

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: P243163

Luminaire Tested: S122DRP-H1005D840-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243163
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-H1005D840-X4F0-XX-UDD-A-W
Description: DEFINE 2 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

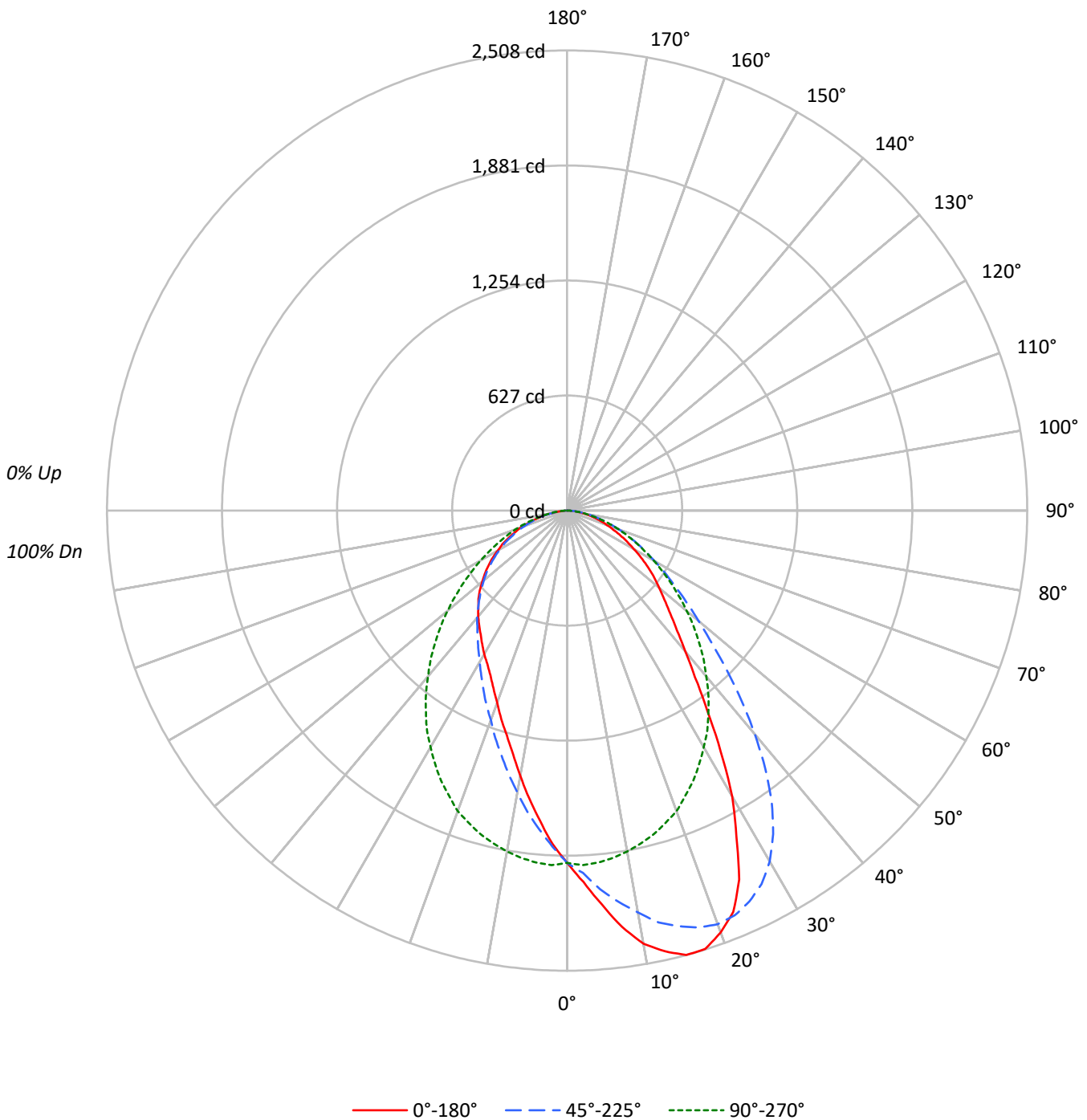
Lumens per Lamp: N/A
Luminaire Lumens: 4259.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.24
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P243163

