

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: P242490

Luminaire Tested: S123DRP-S1165D940-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242490
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-S1165D940-X4F0-XX-UDD-A-W
Description: DEFINE 3 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

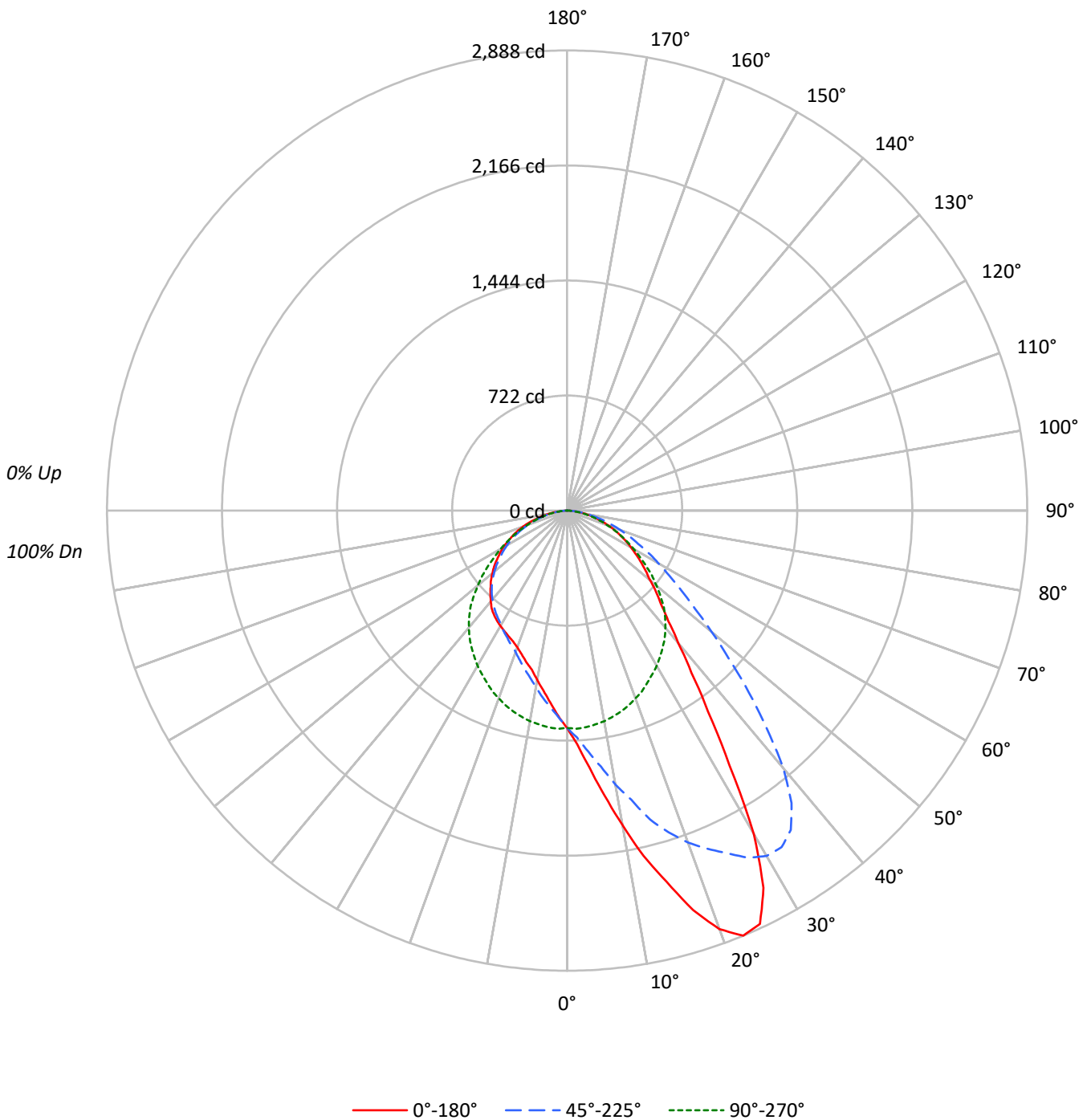
Lumens per Lamp: N/A
Luminaire Lumens: 4116.4 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.5
Luminous Opening: Rectangular (W 3.88' x L: 0.23' x H: 0')
CIE Type: Direct

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	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°	16531	16531	16531	16531	16531
5°	19714	18475	16603	15034	14713
10°	24676	21479	16518	13850	13289
15°	30265	25190	16385	12919	12372
20°	36053	28604	16177	12188	11779
25°	38283	31725	15925	11834	11648
30°	32813	35033	15740	11607	11708
35°	22820	36197	15478	11567	11830
40°	17189	33415	15171	11543	11793
45°	14272	27638	14713	11463	11645
50°	12783	22304	13781	11239	11539
55°	11953	18502	12777	10919	11395
60°	11212	16002	11726	10604	11278
65°	10537	14080	10690	10064	10916
70°	9881	12574	9509	9250	10398
75°	8851	10893	8322	8261	9530
80°	7748	8949	6827	6687	8209
85°	6064	6982	4965	4868	5507

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 55°
 Vertical Angle: 45°
 Luminance: 32666 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	3.3
10°-20°	430.8	10.5
20°-30°	724.9	17.6
30°-40°	819.2	19.9
40°-50°	733.8	17.8
50°-60°	592.3	14.4
60°-70°	412.7	10.0
70°-80°	216.6	5.3
80°-90°	51.9	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°	1289.8	31.3
0°-40°	2109.1	51.2
0°-60°	3435.2	83.5
0°-90°	4116.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4116.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1364	1364	1364	1364	1364	
5°	1620	1518	1364	1236	1209	167
15°	2412	2007	1306	1030	986	696
25°	2862	2372	1191	885	871	1265
35°	1542	2446	1046	782	800	995
45°	833	1612	858	669	679	657
55°	566	876	605	517	539	508
65°	367	491	373	351	381	366
75°	189	233	178	176	204	202
85°	44	50	36	35	40	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°	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8
