

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: P243349

Luminaire Tested: S123DRP-H1000D940-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P243349  
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-H1000D940-X4F0-XX-UDD-A-W  
Description: DEFINE 3 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.  
HIGH PERFORMANCE LIGHT ENGINE  
Light Source: (184) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

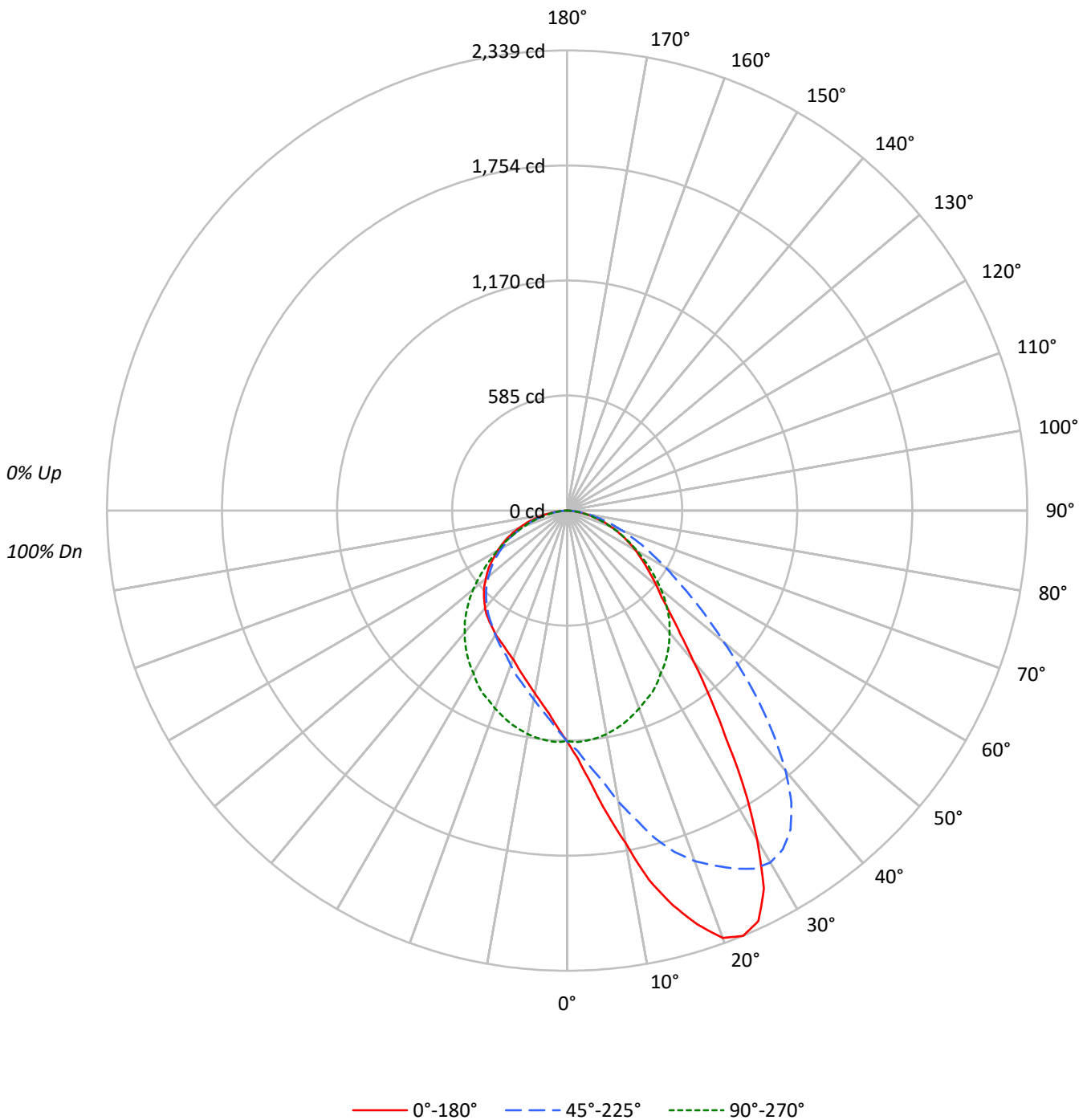
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3533.4 lumens  
Efficiency: N/A  
Efficacy: 112.2 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): 31.5  
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					85			
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	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	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53					53			
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	49	46					46			
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41					41			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36					36			
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33					33			
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29					29			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	33	28	27					27			

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

	0°	45°	90°	135°	180°
0°	14211	14211	14211	14211	14211
5°	16930	15832	14279	12913	12619
10°	21143	18493	14193	11992	11602
15°	26056	21638	14038	11310	10886
20°	29816	24450	13814	10795	10359
25°	30772	26858	13663	10417	10166
30°	27034	28912	13336	10210	10173
35°	20749	29287	13139	10080	10183
40°	15782	27334	12818	10049	10261
45°	12699	23704	12404	9994	10251
50°	11175	19608	11742	9819	10164
55°	10300	16403	10879	9666	10097
60°	9709	14002	9956	9343	9891
65°	9023	12164	9101	8977	9700
70°	8258	10597	8162	8258	9285
75°	7343	9053	7114	7390	8650
80°	6143	7455	5884	6331	7567
85°	4325	5521	4256	4784	5674

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 55°  
 Vertical Angle: 45°  
 Luminance: 26613 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.3	3.3
10°-20°	370.3	10.5
20°-30°	611.6	17.3
30°-40°	700.0	19.8
40°-50°	634.4	18.0
50°-60°	512.6	14.5
60°-70°	357.1	10.1
70°-80°	187.3	5.3