CATALOG NUMBER: S122DRP-H1005D840-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot



TEST NUMBER: P243163

CATALOG NUMBER: S122DRP-H1005D840-X4F0-XX-UDD-A-W

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	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°	36558	36558	36558	36558	36558
5°	41182	39606	36820	33344	32434
10°	46356	43018	36492	30184	28386
15°	49447	46239	36000	27245	25018
20°	49589	48624	35349	24636	22577
25°	46638	49400	34173	22692	20811
30°	39590	48557	32747	20936	19874
35°	30954	45225	31217	19772	19128
40°	24870	39548	29338	18970	18758
45°	21394	33141	27401	18177	18406
50°	19407	27639	25218	17575	17892
55°	17880	23754	22977	16890	17408
60°	16072	20945	20701	16103	16613
65°	14472	18727	18601	15081	15815
70°	12898	16613	16535	13806	14797
75°	11606	14483	14218	12231	12967
80°	10125	12000	11452	9971	10125
85°	8698	9944	8545	6666	5595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 65°
 Vertical Angle: 45°
 Luminance: 45829 cd/sqm



TEST NUMBER: P243163

CATALOG NUMBER: S122DRP-H1005D840-X4F0-XX-UDD-A-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.9	4.3
10°-20°	525.6	12.3
20°-30°	764.3	17.9
30°-40°	819.9	19.3
40°-50°	734.8	17.3
50°-60°	585.8	13.8
60°-70°	396.3	9.3
70°-80°	202.1	4.7
80°-90°	47.4	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°	1472.8	34.6
0°-40°	2292.6	53.8
0°-60°	3613.3	84.8
0°-90°	4259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4259.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1919	1919	1919	1919	1919	
5°	2154	2071	1926	1744	1696	213
15°	2508	2345	1826	1382	1269	702
25°	2219	2350	1626	1080	990	998
35°	1331	1945	1342	850	823	843
45°	794	1230	1017	675	683	621
55°	538	715	692	509	524	481
65°	321	416	413	335	351	319
75°	158	197	193	166	176	168
85°	40	46	39	30	26	46
90°	0	0	0	0	0	



