

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: P243325

Luminaire Tested: S123DRP-H1165D830-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243325
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-H1165D830-X4F0-XX-UDD-A-W
Description: DEFINE 3 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

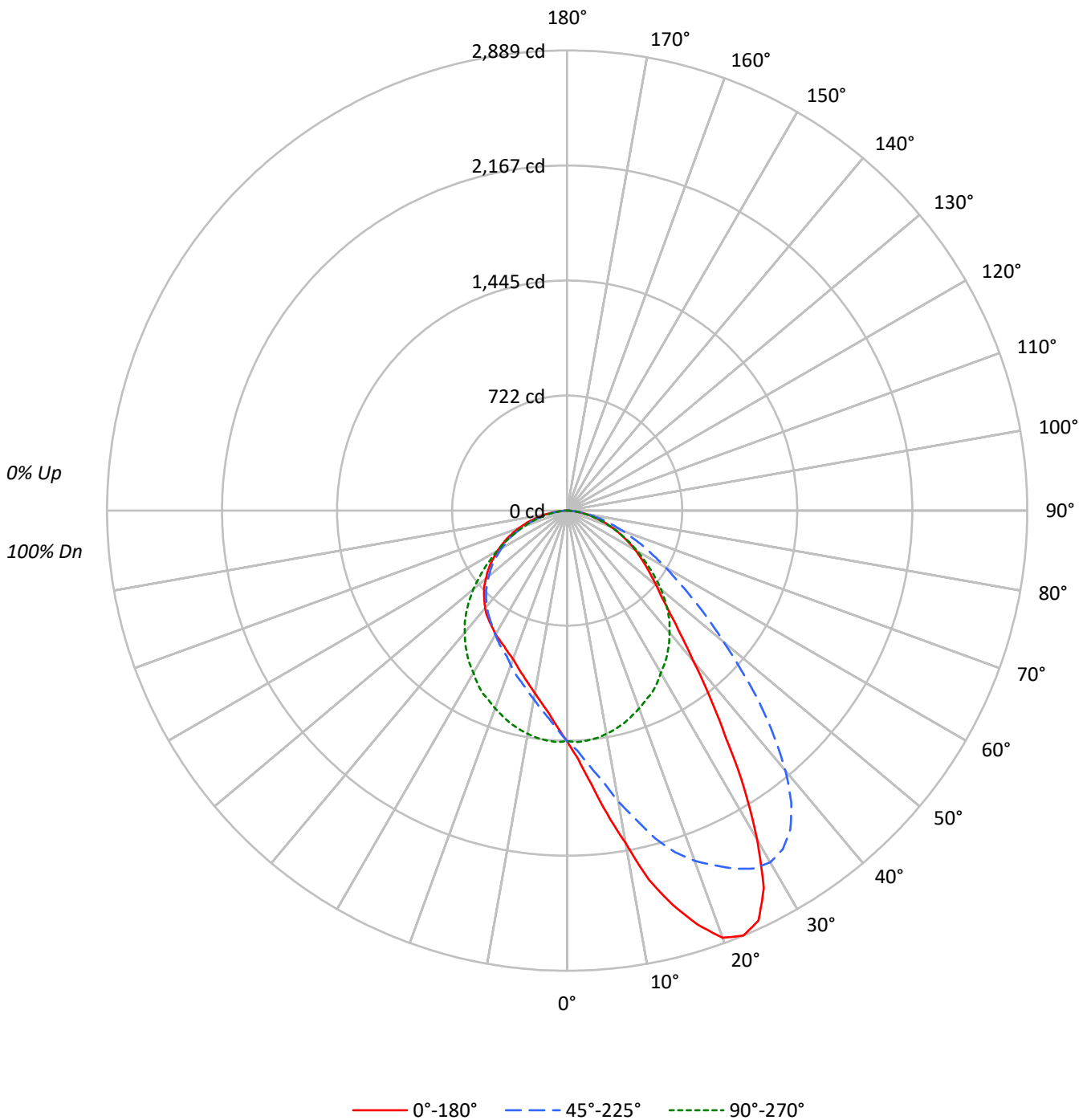
Lumens per Lamp: N/A
Luminaire Lumens: 4363.0 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.39 / 1.21 / 1.5
Luminous Opening: Rectangular (W 3.88' x L: 0.23' x H: 0')
CIE Type: Direct

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				
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74					72				
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64					62				
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55					53				
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	49					46				
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43					41				
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38					36				
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34					33				
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31					29				
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	33	28					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17548	17548	17548	17548	17548
5°	20905	19551	17631	15946	15582
10°	26107	22835	17524	14808	14327
15°	32174	26718	17335	13966	13442
20°	36817	30190	17058	13330	12791
25°	37996	33164	16870	12863	12553
30°	33380	35701	16468	12608	12562
35°	25620	36163	16224	12447	12575
40°	19488	33752	15826	12409	12670
45°	15680	29270	15316	12341	12658
50°	13800	24211	14499	12125	12550
55°	12720	20256	13434	11934	12466
60°	11988	17290	12293	11537	12213
65°	11140	15020	11234	11082	11977
70°	10196	13084	10079	10196	11465
75°	9067	11174	8786	9128	10678
80°	7588	9207	7267	7818	9347
85°	5340	6829	5257	5897	7009

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 55°
 Vertical Angle: 45°
 Luminance: 32861 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	3.3
10°-20°	457.3	10.5
20°-30°	755.3	17.3
30°-40°	864.4	19.8
40°-50°	783.3	18.0
50°-60°	632.9	14.5
60°-70°	441.0	10.1
70°-80°	231.3	5.3
80°-90°	55.1	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°	1355.0	31.1
