

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: P242465

Luminaire Tested: S123DRP-S1165D830-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242465
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-S1165D830-X4F0-XX-UDD-A-W
Description: DEFINE 3 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

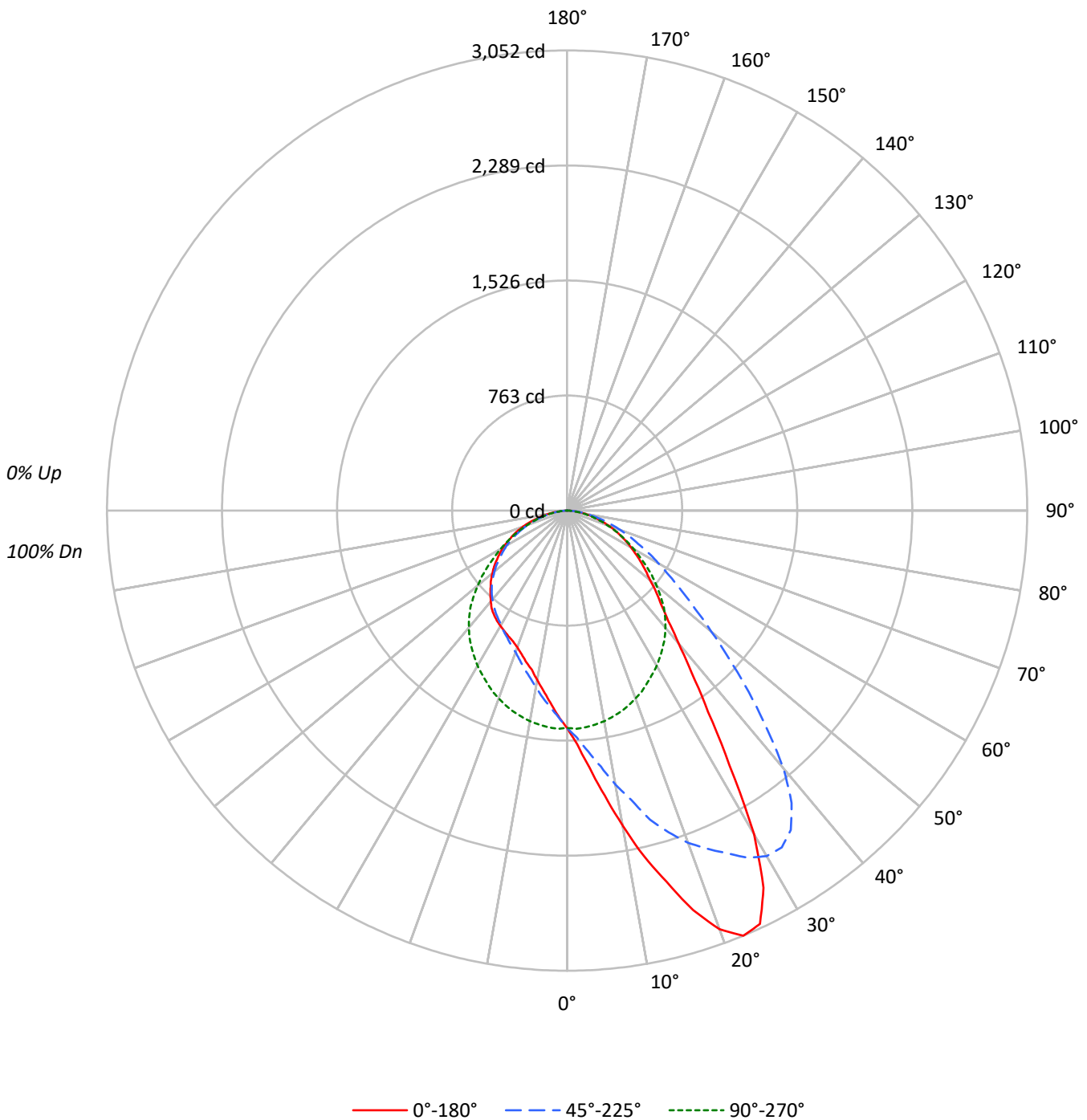
Lumens per Lamp: N/A
Luminaire Lumens: 4351.1 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.5
Luminous Opening: Rectangular (W 3.88' x L: 0.23' x H: 0')
CIE Type: Direct

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°	17474	17474	17474	17474	17474
5°	20838	19529	17549	15892	15551
10°	26081	22704	17459	14639	14046
15°	31991	26626	17319	13656	13077
20°	38109	30234	17099	12884	12450
25°	40465	33535	16833	12508	12311
30°	34683	37030	16638	12268	12376
35°	24121	38260	16360	12226	12505
40°	18168	35320	16035	12201	12465
45°	15085	29213	15553	12116	12308
50°	13513	23575	14567	11880	12195
55°	12635	19556	13506	11543	12044
60°	11852	16914	12395	11210	11920
65°	11137	14883	11298	10638	11538
70°	10444	13294	10051	9778	10990
75°	9357	11512	8800	8734	10074
80°	8188	9458	7218	7071	8677
85°	6411	7385	5243	5146	5827

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 55°
 Vertical Angle: 45°
 Luminance: 34529 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.8	3.3
10°-20°	455.4	10.5
20°-30°	766.2	17.6
30°-40°	865.9	19.9
40°-50°	775.6	17.8
50°-60°	626.1	14.4
60°-70°	436.2	10.0
70°-80°	229.0	5.3
80°-90°	54.9	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°	1363.3	31.3
0°-40°	2229.3	51.2
0°-60°	3631.0	83.5
0°-90°	4351.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4351.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1442	1442	1442	1442	1442	
5°	1713	1605	1442	1306	1278	176
15°	2549	2122	1380	1088	1042	736
25°	3026	2507	1259	935	920	1338
35°	1630	2586	1106	826	845	1052
45°	880	1704	907	707	718	694
55°	598	925	639	546	570	536
65°	388	519	394	371	402	387
75°	200	246	188	186	215	213
85°	46	53	38	37	42	56
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°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6