2.5°	1468.2	1466.9	1463.6	1466.2	1461.0	1453.7	1453.0	1446.4	1427.3	1425.9	1420.6
5°	1620.2	1614.9	1614.2	1613.6	1604.3	1591.8	1568.0	1566.0	1534.3	1518.4	1499.3
7.5°	1803.9	1801.9	1796.6	1790.7	1759.6	1744.4	1722.0	1692.9	1655.9	1620.2	1597.7
10°	2004.8	2026.6	1999.5	1981.0	1963.8	1931.4	1893.8	1846.8	1799.9	1745.1	1703.5
12.5°	2220.2	2228.1	2228.1	2210.9	2181.8	2128.3	2054.3	2001.5	1959.2	1858.7	1823.1
15°	2411.8	2452.1	2426.3	2366.9	2368.2	2321.3	2234.0	2138.2	2087.4	2007.4	1898.4
17.5°	2628.5	2635.8	2627.9	2572.4	2545.3	2477.2	2398.6	2309.4	2213.6	2116.4	2003.4
20°	2795.0	2791.1	2767.9	2742.2	2685.4	2635.1	2547.3	2444.8	2312.7	2217.5	2091.3
22.5°	2887.5	2880.3	2872.3	2851.9	2806.9	2752.1	2675.4	2561.1	2436.9	2296.8	2146.2
25°	2862.4	2871.0	2872.3	2866.4	2849.9	2817.5	2755.4	2666.2	2540.6	2372.1	2220.2
27.5°	2668.2	2690.0	2717.7	2736.2	2766.0	2785.8	2766.0	2709.8	2606.7	2456.1	2269.1
30°	2344.4	2318.0	2383.4	2466.0	2522.1	2621.3	2676.8	2680.1	2627.9	2503.0	2321.9
32.5°	1895.1	1938.0	1957.8	2064.2	2203.7	2318.0	2442.2	2552.5	2578.3	2505.6	2353.0
35°	1542.2	1578.6	1631.4	1684.3	1816.4	1930.1	2124.4	2293.5	2428.3	2446.2	2349.0
37.5°	1281.9	1303.0	1335.4	1391.6	1482.1	1622.8	1776.8	1996.8	2182.5	2313.3	2300.1
40°	1086.3	1091.6	1129.2	1169.6	1239.6	1350.6	1486.1	1675.0	1909.0	2111.8	2196.4
42.5°	939.6	952.8	963.4	1001.7	1053.9	1130.6	1254.1	1402.1	1611.6	1852.8	2038.5
45°	832.6	845.8	855.7	881.5	921.1	977.3	1065.2	1207.9	1371.1	1612.3	1834.9
47.5°	758.6	757.2	765.8	786.3	814.7	859.7	924.4	1019.6	1176.2	1377.7	1610.9
50°	677.9	688.5	691.2	706.4	727.5	758.6	810.1	888.1	1011.0	1182.8	1392.9
52.5°	621.1	622.4	631.0	640.9	658.8	681.2	724.2	781.0	870.9	1011.0	1199.9
55°	565.6	565.6	572.9	581.5	592.0	613.9	643.6	688.5	761.9	875.5	1035.4
57.5°	514.1	516.7	523.3	525.3	534.6	549.8	575.5	611.2	667.4	759.2	891.4
60°	462.5	468.5	467.8	473.1	481.0	492.3	513.4	541.2	590.1	660.1	767.1
62.5°	417.6	415.6	415.6	422.2	430.2	440.7	452.6	475.8	515.4	575.5	662.7
65°	367.4	366.1	370.7	374.7	377.3	385.2	395.8	416.9	444.7	490.9	561.7
67.5°	323.8	319.8	323.1	324.4	329.1	335.7	346.2	359.5	381.9	420.9	477.7
