

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: P243335

Luminaire Tested: S123DRP-H1165D840-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-59)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DRP-H1165D840-X4F0-XX-UDD-A-W
Description: DEFINE 3 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

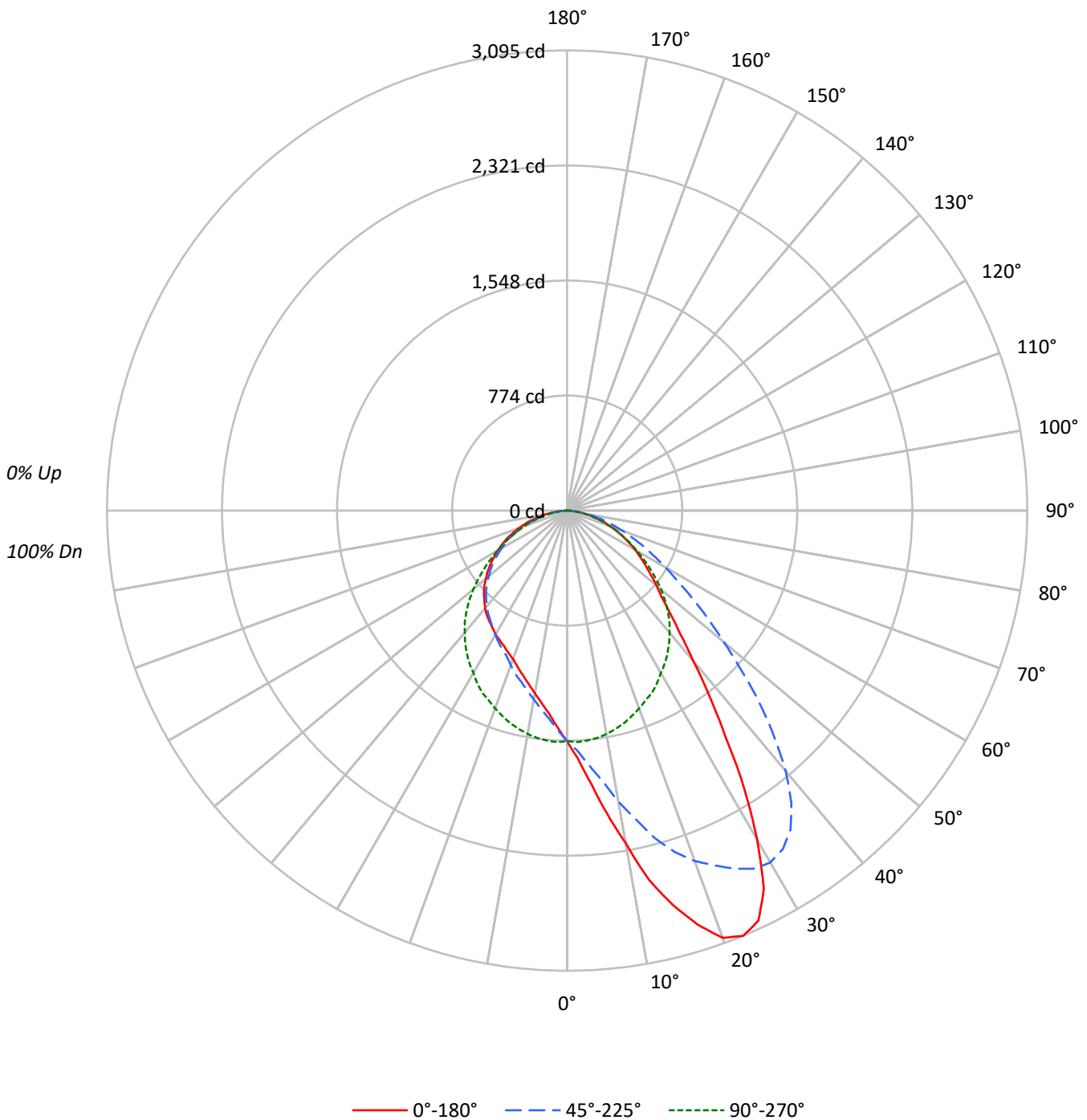
Lumens per Lamp: N/A
Luminaire Lumens: 4674.6 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.39 / 1.21 / 1.5
Luminous Opening: Rectangular (W 3.88' x L: 0.23' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72					72			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	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	50	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	51	44	39	50	43	39	49	43	38	36					36			
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33					33			
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29					29			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	33	28	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18801	18801	18801	18801	18801
5°	22398	20946	18890	17084	16695
10°	27972	24466	18776	15865	15350
15°	34472	28626	18572	14963	14402
20°	39447	32347	18275	14282	13705
25°	40710	35533	18075	13782	13449
30°	35765	38249	17644	13509	13459
35°	27449	38747	17382	13335	13473
40°	20879	36162	16958	13295	13575
45°	16801	31361	16410	13222	13563
50°	14786	25942	15535	12991	13445
55°	13628	21701	14393	12787	13358
60°	12844	18526	13171	12361	13084
65°	11937	16093	12038	11874	12832
70°	10923	14020	10799	10923	12284
75°	9713	11975	9413	9779	11441
80°	8132	9863	7783	8376	10017
85°	5730	7315	5633	6328	7510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 55°
 Vertical Angle: 45°
 Luminance: 35208 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.6	3.3
10°-20°	489.9	10.5
20°-30°	809.2	17.3
30°-40°	926.1	19.8
40°-50°	839.3	18.0
50°-60°	678.1	14.5
60°-70°	472.5	10.1
70°-80°	247.8	5.3
80°-90°	59.1	1.3
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°	1451.7	31.1
0°-40°	2377.9	50.9
0°-60°	3895.3	83.3
0°-90°	4674.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4674.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1551	1551	1551	1551	1551	