2.5°	1551.9	1550.5	1547.0	1549.8	1544.2	1536.6	1535.9	1528.9	1508.6	1507.2	1501.6
5°	1712.6	1707.0	1706.3	1705.6	1695.8	1682.5	1657.4	1655.3	1621.8	1605.0	1584.7
7.5°	1906.7	1904.6	1899.0	1892.8	1859.9	1843.9	1820.1	1789.4	1750.3	1712.6	1688.8
10°	2119.0	2142.1	2113.5	2093.9	2075.7	2041.5	2001.7	1952.1	1902.5	1844.6	1800.6
12.5°	2346.7	2355.1	2355.1	2337.0	2306.2	2249.6	2171.4	2115.6	2070.9	1964.7	1927.0
15°	2549.3	2591.9	2564.6	2501.8	2503.2	2453.6	2361.4	2260.1	2206.3	2121.8	2006.6
17.5°	2778.4	2786.0	2777.7	2719.0	2690.4	2618.4	2535.3	2441.0	2339.7	2237.1	2117.6
20°	2954.4	2950.2	2925.7	2898.5	2838.4	2785.3	2692.5	2584.2	2444.5	2343.9	2210.5
22.5°	3052.1	3044.5	3036.1	3014.4	2966.9	2909.0	2828.0	2707.1	2575.8	2427.7	2268.5
25°	3025.6	3034.7	3036.1	3029.8	3012.3	2978.1	2912.5	2818.2	2685.5	2507.4	2346.7
27.5°	2820.3	2843.3	2872.7	2892.2	2923.6	2944.6	2923.6	2864.3	2755.3	2596.1	2398.4
30°	2478.0	2450.1	2519.2	2606.5	2665.9	2770.7	2829.3	2832.8	2777.7	2645.7	2454.3
32.5°	2003.1	2048.5	2069.5	2181.9	2329.3	2450.1	2581.4	2698.0	2725.3	2648.5	2487.1
35°	1630.1	1668.6	1724.4	1780.3	1920.0	2040.1	2245.5	2424.3	2566.7	2585.6	2482.9
37.5°	1355.0	1377.3	1411.5	1470.9	1566.6	1715.3	1878.1	2110.7	2306.9	2445.2	2431.2
40°	1148.2	1153.8	1193.6	1236.2	1310.3	1427.6	1570.8	1770.5	2017.8	2232.2	2321.6
42.5°	993.2	1007.1	1018.3	1058.8	1114.0	1195.0	1325.6	1482.1	1703.5	1958.4	2154.7
45°	880.0	894.0	904.5	931.7	973.6	1033.0	1125.9	1276.7	1449.2	1704.2	1939.5
47.5°	801.8	800.4	809.5	831.1	861.2	908.7	977.1	1077.7	1243.2	1456.2	1702.8
50°	716.6	727.8	730.6	746.6	769.0	801.8	856.3	938.7	1068.6	1250.2	1472.3
52.5°	656.5	657.9	667.0	677.5	696.3	720.1	765.5	825.5	920.5	1068.6	1268.4
55°	597.9	597.9	605.5	614.6	625.8	648.8	680.3	727.8	805.3	925.4	1094.4
57.5°	543.4	546.2	553.2	555.3	565.0	581.1	608.3	646.0	705.4	802.5	942.2
60°	488.9	495.2	494.5	500.1	508.5	520.3	542.7	572.0	623.7	697.7	810.9
62.5°	441.4	439.3	439.3	446.3	454.7	465.9	478.4	502.9	544.8	608.3	700.5
65°	388.3	386.9	391.8	396.0	398.8	407.2	418.4	440.7	470.0	518.9	593.7
67.5°	342.2	338.0	341.5	342.9	347.8	354.8	366.0	379.9	403.7	444.9	505.0