70°	278.8	275.5	274.9	276.2	280.2	284.8	292.1	304.6	325.1	354.8	393.8
72.5°	232.6	230.6	230.6	233.9	235.2	237.9	242.5	253.7	268.9	289.4	325.1
75°	189.0	189.0	189.0	189.6	191.6	194.3	198.2	204.2	216.7	232.6	257.0
77.5°	149.3	150.0	148.7	148.0	151.3	152.6	153.3	159.9	167.2	179.1	198.2
80°	111.0	107.7	109.0	111.0	112.3	113.0	115.0	116.3	122.2	128.2	140.7
82.5°	75.3	72.7	72.7	76.0	76.0	76.6	78.6	80.6	81.9	87.2	92.5
85°	43.6	43.6	44.3	44.3	44.9	44.3	46.3	46.9	46.9	50.2	54.2
87.5°	19.8	18.5	19.2	19.8	19.2	19.8	20.5	21.1	21.8	22.5	23.1
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°	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8
2.5°	1416.7	1411.4	1406.1	1396.9	1388.9	1377.7	1374.4	1370.4	1358.5	1348.0	1340.0
5°	1492.0	1476.1	1453.0	1431.9	1414.7	1391.6	1378.4	1364.5	1344.7	1326.8	1312.3
7.5°	1564.0	1536.3	1503.9	1468.9	1435.2	1402.8	1377.0	1353.9	1328.1	1303.0	1283.9
10°	1653.2	1608.3	1558.1	1503.9	1457.6	1412.7	1375.1	1342.0	1306.3	1275.3	1249.5
12.5°	1755.0	1683.0	1609.0	1540.2	1483.4	1416.7	1369.1	1324.8	1283.2	1244.2	1214.5
15°	1831.0	1746.4	1664.5	1573.9	1490.7	1412.7	1358.5	1305.7	1258.8	1220.4	1183.4
17.5°	1906.3	1813.8	1709.4	1600.4	1502.6	1412.7	1338.7	1281.9	1224.4	1178.1	1142.5
20°	1968.4	1859.4	1737.2	1622.8	1511.8	1408.8	1325.5	1254.1	1190.7	1141.1	1099.5
22.5°	2021.9	1889.8	1762.3	1638.0	1511.2	1398.2	1301.0	1227.0	1157.0	1108.8	1063.8
25°	2055.6	1903.0	1776.1	1632.8	1494.7	1379.7	1274.0	1190.7	1122.0	1065.2	1019.6
27.5°	2087.4	1901.0	1757.6	1603.0	1474.8	1360.5	1246.9	1157.7	1085.6	1024.2	977.3
30°	2119.1	1904.3	1725.3	1572.6	1443.1	1324.2	1214.5	1124.6	1048.0	985.2	941.6
32.5°	2138.9	1902.3	1695.5	1530.3	1392.9	1291.1	1179.5	1085.6	1006.3	944.9	903.3
35°	2144.2	1891.1	1660.5	1468.9	1338.0	1235.6	1142.5	1046.0	963.4	905.9	858.3
37.5°	2133.0	1870.6	1622.2	1413.4	1272.0	1170.2	1088.9	1006.3	927.1	863.0	821.3
40°	2096.6	1850.8	1575.9	1353.9	1203.3	1106.1	1039.4	958.8	880.8	820.7	782.3
42.5°	2027.2	1810.5	1525.0	1287.8	1131.9	1034.8	974.6	910.5	837.9	782.3	744.0
45°	1905.6	1748.4	1474.2	1221.8	1061.8	961.4	907.2	858.3	791.6	736.8	703.7