80°-90°	44.7	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°	1097.3	31.1
0°-40°	1797.4	50.9
0°-60°	2944.3	83.3
0°-90°	3533.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3533.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1172	1172	1172	1172	1172	
5°	1391	1301	1174	1061	1037	143
15°	2076	1724	1119	901	868	591
25°	2301	2008	1022	779	760	1028
35°	1402	1979	888	681	688	888
45°	741	1383	724	583	598	584
55°	487	776	515	457	478	438
65°	315	424	317	313	338	312
75°	157	193	152	158	185	167
85°	31	40	31	34	41	40
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°	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4
2.5°	1262.6	1265.3	1261.0	1263.7	1257.2	1253.5	1247.6	1244.9	1232.0	1222.9	1219.6
5°	1391.4	1391.4	1392.5	1386.1	1378.5	1365.1	1347.4	1336.1	1323.3	1301.2	1290.0
7.5°	1553.5	1545.5	1540.1	1528.3	1518.1	1496.1	1476.8	1453.7	1423.6	1387.1	1367.8
10°	1717.8	1726.4	1721.0	1708.7	1682.4	1646.4	1618.0	1584.7	1538.0	1502.5	1452.1
12.5°	1922.9	1911.6	1903.0	1884.2	1855.2	1817.1	1773.1	1723.7	1663.6	1605.1	1548.7
15°	2076.4	2078.0	2077.5	2052.8	2024.3	1972.8	1932.0	1849.9	1773.6	1724.3	1630.8
17.5°	2206.3	2213.3	2205.2	2168.2	2143.0	2112.4	2060.3	1969.0	1899.8	1819.8	1716.7
20°	2311.5	2312.6	2299.7	2272.3	2243.4	2209.0	2140.3	2070.5	2002.9	1895.5	1797.3
22.5°	2339.4	2342.1	2339.4	2327.6	2304.0	2267.5	2216.0	2151.6	2066.2	1951.9	1860.6
25°	2300.8	2299.2	2308.3	2301.3	2300.3	2288.4	2254.6	2202.6	2118.3	2008.2	1892.3
27.5°	2165.5	2154.2	2177.3	2207.4	2211.7	2230.5	2231.0	2206.9	2146.2	2052.2	1926.1
30°	1931.5	1942.2	1953.5	2016.3	2051.2	2100.0	2142.4	2158.0	2134.9	2065.7	1947.6
32.5°	1677.0	1711.4	1743.0	1786.5	1837.5	1920.2	1987.3	2046.3	2071.6	2041.0	1947.6
35°	1402.2	1420.4	1470.3	1525.6	1599.2	1663.6	1796.7	1882.6	1959.4	1979.2	1922.9
37.5°	1187.4	1204.1	1221.3	1264.2	1346.9	1454.2	1564.3	1677.0	1790.8	1872.4	1869.2
40°	997.4	1001.2	1016.2	1053.2	1121.9	1217.5	1332.9	1468.7	1616.4	1727.5	1774.2
42.5°	851.4	851.4	870.2	913.1	952.8	1022.6	1134.3	1254.0	1415.6	1558.4	1658.2
45°	740.8	741.9	756.9	787.5	818.6	873.4	956.1	1068.8	1235.2	1382.8	1521.9
47.5°	650.6	660.8	669.4	685.5	716.6	765.0	825.1	921.2	1039.8	1200.9	1363.0
50°	592.6	594.8	601.2	610.9	635.1	666.7	718.8	791.8	897.0	1039.8	1203.5