70°	294.7	291.2	290.5	291.9	296.1	301.0	308.7	322.0	343.6	375.1	416.3
72.5°	245.8	243.8	243.8	247.2	248.6	251.4	256.3	268.2	284.3	305.9	343.6
75°	199.8	199.8	199.8	200.5	202.5	205.3	209.5	215.8	229.1	245.8	271.7
77.5°	157.8	158.5	157.1	156.4	159.9	161.3	162.0	169.0	176.7	189.3	209.5
80°	117.3	113.8	115.2	117.3	118.7	119.4	121.5	122.9	129.2	135.5	148.8
82.5°	79.6	76.8	76.8	80.3	80.3	81.0	83.1	85.2	86.6	92.2	97.8
85°	46.1	46.1	46.8	46.8	47.5	46.8	48.9	49.6	49.6	53.1	57.3
87.5°	21.0	19.6	20.3	21.0	20.3	21.0	21.7	22.3	23.0	23.7	24.4
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°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6
2.5°	1497.4	1491.9	1486.3	1476.5	1468.1	1456.2	1452.7	1448.5	1436.0	1424.8	1416.4
5°	1577.1	1560.3	1535.9	1513.5	1495.3	1470.9	1456.9	1442.3	1421.3	1402.5	1387.1
7.5°	1653.2	1623.9	1589.6	1552.6	1517.0	1482.8	1455.5	1431.1	1403.8	1377.3	1357.1
10°	1747.5	1700.0	1646.9	1589.6	1540.7	1493.2	1453.4	1418.5	1380.8	1348.0	1320.7
12.5°	1855.0	1778.9	1700.7	1628.0	1568.0	1497.4	1447.2	1400.4	1356.4	1315.1	1283.7
15°	1935.4	1846.0	1759.4	1663.7	1575.7	1493.2	1436.0	1380.1	1330.5	1290.0	1250.9
17.5°	2015.0	1917.2	1806.8	1691.6	1588.2	1493.2	1415.0	1355.0	1294.2	1245.3	1207.6
20°	2080.6	1965.4	1836.2	1715.3	1598.0	1489.1	1401.1	1325.6	1258.6	1206.2	1162.2
22.5°	2137.2	1997.5	1862.7	1731.4	1597.3	1477.9	1375.2	1297.0	1223.0	1172.0	1124.5
25°	2172.8	2011.5	1877.4	1725.8	1579.9	1458.3	1346.6	1258.6	1185.9	1125.9	1077.7
27.5°	2206.3	2009.4	1857.8	1694.4	1558.9	1438.1	1317.9	1223.7	1147.5	1082.6	1033.0
30°	2239.9	2012.9	1823.6	1662.3	1525.4	1399.7	1283.7	1188.7	1107.7	1041.4	995.3
32.5°	2260.8	2010.8	1792.2	1617.6	1472.3	1364.7	1246.7	1147.5	1063.7	998.8	954.8
35°	2266.4	1998.9	1755.2	1552.6	1414.3	1306.1	1207.6	1105.6	1018.3	957.6	907.3
37.5°	2254.5	1977.3	1714.7	1493.9	1344.5	1236.9	1151.0	1063.7	979.9	912.2	868.2
40°	2216.1	1956.3	1665.8	1431.1	1271.8	1169.2	1098.6	1013.4	931.0	867.5	826.9
42.5°	2142.8	1913.7	1612.0	1361.2	1196.4	1093.7	1030.2	962.4	885.6	826.9	786.4
45°	2014.3	1848.1	1558.2	1291.4	1122.4	1016.2	958.9	907.3	836.7	778.8	743.8
