

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: P242469

Luminaire Tested: S123DRP-S1000D835-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P242469  
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-S1000D835-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: -

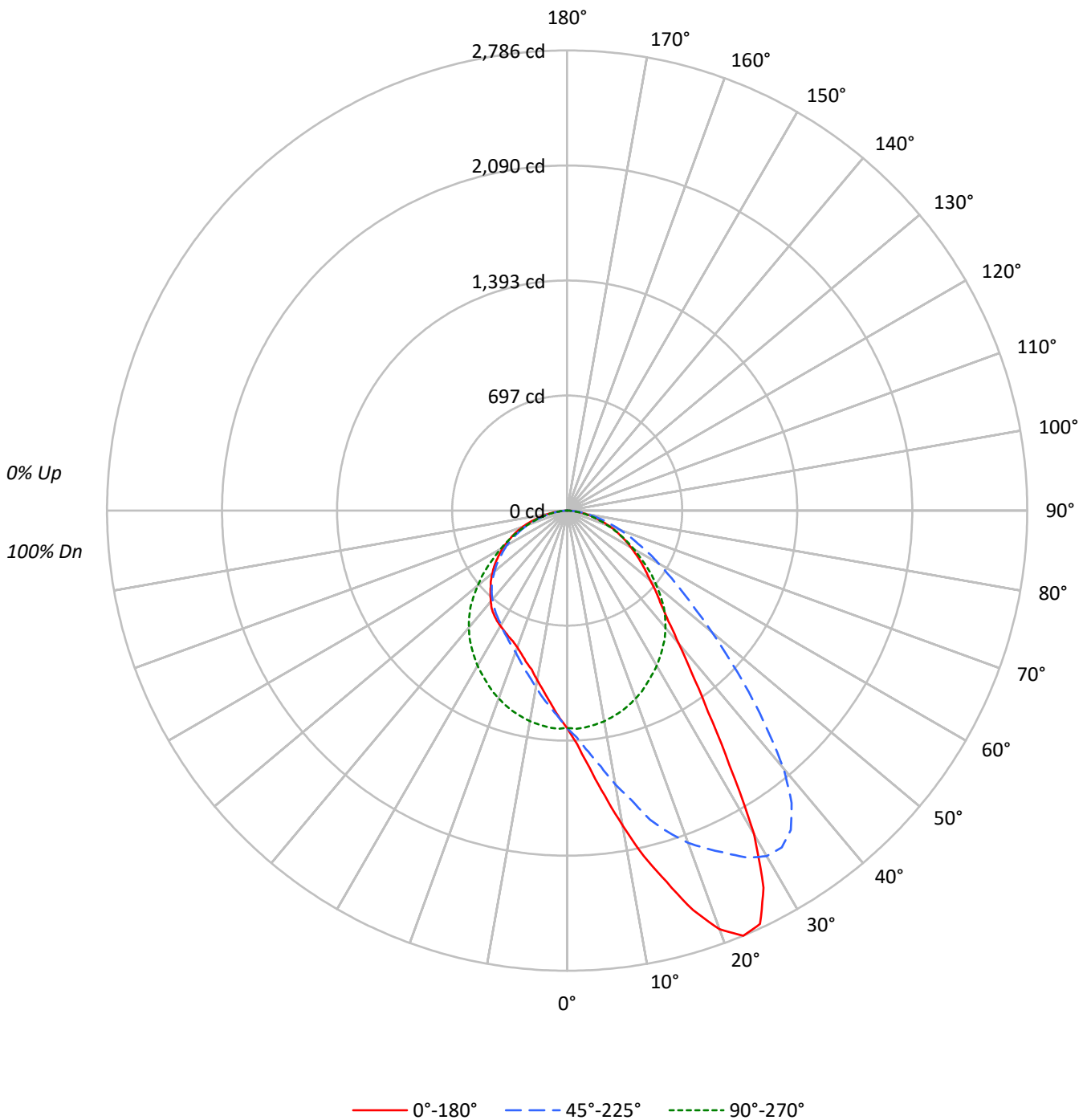
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3972.1 lumens  
Efficiency: N/A  
Efficacy: 114.1 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): 34.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	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	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53					53			
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47					47			
6	72	59	51	44	70	58	50	44	56	49	44	55	48	43	53	48	43	41					41			
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36					36			
8	62	49	41	35	61	49	41	35	47	40	35	46	39	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	43	36	32	42	36	31	41	36	31	29					29			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27					27			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	15952	15952	15952	15952	15952
5°	19023	17828	16020	14507	14197
10°	23810	20726	15939	13364	12823
15°	29204	24307	15810	12466	11938
20°	34789	27602	15611	11761	11367
25°	36941	30614	15367	11418	11240
30°	31663	33804	15189	11200	11298
35°	22021	34928	14935	11162	11416
40°	16586	32244	14640	11138	11380
45°	13772	26668	14197	11060	11235
50°	12336	21522	13298	10845	11133
55°	11534	17853	12329	10537	10995
60°	10819	15442	11314	10233	10882
65°	10168	13586	10314	9711	10535
70°	9537	12135	9175	8927	10033
75°	8542	10509	8032	7971	9198
80°	7476	8635	6589	6457	7923
85°	5855	6745	4784	4701	5327

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 55°  
 Vertical Angle: 45°  
 Luminance: 31521 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.4	3.3
10°-20°	415.7	10.5
20°-30°	699.5	17.6
30°-40°	790.5	19.9
40°-50°	708.1	17.8
50°-60°	571.5	14.4
60°-70°	398.2	10.0
70°-80°	209.0	5.3
80°-90°	50.1	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°	1244.6	31.3
0°-40°	2035.1	51.2
0°-60°	3314.7	83.5
0°-90°	3972.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3972.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1316	1316	1316	1316	1316	