52.5°	535.7	535.7	542.2	554.0	568.0	593.7	631.3	692.0	770.9	900.2	1047.3
55°	487.4	489.0	490.1	499.8	511.6	530.9	560.4	600.2	672.6	776.2	904.5
57.5°	440.2	446.1	444.5	452.0	460.6	474.5	495.5	529.8	585.1	664.0	779.5
60°	400.5	399.4	402.1	405.3	411.2	420.9	440.2	465.4	511.6	577.6	672.1
62.5°	355.4	354.3	357.5	361.3	366.6	374.7	388.7	408.0	444.5	493.9	576.0
65°	314.6	313.5	315.1	317.3	323.2	329.6	340.3	356.4	380.6	424.1	486.9
67.5°	273.8	273.8	274.8	277.0	280.8	285.6	294.2	303.8	328.0	357.0	406.4
70°	233.0	233.5	233.5	235.7	238.9	242.6	249.6	258.2	273.2	299.0	338.7
72.5°	197.5	197.5	196.5	197.5	199.7	201.3	205.6	213.7	224.9	243.7	273.8
75°	156.8	159.4	158.9	158.4	160.0	162.7	166.4	172.9	179.8	193.3	215.8
77.5°	120.2	121.9	121.9	122.4	124.0	126.2	127.2	133.7	140.1	148.2	164.8
80°	88.0	89.1	88.0	88.6	89.6	91.8	93.9	95.0	99.8	106.8	114.9
82.5°	59.0	57.4	59.6	59.0	60.1	60.7	61.7	62.3	65.5	69.8	75.2
85°	31.1	33.8	33.3	34.4	33.3	33.8	34.4	36.5	37.0	39.7	42.9
87.5°	11.8	12.9	12.9	12.9	12.9	12.9	14.0	14.5	15.6	16.1	17.2
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°	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4
2.5°	1221.8	1217.0	1210.0	1202.5	1194.4	1186.4	1182.6	1177.8	1168.1	1158.4	1150.9
5°	1280.8	1267.4	1249.2	1235.8	1216.4	1198.2	1183.7	1173.5	1157.9	1139.1	1126.8
7.5°	1346.9	1322.7	1293.7	1264.2	1235.2	1207.8	1185.3	1166.0	1141.8	1118.7	1099.9
10°	1424.7	1378.0	1337.7	1294.8	1251.9	1213.2	1181.0	1153.1	1121.9	1094.0	1070.9
12.5°	1493.4	1439.2	1383.4	1322.7	1264.7	1214.8	1173.5	1137.0	1099.4	1067.2	1043.6
15°	1569.1	1492.9	1415.6	1346.9	1276.5	1215.4	1161.1	1118.7	1075.8	1039.3	1011.9
17.5°	1656.1	1554.1	1456.9	1358.1	1295.9	1217.0	1150.4	1094.6	1050.5	1014.0	978.6
20°	1707.6	1606.2	1487.0	1385.5	1282.5	1201.4	1127.3	1070.9	1019.4	977.5	948.6
22.5°	1735.5	1628.7	1504.2	1400.0	1279.8	1189.0	1110.1	1043.6	988.3	946.4	913.7
25°	1774.7	1628.7	1513.3	1388.2	1284.1	1174.6	1085.4	1021.6	963.6	915.3	880.9
27.5°	1792.4	1643.2	1514.4	1365.7	1258.3	1147.2	1057.0	989.4	924.9	877.7	848.2
30°	1806.9	1645.9	1492.9	1347.9	1228.2	1116.6	1028.5	952.8	892.7	847.6	816.5
32.5°	1808.0	1638.9	1463.9	1314.7	1188.0	1080.6	994.7	923.3	860.5	812.7	782.1