47.5°	1850.1	1759.4	1480.7	1218.1	1044.9	942.2	882.1	839.5	784.3	737.5	703.3
50°	1677.6	1644.8	1401.8	1142.6	967.3	867.5	810.2	772.5	735.4	688.7	657.9
52.5°	1478.6	1512.1	1309.6	1064.4	888.4	790.6	737.5	709.6	676.8	640.5	614.6
55°	1294.2	1367.5	1200.6	975.0	810.2	716.6	665.6	639.1	619.5	590.9	567.8
57.5°	1115.4	1209.0	1087.5	884.9	733.4	651.6	601.4	571.3	558.7	542.7	523.8
60°	959.6	1051.8	964.5	794.1	655.8	579.0	535.7	511.3	498.7	488.2	472.8
62.5°	820.7	914.2	844.4	701.9	579.7	509.9	473.5	449.8	440.7	436.5	423.9
65°	695.6	776.0	727.1	605.5	507.8	444.9	410.7	393.9	384.8	382.7	374.4
67.5°	587.4	649.5	611.8	520.3	440.7	383.4	353.4	338.7	331.1	330.4	323.4
70°	481.2	538.5	511.3	430.2	363.9	321.3	296.1	283.6	279.4	278.7	275.2
72.5°	398.8	434.4	414.2	349.9	302.4	264.7	247.9	234.7	229.8	231.2	229.1
75°	307.3	337.3	324.8	278.0	236.8	211.6	196.3	187.9	183.7	185.8	183.0
77.5°	234.7	255.6	243.1	207.4	180.9	162.0	150.2	144.6	140.4	140.4	139.0
80°	166.9	178.1	171.8	152.3	131.3	115.9	106.9	103.4	101.3	100.6	99.9
82.5°	106.9	115.9	108.3	96.4	83.8	76.1	71.9	67.0	65.7	66.4	65.7
85°	60.1	63.6	60.8	52.4	46.8	42.6	39.8	37.7	36.3	37.0	35.6
87.5°	25.8	26.5	24.4	21.7	20.3	18.2	18.2	16.8	15.4	15.4	14.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6
2.5°	1411.5	1406.6	1399.7	1389.2	1380.8	1367.5	1367.5	1369.6	1369.6	1368.9	1367.5
5°	1374.5	1364.0	1351.5	1336.8	1321.4	1306.1	1303.3	1297.7	1293.5	1290.7	1287.2
7.5°	1336.8	1319.3	1301.9	1281.6	1264.2	1249.5	1239.0	1229.9	1224.4	1218.1	1213.2
10°	1298.4	1275.3	1253.7	1232.0	1208.3	1189.4	1177.6	1169.2	1162.9	1157.3	1154.5
12.5°	1253.0	1225.7	1201.3	1181.0	1154.5	1135.0	1123.8	1121.0	1113.3	1100.0	1093.0
15°	1209.0	1184.5	1155.9	1124.5	1111.9	1088.2	1074.9	1068.6	1064.4	1055.3	1052.5
17.5°	1172.7	1139.8	1107.0	1084.0	1060.9	1042.1	1034.4	1026.0	1020.4	1012.0	1009.9
20°	1127.3	1098.6	1069.3	1044.2	1019.7	998.8	992.5	986.9	981.3	977.8	975.0
22.5°	1081.2	1052.5	1029.5	1006.4	979.9	968.0	961.0	954.8	951.3	949.2	946.4
25°	1038.6	1013.4	986.2	965.2	944.3	935.2	931.0	927.5	924.7	921.2	920.5
27.5°	1000.9	972.9	949.9	929.6	914.2	906.6	901.7	899.6	899.6	901.0	901.7
