

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: P242647

Luminaire Tested: S124DRP-S1195D840-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P242647  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124DRP-S1195D840-X4F0-XX-UDD-A-W  
Description: DEFINE 4 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER  
STANDARD LIGHT ENGINE  
Light Source: (92) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

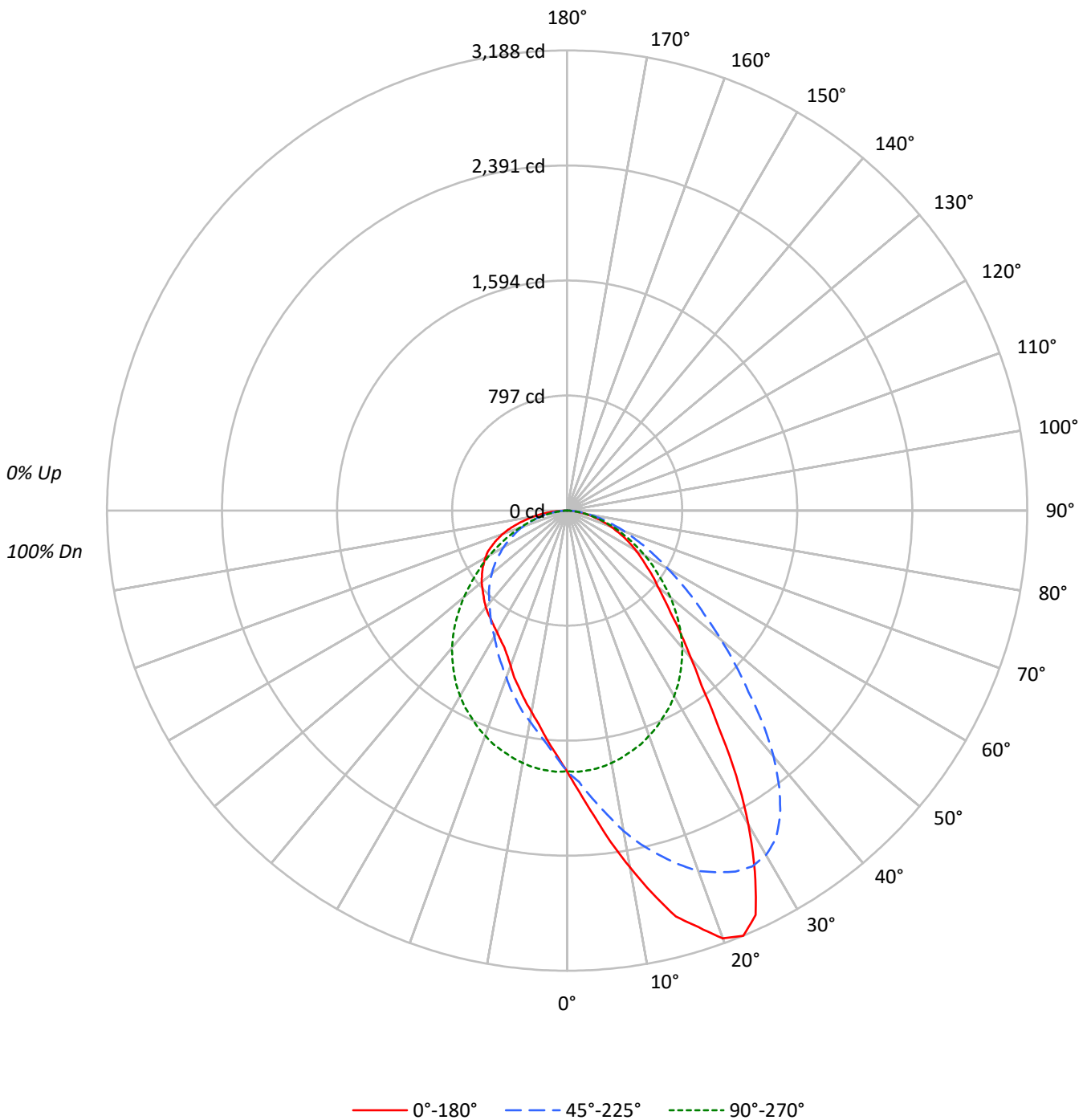
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4984.9 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.22 / 1.41  
Luminous Opening: Rectangular (W 3.88' x L: 0.31' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 41.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P242647