35°	1798.3	1621.7	1430.6	1263.7	1141.3	1043.6	957.7	887.9	824.0	778.4	747.2
37.5°	1773.6	1602.4	1399.5	1215.9	1086.0	991.0	918.0	851.4	788.0	742.4	716.6
40°	1721.0	1571.3	1358.7	1164.9	1030.2	935.1	871.3	810.1	753.7	706.4	680.7
42.5°	1651.2	1524.6	1309.3	1110.7	967.9	876.1	819.7	770.3	712.9	672.1	645.8
45°	1552.5	1461.2	1259.9	1053.8	906.1	816.0	764.4	723.6	674.2	633.4	610.4
47.5°	1440.8	1385.0	1196.0	989.9	841.2	756.4	707.5	674.8	632.9	598.0	574.9
50°	1315.2	1294.3	1125.7	925.5	780.5	693.6	648.5	622.7	587.3	559.4	539.5
52.5°	1178.8	1191.7	1051.6	860.0	722.0	634.0	591.0	567.4	544.9	521.2	502.5
55°	1040.3	1070.9	962.0	788.6	654.9	578.2	536.3	514.8	498.2	478.3	464.9
57.5°	910.4	958.2	869.1	712.4	593.2	519.6	479.9	461.1	448.8	438.0	425.7
60°	784.3	839.6	773.6	641.0	531.4	464.3	428.9	410.7	404.8	396.7	384.9
62.5°	672.6	729.0	679.6	567.4	469.2	411.7	379.5	364.5	355.9	353.2	346.2
65°	568.0	620.6	583.0	490.6	410.1	359.1	330.7	317.3	312.4	311.9	306.5
67.5°	477.2	528.2	493.9	416.0	347.9	306.5	285.0	274.3	269.5	270.0	266.3
70°	393.5	429.5	409.1	347.9	295.2	258.7	242.1	230.3	226.5	226.5	225.5
72.5°	315.6	344.1	328.5	281.8	240.5	212.6	198.1	191.1	187.9	187.3	187.9
75°	246.9	271.6	257.7	221.2	190.0	169.1	156.8	151.9	150.3	149.2	149.8
77.5°	184.7	200.2	191.6	168.0	142.3	127.8	121.9	117.0	115.4	116.0	117.0
80°	130.4	139.0	134.2	119.2	102.0	92.3	88.0	84.3	82.7	84.3	84.3
82.5°	82.7	89.1	84.8	75.2	66.6	60.1	55.8	54.8	54.2	53.1	54.8
85°	45.1	48.3	46.2	42.9	37.0	34.4	31.1	30.6	30.6	30.6	30.6
87.5°	17.7	19.9	17.2	17.2	16.1	13.4	13.4	12.9	12.3	12.9	12.9
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°	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4	1172.4
2.5°	1147.7	1140.7	1136.4	1130.5	1123.6	1114.4	1110.7	1114.4	1112.3	1108.5	1110.1
5°	1116.0	1106.9	1095.1	1085.4	1074.7	1061.3	1057.0	1054.8	1051.6	1050.0	1047.3
7.5°	1084.9	1071.5	1057.0	1043.6	1028.0	1016.2	1010.8	1007.1	1006.0	997.9	994.7
10°	1052.7	1036.1	1021.6	1003.3	989.9	974.3	967.9	963.6	958.8	953.4	949.6
12.5°	1018.9	1002.2	984.0	966.8	953.4	936.2	927.6	922.8	919.0	915.3	911.0
15°	989.4	972.7	947.5	934.6	918.5	901.3	895.9	885.2	886.3	879.8	875.5
17.5°	958.2	933.5	915.8	896.5	884.7	872.3	862.1	850.9	849.2	844.4	842.8
20°	923.3	897.6	885.2	865.3	849.2	836.9	827.8	826.7	823.5	816.5	813.8