30°	957.6	932.4	914.2	897.5	883.5	876.5	875.8	875.8	878.6	879.3	880.7
32.5°	917.7	898.2	880.0	864.0	854.2	850.0	853.5	853.5	855.6	857.7	860.5
35°	879.3	861.2	847.2	833.2	824.1	826.2	827.6	829.0	832.5	836.7	839.5
37.5°	843.0	826.2	811.6	800.4	794.8	799.0	802.5	805.3	809.5	813.0	815.8
40°	803.2	791.3	777.4	767.6	769.0	771.1	773.9	777.4	780.8	782.9	785.7
42.5°	766.2	753.6	743.8	736.1	738.2	741.0	742.4	743.8	748.0	752.2	753.6
45°	728.5	718.7	708.9	704.0	705.4	706.8	708.2	710.3	713.8	716.6	717.3
47.5°	685.9	678.9	672.6	667.0	669.8	669.1	671.2	675.4	676.8	678.2	682.4
50°	645.4	639.1	631.4	630.0	630.0	630.0	630.7	636.3	636.3	639.1	641.9
52.5°	600.7	597.2	593.0	590.2	588.8	588.8	592.3	594.4	595.8	600.0	602.7
55°	556.7	552.5	548.3	546.2	544.8	546.2	551.8	553.2	556.7	558.7	560.8
57.5°	510.6	507.8	504.3	502.9	502.9	503.6	507.8	511.3	512.0	518.9	521.7
60°	465.2	460.3	457.5	457.5	456.1	462.4	461.0	467.9	469.3	473.5	478.4
62.5°	418.4	411.4	410.7	410.7	413.5	414.2	417.0	419.1	423.2	428.8	432.3
65°	367.4	363.9	368.8	368.1	366.7	370.9	370.9	374.4	378.6	383.4	391.1
67.5°	319.9	317.1	318.5	317.8	319.9	322.7	324.8	327.6	332.5	338.0	342.9
70°	271.7	273.8	270.3	273.1	275.2	275.9	277.3	281.5	287.1	290.5	296.1
72.5°	224.9	224.2	225.6	226.3	228.4	229.8	231.2	236.1	242.4	245.1	249.3
75°	180.2	179.5	181.6	181.6	185.1	186.5	187.9	190.0	195.6	199.8	203.2
77.5°	139.7	140.4	139.7	142.5	141.1	141.8	146.0	148.1	148.8	157.8	159.2
80°	99.2	100.6	101.3	102.0	102.7	101.3	106.2	108.3	108.3	113.1	116.6
82.5°	64.3	65.0	67.0	67.7	67.7	69.8	69.1	70.5	72.6	74.0	78.9
85°	35.6	37.7	38.4	37.7	38.4	37.0	39.1	39.8	40.5	40.5	40.5
87.5°	14.0	14.7	14.0	14.7	14.0	14.7	14.7	13.3	13.3	15.4	12.6
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: P242465

CATALOG NUMBER: S123DRP-S1165D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1441.6	1441.6	1441.6	1441.6
2.5°	1362.6	1361.9	1366.8	1363.3
5°	1283.0	1285.1	1278.1	1278.1
7.5°	1211.1	1208.3	1209.0	1204.1
10°	1146.1	1141.9	1140.5	1141.2
12.5°	1092.3	1092.3	1081.2	1081.2
15°	1052.5	1039.3	1037.9	1042.1
17.5°	1008.5	1000.9	1001.6	1000.2
20°	975.0	970.8	970.1	965.2
22.5°	944.3	943.6	944.3	938.7
