

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: P243324

Luminaire Tested: S123DRP-H1000D830-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243324
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-H1000D830-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

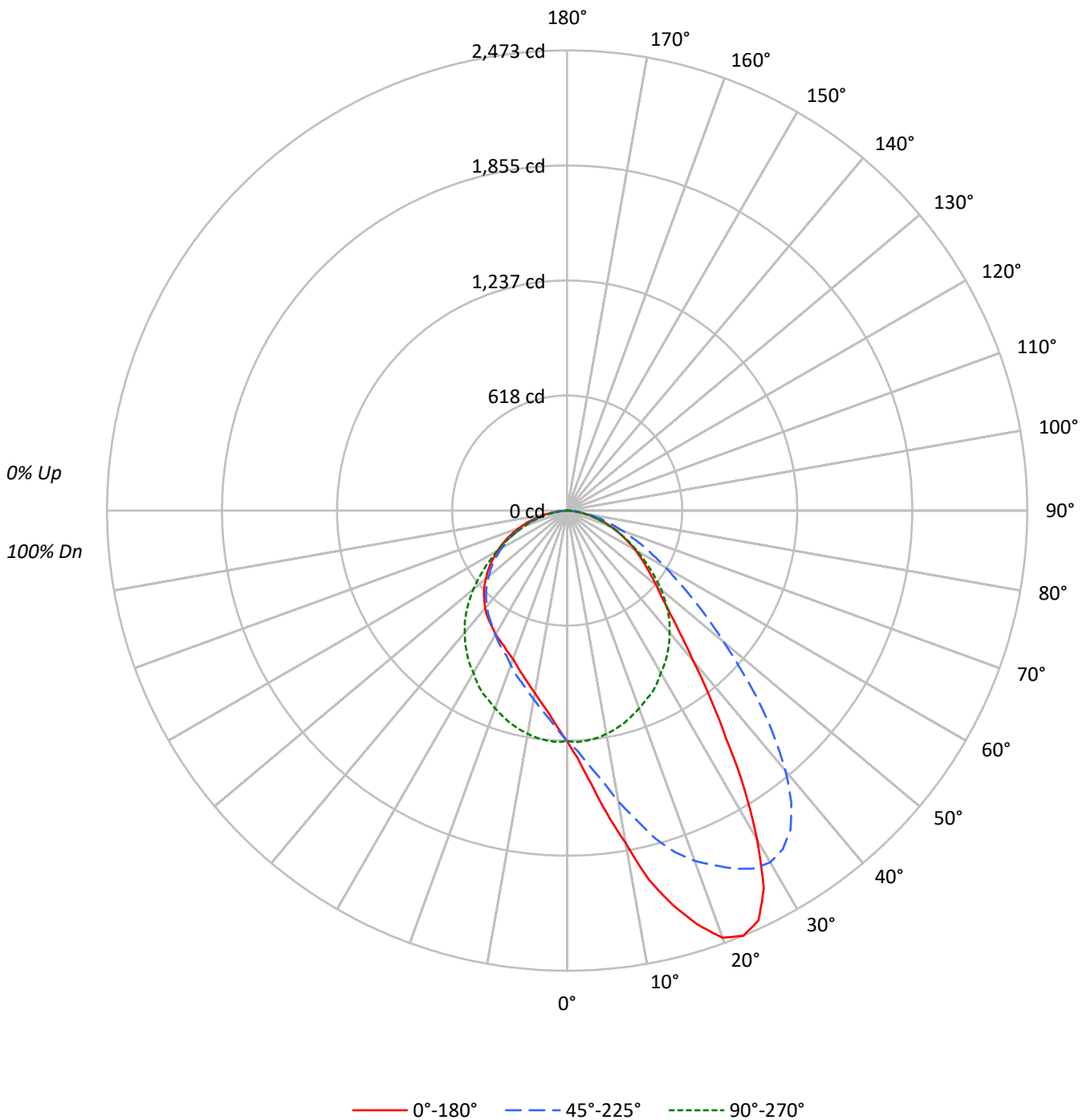
Lumens per Lamp: N/A
Luminaire Lumens: 3734.8 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.39 / 1.21 / 1.5
Luminous Opening: Rectangular (W 3.88' x L: 0.23' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V): 120
Input Current (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					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°	15021	15021	15021	15021	15021
5°	17895	16735	15093	13650	13338
10°	22348	19548	15001	12676	12264
15°	27542	22870	14839	11955	11506
20°	31516	25843	14602	11411	10950
25°	32525	28390	14442	11011	10746
30°	28575	30560	14097	10793	10753
35°	21931	30957	13887	10656	10764
40°	16682	28891	13548	10622	10845
45°	13422	25056	13112	10563	10835
50°	11812	20726	12412	10379	10743
55°	10888	17339	11500	10216	10672
60°	10262	14800	10524	9876	10453
65°	9537	12858	9617	9488	10254
70°	8729	11203	8626	8729	9813
75°	7760	9568	7521	7812	9142
80°	6499	7881	6219	6694	7999
85°	4576	5841	4492	5048	5994

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 55°
 Vertical Angle: 45°
 Luminance: 28130 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	3.3
10°-20°	391.4	10.5
20°-30°	646.5	17.3
30°-40°	739.9	19.8
40°-50°	670.5	18.0
50°-60°	541.8	14.5
60°-70°	377.5	10.1
70°-80°	198.0	5.3
80°-90°	47.2	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°	1159.9	31.1
0°-40°	1899.8	50.9
0°-60°	3112.1	83.3
0°-90°	3734.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3734.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1239	1239	1239	1239	1239	
5°	1471	1375	1240	1122	1096	151
15°	2195	1822	1182	953	917	625
25°	2432	2123	1080	823	804	1087
35°	1482	2092	938	720	727	939
45°	783	1462	765	616	632	617
55°	515	820	544	483	505	463
65°	332	448	335	331	358	330
