

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: P243502

Luminaire Tested: S124DRP-H1195D835-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-60)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S124DRP-H1195D835-X4F0-XX-UDD-A-W
Description: DEFINE 4 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

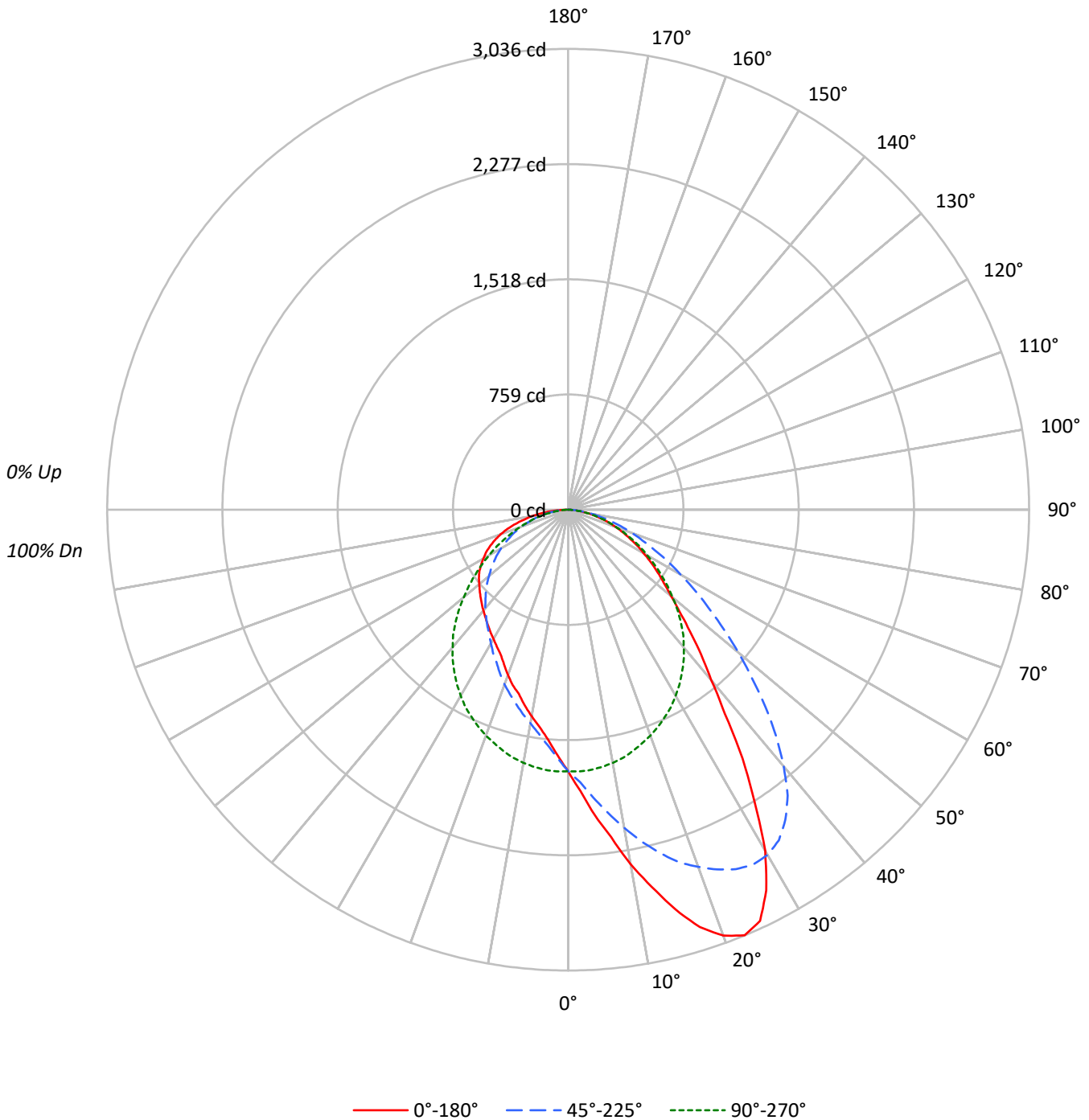
Lumens per Lamp: N/A
Luminaire Lumens: 4940.8 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.22 / 1.45
Luminous Opening: Rectangular (W 3.88' x L: 0.31' x H: 0')
CIE Type: Direct

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	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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61					61			
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53					53			
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46					46			
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41					41			
7	67	53	45	39	65	53	45	39	51	44	38	50	43	38	48	42	38	36					36			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	44	39	34	32					32			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29					29			
10	54	41	34	29	53	41	34	28	40	33	28	39	33	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	15316	15316	15316	15316	15316
5°	18023	16994	15356	13881	13555
10°	21419	19216	15286	12899	12480
15°	25086	21552	15151	12193	11559
20°	28249	23684	14975	11583	10964
25°	29317	25626	14775	10926	10320
30°	26623	26955	14525	10439	10092
35°	21720	27062	14179	10090	10028
40°	17007	25617	13735	9850	10071
45°	14234	23101	13182	9628	10255
50°	12216	20201	12410	9415	10562
55°	11161	17504	11575	9253	11074
60°	10228	15191	10715	9102	11477
65°	9379	13165	9808	8802	11924
70°	8628	11534	8847	8517	12283
75°	7683	9929	7779	7947	12271
80°	6409	8062	6373	7346	12239
85°	4875	6028	4804	6599	11474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 50°
 Vertical Angle: 45°
 Luminance: 24145 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.7	3.4
10°-20°	519.5	10.5
20°-30°	834.5	16.9
30°-40°	954.0	19.3
40°-50°	878.1	17.8
50°-60°	718.3	14.5
60°-70°	511.9	10.4
70°-80°	281.3	5.7
80°-90°	75.6	1.5
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°	1521.7	30.8
0°-40°	2475.7	50.1
0°-60°	4072.0	82.4