0°-40°	2219.4	50.9
0°-60°	3635.6	83.3
0°-90°	4363.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4363.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1448	1448	1448	1448	1448	
5°	1718	1607	1449	1310	1281	177
15°	2564	2129	1381	1113	1071	730
25°	2841	2480	1261	962	939	1269
35°	1731	2444	1096	841	850	1097
45°	915	1708	894	720	738	721
55°	602	958	636	565	590	541
65°	388	524	392	386	418	385
75°	194	239	188	195	228	207
85°	38	49	38	42	50	49
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°	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7
2.5°	1559.0	1562.3	1557.0	1560.4	1552.4	1547.8	1540.5	1537.2	1521.2	1510.0	1506.0
5°	1718.1	1718.1	1719.4	1711.5	1702.2	1685.6	1663.8	1649.8	1633.9	1606.8	1592.8
7.5°	1918.3	1908.3	1901.7	1887.1	1874.5	1847.4	1823.5	1795.0	1757.9	1712.8	1688.9
10°	2121.1	2131.7	2125.1	2109.9	2077.4	2033.0	1997.8	1956.7	1899.1	1855.3	1793.0
12.5°	2374.3	2360.4	2349.8	2326.6	2290.8	2243.8	2189.4	2128.4	2054.2	1981.9	1912.3
15°	2563.9	2565.9	2565.2	2534.7	2499.6	2436.0	2385.6	2284.2	2190.1	2129.1	2013.7
17.5°	2724.3	2732.9	2723.0	2677.3	2646.1	2608.3	2544.0	2431.3	2345.8	2247.1	2119.8
20°	2854.2	2855.6	2839.7	2805.8	2770.1	2727.6	2642.8	2556.6	2473.1	2340.5	2219.2
22.5°	2888.7	2892.0	2888.7	2874.1	2845.0	2799.9	2736.2	2656.7	2551.3	2410.1	2297.4
25°	2841.0	2839.0	2850.3	2841.6	2840.3	2825.7	2784.0	2719.7	2615.6	2479.7	2336.6
27.5°	2673.9	2660.0	2688.5	2725.6	2730.9	2754.1	2754.8	2725.0	2650.1	2534.1	2378.3
30°	2384.9	2398.2	2412.1	2489.7	2532.8	2593.1	2645.4	2664.7	2636.2	2550.7	2404.8
32.5°	2070.7	2113.2	2152.3	2206.0	2268.9	2371.0	2453.9	2526.8	2557.9	2520.2	2404.8
35°	1731.4	1753.9	1815.5	1883.8	1974.6	2054.2	2218.6	2324.6	2419.4	2443.9	2374.3
37.5°	1466.2	1486.8	1508.0	1561.0	1663.1	1795.7	1931.5	2070.7	2211.3	2312.0	2308.0
40°	1231.6	1236.2	1254.8	1300.5	1385.4	1503.3	1645.9	1813.6	1995.8	2133.1	2190.7
42.5°	1051.3	1051.3	1074.5	1127.5	1176.6	1262.7	1400.6	1548.4	1747.9	1924.3	2047.5
45°	914.7	916.1	934.6	972.4	1010.8	1078.5	1180.5	1319.7	1525.2	1707.5	1879.2
47.5°	803.4	816.0	826.6	846.5	884.9	944.6	1018.8	1137.5	1283.9	1482.8	1683.0
50°	731.8	734.4	742.4	754.3	784.2	823.3	887.6	977.7	1107.6	1283.9	1486.1
52.5°	661.5	661.5	669.5	684.1	701.3	733.1	779.5	854.4	951.9	1111.6	1293.2