5°	1841	1722	1552	1404	1372	189
15°	2747	2281	1480	1192	1148	782
25°	3044	2657	1352	1030	1006	1360
35°	1855	2618	1175	901	910	1175
45°	980	1830	957	771	791	772
55°	645	1027	681	605	632	579
65°	416	561	420	414	447	412
75°	207	256	201	209	244	221
85°	41	53	40	46	54	53
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°	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1
2.5°	1670.4	1673.9	1668.3	1671.8	1663.3	1658.3	1650.5	1646.9	1629.9	1617.8	1613.6
5°	1840.8	1840.8	1842.2	1833.7	1823.8	1806.0	1782.6	1767.7	1750.6	1721.5	1706.6
7.5°	2055.3	2044.7	2037.6	2021.9	2008.4	1979.3	1953.7	1923.2	1883.4	1835.1	1809.6
10°	2272.6	2284.0	2276.9	2260.6	2225.8	2178.2	2140.5	2096.5	2034.7	1987.8	1921.1
12.5°	2543.9	2529.0	2517.6	2492.8	2454.4	2404.0	2345.8	2280.4	2200.9	2123.5	2048.9
15°	2747.0	2749.2	2748.5	2715.8	2678.2	2610.0	2556.0	2447.3	2346.5	2281.2	2157.6
17.5°	2918.9	2928.1	2917.5	2868.5	2835.1	2794.6	2725.7	2605.0	2513.4	2407.6	2271.2
20°	3058.1	3059.5	3042.5	3006.3	2967.9	2922.5	2831.6	2739.2	2649.7	2507.7	2377.7
22.5°	3095.0	3098.6	3095.0	3079.4	3048.2	2999.9	2931.7	2846.5	2733.5	2582.3	2461.5
25°	3043.9	3041.8	3053.8	3044.6	3043.2	3027.6	2982.8	2913.9	2802.4	2656.8	2503.4
27.5°	2864.9	2850.0	2880.6	2920.3	2926.0	2950.9	2951.6	2919.6	2839.4	2715.1	2548.2
30°	2555.3	2569.5	2584.4	2667.5	2713.7	2778.3	2834.4	2855.0	2824.5	2732.8	2576.6
32.5°	2218.7	2264.1	2306.0	2363.5	2431.0	2540.4	2629.1	2707.3	2740.6	2700.2	2576.6
35°	1855.0	1879.2	1945.2	2018.4	2115.7	2200.9	2377.0	2490.7	2592.2	2618.5	2543.9
37.5°	1571.0	1593.0	1615.7	1672.5	1781.9	1923.9	2069.5	2218.7	2369.2	2477.2	2472.9
40°	1319.5	1324.5	1344.4	1393.4	1484.3	1610.7	1763.4	1943.1	2138.4	2285.4	2347.2
42.5°	1126.4	1126.4	1151.2	1208.0	1260.6	1352.9	1500.6	1659.0	1872.8	2061.7	2193.8
45°	980.1	981.5	1001.4	1041.9	1083.0	1155.5	1264.9	1414.0	1634.2	1829.5	2013.4
47.5°	860.8	874.3	885.6	906.9	948.1	1012.0	1091.6	1218.7	1375.7	1588.7	1803.2
50°	784.1	786.9	795.4	808.2	840.2	882.1	951.0	1047.5	1186.7	1375.7	1592.3
52.5°	708.8	708.8	717.3	732.9	751.4	785.5	835.2	915.4	1019.8	1191.0	1385.6
55°	644.9	647.0	648.4	661.2	676.8	702.4	741.4	794.0	889.9	1026.9	1196.7
57.5°	582.4	590.2	588.0	598.0	609.3	627.8	655.5	701.0	774.1	878.5	1031.2