47.5°	1750.4	1664.5	1400.8	1152.4	988.5	891.4	834.5	794.2	742.0	697.8	665.4
50°	1587.2	1556.1	1326.2	1081.0	915.2	820.7	766.5	730.8	695.8	651.5	622.4
52.5°	1398.8	1430.6	1238.9	1007.0	840.5	748.0	697.8	671.3	640.3	605.9	581.5
55°	1224.4	1293.8	1135.9	922.4	766.5	677.9	629.7	604.6	586.1	559.0	537.2
57.5°	1055.2	1143.8	1028.8	837.2	693.8	616.5	568.9	540.5	528.6	513.4	495.6
60°	907.9	995.1	912.5	751.3	620.5	547.8	506.8	483.7	471.8	461.9	447.3
62.5°	776.4	864.9	798.9	664.1	548.4	482.4	448.0	425.5	416.9	413.0	401.1
65°	658.1	734.1	687.9	572.9	480.4	420.9	388.5	372.7	364.1	362.1	354.2
67.5°	555.7	614.5	578.8	492.3	416.9	362.8	334.3	320.5	313.2	312.5	305.9
70°	455.3	509.5	483.7	407.0	344.3	304.0	280.2	268.3	264.3	263.6	260.3
72.5°	377.3	411.0	391.8	331.0	286.1	250.4	234.6	222.0	217.4	218.7	216.7
75°	290.7	319.1	307.3	263.0	224.0	200.2	185.7	177.7	173.8	175.8	173.1
77.5°	222.0	241.8	229.9	196.2	171.1	153.3	142.1	136.8	132.8	132.8	131.5
80°	157.9	168.5	162.5	144.0	124.2	109.7	101.1	97.8	95.8	95.2	94.5
82.5°	101.1	109.7	102.4	91.2	79.3	72.0	68.1	63.4	62.1	62.8	62.1
85°	56.8	60.1	57.5	49.6	44.3	40.3	37.7	35.7	34.4	35.0	33.7
87.5°	24.4	25.1	23.1	20.5	19.2	17.2	17.2	15.9	14.5	14.5	13.9
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°	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8	1363.8
2.5°	1335.4	1330.8	1324.2	1314.3	1306.3	1293.8	1293.8	1295.8	1295.8	1295.1	1293.8
5°	1300.4	1290.5	1278.6	1264.7	1250.2	1235.6	1233.0	1227.7	1223.7	1221.1	1217.8
7.5°	1264.7	1248.2	1231.7	1212.5	1196.0	1182.1	1172.2	1163.6	1158.3	1152.4	1147.7
10°	1228.4	1206.6	1186.1	1165.6	1143.1	1125.3	1114.1	1106.1	1100.2	1094.9	1092.2
12.5°	1185.4	1159.6	1136.5	1117.4	1092.2	1073.7	1063.2	1060.5	1053.3	1040.7	1034.1
15°	1143.8	1120.7	1093.6	1063.8	1051.9	1029.5	1016.9	1011.0	1007.0	998.4	995.8
17.5°	1109.4	1078.4	1047.3	1025.5	1003.7	985.9	978.6	970.7	965.4	957.4	955.5
20°	1066.5	1039.4	1011.6	987.8	964.7	944.9	938.9	933.7	928.4	925.1	922.4
22.5°	1022.9	995.8	974.0	952.2	927.1	915.8	909.2	903.3	900.0	898.0	895.3
25°	982.6	958.8	933.0	913.2	893.4	884.8	880.8	877.5	874.9	871.5	870.9
27.5°	946.9	920.4	898.6	879.5	864.9	857.7	853.0	851.1	851.1	852.4	853.0