55°	601.9	603.9	605.2	617.1	631.7	655.6	692.0	741.1	830.6	958.5	1116.9
57.5°	543.5	550.8	548.8	558.1	568.7	586.0	611.8	654.2	722.5	819.9	962.5
60°	494.5	493.2	496.5	500.5	507.7	519.7	543.5	574.7	631.7	713.2	829.9
62.5°	438.8	437.5	441.5	446.1	452.7	462.7	479.9	503.8	548.8	609.8	711.2
65°	388.4	387.1	389.1	391.7	399.0	407.0	420.2	440.1	470.0	523.7	601.2
67.5°	338.1	338.1	339.4	342.0	346.7	352.6	363.2	375.2	405.0	440.8	501.8
70°	287.7	288.3	288.3	291.0	295.0	299.6	308.2	318.8	337.4	369.2	418.3
72.5°	243.9	243.9	242.6	243.9	246.6	248.6	253.9	263.8	277.7	300.9	338.1
75°	193.6	196.9	196.2	195.5	197.5	200.8	205.5	213.4	222.1	238.6	266.5
77.5°	148.5	150.5	150.5	151.1	153.1	155.8	157.1	165.0	173.0	182.9	203.5
80°	108.7	110.0	108.7	109.4	110.7	113.3	116.0	117.3	123.3	131.9	141.9
82.5°	72.9	70.9	73.6	72.9	74.2	74.9	76.2	76.9	80.9	86.2	92.8
85°	38.4	41.8	41.1	42.4	41.1	41.8	42.4	45.1	45.7	49.1	53.0
87.5°	14.6	15.9	15.9	15.9	15.9	15.9	17.2	17.9	19.2	19.9	21.2
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°	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7
2.5°	1508.6	1502.7	1494.1	1484.8	1474.8	1464.9	1460.3	1454.3	1442.4	1430.4	1421.2
5°	1581.6	1565.0	1542.5	1525.9	1502.0	1479.5	1461.6	1449.0	1429.8	1406.6	1391.3
7.5°	1663.1	1633.3	1597.5	1561.0	1525.2	1491.4	1463.6	1439.7	1409.9	1381.4	1358.2
10°	1759.2	1701.5	1651.8	1598.8	1545.8	1498.0	1458.3	1423.8	1385.4	1350.9	1322.4
12.5°	1844.1	1777.1	1708.2	1633.3	1561.7	1500.0	1449.0	1403.9	1357.5	1317.7	1288.6
15°	1937.5	1843.4	1747.9	1663.1	1576.3	1500.7	1433.7	1381.4	1328.4	1283.3	1249.5
17.5°	2044.9	1919.0	1799.0	1677.0	1600.1	1502.7	1420.5	1351.6	1297.2	1252.1	1208.4
20°	2108.5	1983.3	1836.1	1710.8	1583.6	1483.5	1392.0	1322.4	1258.8	1207.1	1171.3
22.5°	2143.0	2011.1	1857.3	1728.7	1580.2	1468.2	1370.8	1288.6	1220.3	1168.6	1128.2
25°	2191.4	2011.1	1868.6	1714.1	1585.5	1450.3	1340.3	1261.4	1189.8	1130.2	1087.7
27.5°	2213.3	2029.0	1869.9	1686.3	1553.7	1416.5	1305.2	1221.6	1142.1	1083.8	1047.3
30°	2231.2	2032.3	1843.4	1664.4	1516.6	1378.7	1270.0	1176.6	1102.3	1046.6	1008.2
32.5°	2232.5	2023.7	1807.6	1623.3	1466.9	1334.3	1228.3	1140.1	1062.6	1003.6	965.8
35°	2220.6	2002.5	1766.5	1560.4	1409.2	1288.6	1182.5	1096.4	1017.5	961.1	922.7