60°	529.8	528.4	531.9	536.2	544.0	556.8	582.4	615.7	676.8	764.2	889.2
62.5°	470.1	468.7	473.0	478.0	485.1	495.7	514.2	539.7	588.0	653.4	762.0
65°	416.2	414.8	416.9	419.7	427.5	436.1	450.3	471.6	503.5	561.1	644.1
67.5°	362.2	362.2	363.6	366.5	371.4	377.8	389.2	402.0	433.9	472.3	537.6
70°	308.2	308.9	308.9	311.8	316.0	321.0	330.2	341.6	361.5	395.6	448.1
72.5°	261.4	261.4	259.9	261.4	264.2	266.3	272.0	282.7	297.6	322.4	362.2
75°	207.4	210.9	210.2	209.5	211.6	215.2	220.2	228.7	237.9	255.7	285.5
77.5°	159.1	161.2	161.2	161.9	164.1	166.9	168.3	176.8	185.4	196.0	218.0
80°	116.5	117.9	116.5	117.2	118.6	121.4	124.3	125.7	132.1	141.3	152.0
82.5°	78.1	76.0	78.8	78.1	79.5	80.3	81.7	82.4	86.6	92.3	99.4
85°	41.2	44.7	44.0	45.5	44.0	44.7	45.5	48.3	49.0	52.6	56.8
87.5°	15.6	17.0	17.0	17.0	17.0	17.0	18.5	19.2	20.6	21.3	22.7
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1
2.5°	1616.4	1610.0	1600.8	1590.8	1580.2	1569.5	1564.6	1558.2	1545.4	1532.6	1522.7
5°	1694.5	1676.8	1652.6	1634.9	1609.3	1585.2	1566.0	1552.5	1531.9	1507.0	1490.7
7.5°	1781.9	1749.9	1711.6	1672.5	1634.2	1597.9	1568.1	1542.5	1510.6	1480.0	1455.2
10°	1884.9	1823.1	1769.8	1713.0	1656.2	1605.0	1562.4	1525.5	1484.3	1447.4	1416.8
12.5°	1975.8	1904.0	1830.2	1749.9	1673.2	1607.2	1552.5	1504.2	1454.5	1411.9	1380.6
15°	2075.9	1975.1	1872.8	1781.9	1688.8	1607.9	1536.2	1480.0	1423.2	1374.9	1338.7
17.5°	2191.0	2056.0	1927.5	1796.8	1714.4	1610.0	1522.0	1448.1	1389.9	1341.6	1294.7
20°	2259.1	2124.9	1967.2	1833.0	1696.7	1589.4	1491.4	1416.8	1348.7	1293.3	1254.9
22.5°	2296.1	2154.7	1990.0	1852.2	1693.1	1573.1	1468.7	1380.6	1307.5	1252.1	1208.8
25°	2347.9	2154.7	2002.0	1836.6	1698.8	1553.9	1436.0	1351.5	1274.8	1210.9	1165.4
27.5°	2371.3	2173.9	2003.5	1806.7	1664.7	1517.7	1398.4	1308.9	1223.7	1161.2	1122.1
30°	2390.5	2177.5	1975.1	1783.3	1624.9	1477.2	1360.7	1260.6	1181.1	1121.4	1080.2
32.5°	2391.9	2168.2	1936.7	1739.3	1571.7	1429.6	1316.0	1221.5	1138.4	1075.2	1034.8
35°	2379.2	2145.5	1892.7	1671.8	1509.9	1380.6	1267.0	1174.7	1090.2	1029.8	988.6
37.5°	2346.5	2119.9	1851.5	1608.6	1436.7	1311.0	1214.4	1126.4	1042.6	982.2	948.1
40°	2276.9	2078.7	1797.5	1541.1	1362.9	1237.2	1152.6	1071.7	997.1	934.6	900.5