5°	1563	1465	1317	1192	1167	161
15°	2327	1937	1260	993	951	672
25°	2762	2289	1149	854	840	1221
35°	1488	2360	1009	754	772	960
45°	803	1556	828	645	655	634
55°	546	845	583	499	520	490
65°	354	474	360	339	367	353
75°	182	224	172	170	196	195
85°	42	48	34	34	38	51
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°	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0
2.5°	1416.7	1415.5	1412.3	1414.8	1409.7	1402.7	1402.1	1395.7	1377.2	1375.9	1370.8
5°	1563.4	1558.3	1557.6	1557.0	1548.1	1536.0	1513.0	1511.1	1480.5	1465.2	1446.7
7.5°	1740.6	1738.7	1733.6	1727.9	1697.9	1683.3	1661.6	1633.5	1597.8	1563.4	1541.7
10°	1934.5	1955.5	1929.4	1911.5	1894.9	1863.7	1827.4	1782.1	1736.8	1683.9	1643.7
12.5°	2142.3	2150.0	2150.0	2133.4	2105.3	2053.7	1982.3	1931.3	1890.5	1793.6	1759.1
15°	2327.2	2366.1	2341.3	2283.9	2285.1	2239.9	2155.7	2063.3	2014.2	1937.0	1831.8
17.5°	2536.4	2543.4	2535.7	2482.2	2456.0	2390.4	2314.5	2228.4	2136.0	2042.2	1933.2
20°	2697.0	2693.2	2670.9	2646.0	2591.2	2542.7	2457.9	2359.1	2231.6	2139.8	2018.0
22.5°	2786.3	2779.3	2771.6	2751.9	2708.5	2655.6	2581.6	2471.3	2351.5	2216.3	2070.9
25°	2762.1	2770.4	2771.6	2765.9	2750.0	2718.7	2658.8	2572.7	2451.6	2289.0	2142.3
27.5°	2574.6	2595.7	2622.4	2640.3	2669.0	2688.1	2669.0	2614.8	2515.3	2369.9	2189.5
30°	2262.2	2236.7	2299.8	2379.5	2433.7	2529.3	2582.9	2586.1	2535.7	2415.2	2240.5
32.5°	1828.6	1870.1	1889.2	1991.9	2126.4	2236.7	2356.6	2463.0	2487.9	2417.8	2270.5
35°	1488.2	1523.2	1574.2	1625.2	1752.8	1862.4	2049.9	2213.1	2343.2	2360.4	2266.7
37.5°	1236.9	1257.3	1288.6	1342.8	1430.1	1565.9	1714.5	1926.8	2106.0	2232.2	2219.5
40°	1048.2	1053.3	1089.7	1128.5	1196.1	1303.2	1434.0	1616.3	1842.0	2037.8	2119.4
42.5°	906.7	919.4	929.6	966.6	1017.0	1090.9	1210.2	1353.0	1555.1	1787.8	1967.0
45°	803.4	816.1	825.7	850.6	888.8	943.0	1027.8	1165.5	1323.0	1555.7	1770.6
47.5°	732.0	730.7	739.0	758.7	786.2	829.5	892.0	983.8	1134.9	1329.4	1554.5
50°	654.2	664.4	666.9	681.6	702.0	732.0	781.7	856.9	975.5	1141.3	1344.1
52.5°	599.3	600.6	608.9	618.5	635.7	657.4	698.8	753.6	840.4	975.5	1157.9
55°	545.8	545.8	552.8	561.1	571.3	592.3	621.0	664.4	735.1	844.8	999.1
