

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: P243148

Luminaire Tested: S122DRP-H1005D927-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243148
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-H1005D927-X4F0-XX-UDD-A-W
Description: DEFINE 2 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

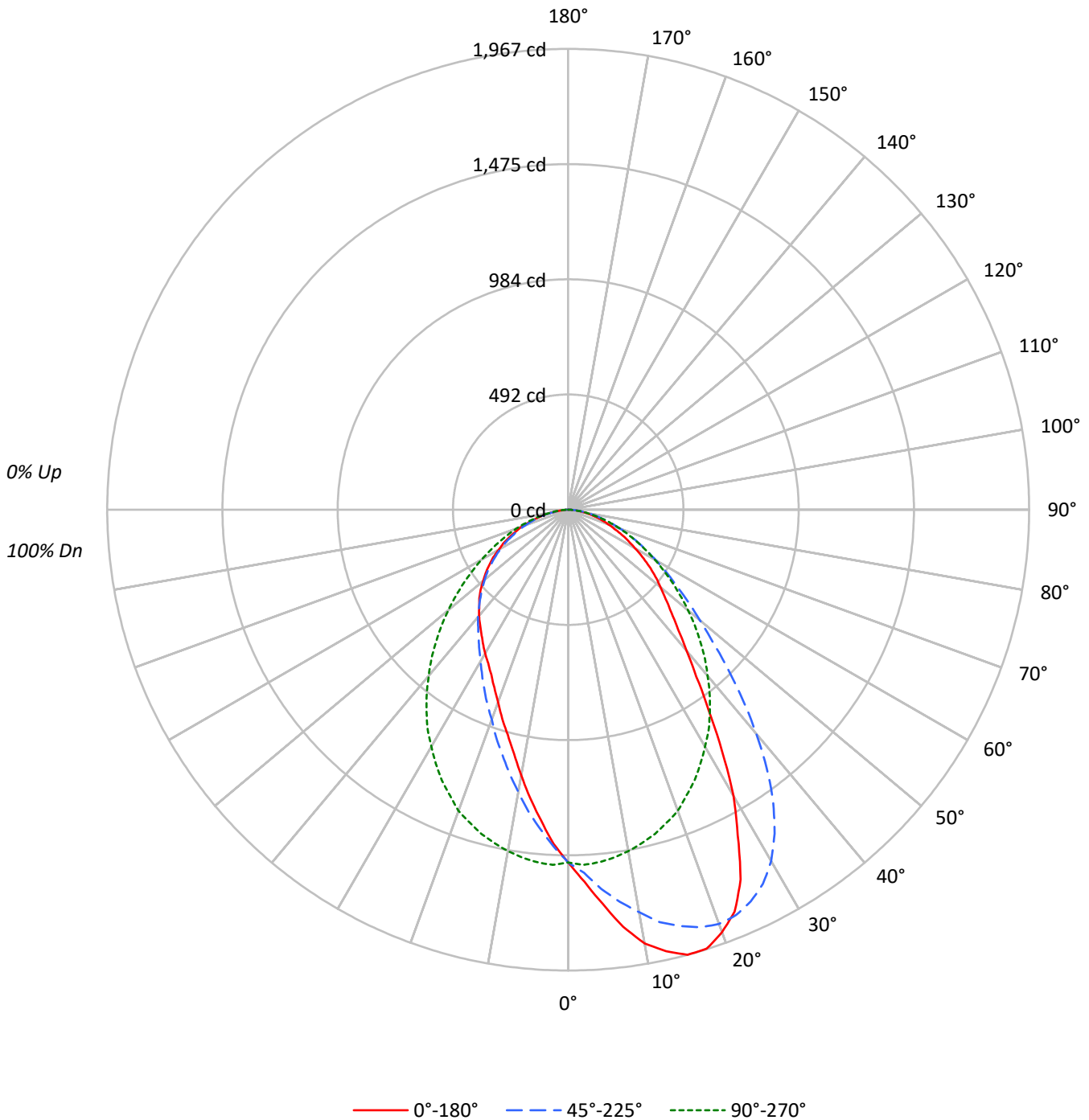
Lumens per Lamp: N/A
Luminaire Lumens: 3340.9 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.24
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74				74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	63				63
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55				55
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49				49
6	73	61	52	46	72	60	52	46	58	51	46	57	50	45	55	49	45	43				43
7	68	56	47	41	67	55	47	41	53	46	41	52	46	41	51	45	40	39				39
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35				35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	34	43	38	33	32				32
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	31	29				29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28678	28678	28678	28678	28678
5°	32304	31069	28883	26157	25442
10°	36364	33745	28625	23678	22266
15°	38789	36272	28240	21372	19625
20°	38900	38142	27730	19326	17710
25°	36586	38753	26807	17801	16326
30°	31056	38090	25687	16423	15590
35°	24281	35477	24490	15510	15005
40°	19509	31022	23013	14882	14715
45°	16782	25997	21493	14261	14439
50°	15225	21679	19783	13788	14034
55°	14027	18633	18022	13250	13655
60°	12610	16431	16240	12629	13032
65°	11353	14693	14589	11831	12408
70°	10119	13032	12971	10832	11606
75°	9104	11363	11157	9597	10171
80°	7942	9412	8984	7821	7942
85°	6819	7802	6688	5245	4393

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 65°
 Vertical Angle: 45°
 Luminance: 35948 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	4.3
10°-20°	412.3	12.3
20°-30°	599.6	17.9
30°-40°	643.1	19.3
40°-50°	576.4	17.3
50°-60°	459.5	13.8
60°-70°	310.8	9.3
70°-80°	158.5	4.7
80°-90°	37.1	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°	1155.3	34.6
0°-40°	1798.4	53.8
0°-60°	2834.4	84.8
0°-90°	3340.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3340.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1506	1506	1506	1506	1506	
