1	169.2	172.2	181.9	188.5	203.0
75°	125.7	125.7	125.7	128.7	130.5	132.3	136.0	139.6	144.4	154.1	161.9
77.5°	99.1	98.5	99.1	99.7	102.1	104.5	105.7	108.8	113.6	118.4	125.7
80°	72.5	73.7	74.3	75.5	75.5	76.7	77.3	81.6	84.6	87.6	91.8
82.5°	52.0	52.0	52.0	52.0	52.6	53.2	55.0	55.6	56.2	58.6	61.6
85°	32.6	32.0	32.0	33.2	32.6	32.6	33.8	35.0	35.0	35.6	37.5
87.5°	15.7	15.7	16.3	15.7	15.7	16.3	16.3	15.7	16.3	16.9	17.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2
2.5°	1623.6	1618.7	1615.7	1604.9	1595.2	1585.5	1582.5	1583.7	1570.4	1557.7	1552.3
5°	1676.2	1664.1	1652.6	1636.3	1616.9	1595.8	1584.9	1576.5	1555.3	1532.3	1519.0
7.5°	1723.9	1708.2	1687.6	1658.6	1632.0	1600.6	1581.3	1565.0	1535.4	1504.5	1485.8
10°	1766.8	1743.2	1714.8	1677.4	1642.9	1602.4	1574.0	1545.6	1509.4	1470.7	1446.5
12.5°	1803.6	1769.8	1742.0	1691.3	1649.0	1595.8	1560.7	1517.8	1479.2	1431.4	1407.9
15°	1866.5	1807.9	1754.7	1700.3	1650.2	1579.5	1542.0	1488.2	1438.1	1381.3	1354.1
17.5°	1913.0	1849.6	1767.4	1701.5	1645.9	1570.4	1516.6	1452.6	1395.8	1332.9	1296.7
20°	1951.7	1876.2	1786.1	1703.9	1633.9	1544.4	1484.6	1418.7	1349.3	1276.1	1236.3
22.5°	1974.6	1894.3	1805.5	1694.9	1609.7	1523.3	1444.1	1370.4	1299.7	1219.3	1177.1
25°	1975.9	1903.3	1809.1	1690.7	1590.3	1491.9	1401.2	1331.1	1245.9	1172.2	1111.2
27.5°	1955.9	1898.5	1807.3	1682.2	1568.0	1455.0	1356.5	1279.8	1189.7	1110.0	1049.0
30°	1911.8	1881.6	1793.4	1667.7	1540.2	1416.3	1305.2	1215.1	1125.7	1044.7	981.9
32.5°	1843.5	1842.9	1768.0	1647.1	1510.6	1367.4	1251.4	1160.1	1058.6	979.5	920.3
35°	1749.9	1778.9	1729.9	1614.5	1471.9	1321.5	1197.0	1093.1	990.3	914.2	858.0
37.5°	1630.8	1697.9	1678.6	1571.0	1422.4	1272.5	1137.2	1028.4	929.9	851.4	796.4
40°	1507.0	1598.8	1612.1	1519.7	1369.2	1213.9	1068.3	960.1	864.7	794.6	739.0
42.5°	1374.0	1485.2	1527.5	1458.0	1311.2	1152.3	1006.7	893.7	799.4	731.7	684.0
45°	1222.4	1364.4	1430.2	1387.9	1245.3	1083.4	933.5	819.9	734.1	670.1	632.0
47.5°	1085.2	1239.3	1323.3	1303.3	1174.6	1013.9	865.9	755.3	670.1	618.1	582.5
50°	937.8	1097.3	1204.2	1209.1	1097.3	938.4	789.7	687.0	610.3	562.5	534.7
52.5°	809.7	960.1	1079.2	1110.0	1010.9	859.8	721.5	619.3	554.1	511.2	487.0
55°	701.5	830.2	959.5	1006.7	925.1	780.1	650.2	560.1	496.7	466.5	444.7
57.5°	598.8	711.8	834.5	884.0	832.0	704.5	578.9	499.7	445.9	418.7	401.8
60°	520.9	605.4	711.8	774.0	730.5	619.9	513.6	439.3	397.0	373.4	357.7
62.5°	448.3	520.9	606.7	662.2	643.5	540.8	448.3	384.9	349.9	328.1	317.8
65°	381.9	441.1	510.6	563.1	547.4	468.3	390.3	334.1	305.1	287.6	278.6
67.5°	325.1	370.4	419.9	468.3	455.0	396.4	330.5	285.2	262.8	247.1	241.7
70°	271.9	304.5	347.4	384.3	374.0	328.1	278.6	241.1	222.4	209.7	204.2
72.5°	221.2	246.5	276.7	305.1	299.1	262.8	223.6	197.6	184.3	172.8	168.6
75°	174.6	195.2	215.1	235.0	233.2	203.6	179.5	157.7	146.2	137.2	135.3