TEST NUMBER: P243163

CATALOG NUMBER: S122DRP-H1005D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3
2.5°	2025.9	2032.3	2026.6	2024.5	2020.2	2018.8	2007.4	1998.2	1992.5	1976.9	1978.3
5°	2153.8	2168.0	2160.1	2159.4	2143.8	2133.9	2123.9	2109.7	2088.4	2071.4	2057.9
7.5°	2288.7	2281.6	2279.5	2271.7	2260.3	2246.1	2224.1	2203.5	2176.5	2151.6	2133.2
10°	2396.7	2394.6	2398.1	2378.2	2371.1	2349.1	2329.9	2298.0	2263.1	2224.1	2199.9
12.5°	2460.6	2467.0	2472.0	2464.2	2447.1	2440.7	2408.8	2364.0	2351.9	2298.7	2269.5
15°	2507.5	2510.3	2511.1	2502.5	2494.0	2477.7	2458.5	2430.1	2391.0	2344.8	2322.8
17.5°	2504.7	2504.0	2508.2	2503.2	2498.3	2493.3	2478.4	2456.4	2425.8	2382.5	2345.5
20°	2446.4	2459.2	2469.1	2471.3	2470.6	2473.4	2466.3	2452.1	2430.1	2398.8	2356.9
22.5°	2366.9	2361.9	2383.2	2381.8	2391.0	2412.3	2421.6	2415.9	2407.3	2387.5	2354.1
25°	2219.1	2224.1	2239.0	2254.6	2290.9	2303.6	2331.3	2352.7	2355.5	2350.5	2329.9
27.5°	1997.5	2033.0	2040.8	2061.4	2111.8	2153.8	2209.9	2243.3	2290.9	2295.1	2285.9
30°	1800.0	1798.6	1810.7	1847.6	1893.8	1957.0	2029.4	2115.4	2170.1	2207.7	2221.2
32.5°	1557.1	1562.8	1594.0	1639.5	1686.4	1749.6	1833.4	1938.5	2011.7	2089.8	2133.9
35°	1331.2	1348.9	1378.8	1410.0	1461.2	1547.8	1640.9	1728.3	1840.5	1944.9	2016.0
37.5°	1145.1	1169.2	1192.0	1221.8	1271.5	1338.3	1422.1	1537.9	1649.4	1775.1	1879.6
40°	1000.2	1009.4	1025.0	1054.1	1087.5	1154.3	1238.8	1325.5	1446.3	1590.5	1727.6
42.5°	886.5	884.4	901.4	919.9	950.4	1000.2	1074.0	1160.7	1280.7	1408.6	1547.1
45°	794.2	794.9	802.0	821.2	845.3	873.7	930.5	1012.2	1103.2	1230.3	1377.4
47.5°	718.9	721.0	731.7	745.1	759.4	785.6	823.3	876.6	961.8	1068.4	1206.2
50°	654.9	658.5	665.6	675.5	686.2	704.7	733.1	775.0	842.5	932.7	1057.7
52.5°	598.1	599.5	601.7	610.9	619.4	636.5	657.8	690.5	743.7	819.0	916.3
55°	538.4	537.0	542.0	549.8	557.6	569.7	591.7	618.0	655.6	715.3	795.6
57.5°	477.3	479.5	483.0	487.3	501.5	514.3	530.6	554.8	584.6	631.5	698.3
60°	421.9	421.9	426.2	431.9	441.1	449.6	465.3	487.3	513.6	549.8	605.9
62.5°	368.0	370.8	375.1	377.9	386.4	397.1	409.2	426.2	450.4	479.5	521.4
65°	321.1	319.7	323.9	329.6	336.0	343.1	356.6	370.8	389.3	415.5	450.4
67.5°	272.8	277.0	278.5	281.3	286.3	295.5	301.9	316.8	331.7	355.2	384.3
70°	231.6	234.4	236.5	240.1	244.4	248.6	255.0	267.1	282.0	298.3	318.9
72.5°	194.6	196.8	194.6	198.2	200.3	204.6	213.1	218.8	230.2	244.4	262.8
75°	157.7	159.1	158.4	162.0	162.7	166.9	171.2	176.2	189.0	196.8	209.6
77.5°	123.6	125.0	125.7	127.2	128.6	130.7	132.8	137.8	144.9	152.0	162.0
80°	92.3	92.3	94.5	95.2	95.9	97.3	100.9	102.3	107.3	109.4	117.2
82.5°	63.9	64.6	65.4	65.4	66.1	67.5	68.2	71.0	72.5	76.0	79.6
85°	39.8	40.5	40.5	40.5	42.6	41.9	41.9	43.3	45.5	45.5	46.9
87.5°	19.9	20.6	20.6	20.6	21.3	21.3	21.3	21.3	21.3	22.7	22.0
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: P243163