75°	166	204	161	167	195	177
85°	33	42	32	36	43	42
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°	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2
2.5°	1334.6	1337.4	1332.9	1335.7	1328.9	1324.9	1318.7	1315.8	1302.2	1292.6	1289.2
5°	1470.7	1470.7	1471.9	1465.1	1457.1	1442.9	1424.2	1412.3	1398.7	1375.4	1363.5
7.5°	1642.1	1633.6	1627.9	1615.4	1604.7	1581.4	1561.0	1536.6	1504.8	1466.2	1445.8
10°	1815.7	1824.8	1819.1	1806.1	1778.3	1740.3	1710.2	1675.0	1625.7	1588.2	1534.9
12.5°	2032.5	2020.6	2011.5	1991.6	1961.0	1920.7	1874.2	1822.0	1758.4	1696.6	1637.0
15°	2194.8	2196.5	2195.9	2169.8	2139.7	2085.3	2042.1	1955.3	1874.7	1822.5	1723.8
17.5°	2332.1	2339.5	2330.9	2291.8	2265.1	2232.8	2177.7	2081.3	2008.1	1923.5	1814.6
20°	2443.3	2444.4	2430.8	2401.9	2371.2	2334.9	2262.3	2188.5	2117.0	2003.5	1899.7
22.5°	2472.8	2475.6	2472.8	2460.3	2435.4	2396.8	2342.3	2274.2	2184.0	2063.1	1966.7
25°	2431.9	2430.2	2439.9	2432.5	2431.4	2418.9	2383.2	2328.1	2239.0	2122.7	2000.1
27.5°	2289.0	2277.0	2301.4	2333.2	2337.8	2357.6	2358.2	2332.7	2268.5	2169.2	2035.9
30°	2041.6	2052.9	2064.8	2131.2	2168.1	2219.7	2264.6	2281.0	2256.6	2183.4	2058.6
32.5°	1772.6	1808.9	1842.4	1888.4	1942.3	2029.7	2100.6	2163.0	2189.7	2157.3	2058.6
35°	1482.1	1501.4	1554.2	1612.6	1690.3	1758.4	1899.1	1989.9	2071.1	2092.1	2032.5
37.5°	1255.1	1272.7	1290.9	1336.3	1423.6	1537.1	1653.5	1772.6	1892.9	1979.2	1975.7
40°	1054.3	1058.2	1074.1	1113.3	1185.9	1286.9	1408.9	1552.5	1708.5	1825.9	1875.3
42.5°	899.9	899.9	919.8	965.2	1007.2	1080.9	1199.0	1325.5	1496.3	1647.2	1752.8
45°	783.0	784.2	800.1	832.4	865.3	923.2	1010.6	1129.7	1305.6	1461.7	1608.6
47.5°	687.7	698.5	707.6	724.6	757.5	808.6	872.1	973.7	1099.1	1269.3	1440.7
50°	626.4	628.7	635.5	645.7	671.3	704.7	759.8	836.9	948.2	1099.1	1272.1
52.5°	566.3	566.3	573.1	585.6	600.3	627.6	667.3	731.4	814.8	951.6	1107.0
55°	515.2	516.9	518.1	528.3	540.7	561.2	592.4	634.4	711.0	820.5	956.1
57.5°	465.3	471.5	469.8	477.8	486.8	501.6	523.7	560.0	618.5	701.9	823.9
60°	423.3	422.2	425.0	428.4	434.6	444.9	465.3	492.0	540.7	610.5	710.4