CATALOG NUMBER: S124DRP-S1195D840-X4F0-XX-UDD-A-W

### 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	95	92	90	91	89	87	85					85			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72					72			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	62					62			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53					53			
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	49	46					46			
6	72	59	51	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41					41			
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36					36			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27					27			

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

	0°	45°	90°	135°	180°
0°	16058	16058	16058	16058	16058
5°	18910	17862	16100	14470	14210
10°	22642	20352	16028	13387	12794
15°	26789	22733	15867	12506	11749
20°	29831	25131	15701	11638	10817
25°	30313	27062	15457	10958	10173
30°	25794	28282	15224	10346	9970
35°	19831	27927	14845	10013	9972
40°	15457	25808	14398	9734	10160
45°	12888	22333	13725	9614	10329
50°	11342	19259	12905	9438	10680
55°	10391	16573	11922	9266	11110
60°	9739	14341	11042	9033	11628
65°	9067	12529	10058	8735	12056
70°	8285	11066	9083	8499	12332
75°	7401	9534	7992	7940	12182
80°	6204	7740	6552	7238	11799
85°	4579	5875	4732	6721	11300

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 55°  
 Vertical Angle: 45°  
 Luminance: 24656 cd/sqm



TEST NUMBER: P242647

CATALOG NUMBER: S124DRP-S1195D840-X4F0-XX-UDD-A-W

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.8	3.5
10°-20°	542.7	10.9
20°-30°	862.1	17.3
30°-40°	957.9	19.2
40°-50°	871.2	17.5
50°-60°	711.9	14.3
60°-70°	508.2	10.2
70°-80°	279.6	5.6
80°-90°	75.5	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°	1580.6	31.7
0°-40°	2538.5	50.9
0°-60°	4121.6	82.7
0°-90°	4984.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4984.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1806	1806	1806	1806	1806	
5°	2119	2002	1804	1622	1592	214
15°	2911	2470	1724	1359	1277	823
25°	3091	2759	1576	1117	1037	1371
35°	1828	2574	1368	923	919	1157
45°	1025	1777	1092	765	822	806
55°	670	1069	769	598	717	605
65°	431	596	478	415	573	427
75°	216	278	233	231	355	229
85°	45	58	46	66	111	55
90°	0	0	0	0	0	