22.5°	889.0	868.0	850.9	832.6	818.1	802.0	797.7	799.3	793.4	791.8	785.9
25°	857.8	839.6	818.1	800.9	789.1	778.9	773.0	770.9	768.7	767.1	764.4
27.5°	824.5	805.2	787.0	773.0	761.7	754.8	751.0	746.2	745.6	745.6	744.6
30°	791.3	774.1	761.7	744.0	733.8	729.5	726.3	724.7	726.3	726.3	726.8
32.5°	760.7	744.0	729.5	717.2	707.0	703.8	703.2	703.2	705.4	705.4	707.0
35°	729.0	712.4	698.9	690.3	681.8	681.2	681.8	682.8	685.5	686.1	688.2
37.5°	694.6	681.8	671.6	660.8	658.7	659.7	660.8	661.9	663.0	667.3	667.3
40°	663.0	653.3	643.1	636.1	632.4	635.1	636.7	637.2	640.4	643.1	645.3
42.5°	631.8	622.7	614.7	608.7	607.1	609.3	610.9	612.5	615.7	617.9	621.6
45°	596.9	591.0	584.1	579.2	579.8	583.0	583.0	588.4	590.5	591.6	594.3
47.5°	564.7	558.3	553.5	551.3	550.8	553.5	555.1	559.4	560.4	564.2	566.3
50°	530.4	525.5	521.8	519.1	519.6	520.7	524.5	528.8	529.8	534.1	537.9
52.5°	494.4	490.1	486.9	488.0	489.6	489.6	493.3	496.0	498.7	501.9	505.7
55°	459.0	453.1	453.6	452.0	453.6	457.4	459.0	463.3	465.4	467.0	472.4
57.5°	420.3	419.3	417.6	416.0	419.3	420.9	423.5	426.2	430.0	432.1	435.9
60°	380.6	379.0	379.0	381.1	382.2	385.4	389.7	391.3	392.4	396.7	401.5
62.5°	344.1	342.5	342.0	345.2	345.2	348.4	350.0	352.7	357.0	358.6	365.0
65°	304.9	303.8	303.8	306.5	307.1	313.0	313.0	313.0	315.6	321.6	324.8
67.5°	264.1	264.7	266.3	267.9	270.0	271.6	272.2	275.4	279.7	283.4	289.9
70°	223.3	226.0	229.2	228.7	230.3	233.0	233.5	236.7	240.5	245.3	252.8
72.5°	186.8	188.4	191.6	191.6	193.8	195.4	198.1	200.2	205.1	209.4	212.6
75°	150.3	150.8	153.5	155.1	156.8	157.8	160.5	164.3	166.9	170.7	175.5
77.5°	118.1	117.0	119.2	119.7	120.8	122.9	125.1	128.8	131.0	135.3	136.9
80°	83.7	85.9	86.4	87.0	88.0	90.7	92.3	93.9	96.1	99.8	101.5
82.5°	55.3	56.4	58.0	58.5	59.6	60.1	60.7	63.3	65.0	66.0	71.4
85°	32.2	33.8	32.7	32.7	33.8	34.4	36.5	36.5	38.7	37.6	40.3
87.5°	14.0	13.4	13.4	14.0	13.4	12.9	14.5	14.5	14.0	14.5	14.5
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: P243349

CATALOG NUMBER: S123DRP-H1000D940-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1172.4	1172.4	1172.4	1172.4
2.5°	1107.5	1107.5	1103.2	1104.8
5°	1042.0	1044.1	1038.7	1037.1
7.5°	993.6	991.5	987.7	987.7
10°	946.4	944.3	942.6	942.6
12.5°	905.6	903.5	900.2	902.9