5°	1690	1625	1511	1368	1331	167
15°	1967	1839	1432	1084	995	551
25°	1741	1844	1276	847	777	783
35°	1044	1526	1053	667	645	662
45°	623	965	798	529	536	487
55°	422	561	543	399	411	377
65°	252	326	324	262	275	250
75°	124	154	152	130	138	132
85°	31	36	31	24	20	36
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°	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6
2.5°	1589.2	1594.2	1589.8	1588.1	1584.7	1583.6	1574.7	1567.5	1563.0	1550.8	1551.9
5°	1689.5	1700.6	1694.5	1694.0	1681.7	1673.9	1666.1	1655.0	1638.2	1624.9	1614.3
7.5°	1795.4	1789.8	1788.1	1782.0	1773.1	1761.9	1744.7	1728.5	1707.3	1687.8	1673.3
10°	1880.1	1878.4	1881.2	1865.6	1860.0	1842.7	1827.7	1802.6	1775.3	1744.7	1725.7
12.5°	1930.2	1935.2	1939.1	1933.0	1919.6	1914.6	1889.5	1854.4	1845.0	1803.2	1780.3
15°	1967.0	1969.2	1969.8	1963.1	1956.4	1943.6	1928.5	1906.3	1875.6	1839.4	1822.1
17.5°	1964.8	1964.2	1967.6	1963.7	1959.8	1955.9	1944.2	1926.9	1902.9	1868.9	1840.0
20°	1919.1	1929.1	1936.9	1938.6	1938.0	1940.3	1934.7	1923.5	1906.3	1881.7	1848.9
22.5°	1856.7	1852.8	1869.5	1868.4	1875.6	1892.3	1899.6	1895.1	1888.4	1872.8	1846.6
25°	1740.8	1744.7	1756.4	1768.6	1797.0	1807.1	1828.8	1845.5	1847.8	1843.9	1827.7
27.5°	1566.9	1594.8	1600.9	1617.1	1656.6	1689.5	1733.5	1759.7	1797.0	1800.4	1793.1
30°	1412.0	1410.9	1420.4	1449.3	1485.6	1535.1	1592.0	1659.4	1702.3	1731.8	1742.4
32.5°	1221.4	1225.9	1250.4	1286.1	1322.8	1372.4	1438.2	1520.7	1578.1	1639.4	1673.9
35°	1044.2	1058.2	1081.6	1106.1	1146.2	1214.2	1287.2	1355.7	1443.8	1525.7	1581.4
37.5°	898.2	917.2	935.0	958.4	997.4	1049.8	1115.6	1206.4	1293.9	1392.5	1474.4
40°	784.6	791.8	804.1	826.9	853.1	905.5	971.8	1039.8	1134.5	1247.6	1355.2
42.5°	695.4	693.7	707.1	721.6	745.6	784.6	842.5	910.5	1004.7	1105.0	1213.6
45°	623.0	623.5	629.1	644.2	663.1	685.4	730.0	794.0	865.4	965.1	1080.5
47.5°	563.9	565.6	573.9	584.5	595.7	616.3	645.8	687.6	754.5	838.1	946.2
50°	513.8	516.5	522.1	529.9	538.3	552.8	575.1	607.9	660.9	731.6	829.7
52.5°	469.2	470.3	472.0	479.2	485.9	499.3	516.0	541.6	583.4	642.5	718.8
55°	422.4	421.3	425.2	431.3	437.4	446.9	464.2	484.8	514.3	561.1	624.1
57.5°	374.5	376.1	378.9	382.3	393.4	403.4	416.2	435.2	458.6	495.4	547.8