42.5°	2184.6	2017.0	1732.2	1469.4	1280.5	1159.0	1084.5	1019.1	943.1	889.2	854.4
45°	2053.9	1933.2	1666.8	1394.1	1198.8	1079.5	1011.3	957.3	892.0	838.0	807.5
47.5°	1906.2	1832.3	1582.3	1309.6	1112.9	1000.7	936.0	892.7	837.3	791.2	760.6
50°	1740.0	1712.3	1489.3	1224.4	1032.6	917.6	857.9	823.8	777.0	740.0	713.7
52.5°	1559.6	1576.6	1391.3	1137.7	955.2	838.7	781.9	750.7	720.8	689.6	664.7
55°	1376.4	1416.8	1272.7	1043.3	866.4	764.9	709.5	681.1	659.1	632.8	615.0
57.5°	1204.5	1267.7	1149.8	942.4	784.8	687.5	634.9	610.1	593.7	579.5	563.2
60°	1037.6	1110.7	1023.4	848.0	703.1	614.3	567.4	543.3	535.5	524.8	509.2
62.5°	889.9	964.4	899.1	750.7	620.7	544.7	502.1	482.2	470.9	467.3	458.1
65°	751.4	821.0	771.3	649.1	542.6	475.1	437.5	419.7	413.3	412.6	405.5
67.5°	631.4	698.8	653.4	550.4	460.2	405.5	377.1	362.9	356.5	357.2	352.3
70°	520.6	568.2	541.2	460.2	390.6	342.3	320.3	304.7	299.7	299.7	298.3
72.5°	417.6	455.2	434.6	372.9	318.2	281.2	262.1	252.8	248.6	247.9	248.6
75°	326.7	359.4	340.9	292.6	251.4	223.7	207.4	201.0	198.9	197.4	198.1
77.5°	244.3	264.9	253.5	222.3	188.2	169.0	161.2	154.8	152.7	153.4	154.8
80°	172.6	183.9	177.5	157.7	134.9	122.2	116.5	111.5	109.4	111.5	111.5
82.5°	109.4	117.9	112.2	99.4	88.1	79.5	73.9	72.4	71.7	70.3	72.4
85°	59.7	63.9	61.1	56.8	49.0	45.5	41.2	40.5	40.5	40.5	40.5
87.5°	23.4	26.3	22.7	22.7	21.3	17.8	17.8	17.0	16.3	17.0	17.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1	1551.1
2.5°	1518.4	1509.2	1503.5	1495.7	1486.4	1474.4	1469.4	1474.4	1471.5	1466.6	1468.7
5°	1476.5	1464.4	1448.8	1436.0	1421.8	1404.1	1398.4	1395.5	1391.3	1389.1	1385.6
7.5°	1435.3	1417.6	1398.4	1380.6	1360.0	1344.4	1337.3	1332.3	1330.9	1320.3	1316.0
10°	1392.7	1370.7	1351.5	1327.4	1309.6	1289.0	1280.5	1274.8	1268.4	1261.3	1256.3
12.5°	1348.0	1325.9	1301.8	1279.1	1261.3	1238.6	1227.2	1220.8	1215.9	1210.9	1205.2
15°	1308.9	1286.9	1253.5	1236.5	1215.1	1192.4	1185.3	1171.1	1172.5	1164.0	1158.3
17.5°	1267.7	1235.0	1211.6	1186.0	1170.4	1154.1	1140.6	1125.7	1123.5	1117.1	1115.0
20°	1221.5	1187.4	1171.1	1144.8	1123.5	1107.2	1095.1	1093.7	1089.4	1080.2	1076.7
22.5°	1176.1	1148.4	1125.7	1101.5	1082.3	1061.0	1055.4	1057.5	1049.7	1047.5	1039.7