37.5°	2190.1	1978.6	1728.1	1501.4	1340.9	1223.6	1133.5	1051.3	973.1	916.7	884.9
40°	2125.1	1940.2	1677.7	1438.4	1272.0	1154.7	1075.8	1000.2	930.6	872.3	840.5
42.5°	2038.9	1882.5	1616.7	1371.4	1195.1	1081.8	1012.2	951.2	880.3	829.9	797.4
45°	1917.0	1804.3	1555.7	1301.2	1118.9	1007.5	943.9	893.5	832.5	782.2	753.7
47.5°	1779.1	1710.2	1476.8	1222.3	1038.7	934.0	873.6	833.2	781.5	738.4	709.9
50°	1624.0	1598.1	1390.0	1142.8	963.8	856.4	800.7	768.9	725.2	690.7	666.2
52.5°	1455.6	1471.5	1298.5	1061.9	891.5	782.8	729.8	700.6	672.8	643.6	620.4
55°	1284.6	1322.4	1187.8	973.7	808.7	713.9	662.2	635.7	615.1	590.6	574.0
57.5°	1124.2	1183.2	1073.2	879.6	732.5	641.6	592.6	569.4	554.1	540.9	525.6
60°	968.4	1036.7	955.2	791.4	656.2	573.4	529.6	507.1	499.8	489.8	475.3
62.5°	830.6	900.2	839.2	700.6	579.3	508.4	468.6	450.1	439.5	436.2	427.5
65°	701.3	766.3	719.9	605.8	506.4	443.4	408.3	391.7	385.8	385.1	378.5
67.5°	589.3	652.2	609.8	513.7	429.5	378.5	352.0	338.7	332.8	333.4	328.8
70°	485.9	530.3	505.1	429.5	364.6	319.5	298.9	284.4	279.7	279.7	278.4
72.5°	389.8	424.9	405.7	348.0	297.0	262.5	244.6	236.0	232.0	231.3	232.0
75°	304.9	335.4	318.2	273.1	234.6	208.8	193.6	187.6	185.6	184.3	184.9
77.5°	228.0	247.2	236.6	207.5	175.7	157.8	150.5	144.5	142.5	143.2	144.5
80°	161.1	171.7	165.7	147.2	125.9	114.0	108.7	104.1	102.1	104.1	104.1
82.5°	102.1	110.0	104.7	92.8	82.2	74.2	68.9	67.6	66.9	65.6	67.6
85°	55.7	59.7	57.0	53.0	45.7	42.4	38.4	37.8	37.8	37.8	37.8
87.5°	21.9	24.5	21.2	21.2	19.9	16.6	16.6	15.9	15.2	15.9	15.9
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7	1447.7
2.5°	1417.2	1408.6	1403.3	1396.0	1387.3	1376.1	1371.4	1376.1	1373.4	1368.8	1370.8
5°	1378.1	1366.8	1352.2	1340.3	1327.0	1310.5	1305.2	1302.5	1298.5	1296.5	1293.2
7.5°	1339.6	1323.1	1305.2	1288.6	1269.4	1254.8	1248.1	1243.5	1242.2	1232.2	1228.3
10°	1299.9	1279.3	1261.4	1238.9	1222.3	1203.1	1195.1	1189.8	1183.9	1177.2	1172.6
12.5°	1258.1	1237.5	1215.0	1193.8	1177.2	1156.0	1145.4	1139.4	1134.8	1130.2	1124.9
15°	1221.6	1201.1	1169.9	1154.0	1134.1	1112.9	1106.3	1093.0	1094.4	1086.4	1081.1
17.5°	1183.2	1152.7	1130.8	1107.0	1092.4	1077.1	1064.5	1050.6	1048.6	1042.7	1040.7
20°	1140.1	1108.3	1093.0	1068.5	1048.6	1033.4	1022.1	1020.8	1016.8	1008.2	1004.9