60°	331.0	331.0	334.3	338.8	346.0	352.7	365.0	382.3	402.9	431.3	475.3
62.5°	288.6	290.9	294.2	296.4	303.1	311.5	321.0	334.3	353.3	376.1	409.0
65°	251.9	250.8	254.1	258.6	263.6	269.1	279.7	290.9	305.4	326.0	353.3
67.5°	214.0	217.3	218.4	220.7	224.6	231.8	236.8	248.5	260.2	278.6	301.5
70°	181.7	183.9	185.6	188.3	191.7	195.0	200.0	209.5	221.2	234.0	250.2
72.5°	152.7	154.4	152.7	155.5	157.1	160.5	167.2	171.6	180.5	191.7	206.2
75°	123.7	124.8	124.3	127.0	127.6	130.9	134.3	138.2	148.2	154.4	164.4
77.5°	97.0	98.1	98.6	99.7	100.9	102.5	104.2	108.1	113.7	119.2	127.0
80°	72.4	72.4	74.1	74.7	75.2	76.3	79.1	80.2	84.1	85.8	91.9
82.5°	50.2	50.7	51.3	51.3	51.8	52.9	53.5	55.7	56.8	59.6	62.4
85°	31.2	31.8	31.8	31.8	33.4	32.9	32.9	34.0	35.7	35.7	36.8
87.5°	15.6	16.2	16.2	16.2	16.7	16.7	16.7	16.7	16.7	17.8	17.3
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°	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6
2.5°	1551.3	1550.8	1548.5	1538.5	1530.7	1520.7	1519.0	1517.3	1503.4	1488.3	1483.9
5°	1605.9	1595.9	1582.0	1565.2	1548.5	1530.1	1519.5	1510.6	1489.5	1466.1	1452.7
7.5°	1659.4	1639.9	1618.2	1592.0	1564.1	1534.6	1515.6	1497.8	1468.8	1438.2	1419.8
10°	1705.1	1678.9	1648.8	1614.3	1575.8	1535.7	1507.8	1480.0	1443.2	1405.9	1381.4
12.5°	1743.0	1709.6	1670.0	1623.2	1588.1	1532.9	1493.9	1457.1	1416.5	1368.0	1341.2
15°	1772.0	1739.1	1685.6	1638.2	1592.0	1518.4	1471.1	1432.1	1377.5	1330.1	1287.7
17.5°	1807.1	1760.3	1707.3	1639.4	1588.1	1503.9	1450.5	1399.7	1340.7	1285.0	1238.1
20°	1822.7	1773.6	1716.8	1641.0	1575.8	1488.3	1417.0	1368.0	1296.7	1232.6	1179.6
22.5°	1824.9	1778.1	1716.2	1636.0	1554.7	1465.5	1383.6	1319.5	1248.2	1180.2	1120.6
25°	1815.4	1770.9	1706.8	1627.1	1531.2	1441.0	1349.6	1275.5	1193.0	1122.8	1062.1
27.5°	1789.8	1753.6	1692.8	1607.6	1507.3	1403.1	1303.3	1222.5	1141.2	1061.5	1003.6
30°	1748.6	1724.6	1672.2	1582.0	1476.6	1361.9	1262.1	1167.9	1079.9	1005.2	942.8
32.5°	1695.6	1683.9	1640.5	1551.3	1445.4	1316.7	1212.5	1115.6	1019.7	949.0	884.9
35°	1628.2	1634.3	1597.6	1516.8	1405.9	1271.0	1154.6	1053.2	959.5	884.3	825.2
37.5°	1540.7	1570.8	1547.4	1471.6	1355.2	1224.8	1093.8	991.9	893.8	821.3	769.5
