

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: P242470

Luminaire Tested: S123DRP-S1165D835-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DRP-S1165D835-X4F0-XX-UDD-A-W
Description: DEFINE 3 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

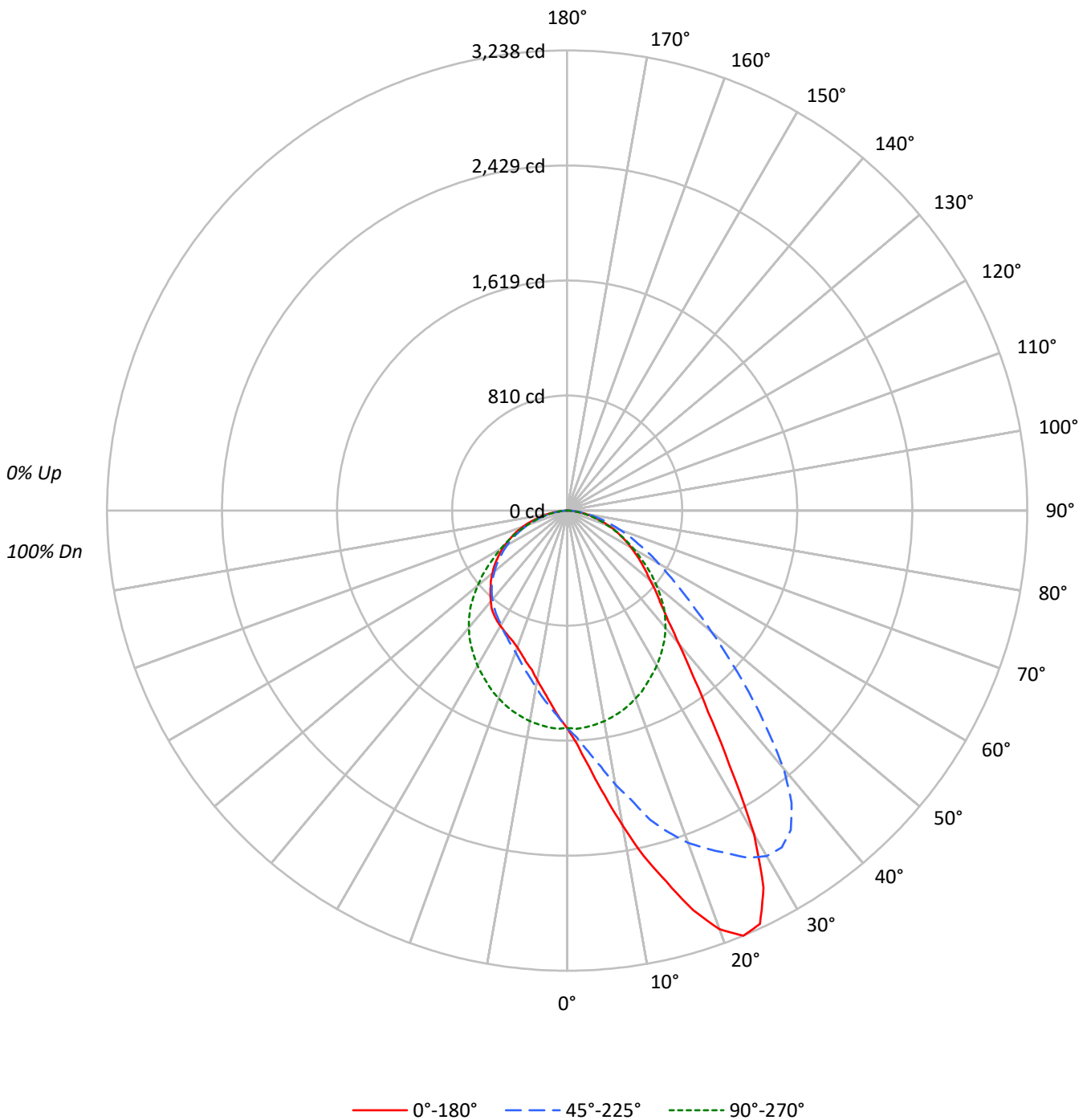
Lumens per Lamp: N/A
Luminaire Lumens: 4616.3 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.5
Luminous Opening: Rectangular (W 3.88' x L: 0.23' x H: 0')
CIE Type: Direct

Input Watts (W): 41.1
Input Voltage (V): 120
Input Current (A_{in}): 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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87				85	
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74				72	
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64				62	
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56				53	
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49				47	
6	72	59	51	44	70	58	50	44	56	49	44	55	48	43	53	48	43				41	
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38				36	
8	62	49	41	35	61	49	41	35	47	40	35	46	39	35	45	39	35				33	
9	58	45	37	32	57	45	37	32	43	36	32	42	36	31	41	36	31				29	
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28				27	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18538	18538	18538	18538	18538
5°	22108	20719	18619	16861	16499
10°	27671	24087	18524	15532	14903
15°	33941	28250	18374	14488	13874
20°	40432	32078	18141	13668	13210
25°	42931	35578	17859	13270	13061
30°	36798	39286	17652	13017	13130
35°	25592	40592	17357	12971	13267
40°	19276	37474	17013	12945	13227
45°	16005	30994	16501	12855	13059
50°	14337	25012	15455	12604	12940
55°	13404	20748	14328	12246	12779
60°	12575	17947	13149	11891	12647
65°	11817	15792	11986	11286	12241
70°	11082	14102	10660	10373	11660
75°	9924	12214	9334	9264	10687
80°	8691	10038	7657	7497	9207
85°	6801	7830	5563	5466	6189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 55°
 Vertical Angle: 45°
 Luminance: 36634 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	3.3
10°-20°	483.1	10.5
20°-30°	812.9	17.6
30°-40°	918.7	19.9
40°-50°	822.9	17.8
50°-60°	664.2	14.4
60°-70°	462.8	10.0
70°-80°	242.9	5.3
80°-90°	58.2	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°	1446.5	31.3
0°-40°	2365.2	51.2