77.5°	136.6	149.2	163.7	176.4	173.4	154.1	134.1	120.8	111.8	105.7	105.1
80°	98.5	105.1	114.8	123.3	119.0	111.8	96.7	87.6	81.6	75.5	73.1
82.5°	64.7	71.3	76.1	79.8	76.7	70.1	62.2	56.8	53.8	50.2	49.5
85°	37.5	41.1	43.5	44.7	43.5	39.3	35.0	32.6	29.6	27.8	27.2
87.5°	18.1	18.1	18.1	19.3	17.5	17.5	15.1	13.3	12.7	12.1	10.9
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°	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2	1572.2
2.5°	1546.2	1542.6	1529.9	1523.3	1512.4	1502.1	1495.5	1498.5	1500.9	1499.7	1497.9
5°	1507.0	1495.5	1478.0	1462.9	1452.0	1432.0	1423.6	1419.4	1415.7	1411.5	1407.3
7.5°	1463.5	1447.1	1422.4	1403.0	1383.7	1358.3	1345.6	1338.4	1330.5	1321.5	1313.0
10°	1416.3	1391.0	1364.4	1334.2	1310.0	1287.6	1267.7	1254.4	1242.3	1230.8	1222.4
12.5°	1366.8	1336.6	1302.1	1258.0	1230.8	1196.4	1197.6	1171.6	1151.1	1145.0	1134.8
15°	1313.6	1272.5	1230.8	1181.9	1160.7	1131.7	1113.6	1095.5	1079.2	1067.7	1064.7
17.5°	1255.6	1200.6	1160.1	1123.9	1089.4	1059.8	1044.1	1029.6	1015.7	998.8	998.2
20°	1187.3	1141.4	1096.1	1065.3	1029.6	999.4	978.9	964.4	952.9	943.8	936.0
22.5°	1122.7	1071.3	1030.8	996.4	961.3	938.4	923.3	909.4	900.3	890.0	882.8
25°	1052.6	1013.3	968.0	929.9	900.9	885.2	871.9	859.8	853.8	847.1	838.7
27.5°	992.8	949.3	904.5	874.9	848.3	834.5	824.2	815.1	809.7	805.4	800.0
30°	928.7	884.6	851.4	822.4	801.2	787.3	781.3	776.4	769.8	767.4	765.0
32.5°	867.1	828.4	801.2	777.0	757.1	749.3	743.8	739.6	734.8	732.3	726.9
35°	809.7	776.4	748.6	734.8	718.4	710.6	706.4	700.3	695.5	693.1	692.5
37.5°	754.7	724.5	705.7	687.0	679.2	674.9	668.9	664.7	662.8	662.2	661.6
40°	701.5	678.0	661.6	647.1	644.1	636.9	632.0	628.4	628.4	629.0	628.4
42.5°	653.2	632.6	618.7	606.7	603.0	599.4	594.6	595.2	596.4	598.8	596.4
45°	604.2	589.1	578.9	572.8	566.2	561.9	561.3	563.1	563.8	564.4	566.2
47.5°	558.3	548.6	539.0	531.7	528.7	528.1	526.9	529.9	532.9	533.5	536.6
50°	518.4	507.0	499.1	494.9	492.5	491.2	492.5	496.1	498.5	501.5	503.3
52.5°	473.7	466.5	461.6	458.6	458.0	459.2	459.2	463.4	467.7	468.3	468.9
55°	433.2	427.2	426.0	420.5	423.0	422.4	425.4	427.8	431.4	435.1	435.7
57.5°	392.1	386.7	383.1	383.7	384.3	386.7	389.1	393.4	397.6	401.8	401.8
60°	351.1	348.6	346.8	346.8	348.0	351.7	354.7	358.9	361.3	363.8	365.6
62.5°	313.6	311.2	309.4	310.6	314.2	316.0	319.6	321.5	323.9	326.3	326.9
65°	273.7	272.5	274.3	275.5	276.1	279.2	283.4	285.2	287.6	288.8	293.1
67.5°	237.5	237.5	236.9	238.7	242.3	242.9	247.1	252.0	252.0	254.4	257.4
70°	200.6	201.8	203.0	204.2	207.3	208.5	211.5	213.3	215.7	217.5	219.3
72.5°	166.8	166.8	168.0	167.4	169.8	172.8	175.2	177.0	179.5	181.9	183.7
75°	133.5	133.5	134.7	135.3	138.4	141.4	140.8	142.0	144.4	146.8	148.0
77.5°	103.3	102.1	103.3	103.9	105.1	107.6	108.2	110.0	113.0	112.4	113.6