40°	1442.7	1495.6	1484.4	1420.9	1300.6	1170.7	1035.3	925.5	829.7	761.2	711.6
42.5°	1327.3	1404.2	1416.5	1359.1	1246.5	1103.3	969.6	863.7	771.2	703.8	656.4
45°	1198.0	1293.3	1334.5	1289.4	1183.5	1038.1	902.1	797.9	706.6	649.2	609.6
47.5°	1068.2	1183.0	1238.7	1217.0	1110.0	968.5	835.3	733.3	646.9	596.8	559.5
50°	940.0	1063.2	1144.5	1130.0	1037.5	902.1	767.9	667.6	588.4	542.2	510.4
52.5°	827.5	943.9	1032.5	1039.8	956.8	826.4	696.5	603.5	536.0	494.3	467.5
55°	716.6	824.7	921.6	939.5	872.1	746.7	630.8	542.7	481.4	446.9	425.2
57.5°	617.4	715.5	811.9	843.1	788.5	675.4	560.0	482.6	429.6	402.9	383.9
60°	533.3	621.9	704.9	736.6	699.3	596.2	495.4	426.3	382.3	358.3	343.2
62.5°	459.7	528.2	601.8	636.9	611.8	522.1	434.1	372.8	337.1	316.5	304.8
65°	393.4	446.3	504.3	545.0	517.1	450.2	376.7	323.7	293.7	274.7	266.4
67.5°	332.1	376.1	422.4	454.7	440.8	380.0	318.2	276.9	251.9	237.4	229.6
70°	276.4	309.3	346.6	371.7	361.6	314.8	265.8	232.9	211.7	201.7	195.0
72.5°	226.8	248.0	276.4	297.0	286.4	253.5	218.4	192.2	176.6	164.9	159.9
75°	180.0	198.4	218.4	232.4	224.0	199.5	171.6	151.6	141.0	133.7	130.4
77.5°	136.5	151.0	164.9	171.6	167.7	149.9	130.9	115.3	106.4	102.0	98.1
80°	98.1	106.4	115.9	122.0	119.8	107.5	94.2	81.9	78.0	72.4	71.3
82.5°	65.8	72.4	74.7	77.5	75.8	70.2	60.7	53.5	50.2	47.4	46.8
85°	39.0	40.7	43.5	43.5	41.8	37.9	32.9	30.6	27.3	26.7	25.1
87.5°	17.3	17.3	17.3	17.3	17.3	16.2	13.9	12.8	11.7	11.1	10.6
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°	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6	1505.6
2.5°	1480.0	1474.4	1466.6	1457.7	1449.9	1437.6	1433.7	1433.7	1436.5	1433.2	1430.4
5°	1441.5	1430.4	1419.2	1402.0	1387.5	1368.0	1362.4	1356.8	1356.3	1350.7	1343.5
7.5°	1400.3	1383.6	1360.7	1336.2	1320.6	1299.4	1287.7	1284.4	1273.8	1263.8	1252.1
10°	1352.4	1326.7	1299.4	1276.0	1251.5	1224.2	1210.3	1200.8	1190.2	1178.0	1169.6
12.5°	1294.4	1265.5	1240.4	1213.1	1192.5	1154.0	1149.6	1137.3	1116.1	1097.7	1091.0
15°	1258.8	1208.1	1179.6	1154.6	1123.4	1083.8	1069.3	1055.9	1035.9	1024.2	1014.7
17.5°	1195.8	1150.1	1114.4	1081.0	1050.9	1020.3	998.5	987.4	971.2	961.2	951.7
20°	1138.4	1088.8	1051.5	1012.5	981.3	953.4	935.0	921.1	912.7	902.7	893.2
22.5°	1080.5	1028.6	993.0	953.4	916.6	899.9	878.2	866.5	855.3	847.5	837.5