0°-60°	3852.3	83.5
0°-90°	4616.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4616.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1529	1529	1529	1529	1529	
5°	1817	1703	1530	1386	1356	187
15°	2705	2251	1464	1154	1106	781
25°	3210	2660	1335	992	977	1419
35°	1730	2743	1173	877	897	1116
45°	934	1808	963	750	762	736
55°	634	982	678	580	605	569
65°	412	551	418	394	427	410
75°	212	261	199	198	228	226
85°	49	56	40	39	44	59
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°	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4
2.5°	1646.5	1645.0	1641.3	1644.3	1638.4	1630.2	1629.5	1622.1	1600.6	1599.1	1593.2
5°	1817.0	1811.0	1810.3	1809.5	1799.2	1785.1	1758.4	1756.2	1720.6	1702.8	1681.3
7.5°	2023.0	2020.7	2014.8	2008.1	1973.3	1956.3	1931.1	1898.5	1857.0	1817.0	1791.8
10°	2248.2	2272.7	2242.3	2221.5	2202.3	2166.0	2123.7	2071.1	2018.5	1957.0	1910.3
12.5°	2489.8	2498.7	2498.7	2479.4	2446.8	2386.8	2303.8	2244.5	2197.1	2084.5	2044.4
15°	2704.7	2749.9	2721.0	2654.3	2655.8	2603.2	2505.3	2397.9	2340.8	2251.2	2128.9
17.5°	2947.7	2955.9	2947.0	2884.7	2854.4	2778.0	2689.9	2589.8	2482.4	2373.5	2246.7
20°	3134.5	3130.0	3104.1	3075.2	3011.5	2955.1	2856.6	2741.7	2593.5	2486.8	2345.3
22.5°	3238.2	3230.1	3221.2	3198.2	3147.8	3086.3	3000.3	2872.1	2732.8	2575.7	2406.8
25°	3210.0	3219.7	3221.2	3214.5	3196.0	3159.7	3090.0	2990.0	2849.2	2660.2	2489.8
27.5°	2992.2	3016.6	3047.8	3068.5	3101.9	3124.1	3101.9	3038.9	2923.3	2754.3	2544.6
30°	2629.1	2599.5	2672.8	2765.4	2828.4	2939.6	3001.8	3005.5	2947.0	2806.9	2603.9
32.5°	2125.2	2173.4	2195.6	2314.9	2471.3	2599.5	2738.8	2862.5	2891.4	2809.9	2638.7
35°	1729.5	1770.3	1829.6	1888.8	2037.0	2164.5	2382.3	2572.0	2723.2	2743.2	2634.3
37.5°	1437.6	1461.3	1497.6	1560.6	1662.1	1819.9	1992.6	2239.3	2447.6	2594.3	2579.5
40°	1218.2	1224.1	1266.4	1311.6	1390.1	1514.6	1666.5	1878.5	2140.8	2368.3	2463.1
42.5°	1053.7	1068.5	1080.4	1123.4	1181.9	1267.9	1406.4	1572.4	1807.3	2077.8	2286.0
45°	933.7	948.5	959.6	988.5	1033.0	1096.0	1194.5	1354.6	1537.6	1808.1	2057.8
47.5°	850.7	849.2	858.8	881.8	913.7	964.1	1036.7	1143.4	1319.0	1545.0	1806.6
50°	760.3	772.1	775.1	792.1	815.9	850.7	908.5	995.9	1133.7	1326.4	1562.0
52.5°	696.5	698.0	707.7	718.8	738.8	764.0	812.1	875.9	976.6	1133.7	1345.7