30°	905.9	882.1	864.9	849.1	835.9	829.3	828.6	828.6	831.2	831.9	833.2
32.5°	868.2	849.7	832.6	817.4	808.1	804.2	807.5	807.5	809.4	811.4	814.1
35°	831.9	814.7	801.5	788.3	779.7	781.7	783.0	784.3	787.6	791.6	794.2
37.5°	797.5	781.7	767.8	757.2	752.0	755.9	759.2	761.9	765.8	769.1	771.8
40°	759.9	748.6	735.4	726.2	727.5	729.5	732.1	735.4	738.7	740.7	743.4
42.5°	724.9	713.0	703.7	696.4	698.4	701.1	702.4	703.7	707.7	711.6	713.0
45°	689.2	679.9	670.7	666.1	667.4	668.7	670.0	672.0	675.3	677.9	678.6
47.5°	648.9	642.3	636.3	631.0	633.7	633.0	635.0	639.0	640.3	641.6	645.6
50°	610.5	604.6	597.3	596.0	596.0	596.0	596.7	602.0	602.0	604.6	607.2
52.5°	568.3	565.0	561.0	558.3	557.0	557.0	560.3	562.3	563.6	567.6	570.2
55°	526.6	522.7	518.7	516.7	515.4	516.7	522.0	523.3	526.6	528.6	530.6
57.5°	483.0	480.4	477.1	475.8	475.8	476.4	480.4	483.7	484.3	490.9	493.6
60°	440.1	435.4	432.8	432.8	431.5	437.4	436.1	442.7	444.0	448.0	452.6
62.5°	395.8	389.2	388.5	388.5	391.2	391.8	394.5	396.5	400.4	405.7	409.0
65°	347.6	344.3	348.9	348.2	346.9	350.9	350.9	354.2	358.1	362.8	370.0
67.5°	302.6	300.0	301.3	300.6	302.6	305.3	307.3	309.9	314.5	319.8	324.4
70°	257.0	259.0	255.7	258.4	260.3	261.0	262.3	266.3	271.6	274.9	280.2
72.5°	212.8	212.1	213.4	214.1	216.1	217.4	218.7	223.3	229.3	231.9	235.9
75°	170.5	169.8	171.8	171.8	175.1	176.4	177.7	179.7	185.0	189.0	192.3
77.5°	132.2	132.8	132.2	134.8	133.5	134.1	138.1	140.1	140.7	149.3	150.7
80°	93.8	95.2	95.8	96.5	97.1	95.8	100.4	102.4	102.4	107.0	110.3
82.5°	60.8	61.5	63.4	64.1	64.1	66.1	65.4	66.7	68.7	70.0	74.7
85°	33.7	35.7	36.3	35.7	36.3	35.0	37.0	37.7	38.3	38.3	38.3
87.5°	13.2	13.9	13.2	13.9	13.2	13.9	13.9	12.6	12.6	14.5	11.9
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: P242490

CATALOG NUMBER: S123DRP-S1165D940-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1363.8	1363.8	1363.8	1363.8
2.5°	1289.2	1288.5	1293.1	1289.8
5°	1213.8	1215.8	1209.2	1209.2
7.5°	1145.8	1143.1	1143.8	1139.2
10°	1084.3	1080.4	1079.0	1079.7
12.5°	1033.4	1033.4	1022.9	1022.9
15°	995.8	983.2	981.9	985.9
17.5°	954.1	946.9	947.5	946.2
20°	922.4	918.5	917.8	913.2