25°	1134.9	1110.7	1082.3	1059.6	1044.0	1030.5	1022.7	1019.8	1017.0	1014.9	1011.3
27.5°	1090.9	1065.3	1041.1	1022.7	1007.8	998.5	993.6	987.2	986.5	986.5	985.0
30°	1046.8	1024.1	1007.8	984.3	970.8	965.2	960.9	958.8	960.9	960.9	961.6
32.5°	1006.3	984.3	965.2	948.8	935.3	931.1	930.4	930.4	933.2	933.2	935.3
35°	964.4	942.4	924.7	913.3	901.9	901.2	901.9	903.4	906.9	907.6	910.5
37.5°	919.0	901.9	888.5	874.3	871.4	872.8	874.3	875.7	877.1	882.8	882.8
40°	877.1	864.3	850.8	841.6	836.6	840.2	842.3	843.0	847.3	850.8	853.7
42.5°	835.9	823.8	813.2	805.4	803.2	806.1	808.2	810.3	814.6	817.4	822.4
45°	789.7	781.9	772.7	766.3	767.0	771.3	771.3	778.4	781.2	782.6	786.2
47.5°	747.1	738.6	732.2	729.4	728.7	732.2	734.3	740.0	741.4	746.4	749.3
50°	701.7	695.3	690.3	686.8	687.5	688.9	693.9	699.5	701.0	706.6	711.6
52.5°	654.1	648.4	644.1	645.6	647.7	647.7	652.7	656.2	659.8	664.0	669.0
55°	607.2	599.4	600.1	598.0	600.1	605.1	607.2	612.9	615.7	617.9	625.0
57.5°	556.1	554.7	552.5	550.4	554.7	556.8	560.3	563.9	568.9	571.7	576.7
60°	503.5	501.4	501.4	504.2	505.7	509.9	515.6	517.7	519.2	524.8	531.2
62.5°	455.2	453.1	452.4	456.7	456.7	460.9	463.0	466.6	472.3	474.4	482.9
65°	403.4	402.0	402.0	405.5	406.2	414.0	414.0	414.0	417.6	425.4	429.7
67.5°	349.4	350.1	352.3	354.4	357.2	359.4	360.1	364.3	370.0	375.0	383.5
70°	295.4	299.0	303.3	302.5	304.7	308.2	308.9	313.2	318.2	324.6	334.5
72.5°	247.1	249.3	253.5	253.5	256.4	258.5	262.1	264.9	271.3	277.0	281.2
75°	198.9	199.6	203.1	205.2	207.4	208.8	212.3	217.3	220.9	225.8	232.2
77.5°	156.2	154.8	157.7	158.4	159.8	162.6	165.5	170.4	173.3	179.0	181.1
80°	110.8	113.6	114.3	115.1	116.5	120.0	122.2	124.3	127.1	132.1	134.2
82.5°	73.2	74.6	76.7	77.4	78.8	79.5	80.3	83.8	85.9	87.4	94.5
85°	42.6	44.7	43.3	43.3	44.7	45.5	48.3	48.3	51.1	49.7	53.3
87.5°	18.5	17.8	17.8	18.5	17.8	17.0	19.2	19.2	18.5	19.2	19.2
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: P243335

CATALOG NUMBER: S123DRP-H1165D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1551.1	1551.1	1551.1	1551.1
2.5°	1465.1	1465.1	1459.5	1461.6
5°	1378.5	1381.3	1374.2	1372.1
7.5°	1314.6	1311.7	1306.8	1306.8
10°	1252.1	1249.2	1247.1	1247.1
12.5°	1198.1	1195.3	1191.0	1194.6
15°	1149.8	1150.5	1147.7	1147.7
17.5°	1112.9	1106.5	1104.4	1103.6