TEST NUMBER: P242647

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5
2.5°	1951.7	1951.0	1943.5	1942.0	1936.7	1930.0	1928.5	1916.5	1892.6	1881.4	1878.4
5°	2119.3	2134.3	2114.8	2111.1	2108.9	2084.2	2071.4	2056.5	2022.1	2001.8	1986.1
7.5°	2315.4	2316.2	2307.9	2299.7	2285.5	2264.5	2236.1	2203.2	2163.5	2123.1	2094.6
10°	2508.5	2514.5	2504.7	2503.2	2465.1	2441.1	2393.2	2352.8	2306.4	2254.8	2207.6
12.5°	2712.0	2700.1	2696.3	2656.7	2657.4	2608.8	2551.1	2509.2	2431.4	2370.0	2303.4
15°	2911.1	2894.6	2884.2	2840.0	2818.3	2757.7	2698.6	2652.9	2559.4	2470.3	2403.0
17.5°	3026.3	3046.5	3019.6	3001.6	2942.5	2902.9	2843.7	2750.2	2680.6	2569.8	2492.8
20°	3153.6	3155.1	3141.6	3122.9	3078.7	3024.8	2959.0	2854.2	2766.7	2656.7	2539.9
22.5°	3188.0	3188.0	3184.2	3167.0	3136.4	3095.2	3028.6	2945.5	2834.8	2712.8	2596.0
25°	3090.7	3087.7	3094.4	3113.9	3101.2	3087.7	3049.5	2984.4	2885.7	2759.2	2633.5
27.5°	2815.3	2834.8	2875.2	2923.1	2957.5	2988.2	2985.9	2958.2	2887.9	2778.6	2644.7
30°	2513.0	2538.4	2566.9	2614.7	2707.5	2760.7	2819.0	2863.2	2838.5	2755.4	2632.7
32.5°	2180.7	2182.2	2227.8	2284.0	2367.0	2481.5	2582.6	2683.6	2727.0	2693.3	2596.0
35°	1827.5	1838.0	1883.6	1937.5	2041.5	2166.5	2305.7	2429.9	2532.4	2573.6	2521.2
37.5°	1531.1	1564.1	1598.5	1659.8	1754.9	1867.9	2017.6	2172.5	2322.9	2414.2	2423.9
40°	1332.1	1350.8	1374.0	1418.1	1496.0	1606.7	1730.9	1915.0	2077.4	2224.1	2272.0
42.5°	1174.9	1183.9	1195.9	1234.8	1289.4	1399.4	1510.2	1666.6	1829.7	2012.3	2100.6
45°	1025.2	1036.5	1060.4	1083.6	1128.5	1204.8	1310.4	1443.6	1607.5	1776.6	1924.8
47.5°	913.0	920.5	935.4	960.9	1001.3	1052.9	1142.7	1255.7	1415.9	1579.8	1738.4
50°	820.2	826.2	837.4	859.9	889.0	933.9	1004.3	1108.3	1227.3	1392.7	1547.6
52.5°	746.9	748.4	755.8	769.3	791.0	826.9	881.6	963.1	1071.6	1214.6	1368.7
55°	670.5	673.5	681.0	692.2	712.4	736.4	780.5	844.9	941.4	1069.4	1203.4
57.5°	607.7	610.7	616.6	621.1	639.1	659.3	695.2	741.6	817.2	931.0	1052.9
60°	547.8	546.3	553.8	557.5	568.7	585.2	611.4	655.6	719.2	806.7	916.7
62.5°	489.4	487.2	493.2	498.4	503.6	517.1	537.3	569.5	618.1	695.2	786.5
65°	431.1	428.1	431.8	437.8	443.8	451.3	467.0	497.7	538.8	595.7	668.3
67.5°	371.2	374.9	374.9	378.7	382.4	392.9	404.1	428.1	457.2	503.6	568.0
70°	318.8	319.5	322.5	322.5	324.8	333.8	342.7	355.5	383.9	425.8	476.0
72.5°	266.4	270.2	267.9	270.9	272.4	277.6	283.6	295.6	318.8	347.2	387.6
75°	215.5	217.8	217.8	218.5	220.8	223.0	228.2	237.2	254.4	277.6	306.8
77.5°	166.1	166.1	167.6	170.6	170.6	174.4	178.9	185.6	195.3	212.5	231.2
80°	121.2	122.7	122.0	123.5	123.5	126.5	128.0	136.9	140.7	151.2	165.4
82.5°	80.8	82.3	82.3	84.6	86.1	86.1	88.3	90.6	94.3	103.3	107.0
85°	44.9	46.4	44.9	46.4	48.6	49.4	51.6	52.4	55.4	57.6	62.9
87.5°	16.5	18.7	18.7	19.5	21.0	21.7	22.5	21.7	24.7	25.4	28.4
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: P242647