25°	1013.0	971.8	927.2	896.6	864.3	847.0	826.4	815.2	806.3	797.4	792.4
27.5°	952.9	911.1	869.8	839.2	811.9	795.2	782.3	771.8	760.6	753.9	750.0
30°	890.4	852.0	815.8	786.2	765.1	746.7	738.9	728.8	720.5	717.7	711.6
32.5°	834.7	791.8	762.8	736.1	718.3	705.4	699.9	689.3	687.6	684.8	681.5
35°	779.0	742.2	714.4	691.5	676.5	667.0	659.8	657.0	654.2	651.4	648.6
37.5°	723.8	694.9	668.7	650.3	638.0	630.8	629.1	623.5	623.0	619.1	619.1
40°	674.2	644.7	626.3	611.8	601.8	598.5	594.0	592.9	591.2	590.1	592.3
42.5°	624.6	604.6	589.0	573.9	566.1	563.4	562.2	560.6	559.5	562.8	563.9
45°	578.4	561.1	547.8	537.2	532.7	529.4	529.4	531.0	530.5	532.1	532.1
47.5°	535.5	519.9	508.7	504.8	499.3	498.2	498.7	498.2	500.9	503.2	505.4
50°	494.8	480.9	472.0	468.1	467.0	465.3	467.5	468.6	470.3	472.5	473.6
52.5°	449.7	443.0	437.4	433.5	433.0	433.5	433.0	436.9	438.5	441.9	441.3
55°	411.2	406.2	402.3	397.9	397.3	399.0	400.1	403.4	405.7	408.4	407.9
57.5°	375.0	371.1	366.7	365.5	365.0	365.5	370.6	370.0	373.3	375.6	376.7
60°	335.4	332.7	328.8	328.8	330.4	331.5	333.2	336.0	339.3	338.8	342.7
62.5°	299.2	295.9	294.8	296.4	295.9	298.7	300.3	300.3	304.8	306.5	307.6
65°	263.0	261.9	260.2	260.2	261.9	262.5	265.2	266.9	268.6	271.9	274.7
67.5°	229.0	226.2	226.2	225.1	227.3	229.0	230.7	232.9	234.0	237.9	239.6
70°	193.4	192.2	191.7	192.8	192.8	194.5	197.3	200.0	202.3	202.8	206.2
72.5°	158.8	158.8	158.8	160.5	161.6	163.3	163.8	166.1	169.4	170.0	171.6
75°	127.6	128.2	127.6	128.2	128.7	130.4	131.5	133.7	136.0	136.5	137.6
77.5°	98.6	97.5	96.4	98.1	99.2	102.5	102.0	103.1	105.3	104.2	105.3
80°	69.1	70.8	68.5	71.9	71.9	71.3	72.4	74.1	73.6	74.7	73.6
82.5°	46.8	45.1	45.1	46.8	47.4	45.7	46.8	47.4	47.9	46.8	46.2
85°	25.6	25.1	26.2	24.5	25.1	24.0	24.0	22.8	24.0	22.8	21.7
87.5°	9.5	8.9	9.5	7.8	7.2	6.7	6.1	6.1	5.0	5.0	5.0
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: P243148

CATALOG NUMBER: S122DRP-H1005D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1505.6	1505.6	1505.6	1505.6
2.5°	1434.3	1428.2	1425.4	1427.6
5°	1335.7	1337.3	1327.3	1330.6
7.5°	1250.4	1243.2	1245.4	1241.5
10°	1160.1	1156.2	1150.1	1151.2
12.5°	1099.4	1073.2	1071.5	1066.5
15°	1014.1	999.7	996.3	995.2