20°	1068.8	1070.3	1067.4	1062.5
22.5°	1041.1	1037.6	1034.8	1034.0
25°	1012.7	1009.2	1008.5	1005.6
27.5°	984.3	985.0	982.9	982.9
30°	960.9	963.0	960.9	961.6
32.5°	937.5	937.5	937.5	934.6
35°	911.9	912.6	911.9	910.5
37.5°	885.6	885.6	886.3	887.7
40°	856.5	856.5	857.9	857.9
42.5°	821.7	825.2	827.4	823.8
45°	790.4	791.2	791.9	791.2
47.5°	755.6	753.5	754.2	755.6
50°	712.3	717.3	717.3	713.0
52.5°	670.4	671.8	674.7	674.7
55°	629.2	629.9	630.7	632.1
57.5°	582.4	583.1	583.1	582.4
60°	535.5	539.7	539.0	539.7
62.5°	485.1	491.5	493.6	492.9
65°	437.5	438.9	442.5	447.4
67.5°	387.1	390.6	396.3	394.9
70°	337.3	342.3	343.7	346.6
72.5°	287.6	294.0	295.4	296.9
75°	239.3	242.2	245.0	244.3
77.5°	186.8	191.0	196.0	193.2
80°	139.9	140.6	144.9	143.5
82.5°	92.3	98.0	98.0	95.2
85°	54.0	54.0	54.0	54.0
87.5°	18.5	17.8	19.2	18.5
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243335
 CATALOG NUMBER: S123DRP-H1165D840-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	20.59	22.15	20.96	22.47	22.78	21.12	22.68	21.49	23.00	23.31
	3H	22.11	23.51	22.49	23.84	24.20	22.46	23.86	22.84	24.19	24.55
	4H	22.66	23.98	23.06	24.32	24.70	22.92	24.23	23.32	24.58	24.96
	6H	23.02	24.24	23.43	24.60	24.99	23.22	24.44	23.63	24.80	25.19
	8H	23.12	24.28	23.54	24.67	25.07	23.29	24.45	23.72	24.84	25.24
	12H	23.17	24.28	23.60	24.66	25.09	23.33	24.44	23.76	24.82	25.25
4H	2H	21.76	23.07	22.15	23.42	23.80	21.91	23.23	22.31	23.58	23.96
	3H	23.31	24.41	23.72	24.81	25.21	23.70	24.80	24.11	25.20	25.60
	4H	23.91	24.90	24.34	25.31	25.75	24.27	25.26	24.70	25.67	26.11
	6H	24.34	25.20	24.79	25.64	26.10	24.64	25.50	25.09	25.94	26.40
	8H	24.45	25.26	24.92	25.70	26.17	24.73	25.53	25.19	25.97	26.44
	12H	24.53	25.25	25.01	25.73	26.20	24.78	25.50	25.26	25.98	26.45
8H	4H	24.37	25.18	24.83	25.62	26.09	24.57	25.38	25.03	25.82	26.29
	6H	24.87	25.54	25.37	26.03	26.50	25.08	25.75	25.58	26.24	26.71
	8H	25.03	25.63	25.55	26.14	26.63	25.23	25.83	25.74	26.33	26.82
	12H	25.15	25.68	25.66	26.17	26.73	25.33	25.85	25.84	26.35	26.91
12H	4H	24.42	25.14	24.90	25.62	26.09	24.59	25.31	25.07	25.78	26.25
	6H	24.94	25.54	25.45	26.05	26.54	25.11	25.71	25.63	26.22	26.71
	8H	25.15	25.68	25.66	26.17	26.73	25.32	25.85	25.83	26.34	26.90