0°-90°	4940.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4940.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1723	1723	1723	1723	1723	
5°	2020	1905	1721	1556	1519	203
15°	2726	2342	1646	1325	1256	777
25°	2989	2613	1506	1114	1052	1342
35°	2002	2494	1307	930	924	1244
45°	1132	1838	1049	766	816	884
55°	720	1130	747	597	715	646
65°	446	626	466	418	567	445
75°	224	289	226	231	357	239
85°	48	59	47	65	112	57
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°	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1
2.5°	1855.3	1849.7	1846.9	1843.4	1842.7	1839.2	1832.1	1822.3	1809.6	1796.3	1796.3
5°	2019.9	2018.5	2007.9	2008.7	1995.3	1980.5	1969.3	1955.2	1927.8	1904.6	1888.4
7.5°	2177.4	2192.2	2188.7	2177.4	2157.8	2136.7	2114.1	2094.5	2043.8	2015.7	1992.5
10°	2373.0	2378.6	2368.7	2352.6	2335.0	2294.2	2264.7	2231.6	2176.7	2128.9	2086.7
12.5°	2544.6	2557.9	2540.4	2524.9	2483.4	2453.1	2423.6	2357.5	2299.8	2239.3	2178.1
15°	2726.0	2712.0	2721.1	2683.1	2653.6	2624.8	2549.5	2482.0	2416.6	2342.0	2278.0
17.5°	2883.6	2883.6	2866.7	2842.1	2811.1	2757.0	2681.7	2607.2	2534.7	2437.0	2346.2
20°	2986.3	2994.0	2974.3	2948.3	2911.0	2854.7	2795.0	2714.1	2617.7	2503.8	2401.1
22.5°	3035.5	3036.9	3029.9	3008.1	2977.8	2930.0	2868.8	2790.0	2688.0	2565.7	2458.1
25°	2989.1	2996.8	2994.7	2993.3	2977.8	2950.4	2901.2	2828.0	2735.2	2612.8	2496.7
27.5°	2825.9	2844.9	2861.1	2868.1	2885.0	2886.4	2871.6	2827.3	2751.3	2636.0	2506.6
30°	2593.8	2584.0	2627.6	2649.4	2707.0	2741.5	2766.1	2763.3	2719.7	2626.2	2503.1
32.5°	2284.3	2311.1	2342.0	2393.4	2461.6	2541.8	2602.2	2647.3	2643.0	2581.8	2479.2
35°	2001.6	2001.6	2041.0	2104.3	2176.7	2273.1	2374.4	2458.1	2509.4	2493.9	2421.5
37.5°	1695.0	1714.0	1759.0	1808.2	1896.8	1989.7	2123.3	2234.4	2342.0	2374.4	2337.1
40°	1465.7	1474.1	1522.0	1563.5	1654.2	1750.5	1862.4	2004.4	2128.2	2207.7	2212.6
42.5°	1295.5	1294.8	1314.5	1351.8	1424.9	1510.7	1631.7	1770.9	1915.8	2028.3	2081.1
45°	1132.3	1130.9	1151.3	1189.3	1241.3	1317.3	1422.1	1561.3	1709.7	1837.7	1920.7
47.5°	994.5	1007.1	1016.3	1045.8	1088.7	1153.4	1243.5	1354.6	1497.3	1640.8	1752.6
50°	883.4	889.0	908.7	922.7	970.6	1015.6	1088.0	1187.9	1310.3	1460.8	1581.7
52.5°	794.7	798.3	810.2	828.5	855.9	895.3	953.0	1045.1	1155.5	1286.4	1411.5
55°	720.2	718.1	725.8	737.8	761.7	794.7	836.9	907.3	1003.6	1129.5	1244.9