55°	634.3	634.3	642.5	652.1	663.9	688.4	721.7	772.1	854.4	981.8	1161.2
57.5°	576.5	579.5	586.9	589.1	599.5	616.5	645.4	685.4	748.4	851.4	999.6
60°	518.7	525.4	524.6	530.6	539.5	552.1	575.8	606.9	661.7	740.3	860.3
62.5°	468.3	466.1	466.1	473.5	482.4	494.3	507.6	533.5	578.0	645.4	743.2
65°	412.0	410.5	415.7	420.2	423.1	432.0	443.9	467.6	498.7	550.6	629.9
67.5°	363.1	358.6	362.4	363.8	369.0	376.4	388.3	403.1	428.3	472.0	535.7
70°	312.7	309.0	308.3	309.7	314.2	319.4	327.5	341.6	364.6	397.9	441.6
72.5°	260.8	258.6	258.6	262.3	263.8	266.8	272.0	284.5	301.6	324.6	364.6
75°	211.9	211.9	211.9	212.7	214.9	217.9	222.3	229.0	243.1	260.8	288.3
77.5°	167.5	168.2	166.7	166.0	169.7	171.2	171.9	179.3	187.5	200.8	222.3
80°	124.5	120.8	122.3	124.5	126.0	126.7	128.9	130.4	137.1	143.8	157.8
82.5°	84.5	81.5	81.5	85.2	85.2	86.0	88.2	90.4	91.9	97.8	103.7
85°	48.9	48.9	49.6	49.6	50.4	49.6	51.9	52.6	52.6	56.3	60.8
87.5°	22.2	20.7	21.5	22.2	21.5	22.2	23.0	23.7	24.5	25.2	25.9
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°	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4
2.5°	1588.7	1582.8	1576.9	1566.5	1557.6	1545.0	1541.3	1536.9	1523.5	1511.7	1502.8
5°	1673.2	1655.4	1629.5	1605.8	1586.5	1560.6	1545.7	1530.2	1508.0	1487.9	1471.6
7.5°	1754.0	1722.8	1686.5	1647.3	1609.5	1573.2	1544.3	1518.3	1489.4	1461.3	1439.8
10°	1854.0	1803.6	1747.3	1686.5	1634.7	1584.3	1542.0	1505.0	1465.0	1430.1	1401.2
12.5°	1968.1	1887.3	1804.4	1727.3	1663.6	1588.7	1535.4	1485.7	1439.0	1395.3	1362.0
15°	2053.3	1958.5	1866.6	1765.1	1671.7	1584.3	1523.5	1464.2	1411.6	1368.6	1327.1
17.5°	2137.8	2034.1	1917.0	1794.7	1685.1	1584.3	1501.3	1437.6	1373.1	1321.2	1281.2
20°	2207.5	2085.2	1948.1	1819.9	1695.4	1579.8	1486.5	1406.4	1335.3	1279.7	1233.0
22.5°	2267.5	2119.3	1976.3	1837.0	1694.7	1568.0	1459.0	1376.1	1297.5	1243.4	1193.0
25°	2305.3	2134.1	1991.8	1831.0	1676.2	1547.2	1428.7	1335.3	1258.2	1194.5	1143.4
27.5°	2340.8	2131.9	1971.1	1797.7	1653.9	1525.7	1398.3	1298.2	1217.5	1148.6	1096.0
30°	2376.4	2135.6	1934.8	1763.6	1618.4	1485.0	1362.0	1261.2	1175.2	1104.8	1055.9
32.5°	2398.6	2133.4	1901.4	1716.2	1562.0	1447.9	1322.7	1217.5	1128.6	1059.6	1013.0
35°	2404.6	2120.8	1862.2	1647.3	1500.5	1385.7	1281.2	1173.0	1080.4	1015.9	962.6