57.5°	496.1	498.6	505.0	506.9	515.8	530.5	555.3	589.8	644.0	732.6	860.1
60°	446.3	452.1	451.4	456.5	464.2	475.0	495.4	522.2	569.4	637.0	740.3
62.5°	403.0	401.0	401.0	407.4	415.1	425.3	436.8	459.1	497.3	555.3	639.5
65°	354.5	353.2	357.7	361.5	364.1	371.7	381.9	402.3	429.1	473.7	542.0
67.5°	312.4	308.6	311.8	313.1	317.5	323.9	334.1	346.9	368.5	406.1	461.0
70°	269.1	265.9	265.2	266.5	270.3	274.8	281.8	293.9	313.7	342.4	380.0
72.5°	224.4	222.5	222.5	225.7	227.0	229.5	234.0	244.8	259.5	279.3	313.7
75°	182.4	182.4	182.4	183.0	184.9	187.5	191.3	197.0	209.1	224.4	248.0
77.5°	144.1	144.7	143.5	142.8	146.0	147.3	147.9	154.3	161.3	172.8	191.3
80°	107.1	103.9	105.2	107.1	108.4	109.0	110.9	112.2	118.0	123.7	135.8
82.5°	72.7	70.1	70.1	73.3	73.3	74.0	75.9	77.8	79.1	84.2	89.3
85°	42.1	42.1	42.7	42.7	43.4	42.7	44.6	45.3	45.3	48.5	52.3
87.5°	19.1	17.9	18.5	19.1	18.5	19.1	19.8	20.4	21.0	21.7	22.3
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°	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0
2.5°	1367.0	1361.9	1356.8	1347.9	1340.2	1329.4	1326.2	1322.4	1310.9	1300.7	1293.0
5°	1439.7	1424.4	1402.1	1381.7	1365.1	1342.8	1330.0	1316.6	1297.5	1280.3	1266.3
7.5°	1509.2	1482.4	1451.2	1417.4	1384.9	1353.6	1328.8	1306.4	1281.6	1257.3	1238.9
10°	1595.3	1551.9	1503.5	1451.2	1406.5	1363.2	1326.8	1295.0	1260.5	1230.6	1205.7
12.5°	1693.5	1624.0	1552.5	1486.2	1431.4	1367.0	1321.1	1278.4	1238.2	1200.6	1171.9
15°	1766.8	1685.2	1606.1	1518.8	1438.4	1363.2	1310.9	1259.9	1214.6	1177.6	1141.9
17.5°	1839.5	1750.2	1649.5	1544.3	1449.9	1363.2	1291.8	1236.9	1181.5	1136.8	1102.4
20°	1899.4	1794.2	1676.2	1565.9	1458.8	1359.4	1279.0	1210.2	1149.0	1101.1	1061.0
22.5°	1951.0	1823.5	1700.5	1580.6	1458.2	1349.2	1255.4	1184.0	1116.4	1069.9	1026.5
25°	1983.6	1836.3	1713.9	1575.5	1442.2	1331.3	1229.3	1149.0	1082.6	1027.8	983.8
27.5°	2014.2	1834.4	1696.0	1546.8	1423.1	1312.8	1203.1	1117.1	1047.6	988.3	943.0
30°	2044.8	1837.6	1664.8	1517.5	1392.5	1277.7	1171.9	1085.2	1011.2	950.7	908.6
32.5°	2063.9	1835.6	1636.1	1476.7	1344.1	1245.9	1138.1	1047.6	971.1	911.8	871.6
35°	2069.0	1824.8	1602.3	1417.4	1291.1	1192.3	1102.4	1009.3	929.6	874.1	828.2
37.5°	2058.2	1805.0	1565.3	1363.8	1227.4	1129.2	1050.8	971.1	894.5	832.7	792.5