15°	869.1	869.6	867.5	867.5
17.5°	841.2	836.4	834.7	834.2
20°	807.9	809.0	806.8	803.1
22.5°	787.0	784.3	782.1	781.6
25°	765.5	762.8	762.3	760.1
27.5°	744.0	744.6	743.0	743.0
30°	726.3	727.9	726.3	726.8
32.5°	708.6	708.6	708.6	706.4
35°	689.3	689.8	689.3	688.2
37.5°	669.4	669.4	669.9	671.0
40°	647.4	647.4	648.5	648.5
42.5°	621.1	623.8	625.4	622.7
45°	597.5	598.0	598.5	598.0
47.5°	571.2	569.6	570.1	571.2
50°	538.4	542.2	542.2	539.0
52.5°	506.8	507.8	510.0	510.0
55°	475.6	476.2	476.7	477.8
57.5°	440.2	440.7	440.7	440.2
60°	404.8	408.0	407.4	408.0
62.5°	366.6	371.5	373.1	372.6
65°	330.7	331.8	334.4	338.2
67.5°	292.6	295.2	299.5	298.5
70°	255.0	258.7	259.8	262.0
72.5°	217.4	222.2	223.3	224.4
75°	180.9	183.1	185.2	184.7
77.5°	141.2	144.4	148.2	146.0
80°	105.8	106.3	109.5	108.4
82.5°	69.8	74.1	74.1	71.9
85°	40.8	40.8	40.8	40.8
87.5°	14.0	13.4	14.5	14.0
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243349  
 CATALOG NUMBER: S123DRP-H1000D940-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	19.62	21.18	19.98	21.49	21.81	20.15	21.71	20.51	22.02	22.34
	3H	21.14	22.54	21.52	22.87	23.23	21.49	22.89	21.87	23.22	23.58
	4H	21.69	23.00	22.08	23.35	23.73	21.94	23.26	22.34	23.61	23.99
	6H	22.05	23.27	22.46	23.63	24.02	22.25	23.47	22.66	23.83	24.22
	8H	22.14	23.31	22.57	23.70	24.10	22.32	23.48	22.75	23.87	24.27
	12H	22.20	23.31	22.63	23.69	24.12	22.36	23.47	22.79	23.85	24.28
4H	2H	20.78	22.10	21.18	22.45	22.83	20.94	22.26	21.34	22.61	22.99
	3H	22.34	23.44	22.75	23.84	24.24	22.73	23.83	23.14	24.23	24.63
	4H	22.94	23.93	23.37	24.34	24.78	23.30	24.28	23.73	24.70	25.14
	6H	23.36	24.22	23.82	24.67	25.12	23.66	24.52	24.12	24.97	25.42
	8H	23.48	24.29	23.94	24.73	25.20	23.75	24.56	24.22	25.00	25.47
	12H	23.56	24.28	24.04	24.76	25.23	23.81	24.53	24.29	25.00	25.47
8H	4H	23.40	24.20	23.86	24.65	25.11	23.60	24.40	24.06	24.85	25.31
	6H	23.90	24.57	24.40	25.06	25.53	24.11	24.77	24.60	25.26	25.74
	8H	24.06	24.66	24.57	25.17	25.65	24.26	24.85	24.77	25.36	25.85
	12H	24.18	24.71	24.69	25.20	25.76	24.35	24.88	24.86	25.37	25.94
12H	4H	23.45	24.17	23.93	24.65	25.12	23.61	24.33	24.09	24.81	25.28
	6H	23.97	24.57	24.48	25.08	25.56	24.14	24.74	24.65	25.25	25.74
	8H	24.18	24.70	24.69	25.20	25.76	24.35	24.87	24.85	25.37	25.93