37.5°	2392.0	2097.8	1819.2	1585.0	1426.4	1312.3	1221.2	1128.6	1039.6	967.8	921.1
40°	2351.2	2075.6	1767.3	1518.3	1349.4	1240.4	1165.6	1075.2	987.8	920.3	877.4
42.5°	2273.4	2030.4	1710.2	1444.2	1269.3	1160.4	1093.0	1021.1	939.6	877.4	834.4
45°	2137.1	1960.7	1653.2	1370.1	1190.8	1078.2	1017.4	962.6	887.7	826.2	789.2
47.5°	1962.9	1866.6	1570.9	1292.3	1108.5	999.6	935.9	890.7	832.2	782.5	746.2
50°	1779.9	1745.1	1487.2	1212.3	1026.3	920.3	859.6	819.6	780.3	730.6	698.0
52.5°	1568.7	1604.3	1389.4	1129.3	942.6	838.8	782.5	752.9	718.0	679.5	652.1
55°	1373.1	1450.9	1273.8	1034.4	859.6	760.3	706.2	678.0	657.3	626.9	602.4
57.5°	1183.4	1282.7	1153.8	938.9	778.1	691.4	638.0	606.1	592.8	575.8	555.8
60°	1018.1	1116.0	1023.3	842.5	695.8	614.3	568.4	542.4	529.1	518.0	501.7
62.5°	870.7	970.0	895.9	744.7	615.0	540.9	502.4	477.2	467.6	463.1	449.8
65°	738.0	823.3	771.4	642.5	538.7	472.0	435.7	417.9	408.3	406.1	397.2
67.5°	623.2	689.1	649.1	552.1	467.6	406.8	375.0	359.4	351.2	350.5	343.1
70°	510.6	571.3	542.4	456.5	386.1	340.9	314.2	300.8	296.4	295.7	292.0
72.5°	423.1	460.9	439.4	371.2	320.9	280.8	263.1	249.0	243.8	245.3	243.1
75°	326.0	357.9	344.6	294.9	251.2	224.5	208.2	199.3	194.9	197.1	194.1
77.5°	249.0	271.2	257.9	220.1	191.9	171.9	159.3	153.4	148.9	148.9	147.5
80°	177.1	189.0	182.3	161.5	139.3	123.0	113.4	109.7	107.4	106.7	106.0
82.5°	113.4	123.0	114.9	102.3	88.9	80.8	76.3	71.1	69.7	70.4	69.7
85°	63.7	67.4	64.5	55.6	49.6	45.2	42.2	40.0	38.5	39.3	37.8
87.5°	27.4	28.2	25.9	23.0	21.5	19.3	19.3	17.8	16.3	16.3	15.6
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°	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4	1529.4
2.5°	1497.6	1492.4	1485.0	1473.9	1465.0	1450.9	1450.9	1453.1	1453.1	1452.4	1450.9
5°	1458.3	1447.2	1433.9	1418.3	1402.0	1385.7	1382.7	1376.8	1372.3	1369.4	1365.7
7.5°	1418.3	1399.8	1381.2	1359.8	1341.2	1325.7	1314.5	1304.9	1299.0	1292.3	1287.1
10°	1377.5	1353.1	1330.1	1307.1	1281.9	1261.9	1249.3	1240.4	1233.8	1227.9	1224.9
12.5°	1329.4	1300.5	1274.5	1253.0	1224.9	1204.1	1192.3	1189.3	1181.2	1167.1	1159.7
15°	1282.7	1256.8	1226.4	1193.0	1179.7	1154.5	1140.4	1133.7	1129.3	1119.7	1116.7
17.5°	1244.2	1209.3	1174.5	1150.0	1125.6	1105.6	1097.4	1088.5	1082.6	1073.7	1071.5
20°	1196.0	1165.6	1134.5	1107.8	1081.9	1059.6	1053.0	1047.0	1041.1	1037.4	1034.4