40°	2023.1	1785.9	1520.7	1306.4	1161.1	1067.3	1002.9	925.2	849.9	791.9	754.9
42.5°	1956.1	1747.0	1471.6	1242.7	1092.2	998.5	940.5	878.6	808.5	754.9	717.9
45°	1838.8	1687.1	1422.5	1178.9	1024.6	927.7	875.4	828.2	763.8	710.9	679.0
47.5°	1689.0	1606.1	1351.7	1112.0	953.8	860.1	805.3	766.4	716.0	673.3	642.1
50°	1531.5	1501.5	1279.7	1043.1	883.1	791.9	739.6	705.2	671.4	628.7	600.6
52.5°	1349.8	1380.4	1195.5	971.7	811.0	721.8	673.3	647.8	617.8	584.7	561.1
55°	1181.5	1248.4	1096.0	890.1	739.6	654.2	607.6	583.4	565.5	539.4	518.4
57.5°	1018.2	1103.7	992.7	807.8	669.5	594.9	549.0	521.6	510.1	495.4	478.2
60°	876.1	960.2	880.5	724.9	598.7	528.6	489.0	466.7	455.2	445.7	431.7
62.5°	749.2	834.6	770.9	640.8	529.2	465.4	432.3	410.6	402.3	398.5	387.0
65°	635.0	708.4	663.7	552.8	463.5	406.1	374.9	359.6	351.3	349.4	341.8
67.5°	536.2	593.0	558.5	475.0	402.3	350.0	322.6	309.2	302.2	301.6	295.2
70°	439.3	491.6	466.7	392.8	332.2	293.3	270.3	258.9	255.0	254.4	251.2
72.5°	364.1	396.6	378.1	319.4	276.1	241.6	226.3	214.2	209.8	211.0	209.1
75°	280.5	308.0	296.5	253.8	216.1	193.2	179.2	171.5	167.7	169.6	167.1
77.5°	214.2	233.4	221.9	189.4	165.1	147.9	137.1	132.0	128.2	128.2	126.9
80°	152.4	162.6	156.8	139.0	119.9	105.8	97.6	94.4	92.5	91.8	91.2
82.5°	97.6	105.8	98.8	88.0	76.5	69.5	65.7	61.2	59.9	60.6	59.9
85°	54.8	58.0	55.5	47.8	42.7	38.9	36.3	34.4	33.2	33.8	32.5
87.5°	23.6	24.2	22.3	19.8	18.5	16.6	16.6	15.3	14.0	14.0	13.4
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0	1316.0
2.5°	1288.6	1284.1	1277.7	1268.2	1260.5	1248.4	1248.4	1250.3	1250.3	1249.7	1248.4
5°	1254.8	1245.2	1233.8	1220.4	1206.3	1192.3	1189.8	1184.7	1180.8	1178.3	1175.1
7.5°	1220.4	1204.4	1188.5	1170.0	1154.1	1140.7	1131.1	1122.8	1117.7	1112.0	1107.5
10°	1185.3	1164.3	1144.5	1124.7	1103.0	1085.8	1075.0	1067.3	1061.6	1056.5	1053.9
12.5°	1143.8	1119.0	1096.7	1078.2	1053.9	1036.1	1025.9	1023.3	1016.3	1004.2	997.8
15°	1103.7	1081.4	1055.2	1026.5	1015.1	993.4	981.3	975.5	971.7	963.4	960.9
17.5°	1070.5	1040.6	1010.6	989.6	968.5	951.3	944.3	936.6	931.5	923.9	922.0
20°	1029.1	1002.9	976.2	953.2	930.9	911.8	906.0	900.9	895.8	892.6	890.1
22.5°	987.0	960.9	939.8	918.8	894.5	883.7	877.3	871.6	868.4	866.5	863.9