62.5°	375.6	374.5	377.9	381.9	387.5	396.1	410.8	431.2	469.8	522.0	608.8
65°	332.5	331.4	333.1	335.3	341.6	348.4	359.7	376.8	402.3	448.3	514.6
67.5°	289.4	289.4	290.5	292.8	296.8	301.9	310.9	321.2	346.7	377.3	429.5
70°	246.3	246.8	246.8	249.1	252.5	256.5	263.8	272.9	288.8	316.1	358.0
72.5°	208.8	208.8	207.7	208.8	211.1	212.8	217.3	225.8	237.7	257.6	289.4
75°	165.7	168.5	168.0	167.4	169.1	171.9	175.9	182.7	190.1	204.3	228.1
77.5°	127.1	128.8	128.8	129.4	131.1	133.3	134.5	141.3	148.1	156.6	174.2
80°	93.1	94.2	93.1	93.6	94.8	97.0	99.3	100.4	105.5	112.9	121.4
82.5°	62.4	60.7	63.0	62.4	63.6	64.1	65.3	65.8	69.2	73.8	79.4
85°	32.9	35.7	35.2	36.3	35.2	35.7	36.3	38.6	39.2	42.0	45.4
87.5°	12.5	13.6	13.6	13.6	13.6	13.6	14.8	15.3	16.5	17.0	18.2
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°	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2
2.5°	1291.4	1286.3	1279.0	1271.0	1262.5	1254.0	1250.0	1244.9	1234.7	1224.5	1216.5
5°	1353.9	1339.7	1320.4	1306.2	1285.8	1266.5	1251.2	1240.4	1223.9	1204.1	1191.0
7.5°	1423.6	1398.1	1367.5	1336.3	1305.6	1276.7	1252.9	1232.4	1206.9	1182.5	1162.6
10°	1505.9	1456.6	1414.0	1368.6	1323.2	1282.4	1248.3	1218.8	1185.9	1156.4	1132.0
12.5°	1578.6	1521.2	1462.2	1398.1	1336.8	1284.1	1240.4	1201.8	1162.1	1128.0	1103.1
15°	1658.6	1578.0	1496.3	1423.6	1349.3	1284.6	1227.3	1182.5	1137.1	1098.5	1069.6
17.5°	1750.5	1642.7	1540.0	1435.6	1369.7	1286.3	1216.0	1157.0	1110.4	1071.9	1034.4
20°	1805.0	1697.7	1571.7	1464.5	1355.6	1269.9	1191.6	1132.0	1077.5	1033.3	1002.6
22.5°	1834.5	1721.5	1589.9	1479.8	1352.7	1256.8	1173.4	1103.1	1044.6	1000.4	965.7
25°	1875.9	1721.5	1599.5	1467.3	1357.3	1241.5	1147.3	1079.8	1018.5	967.4	931.1
27.5°	1894.6	1736.9	1600.7	1443.5	1330.0	1212.6	1117.2	1045.7	977.7	927.7	896.5
30°	1909.9	1739.7	1578.0	1424.8	1298.3	1180.2	1087.2	1007.2	943.6	896.0	863.0
32.5°	1911.1	1732.3	1547.3	1389.6	1255.7	1142.2	1051.4	976.0	909.6	859.1	826.7
35°	1900.8	1714.2	1512.2	1335.7	1206.3	1103.1	1012.3	938.5	871.0	822.8	789.8