22.5°	1147.1	1116.7	1092.2	1067.8	1039.6	1027.0	1019.6	1013.0	1009.3	1007.0	1004.1
25°	1101.9	1075.2	1046.3	1024.1	1001.8	992.2	987.8	984.1	981.1	977.4	976.6
27.5°	1061.9	1032.2	1007.8	986.3	970.0	961.8	956.6	954.4	954.4	955.9	956.6
30°	1015.9	989.2	970.0	952.2	937.4	930.0	929.2	929.2	932.2	932.9	934.4
32.5°	973.7	952.9	933.7	916.6	906.3	901.8	905.5	905.5	907.7	910.0	912.9
35°	932.9	913.7	898.8	884.0	874.4	876.6	878.1	879.6	883.3	887.7	890.7
37.5°	894.4	876.6	861.1	849.2	843.3	847.7	851.4	854.4	858.8	862.5	865.5
40°	852.2	839.6	824.7	814.4	815.9	818.1	821.0	824.7	828.4	830.7	833.6
42.5°	812.9	799.5	789.2	781.0	783.2	786.2	787.7	789.2	793.6	798.1	799.5
45°	772.9	762.5	752.1	746.9	748.4	749.9	751.4	753.6	757.3	760.3	761.0
47.5°	727.7	720.3	713.6	707.7	710.6	709.9	712.1	716.6	718.0	719.5	724.0
50°	684.7	678.0	669.9	668.4	668.4	668.4	669.1	675.1	675.1	678.0	681.0
52.5°	637.3	633.6	629.1	626.2	624.7	624.7	628.4	630.6	632.1	636.5	639.5
55°	590.6	586.1	581.7	579.5	578.0	579.5	585.4	586.9	590.6	592.8	595.0
57.5°	541.7	538.7	535.0	533.5	533.5	534.3	538.7	542.4	543.2	550.6	553.5
60°	493.5	488.3	485.4	485.4	483.9	490.5	489.1	496.5	498.0	502.4	507.6
62.5°	443.9	436.5	435.7	435.7	438.7	439.4	442.4	444.6	449.1	455.0	458.7
65°	389.8	386.1	391.3	390.5	389.0	393.5	393.5	397.2	401.6	406.8	415.0
67.5°	339.4	336.4	337.9	337.2	339.4	342.3	344.6	347.5	352.7	358.6	363.8
70°	288.3	290.5	286.8	289.7	292.0	292.7	294.2	298.6	304.6	308.3	314.2
72.5°	238.6	237.9	239.3	240.1	242.3	243.8	245.3	250.5	257.1	260.1	264.5
75°	191.2	190.4	192.7	192.7	196.4	197.8	199.3	201.6	207.5	211.9	215.6
77.5°	148.2	148.9	148.2	151.2	149.7	150.4	154.9	157.1	157.8	167.5	168.9
80°	105.2	106.7	107.4	108.2	108.9	107.4	112.6	114.9	114.9	120.0	123.7
82.5°	68.2	68.9	71.1	71.9	71.9	74.1	73.4	74.8	77.1	78.5	83.7
85°	37.8	40.0	40.8	40.0	40.8	39.3	41.5	42.2	43.0	43.0	43.0
87.5°	14.8	15.6	14.8	15.6	14.8	15.6	15.6	14.1	14.1	16.3	13.3
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: P242470

CATALOG NUMBER: S123DRP-S1165D835-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1529.4	1529.4	1529.4	1529.4
2.5°	1445.7	1445.0	1450.2	1446.4
5°	1361.2	1363.5	1356.0	1356.0
7.5°	1284.9	1281.9	1282.7	1277.5
10°	1216.0	1211.5	1210.1	1210.8
12.5°	1158.9	1158.9	1147.1	1147.1