57.5°	647.0	647.0	654.1	662.5	675.9	703.3	744.8	800.4	877.7	989.6	1091.5
60°	575.3	580.2	583.0	591.5	602.7	623.1	654.1	697.7	763.1	854.5	955.8
62.5°	512.0	512.0	516.9	519.7	534.5	549.3	571.8	609.1	660.4	742.0	820.8
65°	445.9	450.1	450.1	455.7	468.4	479.7	497.2	525.4	567.6	625.9	699.8
67.5°	389.6	389.6	393.1	396.0	403.0	410.7	426.2	448.0	483.9	530.3	597.1
70°	332.0	334.1	332.7	336.2	340.4	348.1	359.4	377.7	403.7	443.8	493.0
72.5°	279.9	277.1	278.5	282.0	284.1	289.1	296.1	310.2	331.3	363.6	399.5
75°	223.7	222.2	227.2	225.8	229.3	233.5	239.8	250.4	266.6	289.1	316.5
77.5°	174.4	172.3	174.4	175.8	177.2	180.8	185.7	192.0	203.3	218.0	242.6
80°	125.2	124.5	125.9	127.3	128.0	133.6	135.0	141.4	146.3	157.5	169.5
82.5°	83.0	84.4	85.1	86.5	85.8	88.6	90.0	94.2	98.5	104.1	113.2
85°	47.8	45.7	47.8	47.8	47.8	51.3	50.6	53.5	56.3	59.1	65.4
87.5°	16.9	16.9	17.6	18.3	18.3	20.4	19.7	21.1	23.9	23.9	26.0
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°	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1
2.5°	1792.0	1784.3	1778.7	1762.5	1752.6	1743.5	1735.1	1725.9	1716.1	1703.4	1695.7
5°	1871.5	1854.6	1830.0	1807.5	1782.2	1759.7	1741.4	1721.0	1698.5	1675.3	1654.9
7.5°	1959.4	1927.8	1889.8	1848.3	1808.9	1775.9	1741.4	1709.0	1677.4	1646.4	1617.6
10°	2047.3	1992.5	1942.5	1885.6	1833.5	1783.6	1738.6	1693.6	1654.2	1613.4	1576.8
12.5°	2128.9	2062.8	1989.7	1918.6	1849.0	1784.3	1728.7	1673.9	1623.2	1574.7	1531.8
15°	2191.5	2108.5	2022.0	1937.6	1857.4	1789.9	1717.5	1646.4	1593.7	1534.6	1487.5
17.5°	2263.2	2164.8	2079.0	1977.7	1877.8	1768.8	1692.2	1614.8	1551.5	1494.5	1447.4
20°	2311.1	2202.8	2079.0	1964.3	1861.7	1763.9	1671.8	1583.1	1516.3	1450.2	1393.3
22.5°	2349.1	2237.2	2100.8	1981.2	1852.5	1734.4	1634.5	1547.3	1468.5	1405.9	1351.8
25°	2368.7	2232.3	2102.2	1957.3	1828.6	1715.4	1602.8	1506.5	1427.0	1357.4	1311.0
27.5°	2369.4	2229.5	2075.5	1932.0	1794.1	1671.8	1560.6	1465.7	1376.4	1309.6	1254.0
30°	2365.9	2211.2	2048.7	1891.9	1754.8	1629.6	1513.5	1415.1	1333.5	1262.4	1209.7
32.5°	2343.4	2185.9	2008.7	1844.1	1695.0	1569.1	1462.2	1364.4	1277.2	1212.5	1156.9
35°	2292.8	2130.3	1952.4	1782.9	1641.5	1510.7	1405.2	1306.7	1228.7	1158.4	1101.4
37.5°	2228.1	2076.2	1895.4	1718.2	1565.6	1441.8	1342.6	1249.8	1168.2	1103.5	1046.5