CATALOG NUMBER: S122DRP-H1005D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3
2.5°	1977.6	1976.9	1974.0	1961.3	1951.3	1938.5	1936.4	1934.3	1916.5	1897.3	1891.6
5°	2047.2	2034.4	2016.7	1995.4	1974.0	1950.6	1937.1	1925.7	1898.7	1868.9	1851.9
7.5°	2115.4	2090.5	2062.8	2029.4	1993.9	1956.3	1932.1	1909.4	1872.5	1833.4	1810.0
10°	2173.6	2140.3	2101.9	2057.9	2008.8	1957.7	1922.2	1886.7	1839.8	1792.2	1760.9
12.5°	2221.9	2179.3	2128.9	2069.2	2024.5	1954.2	1904.4	1857.5	1805.7	1743.9	1709.8
15°	2258.9	2217.0	2148.8	2088.4	2029.4	1935.7	1875.3	1825.6	1756.0	1695.6	1641.6
17.5°	2303.6	2244.0	2176.5	2089.8	2024.5	1917.2	1849.0	1784.4	1709.1	1638.0	1578.4
20°	2323.5	2261.0	2188.6	2092.0	2008.8	1897.3	1806.4	1743.9	1653.0	1571.3	1503.8
22.5°	2326.4	2266.7	2187.9	2085.6	1981.9	1868.2	1763.8	1682.1	1591.2	1504.5	1428.5
25°	2314.3	2257.5	2175.8	2074.2	1952.0	1836.9	1720.4	1626.0	1520.8	1431.3	1353.9
27.5°	2281.6	2235.4	2158.0	2049.3	1921.5	1788.6	1661.5	1558.5	1454.8	1353.2	1279.3
30°	2229.1	2198.5	2131.7	2016.7	1882.4	1736.1	1608.9	1488.9	1376.6	1281.5	1201.9
32.5°	2161.6	2146.7	2091.2	1977.6	1842.6	1678.5	1545.7	1422.1	1299.9	1209.7	1128.0
35°	2075.6	2083.4	2036.6	1933.6	1792.2	1620.3	1471.8	1342.5	1223.2	1127.3	1052.0
37.5°	1964.1	2002.5	1972.6	1876.0	1727.6	1561.3	1394.4	1264.4	1139.4	1047.0	981.0
40°	1839.1	1906.6	1892.4	1811.4	1657.9	1492.4	1319.8	1179.9	1057.7	970.3	907.1
42.5°	1692.0	1790.1	1805.7	1732.5	1589.0	1406.5	1236.0	1101.0	983.1	897.2	836.8
45°	1527.2	1648.7	1701.3	1643.7	1508.8	1323.4	1150.0	1017.2	900.7	827.5	777.1
47.5°	1361.7	1508.1	1579.1	1551.4	1415.0	1234.6	1064.8	934.8	824.7	760.8	713.2
50°	1198.3	1355.3	1459.0	1440.6	1322.7	1150.0	978.9	851.0	750.1	691.2	650.7
52.5°	1054.9	1203.3	1316.3	1325.5	1219.7	1053.4	887.9	769.3	683.3	630.1	596.0
55°	913.5	1051.3	1174.9	1197.6	1111.7	951.9	804.1	691.9	613.7	569.7	542.0
57.5°	787.1	912.1	1035.0	1074.7	1005.1	860.9	713.9	615.2	547.7	513.6	489.4
60°	679.8	792.7	898.6	939.1	891.5	760.1	631.5	543.4	487.3	456.7	437.6
62.5°	586.0	673.4	767.2	811.9	780.0	665.6	553.4	475.2	429.8	403.5	388.6
65°	501.5	569.0	642.9	694.7	659.2	574.0	480.2	412.7	374.4	350.2	339.5
67.5°	423.4	479.5	538.4	579.6	561.9	484.5	405.6	353.0	321.1	302.6	292.7
70°	352.3	394.2	441.8	473.8	461.0	401.3	338.8	296.9	269.9	257.1	248.6
72.5°	289.1	316.1	352.3	378.6	365.1	323.2	278.5	245.1	225.2	210.3	203.9
75°	229.4	252.9	278.5	296.2	285.6	254.3	218.8	193.2	179.7	170.5	166.2
77.5°	174.0	192.5	210.3	218.8	213.8	191.1	166.9	147.0	135.7	130.0	125.0
80°	125.0	135.7	147.8	155.6	152.7	137.1	120.0	104.4	99.4	92.3	90.9
82.5°	83.8	92.3	95.2	98.7	96.6	89.5	77.4	68.2	63.9	60.4	59.7
85°	49.7	51.9	55.4	55.4	53.3	48.3	41.9	39.1	34.8	34.1	32.0
87.5°	22.0	22.0	22.0	22.0	22.0	20.6	17.8	16.3	14.9	14.2	13.5
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: P243163