CATALOG NUMBER: S124DRP-S1195D840-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5
2.5°	1879.1	1868.6	1861.2	1855.2	1838.7	1829.0	1821.5	1811.0	1799.0	1786.3	1770.6
5°	1970.4	1945.0	1926.3	1897.8	1870.9	1848.4	1825.2	1804.3	1778.8	1751.1	1730.9
7.5°	2064.0	2028.8	1981.6	1945.0	1900.8	1862.7	1829.0	1793.8	1756.4	1720.5	1686.8
10°	2152.3	2103.6	2049.7	1986.1	1926.3	1873.1	1823.7	1775.8	1729.4	1683.0	1643.4
12.5°	2247.3	2183.7	2097.6	2020.6	1951.7	1876.1	1814.0	1752.6	1694.3	1644.9	1597.0
15°	2330.4	2242.8	2150.8	2051.2	1962.9	1879.9	1798.3	1724.2	1661.3	1597.0	1552.1
17.5°	2382.8	2274.2	2175.5	2071.4	1969.7	1865.6	1781.1	1698.0	1620.2	1557.3	1501.2
20°	2434.4	2326.6	2195.7	2091.6	1964.4	1856.7	1754.9	1659.8	1577.5	1509.4	1451.1
22.5°	2479.3	2350.6	2219.6	2074.4	1948.0	1832.0	1718.2	1622.4	1537.9	1465.3	1409.9
25°	2489.8	2346.8	2204.6	2068.4	1924.8	1789.3	1688.3	1576.0	1486.2	1410.6	1350.8
27.5°	2493.5	2342.3	2184.4	2036.3	1888.1	1764.6	1632.9	1534.9	1442.1	1362.0	1305.1
30°	2485.3	2325.9	2153.0	1989.1	1840.2	1703.3	1592.5	1483.2	1388.2	1308.9	1249.0
32.5°	2459.1	2291.5	2112.6	1936.7	1781.1	1647.9	1532.6	1430.1	1338.1	1260.2	1196.6
35°	2403.7	2239.8	2050.5	1870.1	1712.2	1576.8	1473.5	1368.0	1275.2	1201.1	1140.5
37.5°	2329.6	2177.0	1984.6	1796.8	1644.9	1507.2	1403.2	1305.9	1222.1	1145.7	1082.9
40°	2226.4	2096.1	1903.1	1721.2	1553.6	1424.1	1328.3	1240.8	1157.7	1086.6	1027.5
42.5°	2107.4	1998.1	1823.7	1628.4	1468.3	1338.1	1245.3	1168.9	1091.8	1027.5	968.4
45°	1961.4	1886.6	1719.0	1540.9	1372.5	1249.8	1160.7	1091.8	1026.0	961.6	912.2
47.5°	1799.0	1757.1	1611.2	1440.6	1278.9	1156.2	1079.1	1013.3	953.4	897.3	853.1
50°	1635.2	1617.2	1495.2	1332.1	1179.4	1065.7	987.8	933.2	883.8	835.9	794.8
52.5°	1473.5	1477.3	1370.2	1224.3	1085.9	977.3	900.3	850.1	809.0	772.3	736.4
55°	1308.1	1329.1	1243.0	1109.8	983.3	884.6	815.0	769.3	739.4	707.2	679.5
57.5°	1156.2	1191.4	1116.5	994.6	887.5	793.3	731.9	696.7	663.8	642.8	621.1
60°	1008.0	1041.0	985.6	886.8	787.3	709.4	651.8	621.1	593.4	580.0	565.8
62.5°	876.3	904.8	867.3	777.5	694.5	620.4	574.0	544.8	528.3	513.4	505.1
65°	752.1	776.8	741.6	675.0	600.9	541.1	501.4	478.2	460.2	454.3	443.8
67.5°	629.4	651.8	633.1	574.7	511.9	464.7	433.3	408.6	398.1	392.1	385.4
70°	522.4	544.8	524.6	475.2	429.6	391.4	362.2	349.5	338.3	336.0	325.5
72.5°	431.8	445.3	425.1	389.1	351.7	321.0	300.1	286.6	282.1	277.6	273.1
75°	337.5	351.0	337.5	307.6	279.9	257.4	238.0	232.7	226.0	223.8	220.0
77.5°	252.9	265.7	255.2	235.0	213.3	194.6	183.3	175.9	175.1	170.6	172.1
80°	182.6	190.1	180.4	167.6	151.2	139.2	131.7	128.0	123.5	122.0	125.0
82.5°	118.2	120.5	116.7	109.3	98.0	91.3	86.8	82.3	82.3	83.1	82.3
85°	68.1	67.4	66.6	59.1	55.4	50.1	47.1	46.4	45.6	47.1	48.6
87.5°	28.4	29.2	28.4	25.4	23.2	21.0	20.2	19.5	20.2	21.0	21.7