40°	2146.5	2003.7	1825.8	1641.5	1488.9	1363.7	1270.2	1183.7	1114.0	1047.9	992.4
42.5°	2034.7	1925.0	1742.1	1562.8	1403.1	1284.9	1194.2	1122.5	1050.7	991.0	935.4
45°	1915.1	1815.2	1652.8	1474.8	1321.5	1199.8	1114.7	1048.6	987.4	927.0	881.9
47.5°	1782.9	1701.3	1550.8	1377.1	1225.9	1118.3	1034.6	975.5	919.2	872.8	827.8
50°	1625.3	1582.4	1441.8	1284.2	1137.3	1026.8	957.9	897.4	855.9	810.9	768.7
52.5°	1479.1	1444.6	1330.0	1175.2	1041.6	944.5	870.7	822.9	782.1	749.0	715.3
55°	1320.1	1302.5	1205.5	1071.8	950.9	853.8	790.5	746.9	714.6	683.6	659.0
57.5°	1173.8	1172.4	1086.6	972.0	853.8	771.5	711.0	675.2	647.0	625.2	604.1
60°	1024.0	1036.0	965.6	860.9	767.3	689.9	635.1	602.7	583.7	563.4	545.8
62.5°	888.3	906.6	842.6	760.3	668.1	604.8	562.6	538.0	516.9	502.2	488.8
65°	758.2	781.4	729.3	655.5	585.2	525.4	489.5	466.3	450.1	441.7	432.5
67.5°	643.5	656.2	621.0	563.4	505.0	452.9	423.4	403.0	388.9	385.4	374.9
70°	528.9	543.7	519.0	466.3	421.3	383.3	356.6	340.4	332.0	327.0	320.0
72.5°	436.8	443.1	418.5	381.9	346.0	314.4	294.7	282.7	272.9	270.8	267.3
75°	341.8	351.0	331.3	303.1	273.6	251.1	236.3	226.5	221.5	218.0	218.0
77.5°	258.1	265.9	254.6	230.0	212.4	192.7	182.9	173.7	171.6	168.1	169.5
80°	183.6	187.1	180.8	163.9	148.4	137.8	129.4	124.5	123.8	121.0	123.8
82.5°	121.7	122.4	115.3	107.6	95.7	90.0	84.4	82.3	81.6	81.6	80.2
85°	67.5	68.9	64.0	59.1	54.9	49.9	48.5	47.1	45.7	47.8	49.2
87.5°	26.0	26.7	26.0	23.9	22.5	21.1	20.4	21.8	19.7	21.1	21.8
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°	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1	1723.1
2.5°	1683.7	1678.1	1669.7	1655.6	1645.7	1635.2	1631.0	1632.4	1628.2	1622.5	1623.9
5°	1639.4	1623.2	1609.2	1589.5	1571.2	1555.7	1550.8	1544.5	1538.8	1535.3	1531.8
7.5°	1592.3	1569.8	1548.7	1529.0	1507.9	1488.2	1480.5	1474.8	1472.0	1462.2	1458.0
10°	1547.3	1521.3	1495.9	1472.7	1450.9	1429.1	1421.4	1414.4	1404.5	1400.3	1395.4
12.5°	1499.5	1473.4	1446.0	1417.9	1396.1	1378.5	1365.1	1360.2	1350.4	1346.1	1343.3
15°	1453.0	1421.4	1399.6	1377.8	1344.7	1325.0	1319.4	1301.8	1296.2	1287.8	1282.1
17.5°	1406.6	1377.1	1344.7	1319.4	1299.0	1274.4	1261.0	1253.3	1242.7	1235.0	1224.5
20°	1360.9	1326.4	1301.1	1269.5	1247.0	1224.5	1207.6	1200.5	1191.4	1180.9	1166.1