CATALOG NUMBER: S122DRP-H1005D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3
2.5°	1886.7	1879.6	1869.6	1858.3	1848.3	1832.7	1827.7	1827.7	1831.3	1827.0	1823.4
5°	1837.7	1823.4	1809.2	1787.2	1768.8	1743.9	1736.8	1729.7	1729.0	1721.9	1712.6
7.5°	1785.1	1763.8	1734.7	1703.4	1683.5	1656.5	1641.6	1637.3	1623.8	1611.1	1596.1
10°	1724.0	1691.3	1656.5	1626.7	1595.4	1560.6	1542.9	1530.8	1517.3	1501.7	1491.0
12.5°	1650.1	1613.2	1581.2	1546.4	1520.1	1471.1	1465.4	1449.8	1422.8	1399.4	1390.8
15°	1604.7	1540.0	1503.8	1471.8	1432.0	1381.6	1363.1	1346.1	1320.5	1305.6	1293.5
17.5°	1524.4	1466.1	1420.7	1378.1	1339.7	1300.6	1272.9	1258.7	1238.1	1225.3	1213.3
20°	1451.2	1388.0	1340.4	1290.7	1250.9	1215.4	1192.0	1174.2	1163.5	1150.8	1138.7
22.5°	1377.4	1311.3	1265.8	1215.4	1168.5	1147.2	1119.5	1104.6	1090.4	1080.4	1067.6
25°	1291.4	1238.8	1182.0	1142.9	1101.7	1079.7	1053.4	1039.2	1027.9	1016.5	1010.1
27.5°	1214.7	1161.4	1108.8	1069.8	1035.0	1013.7	997.3	983.8	969.6	961.1	956.1
30°	1135.1	1086.1	1039.9	1002.3	975.3	951.9	941.9	929.1	918.5	914.9	907.1
32.5°	1064.1	1009.4	972.5	938.4	915.6	899.3	892.2	878.7	876.6	873.0	868.7
35°	993.1	946.2	910.7	881.5	862.4	850.3	841.0	837.5	833.9	830.4	826.8
37.5°	922.7	885.8	852.4	829.0	813.3	804.1	802.0	794.9	794.2	789.2	789.2
40°	859.5	821.9	798.4	780.0	767.2	762.9	757.2	755.8	753.7	752.3	755.1
42.5°	796.3	770.7	750.8	731.7	721.7	718.2	716.7	714.6	713.2	717.4	718.9
45°	737.3	715.3	698.3	684.8	679.1	674.8	674.8	677.0	676.2	678.4	678.4
47.5°	682.6	662.7	648.5	643.6	636.5	635.0	635.8	635.0	638.6	641.4	644.3
50°	630.8	613.0	601.7	596.7	595.3	593.1	596.0	597.4	599.5	602.4	603.8
52.5°	573.2	564.7	557.6	552.6	551.9	552.6	551.9	556.9	559.0	563.3	562.6
55°	524.2	517.8	512.9	507.2	506.5	508.6	510.0	514.3	517.1	520.7	520.0
57.5°	478.1	473.1	467.4	466.0	465.3	466.0	472.4	471.7	475.9	478.8	480.2
60°	427.6	424.1	419.1	419.1	421.2	422.7	424.8	428.3	432.6	431.9	436.9
62.5°	381.5	377.2	375.8	377.9	377.2	380.7	382.9	382.9	388.6	390.7	392.1
65°	335.3	333.9	331.7	331.7	333.9	334.6	338.1	340.3	342.4	346.6	350.2
67.5°	292.0	288.4	288.4	287.0	289.8	292.0	294.1	296.9	298.3	303.3	305.4
70°	246.5	245.1	244.4	245.8	245.8	247.9	251.5	255.0	257.9	258.6	262.8
72.5°	202.4	202.4	202.4	204.6	206.0	208.1	208.8	211.7	215.9	216.7	218.8
75°	162.7	163.4	162.7	163.4	164.1	166.2	167.6	170.5	173.3	174.0	175.5
77.5°	125.7	124.3	122.9	125.0	126.4	130.7	130.0	131.4	134.3	132.8	134.3
80°	88.1	90.2	87.4	91.6	91.6	90.9	92.3	94.5	93.8	95.2	93.8
82.5°	59.7	57.5	57.5	59.7	60.4	58.2	59.7	60.4	61.1	59.7	59.0
85°	32.7	32.0	33.4	31.3	32.0	30.5	30.5	29.1	30.5	29.1	27.7
87.5°	12.1	11.4	12.1	9.9	9.2	8.5	7.8	7.8	6.4	6.4	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: P243163