17.5°	946.2	933.9	938.4	935.0
20°	884.9	885.4	878.2	873.7
22.5°	830.8	829.7	826.9	822.5
25°	785.1	785.1	778.4	776.8
27.5°	743.3	744.5	738.9	738.9
30°	712.1	708.2	707.7	708.8
32.5°	680.9	676.5	677.0	676.5
35°	647.5	648.6	646.9	645.3
37.5°	619.1	619.1	619.1	617.4
40°	591.2	592.3	590.7	591.8
42.5°	563.4	563.9	563.9	561.7
45°	535.5	534.9	533.8	536.0
47.5°	506.5	506.5	506.0	507.1
50°	474.8	475.9	474.2	473.6
52.5°	442.4	443.0	442.4	443.5
55°	409.6	409.6	410.1	411.2
57.5°	375.6	379.5	376.7	378.9
60°	342.1	342.7	343.2	342.1
62.5°	310.4	309.8	310.4	312.0
65°	275.8	276.9	276.4	275.3
67.5°	241.8	240.7	242.4	240.7
70°	205.6	207.8	206.2	208.4
72.5°	172.7	172.2	173.3	170.5
75°	138.2	138.2	138.7	138.2
77.5°	105.9	104.8	104.2	102.5
80°	73.0	73.0	70.8	72.4
82.5°	44.6	45.1	45.7	42.3
85°	21.2	21.2	20.6	20.1
87.5°	4.5	4.5	5.0	5.6
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243148
 CATALOG NUMBER: S122DRP-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	20.31	21.83	20.67	22.14	22.46	23.15	24.67	23.51	24.98	25.30
	3H	21.66	23.03	22.04	23.35	23.72	24.17	25.53	24.54	25.86	26.22
	4H	22.15	23.43	22.55	23.78	24.15	24.49	25.77	24.89	26.12	26.50
	6H	22.50	23.68	22.91	24.05	24.44	24.69	25.87	25.10	26.24	26.63
	8H	22.60	23.73	23.03	24.12	24.52	24.73	25.86	25.16	26.25	26.65
	12H	22.67	23.75	23.10	24.13	24.56	24.75	25.83	25.18	26.21	26.64
4H	2H	21.19	22.47	21.59	22.82	23.20	23.39	24.67	23.79	25.02	25.40
	3H	22.69	23.75	23.10	24.15	24.55	24.76	25.82	25.17	26.22	26.62
	4H	23.26	24.21	23.69	24.63	25.07	25.27	26.23	25.70	26.65	27.08
	6H	23.69	24.53	24.15	24.97	25.43	25.60	26.44	26.06	26.88	27.34
	8H	23.83	24.61	24.29	25.05	25.52	25.68	26.46	26.14	26.90	27.37
	12H	23.93	24.62	24.41	25.10	25.57	25.72	26.41	26.20	26.89	27.36
8H	4H	23.69	24.47	24.16	24.91	25.38	25.41	26.19	25.87	26.63	27.10
	6H	24.22	24.86	24.71	25.35	25.83	25.85	26.49	26.35	26.98	27.46
	8H	24.40	24.98	24.92	25.49	25.98	25.99	26.56	26.50	27.07	27.56
	12H	24.56	25.07	25.07	25.56	26.12	26.07	26.58	26.58	27.08	27.64
12H	4H	23.75	24.44	24.23	24.92	25.39	25.40	26.10	25.89	26.58	27.05
	6H	24.29	24.87	24.81	25.38	25.87	25.85	26.43	26.37	26.94	27.43
	8H	24.53	25.04	25.04	25.53	26.10	26.03	26.54	26.54	27.03	27.60