25°	948.1	925.2	900.3	881.2	862.0	853.7	849.9	846.7	844.2	841.0	840.4
27.5°	913.7	888.2	867.1	848.6	834.6	827.6	823.1	821.2	821.2	822.5	823.1
30°	874.1	851.2	834.6	819.3	806.6	800.2	799.5	799.5	802.1	802.7	804.0
32.5°	837.8	819.9	803.4	788.7	779.8	776.0	779.1	779.1	781.1	783.0	785.5
35°	802.7	786.2	773.4	760.7	752.4	754.3	755.6	756.8	760.0	763.8	766.4
37.5°	769.6	754.3	740.9	730.7	725.6	729.4	732.6	735.1	739.0	742.2	744.7
40°	733.2	722.4	709.6	700.7	702.0	703.9	706.5	709.6	712.8	714.7	717.3
42.5°	699.4	688.0	679.0	672.0	673.9	676.5	677.8	679.0	682.9	686.7	688.0
45°	665.0	656.1	647.2	642.7	644.0	645.2	646.5	648.4	651.6	654.2	654.8
47.5°	626.1	619.7	614.0	608.9	611.5	610.8	612.7	616.6	617.8	619.1	622.9
50°	589.1	583.4	576.4	575.1	575.1	575.1	575.8	580.9	580.9	583.4	586.0
52.5°	548.3	545.1	541.3	538.8	537.5	537.5	540.7	542.6	543.9	547.7	550.2
55°	508.2	504.3	500.5	498.6	497.3	498.6	503.7	505.0	508.2	510.1	512.0
57.5°	466.1	463.5	460.3	459.1	459.1	459.7	463.5	466.7	467.4	473.7	476.3
60°	424.6	420.2	417.6	417.6	416.4	422.1	420.8	427.2	428.5	432.3	436.8
62.5°	381.9	375.5	374.9	374.9	377.5	378.1	380.6	382.6	386.4	391.5	394.7
65°	335.4	332.2	336.7	336.0	334.7	338.6	338.6	341.8	345.6	350.0	357.1
67.5°	292.0	289.5	290.7	290.1	292.0	294.6	296.5	299.0	303.5	308.6	313.1
70°	248.0	249.9	246.8	249.3	251.2	251.9	253.1	257.0	262.1	265.2	270.3
72.5°	205.3	204.7	205.9	206.6	208.5	209.8	211.0	215.5	221.2	223.8	227.6
75°	164.5	163.9	165.8	165.8	169.0	170.2	171.5	173.4	178.5	182.4	185.5
77.5°	127.5	128.2	127.5	130.1	128.8	129.4	133.3	135.2	135.8	144.1	145.4
80°	90.5	91.8	92.5	93.1	93.7	92.5	96.9	98.8	98.8	103.3	106.5
82.5°	58.7	59.3	61.2	61.8	61.8	63.8	63.1	64.4	66.3	67.6	72.0
85°	32.5	34.4	35.1	34.4	35.1	33.8	35.7	36.3	37.0	37.0	37.0
87.5°	12.8	13.4	12.8	13.4	12.8	13.4	13.4	12.1	12.1	14.0	11.5
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: P242469

CATALOG NUMBER: S123DRP-S1000D835-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1316.0	1316.0	1316.0	1316.0
2.5°	1244.0	1243.3	1247.8	1244.6
5°	1171.3	1173.2	1166.8	1166.8
7.5°	1105.6	1103.0	1103.7	1099.2
10°	1046.3	1042.5	1041.2	1041.8
12.5°	997.2	997.2	987.0	987.0
15°	960.9	948.7	947.5	951.3