CATALOG NUMBER: S122DRP-H1005D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1919.3	1919.3	1919.3	1919.3
2.5°	1828.4	1820.6	1817.1	1819.9
5°	1702.7	1704.8	1692.0	1696.3
7.5°	1594.0	1584.8	1587.6	1582.6
10°	1478.9	1474.0	1466.1	1467.6
12.5°	1401.5	1368.1	1366.0	1359.6
15°	1292.8	1274.4	1270.1	1268.7
17.5°	1206.2	1190.5	1196.2	1192.0
20°	1128.0	1128.7	1119.5	1113.8
22.5°	1059.1	1057.7	1054.1	1048.5
25°	1000.9	1000.9	992.3	990.2
27.5°	947.6	949.0	941.9	941.9
30°	907.8	902.8	902.1	903.6
32.5°	868.0	862.4	863.1	862.4
35°	825.4	826.8	824.7	822.6
37.5°	789.2	789.2	789.2	787.1
40°	753.7	755.1	753.0	754.4
42.5°	718.2	718.9	718.9	716.0
45°	682.6	681.9	680.5	683.3
47.5°	645.7	645.7	645.0	646.4
50°	605.2	606.6	604.5	603.8
52.5°	564.0	564.7	564.0	565.4
55°	522.1	522.1	522.8	524.2
57.5°	478.8	483.7	480.2	483.0
60°	436.1	436.9	437.6	436.1
62.5°	395.7	395.0	395.7	397.8
65°	351.6	353.0	352.3	350.9
67.5°	308.3	306.9	309.0	306.9
70°	262.1	265.0	262.8	265.7
72.5°	220.2	219.5	220.9	217.4
75°	176.2	176.2	176.9	176.2
77.5°	135.0	133.5	132.8	130.7
80°	93.1	93.1	90.2	92.3
82.5°	56.8	57.5	58.2	54.0
85°	27.0	27.0	26.3	25.6
87.5°	5.7	5.7	6.4	7.1
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243163
 CATALOG NUMBER: S122DRP-H1005D840-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	21.15	22.67	21.52	22.99	23.30	23.99	25.51	24.35	25.83	26.14
	3H	22.50	23.87	22.88	24.20	24.56	25.01	26.38	25.39	26.70	27.07
	4H	22.99	24.27	23.39	24.62	25.00	25.34	26.62	25.74	26.97	27.35
	6H	23.34	24.52	23.75	24.89	25.28	25.53	26.72	25.94	27.08	27.47
	8H	23.45	24.57	23.87	24.96	25.36	25.57	26.70	26.00	27.09	27.49
	12H	23.51	24.59	23.95	24.98	25.41	25.59	26.67	26.02	27.05	27.48
4H	2H	22.03	23.32	22.43	23.66	24.04	24.23	25.51	24.63	25.86	26.24
	3H	23.53	24.60	23.94	25.00	25.40	25.60	26.66	26.01	27.06	27.47
	4H	24.10	25.06	24.53	25.47	25.91	26.12	27.07	26.55	27.49	27.93
	6H	24.54	25.37	24.99	25.81	26.27	26.45	27.28	26.90	27.72	28.18
	8H	24.67	25.45	25.13	25.89	26.36	26.52	27.30	26.98	27.74	28.21
	12H	24.77	25.46	25.25	25.94	26.41	26.56	27.26	27.04	27.73	28.21
8H	4H	24.54	25.31	25.00	25.76	26.23	26.25	27.03	26.71	27.47	27.94
	6H	25.06	25.70	25.56	26.19	26.67	26.69	27.34	27.19	27.83	28.31
	8H	25.25	25.82	25.76	26.33	26.82	26.83	27.40	27.34	27.91	28.40
	12H	25.40	25.91	25.91	26.40	26.97	26.92	27.43	27.43	27.92	28.48
12H	4H	24.59	25.29	25.07	25.76	26.24	26.25	26.94	26.73	27.42	27.89
	6H	25.14	25.71	25.65	26.22	26.71	26.70	27.27	27.21	27.78	28.27
	8H	25.37	25.88	25.88	26.37	26.94	26.88	27.38	27.39	27.88	28.44