80°	74.3	72.5	74.3	74.9	74.9	77.9	77.9	79.2	81.0	79.2	81.0
82.5°	47.7	47.1	48.3	48.3	49.5	48.9	50.2	50.2	52.0	51.4	52.0
85°	26.6	26.0	26.6	26.0	26.6	27.2	27.2	26.6	26.6	27.8	26.0
87.5°	10.3	9.7	9.1	9.1	8.5	7.9	7.3	7.3	7.3	6.0	6.0
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: P242308

CATALOG NUMBER: S122DRP-S1005D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1572.2	1572.2	1572.2	1572.2
2.5°	1491.9	1490.7	1490.7	1485.2
5°	1398.8	1397.0	1394.0	1397.0
7.5°	1310.6	1302.7	1301.5	1295.5
10°	1212.1	1207.3	1206.7	1195.2
12.5°	1137.2	1123.9	1126.9	1121.5
15°	1048.3	1048.3	1045.9	1035.7
17.5°	984.9	984.3	978.9	982.5
20°	929.3	925.7	918.4	918.4
22.5°	876.7	877.4	869.5	872.5
25°	838.1	833.2	829.6	831.4
27.5°	798.2	796.4	795.8	790.3
30°	764.4	758.3	759.5	756.5
32.5°	725.7	724.5	722.7	720.2
35°	691.2	691.9	688.8	690.0
37.5°	660.4	662.8	661.0	661.0
40°	630.2	630.2	630.2	632.0
42.5°	601.2	600.0	598.8	598.2
45°	567.4	569.2	569.8	566.8
47.5°	537.8	538.4	537.8	541.4
50°	506.3	505.1	506.3	505.1
52.5°	473.1	473.7	472.5	472.5
55°	438.1	439.3	438.7	438.7
57.5°	402.4	403.0	404.2	401.2
60°	365.0	368.0	367.4	366.2
62.5°	330.5	331.1	331.1	331.1
65°	294.9	296.1	294.3	296.1
67.5°	256.2	256.8	258.0	258.6
70°	220.5	219.9	221.8	223.6
72.5°	183.1	184.9	183.7	184.9
75°	146.8	148.6	148.0	149.9
77.5°	112.4	113.0	113.0	113.6
80°	81.0	79.8	78.6	81.0
82.5°	50.2	51.4	50.2	49.5
85°	26.0	25.4	24.2	24.2
87.5°	6.0	5.4	5.4	4.8
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242308
 CATALOG NUMBER: S122DRP-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	20.11	21.62	20.47	21.94	22.25	23.36	24.88	23.73	25.19	25.51
	3H	21.51	22.88	21.89	23.20	23.56	24.37	25.73	24.75	26.06	26.42
	4H	22.02	23.29	22.42	23.64	24.02	24.69	25.96	25.09	26.31	26.69
	6H	22.37	23.55	22.78	23.92	24.31	24.88	26.06	25.30	26.43	26.82
	8H	22.48	23.61	22.91	24.00	24.40	24.93	26.05	25.35	26.44	26.84
	12H	22.56	23.63	22.99	24.01	24.44	24.95	26.02	25.38	26.40	26.83
4H	2H	20.97	22.24	21.37	22.59	22.97	23.57	24.85	23.97	25.20	25.57
	3H	22.52	23.58	22.93	23.98	24.38	24.91	25.97	25.32	26.37	26.77
	4H	23.11	24.07	23.55	24.48	24.92	25.42	26.37	25.85	26.79	27.23
	6H	23.56	24.39	24.02	24.83	25.29	25.75	26.58	26.21	27.02	27.48
	8H	23.70	24.47	24.16	24.92	25.39	25.83	26.60	26.29	27.05	27.51
	12H	23.80	24.49	24.28	24.97	25.44	25.87	26.56	26.35	27.04	27.51
8H	4H	23.55	24.32	24.01	24.77	25.23	25.55	26.32	26.01	26.76	27.23
	6H	24.08	24.72	24.58	25.21	25.69	25.98	26.62	26.48	27.11	27.59
	8H	24.27	24.85	24.79	25.35	25.84	26.12	26.69	26.63	27.20	27.69
	12H	24.43	24.94	24.94	25.43	25.99	26.21	26.71	26.72	27.21	27.77
12H	4H	23.60	24.29	24.08	24.77	25.24	25.54	26.23	26.02	26.71	27.18
	6H	24.16	24.73	24.67	25.24	25.73	25.98	26.56	26.50	27.07	27.56
	8H	24.40	24.91	24.91	25.40	25.96	26.16	26.67	26.67	27.16	27.73