25°	919.8	923.3	920.5	920.5
27.5°	903.1	903.1	901.0	901.0
30°	883.5	882.8	884.2	884.2
32.5°	864.0	865.4	865.4	866.1
35°	843.7	844.4	846.5	845.1
37.5°	817.2	820.7	820.0	821.4
40°	786.4	788.5	787.8	787.8
42.5°	755.0	756.4	754.3	752.9
45°	720.1	718.7	720.8	718.0
47.5°	681.7	682.4	683.1	685.9
50°	643.3	647.4	647.4	646.7
52.5°	605.5	606.9	610.4	610.4
55°	566.4	567.8	569.2	569.9
57.5°	526.6	525.9	528.7	529.4
60°	484.0	484.0	489.6	491.7
62.5°	438.6	441.4	447.0	442.8
65°	394.6	400.2	399.5	402.3
67.5°	348.5	352.0	357.6	357.6
70°	301.7	305.2	308.0	310.1
72.5°	256.3	257.7	265.4	261.2
75°	208.1	213.0	217.2	215.1
77.5°	162.0	168.3	169.7	167.6
80°	121.5	120.8	125.0	124.3
82.5°	81.0	80.3	81.7	82.4
85°	43.3	45.4	42.6	41.9
87.5°	12.6	12.6	11.9	11.2
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242465
 CATALOG NUMBER: S123DRP-S1165D830-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	20.32	21.88	20.69	22.19	22.51	20.88	22.43	21.24	22.75	23.06
	3H	21.87	23.27	22.25	23.60	23.96	22.21	23.61	22.59	23.94	24.30
	4H	22.44	23.75	22.84	24.10	24.48	22.67	23.98	23.07	24.33	24.71
	6H	22.83	24.05	23.25	24.42	24.81	22.96	24.18	23.38	24.54	24.94
	8H	22.95	24.10	23.37	24.49	24.89	23.04	24.19	23.46	24.58	24.98
	12H	23.01	24.12	23.44	24.51	24.93	23.07	24.18	23.50	24.56	24.99
4H	2H	21.48	22.79	21.87	23.14	23.52	21.64	22.95	22.04	23.30	23.68
	3H	23.07	24.16	23.48	24.56	24.96	23.45	24.54	23.86	24.94	25.34
	4H	23.69	24.68	24.12	25.09	25.53	24.01	25.00	24.44	25.41	25.85
	6H	24.16	25.02	24.62	25.46	25.92	24.38	25.23	24.83	25.68	26.13
	8H	24.30	25.10	24.76	25.55	26.01	24.47	25.27	24.93	25.71	26.18
	12H	24.39	25.11	24.88	25.59	26.06	24.52	25.24	25.00	25.71	26.18
8H	4H	24.18	24.98	24.64	25.42	25.89	24.32	25.12	24.78	25.56	26.03
	6H	24.72	25.39	25.22	25.88	26.35	24.83	25.49	25.32	25.98	26.46
	8H	24.91	25.51	25.42	26.01	26.50	24.97	25.57	25.48	26.08	26.56
	12H	25.06	25.58	25.56	26.07	26.64	25.07	25.59	25.58	26.09	26.65
12H	4H	24.23	24.95	24.71	25.42	25.89	24.33	25.05	24.81	25.52	25.99
	6H	24.80	25.40	25.31	25.90	26.39	24.86	25.46	25.37	25.96	26.45
	8H	25.04	25.56	25.55	26.05	26.62	25.06	25.59	25.57	26.08	26.65