22.5°	1097.7	1071.8	1050.6	1028.1	1010.2	990.3	985.0	987.0	979.7	977.7	970.4
25°	1059.2	1036.7	1010.2	989.0	974.4	961.8	954.5	951.9	949.2	947.2	943.9
27.5°	1018.1	994.3	971.7	954.5	940.6	932.0	927.3	921.4	920.7	920.7	919.4
30°	977.0	955.8	940.6	918.7	906.1	900.8	896.8	894.8	896.8	896.8	897.5
32.5°	939.3	918.7	900.8	885.6	873.0	869.0	868.3	868.3	871.0	871.0	873.0
35°	900.2	879.6	863.0	852.4	841.8	841.2	841.8	843.1	846.5	847.1	849.8
37.5°	857.7	841.8	829.2	816.0	813.3	814.6	816.0	817.3	818.6	823.9	823.9
40°	818.6	806.7	794.1	785.5	780.8	784.2	786.1	786.8	790.8	794.1	796.7
42.5°	780.2	768.9	759.0	751.7	749.7	752.3	754.3	756.3	760.3	762.9	767.6
45°	737.1	729.8	721.2	715.2	715.9	719.9	719.9	726.5	729.1	730.5	733.8
47.5°	697.3	689.4	683.4	680.7	680.1	683.4	685.4	690.7	692.0	696.7	699.3
50°	654.9	648.9	644.3	641.0	641.6	643.0	647.6	652.9	654.2	659.5	664.2
52.5°	610.5	605.2	601.2	602.5	604.5	604.5	609.2	612.5	615.8	619.8	624.4
55°	566.7	559.4	560.1	558.1	560.1	564.7	566.7	572.0	574.7	576.7	583.3
57.5°	519.0	517.7	515.7	513.7	517.7	519.7	523.0	526.3	530.9	533.6	538.2
60°	470.0	468.0	468.0	470.6	472.0	475.9	481.2	483.2	484.5	489.8	495.8
62.5°	424.9	422.9	422.2	426.2	426.2	430.2	432.2	435.5	440.8	442.8	450.7
65°	376.5	375.2	375.2	378.5	379.2	386.4	386.4	386.4	389.8	397.0	401.0
67.5°	326.1	326.8	328.8	330.8	333.4	335.4	336.1	340.0	345.3	350.0	357.9
70°	275.7	279.1	283.0	282.4	284.4	287.7	288.3	292.3	297.0	302.9	312.2
72.5°	230.7	232.7	236.6	236.6	239.3	241.3	244.6	247.2	253.2	258.5	262.5
75°	185.6	186.3	189.6	191.6	193.6	194.9	198.2	202.8	206.1	210.8	216.8
77.5°	145.8	144.5	147.2	147.8	149.1	151.8	154.4	159.1	161.7	167.0	169.0
80°	103.4	106.1	106.7	107.4	108.7	112.0	114.0	116.0	118.7	123.3	125.3
82.5°	68.3	69.6	71.6	72.3	73.6	74.2	74.9	78.2	80.2	81.5	88.2
85°	39.8	41.8	40.4	40.4	41.8	42.4	45.1	45.1	47.7	46.4	49.7
87.5°	17.2	16.6	16.6	17.2	16.6	15.9	17.9	17.9	17.2	17.9	17.9
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: P243325

CATALOG NUMBER: S123DRP-H1165D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1447.7	1447.7	1447.7	1447.7
2.5°	1367.5	1367.5	1362.2	1364.1
5°	1286.6	1289.2	1282.6	1280.6
7.5°	1226.9	1224.3	1219.6	1219.6
10°	1168.6	1166.0	1164.0	1164.0
12.5°	1118.2	1115.6	1111.6	1114.9