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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CATALOG NUMBER: S124DRP-S1195D840-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5	1806.5
2.5°	1763.1	1756.4	1746.7	1733.2	1722.0	1710.0	1707.0	1702.5	1711.5	1704.0	1701.8
5°	1713.7	1698.0	1677.8	1654.6	1641.1	1621.7	1617.9	1610.5	1603.0	1602.2	1594.7
7.5°	1662.1	1640.4	1614.9	1591.0	1570.0	1549.1	1535.6	1534.1	1522.2	1516.2	1508.7
10°	1612.7	1584.3	1553.6	1531.1	1505.7	1483.2	1467.5	1458.5	1451.1	1442.8	1435.3
12.5°	1554.3	1523.6	1499.7	1475.0	1443.6	1427.9	1399.4	1382.2	1382.2	1384.5	1362.0
15°	1511.7	1481.7	1442.8	1408.4	1391.9	1359.0	1344.8	1326.8	1315.6	1304.4	1295.4
17.5°	1459.3	1422.6	1392.7	1353.8	1323.1	1298.4	1278.9	1269.2	1251.2	1234.8	1223.6
20°	1410.6	1371.0	1338.8	1296.9	1262.5	1230.3	1214.6	1199.6	1186.9	1173.4	1160.7
22.5°	1361.3	1319.3	1278.2	1237.8	1206.3	1171.9	1157.0	1135.3	1123.3	1117.3	1104.6
25°	1308.9	1264.0	1219.1	1180.2	1147.2	1117.3	1097.1	1081.4	1067.9	1061.9	1053.7
27.5°	1252.0	1207.8	1165.2	1120.3	1082.1	1060.4	1044.0	1031.2	1023.0	1014.0	1010.3
30°	1198.1	1151.7	1105.3	1064.2	1029.7	1008.0	993.1	984.8	978.8	975.1	971.4
32.5°	1143.5	1097.8	1048.4	1011.8	981.8	963.1	952.7	944.4	942.2	941.4	940.7
35°	1084.4	1038.0	993.1	959.4	930.2	922.7	913.0	908.5	907.0	912.2	914.5
37.5°	1027.5	984.1	942.2	908.5	889.0	877.1	873.3	872.6	877.8	882.3	887.5
40°	972.9	931.0	892.0	863.6	845.6	838.9	837.4	841.1	847.1	852.4	858.4
42.5°	919.7	878.6	844.1	818.0	806.7	800.7	802.2	806.0	815.0	821.7	831.4
45°	864.3	829.9	795.5	773.8	763.3	764.8	764.8	771.6	779.8	789.5	799.2
47.5°	812.7	777.5	748.4	729.6	724.4	722.2	725.9	734.9	746.1	757.3	770.8
50°	760.3	727.4	702.7	686.2	680.3	682.5	688.5	696.7	710.9	725.9	740.1
52.5°	707.2	678.0	655.6	640.6	636.8	641.3	647.3	661.5	673.5	690.0	707.9
55°	651.8	626.4	608.4	597.2	595.7	597.9	604.7	618.9	636.8	657.1	673.5
57.5°	597.2	575.5	558.3	550.0	550.8	552.3	562.8	580.0	597.9	619.6	640.6
60°	541.8	522.4	508.9	502.9	503.6	508.1	521.6	537.3	561.3	582.2	604.7
62.5°	489.4	473.0	460.2	455.0	453.5	464.7	477.4	493.9	517.9	541.8	566.5
65°	432.5	419.1	408.6	405.6	407.9	415.3	431.8	453.5	473.7	498.4	523.8
67.5°	377.2	365.9	358.5	360.0	362.2	372.7	386.9	405.6	428.1	453.5	479.7
70°	324.8	314.3	308.3	309.1	313.6	327.0	339.0	357.7	382.4	408.6	429.6
72.5°	270.9	264.9	259.7	263.4	267.9	276.1	291.9	310.6	331.5	355.5	377.9
75°	216.3	216.3	213.3	215.5	222.3	231.2	242.5	261.9	283.6	303.1	321.0
77.5°	169.9	167.6	169.1	171.4	175.9	187.1	199.8	214.0	231.2	251.4	266.4
80°	122.7	123.5	127.2	131.7	133.2	141.4	154.9	167.6	180.4	196.8	211.0
82.5°	84.6	85.3	86.8	92.8	94.3	103.3	110.8	123.5	134.7	144.4	155.7
85°	50.1	50.1	53.9	56.1	59.9	65.9	71.1	78.6	89.1	96.5	107.8
87.5°	23.9	23.9	26.9	28.4	30.7	34.4	35.9	44.2	47.1	50.9	57.6
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: P242647