15°	1116.7	1102.6	1101.1	1105.6
17.5°	1070.0	1061.9	1062.6	1061.1
20°	1034.4	1030.0	1029.3	1024.1
22.5°	1001.8	1001.1	1001.8	995.9
25°	975.9	979.6	976.6	976.6
27.5°	958.1	958.1	955.9	955.9
30°	937.4	936.6	938.1	938.1
32.5°	916.6	918.1	918.1	918.9
35°	895.1	895.9	898.1	896.6
37.5°	867.0	870.7	869.9	871.4
40°	834.4	836.6	835.9	835.9
42.5°	801.0	802.5	800.3	798.8
45°	764.0	762.5	764.7	761.8
47.5°	723.2	724.0	724.7	727.7
50°	682.5	686.9	686.9	686.2
52.5°	642.5	643.9	647.6	647.6
55°	601.0	602.4	603.9	604.7
57.5°	558.7	558.0	560.9	561.7
60°	513.5	513.5	519.4	521.7
62.5°	465.4	468.3	474.2	469.8
65°	418.7	424.6	423.9	426.8
67.5°	369.8	373.5	379.4	379.4
70°	320.1	323.8	326.8	329.0
72.5°	272.0	273.4	281.6	277.1
75°	220.8	226.0	230.5	228.2
77.5°	171.9	178.6	180.1	177.8
80°	128.9	128.2	132.6	131.9
82.5°	86.0	85.2	86.7	87.4
85°	45.9	48.2	45.2	44.5
87.5°	13.3	13.3	12.6	11.9
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242470
 CATALOG NUMBER: S123DRP-S1165D835-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	20.53	22.08	20.89	22.40	22.71	21.08	22.64	21.45	22.95	23.27
	3H	22.08	23.47	22.45	23.80	24.16	22.41	23.81	22.79	24.14	24.50
	4H	22.64	23.96	23.04	24.30	24.68	22.88	24.19	23.27	24.54	24.92
	6H	23.04	24.26	23.45	24.62	25.01	23.17	24.38	23.58	24.75	25.14
	8H	23.15	24.31	23.58	24.70	25.10	23.24	24.40	23.67	24.79	25.19
	12H	23.22	24.33	23.65	24.71	25.14	23.28	24.39	23.71	24.77	25.20
4H	2H	21.68	22.99	22.08	23.34	23.72	21.84	23.16	22.24	23.51	23.88
	3H	23.28	24.37	23.69	24.77	25.17	23.65	24.74	24.06	25.14	25.54
	4H	23.90	24.88	24.33	25.30	25.74	24.22	25.20	24.65	25.62	26.06
	6H	24.37	25.23	24.83	25.67	26.13	24.58	25.44	25.04	25.88	26.34
	8H	24.51	25.31	24.97	25.75	26.22	24.67	25.47	25.13	25.92	26.38
	12H	24.60	25.32	25.08	25.80	26.27	24.72	25.44	25.21	25.92	26.39
8H	4H	24.38	25.18	24.84	25.63	26.09	24.52	25.32	24.98	25.77	26.23
	6H	24.93	25.59	25.43	26.08	26.56	25.03	25.69	25.53	26.19	26.66
	8H	25.12	25.71	25.63	26.22	26.71	25.18	25.77	25.69	26.28	26.77
	12H	25.26	25.79	25.77	26.28	26.84	25.27	25.80	25.78	26.29	26.85
12H	4H	24.43	25.15	24.91	25.63	26.10	24.53	25.25	25.02	25.73	26.20
	6H	25.01	25.60	25.52	26.11	26.60	25.06	25.66	25.58	26.17	26.66
	8H	25.24	25.77	25.75	26.26	26.82	25.27	25.80	25.78	26.29	26.85