37.5°	1874.7	1693.7	1479.3	1285.2	1147.9	1047.5	970.3	899.9	833.0	784.7	757.5
40°	1819.1	1660.8	1436.1	1231.3	1088.9	988.4	920.9	856.2	796.7	746.7	719.5
42.5°	1745.4	1611.5	1383.9	1174.0	1023.1	926.0	866.4	814.2	753.5	710.4	682.6
45°	1641.0	1544.5	1331.7	1113.8	957.8	862.5	808.0	764.9	712.7	669.6	645.2
47.5°	1522.9	1463.9	1264.2	1046.3	889.1	799.5	747.9	713.2	669.0	632.1	607.7
50°	1390.2	1368.0	1189.9	978.2	825.0	733.1	685.4	658.2	620.8	591.2	570.3
52.5°	1246.0	1259.7	1111.6	909.0	763.2	670.1	624.7	599.8	575.9	551.0	531.1
55°	1099.7	1132.0	1016.8	833.5	692.2	611.1	566.8	544.2	526.6	505.6	491.4
57.5°	962.3	1012.8	918.6	753.0	627.0	549.3	507.3	487.4	474.4	463.0	450.0
60°	829.0	887.4	817.6	677.5	561.7	490.8	453.4	434.1	427.8	419.3	406.8
62.5°	711.0	770.6	718.4	599.8	495.9	435.2	401.2	385.3	376.2	373.4	366.0
65°	600.3	655.9	616.2	518.6	433.5	379.6	349.5	335.3	330.2	329.7	324.0
67.5°	504.4	558.3	522.0	439.7	367.7	324.0	301.3	290.0	284.8	285.4	281.4
70°	415.9	453.9	432.4	367.7	312.1	273.5	255.9	243.4	239.5	239.5	238.3
72.5°	333.6	363.7	347.3	297.9	254.2	224.7	209.4	202.0	198.6	198.0	198.6
75°	261.0	287.1	272.4	233.8	200.9	178.7	165.7	160.6	158.9	157.7	158.3
77.5°	195.2	211.6	202.6	177.6	150.4	135.0	128.8	123.7	122.0	122.6	123.7
80°	137.9	147.0	141.9	126.0	107.8	97.6	93.1	89.1	87.4	89.1	89.1
82.5°	87.4	94.2	89.7	79.4	70.4	63.6	59.0	57.9	57.3	56.2	57.9
85°	47.7	51.1	48.8	45.4	39.2	36.3	32.9	32.3	32.3	32.3	32.3
87.5°	18.7	21.0	18.2	18.2	17.0	14.2	14.2	13.6	13.1	13.6	13.6
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°	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2	1239.2
2.5°	1213.1	1205.8	1201.2	1195.0	1187.6	1178.0	1174.0	1178.0	1175.7	1171.7	1173.4
5°	1179.7	1170.0	1157.5	1147.3	1136.0	1121.8	1117.2	1115.0	1111.6	1109.9	1107.0
7.5°	1146.8	1132.6	1117.2	1103.1	1086.6	1074.1	1068.4	1064.5	1063.3	1054.8	1051.4
10°	1112.7	1095.1	1079.8	1060.5	1046.3	1029.9	1023.1	1018.5	1013.4	1007.7	1003.8
12.5°	1077.0	1059.4	1040.1	1021.9	1007.7	989.6	980.5	975.4	971.4	967.4	962.9
15°	1045.7	1028.2	1001.5	987.9	970.9	952.7	947.0	935.7	936.8	930.0	925.5