CATALOG NUMBER: S124DRP-S1195D840-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1806.5	1806.5	1806.5	1806.5
2.5°	1700.3	1698.8	1693.5	1692.8
5°	1590.3	1586.5	1584.3	1592.5
7.5°	1507.2	1504.2	1497.5	1495.2
10°	1427.9	1424.9	1418.9	1417.4
12.5°	1351.5	1344.8	1344.8	1347.0
15°	1285.7	1282.7	1274.4	1276.7
17.5°	1218.3	1215.3	1204.1	1215.3
20°	1155.5	1149.5	1144.2	1143.5
22.5°	1095.6	1090.4	1091.1	1085.1
25°	1047.7	1042.5	1041.0	1037.2
27.5°	1008.8	1005.8	1002.8	1004.3
30°	973.6	972.9	971.4	971.4
32.5°	944.4	944.4	945.9	945.9
35°	917.5	919.7	921.2	919.0
37.5°	893.5	895.0	897.3	899.5
40°	865.1	870.3	871.8	875.6
42.5°	838.2	844.1	848.6	848.6
45°	810.5	816.5	821.7	821.7
47.5°	782.0	790.3	795.5	796.2
50°	752.8	763.3	768.6	772.3
52.5°	724.4	734.9	742.4	743.9
55°	690.7	705.7	713.9	716.9
57.5°	660.8	674.3	683.2	685.5
60°	624.9	639.8	651.8	654.1
62.5°	588.2	603.9	614.4	621.1
65°	544.8	560.5	571.0	573.2
67.5°	499.2	515.6	522.4	526.8
70°	450.5	463.2	470.7	474.5
72.5°	395.1	408.6	417.6	417.6
75°	338.3	350.2	354.7	354.7
77.5°	279.1	285.9	291.9	293.4
80°	222.3	226.0	230.5	230.5
82.5°	163.9	166.9	171.4	170.6
85°	106.3	113.0	112.3	110.8
87.5°	59.9	60.6	62.9	64.4
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242647  
 CATALOG NUMBER: S124DRP-S1195D840-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	19.61	21.17	19.98	21.49	21.80	20.52	22.09	20.89	22.40	22.71
	3H	21.10	22.50	21.47	22.83	23.19	21.89	23.30	22.27	23.62	23.99
	4H	21.63	22.96	22.03	23.30	23.68	22.36	23.68	22.76	24.03	24.41
	6H	21.99	23.22	22.41	23.58	23.97	22.67	23.89	23.08	24.26	24.65
	8H	22.10	23.26	22.52	23.65	24.05	22.75	23.92	23.18	24.31	24.71
	12H	22.15	23.27	22.58	23.65	24.08	22.79	23.91	23.22	24.29	24.72
4H	2H	20.77	22.10	21.17	22.44	22.82	21.21	22.53	21.61	22.88	23.26
	3H	22.30	23.41	22.71	23.80	24.20	22.92	24.02	23.33	24.42	24.82
	4H	22.89	23.89	23.32	24.30	24.74	23.51	24.50	23.94	24.92	25.35
	6H	23.32	24.18	23.77	24.63	25.08	23.90	24.77	24.36	25.21	25.67
	8H	23.44	24.25	23.90	24.70	25.16	24.01	24.82	24.47	25.26	25.73
	12H	23.52	24.24	24.00	24.72	25.19	24.07	24.80	24.55	25.28	25.75
8H	4H	23.35	24.16	23.81	24.60	25.07	23.82	24.63	24.28	25.08	25.54
	6H	23.85	24.52	24.35	25.01	25.49	24.35	25.02	24.84	25.51	25.99
	8H	24.02	24.63	24.53	25.13	25.62	24.51	25.12	25.02	25.62	26.11
	12H	24.15	24.68	24.65	25.17	25.73	24.63	25.16	25.13	25.65	26.21
12H	4H	23.39	24.12	23.88	24.60	25.07	23.85	24.58	24.33	25.06	25.53
	6H	23.93	24.53	24.44	25.04	25.53	24.41	25.01	24.92	25.52	26.00
	8H	24.15	24.68	24.66	25.17	25.73	24.63	25.16	25.13	25.65	26.21