22.5°	1316.6	1278.6	1254.0	1224.5	1196.3	1170.3	1156.2	1146.4	1128.1	1126.0	1112.6
25°	1264.6	1230.8	1198.4	1167.5	1140.1	1114.0	1104.9	1089.4	1083.1	1070.4	1068.3
27.5°	1215.3	1179.4	1144.3	1110.5	1086.6	1068.3	1052.2	1042.3	1036.0	1026.1	1026.8
30°	1164.0	1124.6	1091.5	1060.6	1034.6	1017.0	1006.4	1001.5	992.4	991.0	986.0
32.5°	1109.1	1073.2	1038.8	1011.4	984.6	969.2	964.2	959.3	953.7	954.4	953.0
35°	1054.3	1022.6	986.0	960.7	938.9	929.8	922.0	920.6	918.5	919.9	919.9
37.5°	1000.8	966.3	936.1	912.9	900.2	887.6	884.1	883.4	884.1	885.5	889.0
40°	948.8	917.1	887.6	868.6	854.5	848.9	844.0	846.1	848.9	853.8	858.0
42.5°	896.7	866.5	841.9	822.9	809.5	806.7	807.4	811.6	812.3	819.4	827.1
45°	841.9	815.8	792.6	777.9	769.4	765.9	767.3	771.5	776.5	786.3	796.1
47.5°	791.2	768.0	747.6	732.8	726.5	725.1	727.9	733.6	744.8	754.7	765.9
50°	739.9	718.8	699.8	686.4	685.7	680.8	687.1	694.2	707.5	720.9	737.8
52.5°	689.2	668.8	652.7	642.1	639.3	639.3	647.0	659.7	671.7	689.2	704.7
55°	636.5	618.2	602.7	599.2	595.0	597.1	605.5	618.2	635.1	654.8	671.7
57.5°	582.3	566.9	555.6	550.7	548.6	555.6	565.5	578.8	600.6	620.3	638.6
60°	531.0	517.6	505.7	504.3	502.9	512.0	524.0	538.0	559.8	579.5	602.0
62.5°	476.1	465.6	457.9	455.7	455.7	464.9	478.3	496.5	516.9	538.0	561.9
65°	420.6	411.4	409.3	406.5	412.8	418.5	431.8	449.4	471.2	494.4	519.7
67.5°	369.2	363.6	359.4	359.4	364.3	374.9	386.8	404.4	426.9	451.5	474.0
70°	317.9	312.3	308.8	312.3	315.1	327.7	340.4	357.3	378.4	402.3	426.2
72.5°	264.4	265.1	265.9	265.1	268.0	279.9	292.6	308.8	329.1	352.4	374.2
75°	217.3	213.8	214.5	215.9	225.1	231.4	244.0	259.5	281.3	302.4	320.7
77.5°	168.8	167.4	170.9	170.9	179.3	187.1	197.6	213.1	232.1	251.1	265.9
80°	123.8	124.5	127.3	128.0	135.0	143.5	154.7	165.3	182.2	195.5	209.6
82.5°	83.7	85.1	88.6	93.5	96.4	101.3	111.1	122.4	134.3	148.4	156.8
85°	48.5	50.6	53.5	57.0	59.8	64.7	71.7	80.9	89.3	97.1	104.1
87.5°	23.9	23.9	26.0	27.4	29.5	32.4	37.3	40.8	46.4	52.0	54.9
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: P243502

CATALOG NUMBER: S124DRP-H1195D835-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1723.1	1723.1	1723.1	1723.1
2.5°	1621.1	1620.4	1617.6	1619.0
5°	1529.7	1522.7	1522.0	1519.1
7.5°	1450.9	1448.8	1448.8	1443.2
10°	1390.4	1384.1	1385.5	1382.7
12.5°	1332.8	1329.3	1325.0	1320.8