22.5°	893.4	892.7	893.4	888.1
25°	870.2	873.5	870.9	870.9
27.5°	854.4	854.4	852.4	852.4
30°	835.9	835.2	836.5	836.5
32.5°	817.4	818.7	818.7	819.3
35°	798.2	798.9	800.8	799.5
37.5°	773.1	776.4	775.7	777.1
40°	744.0	746.0	745.3	745.3
42.5°	714.3	715.6	713.6	712.3
45°	681.2	679.9	681.9	679.3
47.5°	644.9	645.6	646.2	648.9
50°	608.6	612.5	612.5	611.9
52.5°	572.9	574.2	577.5	577.5
55°	535.9	537.2	538.5	539.2
57.5°	498.2	497.6	500.2	500.9
60°	457.9	457.9	463.2	465.2
62.5°	415.0	417.6	422.9	418.9
65°	373.3	378.6	378.0	380.6
67.5°	329.7	333.0	338.3	338.3
70°	285.5	288.8	291.4	293.4
72.5°	242.5	243.8	251.1	247.1
75°	196.9	201.5	205.5	203.5
77.5°	153.3	159.2	160.6	158.6
80°	115.0	114.3	118.3	117.6
82.5°	76.6	76.0	77.3	78.0
85°	41.0	42.9	40.3	39.6
87.5°	11.9	11.9	11.2	10.6
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242490
 CATALOG NUMBER: S123DRP-S1165D940-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	20.13	21.69	20.50	22.00	22.31	20.68	22.24	21.05	22.55	22.87
	3H	21.68	23.08	22.06	23.40	23.77	22.02	23.42	22.39	23.74	24.10
	4H	22.24	23.56	22.64	23.91	24.28	22.48	23.79	22.88	24.14	24.52
	6H	22.64	23.86	23.05	24.22	24.61	22.77	23.99	23.18	24.35	24.74
	8H	22.75	23.91	23.18	24.30	24.70	22.84	24.00	23.27	24.39	24.79
	12H	22.82	23.93	23.25	24.31	24.74	22.88	23.99	23.31	24.37	24.80
4H	2H	21.28	22.60	21.68	22.95	23.32	21.45	22.76	21.85	23.11	23.49
	3H	22.88	23.97	23.29	24.37	24.77	23.25	24.35	23.66	24.74	25.15
	4H	23.50	24.48	23.93	24.90	25.34	23.82	24.80	24.25	25.22	25.66
	6H	23.97	24.83	24.43	25.27	25.73	24.18	25.04	24.64	25.48	25.94
	8H	24.11	24.91	24.57	25.35	25.82	24.27	25.08	24.74	25.52	25.99
	12H	24.20	24.92	24.68	25.40	25.87	24.33	25.04	24.81	25.52	25.99
8H	4H	23.98	24.78	24.45	25.23	25.69	24.12	24.92	24.59	25.37	25.83
	6H	24.53	25.20	25.03	25.69	26.16	24.63	25.30	25.13	25.79	26.26
	8H	24.72	25.31	25.23	25.82	26.31	24.78	25.37	25.29	25.88	26.37
	12H	24.86	25.39	25.37	25.88	26.44	24.88	25.40	25.38	25.89	26.46
12H	4H	24.04	24.75	24.52	25.23	25.70	24.14	24.85	24.62	25.33	25.80
	6H	24.61	25.20	25.12	25.71	26.20	24.67	25.26	25.18	25.77	26.26
	8H	24.85	25.37	25.35	25.86	26.43	24.87	25.40	25.38	25.89	26.45