15°	1073.2	1073.8	1071.2	1071.2
17.5°	1038.7	1032.7	1030.7	1030.1
20°	997.6	998.9	996.3	991.6
22.5°	971.7	968.4	965.8	965.1
25°	945.2	941.9	941.2	938.6
27.5°	918.7	919.4	917.4	917.4
30°	896.8	898.8	896.8	897.5
32.5°	875.0	875.0	875.0	872.3
35°	851.1	851.8	851.1	849.8
37.5°	826.6	826.6	827.2	828.6
40°	799.4	799.4	800.7	800.7
42.5°	766.9	770.2	772.2	768.9
45°	737.8	738.4	739.1	738.4
47.5°	705.3	703.3	703.9	705.3
50°	664.8	669.5	669.5	665.5
52.5°	625.7	627.1	629.7	629.7
55°	587.3	587.9	588.6	589.9
57.5°	543.5	544.2	544.2	543.5
60°	499.8	503.8	503.1	503.8
62.5°	452.7	458.7	460.7	460.0
65°	408.3	409.6	413.0	417.6
67.5°	361.3	364.6	369.9	368.5
70°	314.9	319.5	320.8	323.5
72.5°	268.5	274.4	275.7	277.1
75°	223.4	226.0	228.7	228.0
77.5°	174.3	178.3	182.9	180.3
80°	130.6	131.2	135.2	133.9
82.5°	86.2	91.5	91.5	88.8
85°	50.4	50.4	50.4	50.4
87.5°	17.2	16.6	17.9	17.2
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243325
 CATALOG NUMBER: S123DRP-H1165D830-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	20.35	21.91	20.72	22.23	22.54	20.88	22.44	21.25	22.76	23.07
	3H	21.87	23.27	22.25	23.60	23.96	22.22	23.63	22.60	23.95	24.31
	4H	22.42	23.74	22.82	24.08	24.46	22.68	24.00	23.08	24.34	24.72
	6H	22.78	24.00	23.19	24.36	24.76	22.98	24.20	23.39	24.56	24.96
	8H	22.88	24.04	23.30	24.43	24.83	23.05	24.22	23.48	24.60	25.00
	12H	22.93	24.04	23.36	24.42	24.85	23.09	24.20	23.52	24.58	25.01
4H	2H	21.52	22.83	21.91	23.18	23.56	21.68	22.99	22.07	23.34	23.72
	3H	23.07	24.17	23.48	24.57	24.97	23.47	24.56	23.88	24.96	25.36
	4H	23.67	24.66	24.10	25.07	25.51	24.03	25.02	24.46	25.43	25.87
	6H	24.10	24.96	24.55	25.40	25.86	24.40	25.26	24.85	25.70	26.16
	8H	24.22	25.02	24.68	25.46	25.93	24.49	25.29	24.95	25.73	26.20
	12H	24.29	25.01	24.77	25.49	25.96	24.54	25.26	25.02	25.74	26.21
8H	4H	24.13	24.94	24.59	25.38	25.85	24.33	25.14	24.79	25.58	26.05
	6H	24.63	25.30	25.13	25.79	26.27	24.84	25.51	25.34	26.00	26.47
	8H	24.79	25.39	25.31	25.90	26.39	24.99	25.59	25.50	26.09	26.58
	12H	24.91	25.44	25.42	25.93	26.49	25.09	25.62	25.60	26.11	26.67
12H	4H	24.18	24.90	24.66	25.38	25.85	24.35	25.07	24.83	25.54	26.01
	6H	24.70	25.30	25.21	25.81	26.30	24.87	25.47	25.39	25.98	26.47
	8H	24.91	25.44	25.42	25.93	26.49	25.08	25.61	25.59	26.10	26.66