15°	1268.1	1268.1	1268.1	1256.1
17.5°	1217.4	1216.7	1213.2	1212.5
20°	1164.7	1161.9	1152.7	1159.1
22.5°	1111.2	1109.1	1101.4	1102.8
25°	1061.3	1059.2	1057.8	1052.2
27.5°	1018.4	1019.1	1020.5	1017.0
30°	986.0	983.9	986.7	983.2
32.5°	955.8	955.8	953.0	953.7
35°	921.3	924.1	924.9	924.1
37.5°	891.1	894.6	897.4	894.6
40°	863.0	865.8	868.6	867.9
42.5°	833.4	838.3	840.5	842.6
45°	805.3	811.6	815.1	815.8
47.5°	776.5	784.2	791.2	790.5
50°	748.3	758.2	764.5	763.8
52.5°	720.2	730.0	737.8	741.3
55°	688.5	701.2	708.2	714.6
57.5°	656.9	671.0	678.0	680.8
60°	621.7	634.4	643.5	645.6
62.5°	582.3	595.7	607.7	610.5
65°	541.5	556.3	565.5	566.9
67.5°	494.4	508.5	517.6	521.9
70°	445.9	456.4	466.3	472.6
72.5°	391.7	404.4	413.5	417.8
75°	335.5	349.5	354.5	357.3
77.5°	277.1	285.5	293.3	294.0
80°	218.7	229.3	232.1	239.1
82.5°	161.1	170.9	168.8	171.6
85°	106.2	109.7	111.8	112.5
87.5°	56.3	58.4	59.8	60.5
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P243502
 CATALOG NUMBER: S124DRP-H1195D835-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	20.05	21.62	20.41	21.94	22.25	20.34	21.91	20.70	22.22	22.54
	3H	21.49	22.91	21.87	23.23	23.59	21.72	23.14	22.10	23.47	23.83
	4H	22.01	23.34	22.41	23.69	24.07	22.21	23.54	22.61	23.89	24.26
	6H	22.36	23.59	22.77	23.95	24.34	22.52	23.75	22.93	24.12	24.51
	8H	22.45	23.63	22.88	24.02	24.42	22.61	23.78	23.03	24.17	24.57
	12H	22.50	23.63	22.93	24.01	24.44	22.65	23.78	23.08	24.16	24.59
4H	2H	21.19	22.52	21.58	22.86	23.24	21.13	22.46	21.53	22.81	23.18
	3H	22.69	23.80	23.10	24.20	24.60	22.83	23.94	23.24	24.34	24.74
	4H	23.26	24.26	23.69	24.68	25.12	23.43	24.43	23.86	24.84	25.28
	6H	23.68	24.55	24.13	24.99	25.45	23.83	24.70	24.28	25.14	25.60
	8H	23.79	24.61	24.25	25.05	25.52	23.93	24.75	24.40	25.19	25.66
	12H	23.87	24.60	24.35	25.07	25.54	24.00	24.73	24.48	25.21	25.68
8H	4H	23.69	24.51	24.15	24.95	25.42	23.77	24.58	24.23	25.03	25.49
	6H	24.19	24.86	24.68	25.35	25.83	24.30	24.98	24.79	25.46	25.94
	8H	24.35	24.96	24.86	25.46	25.95	24.46	25.07	24.97	25.58	26.06
	12H	24.47	25.00	24.97	25.49	26.06	24.58	25.11	25.08	25.61	26.17
12H	4H	23.73	24.46	24.21	24.94	25.41	23.80	24.53	24.28	25.01	25.48
	6H	24.25	24.86	24.76	25.37	25.86	24.36	24.97	24.87	25.48	25.96
	8H	24.47	25.00	24.97	25.49	26.06	24.58	25.12	25.09	25.61	26.17