17.5°	920.7	913.7	914.3	913.0
20°	890.1	886.3	885.6	881.2
22.5°	862.0	861.4	862.0	856.9
25°	839.7	842.9	840.4	840.4
27.5°	824.4	824.4	822.5	822.5
30°	806.6	805.9	807.2	807.2
32.5°	788.7	790.0	790.0	790.6
35°	770.2	770.9	772.8	771.5
37.5°	746.0	749.2	748.5	749.8
40°	717.9	719.8	719.2	719.2
42.5°	689.2	690.5	688.6	687.3
45°	657.4	656.1	658.0	655.4
47.5°	622.3	622.9	623.6	626.1
50°	587.2	591.1	591.1	590.4
52.5°	552.8	554.1	557.3	557.3
55°	517.1	518.4	519.6	520.3
57.5°	480.7	480.1	482.7	483.3
60°	441.9	441.9	447.0	448.9
62.5°	400.4	403.0	408.1	404.2
65°	360.2	365.3	364.7	367.3
67.5°	318.2	321.3	326.4	326.4
70°	275.4	278.6	281.2	283.1
72.5°	234.0	235.3	242.3	238.5
75°	190.0	194.5	198.3	196.4
77.5°	147.9	153.7	154.9	153.0
80°	110.9	110.3	114.1	113.5
82.5°	74.0	73.3	74.6	75.2
85°	39.5	41.4	38.9	38.3
87.5°	11.5	11.5	10.8	10.2
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P242469  
 CATALOG NUMBER: S123DRP-S1000D835-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	20.01	21.56	20.37	21.88	22.19	20.56	22.12	20.92	22.43	22.74
	3H	21.55	22.95	21.93	23.28	23.64	21.89	23.29	22.27	23.62	23.98
	4H	22.12	23.43	22.52	23.78	24.16	22.35	23.67	22.75	24.02	24.39
	6H	22.52	23.73	22.93	24.10	24.49	22.65	23.86	23.06	24.23	24.62
	8H	22.63	23.79	23.06	24.18	24.58	22.72	23.88	23.15	24.27	24.67
	12H	22.70	23.81	23.13	24.19	24.62	22.76	23.86	23.19	24.25	24.67
4H	2H	21.16	22.47	21.56	22.82	23.20	21.32	22.64	21.72	22.98	23.36
	3H	22.75	23.85	23.16	24.25	24.65	23.13	24.22	23.54	24.62	25.02
	4H	23.37	24.36	23.81	24.78	25.21	23.70	24.68	24.13	25.10	25.53
	6H	23.85	24.71	24.30	25.15	25.61	24.06	24.92	24.52	25.36	25.82
	8H	23.98	24.79	24.45	25.23	25.70	24.15	24.95	24.61	25.39	25.86
	12H	24.08	24.80	24.56	25.27	25.74	24.20	24.92	24.68	25.40	25.87
8H	4H	23.86	24.66	24.32	25.10	25.57	24.00	24.80	24.46	25.24	25.71
	6H	24.41	25.07	24.90	25.56	26.04	24.51	25.17	25.00	25.66	26.14
	8H	24.60	25.19	25.11	25.70	26.19	24.66	25.25	25.17	25.76	26.25
	12H	24.74	25.26	25.25	25.76	26.32	24.75	25.28	25.26	25.77	26.33
12H	4H	23.91	24.63	24.39	25.11	25.58	24.01	24.73	24.49	25.21	25.68
	6H	24.48	25.08	25.00	25.59	26.08	24.54	25.14	25.05	25.65	26.13
	8H	24.72	25.25	25.23	25.74	26.30	24.75	25.27	25.26	25.76	26.33