17.5°	1012.8	986.7	968.0	947.6	935.1	922.1	911.3	899.4	897.7	892.5	890.8
20°	976.0	948.7	935.7	914.7	897.7	884.6	875.0	873.8	870.4	863.0	860.2
22.5°	939.6	917.5	899.4	880.1	864.7	847.7	843.2	844.9	838.6	836.9	830.7
25°	906.7	887.4	864.7	846.6	834.1	823.3	817.1	814.8	812.5	810.8	808.0
27.5°	871.6	851.1	831.8	817.1	805.2	797.8	793.8	788.7	788.1	788.1	787.0
30°	836.4	818.2	805.2	786.4	775.7	771.1	767.7	766.0	767.7	767.7	768.3
32.5°	804.0	786.4	771.1	758.1	747.3	743.9	743.3	743.3	745.6	745.6	747.3
35°	770.6	753.0	738.8	729.7	720.6	720.1	720.6	721.8	724.6	725.2	727.4
37.5°	734.2	720.6	709.8	698.5	696.2	697.4	698.5	699.6	700.8	705.3	705.3
40°	700.8	690.5	679.8	672.4	668.4	671.3	673.0	673.5	676.9	679.8	682.0
42.5°	667.8	658.2	649.7	643.5	641.7	644.0	645.7	647.4	650.8	653.1	657.1
45°	631.0	624.7	617.3	612.2	612.8	616.2	616.2	621.9	624.2	625.3	628.1
47.5°	596.9	590.1	585.0	582.7	582.2	585.0	586.7	591.2	592.4	596.4	598.6
50°	560.6	555.5	551.5	548.7	549.3	550.4	554.4	558.9	560.0	564.6	568.6
52.5°	522.6	518.1	514.6	515.8	517.5	517.5	521.5	524.3	527.1	530.5	534.5
55°	485.1	478.9	479.5	477.8	479.5	483.4	485.1	489.7	492.0	493.7	499.3
57.5°	444.3	443.2	441.5	439.7	443.2	444.9	447.7	450.5	454.5	456.8	460.7
60°	402.3	400.6	400.6	402.9	404.0	407.4	411.9	413.6	414.8	419.3	424.4
62.5°	363.7	362.0	361.4	364.8	364.8	368.3	370.0	372.8	377.3	379.0	385.8
65°	322.3	321.2	321.2	324.0	324.6	330.8	330.8	330.8	333.6	339.9	343.3
67.5°	279.2	279.7	281.4	283.1	285.4	287.1	287.7	291.1	295.6	299.6	306.4
70°	236.0	238.9	242.3	241.7	243.4	246.3	246.8	250.2	254.2	259.3	267.3
72.5°	197.5	199.2	202.6	202.6	204.8	206.5	209.4	211.6	216.8	221.3	224.7
75°	158.9	159.4	162.3	164.0	165.7	166.8	169.7	173.6	176.5	180.4	185.5
77.5°	124.8	123.7	126.0	126.5	127.7	129.9	132.2	136.2	138.4	143.0	144.7
80°	88.5	90.8	91.4	91.9	93.1	95.9	97.6	99.3	101.6	105.5	107.2
82.5°	58.4	59.6	61.3	61.8	63.0	63.6	64.1	67.0	68.7	69.8	75.5
85°	34.0	35.7	34.6	34.6	35.7	36.3	38.6	38.6	40.9	39.7	42.6
87.5°	14.8	14.2	14.2	14.8	14.2	13.6	15.3	15.3	14.8	15.3	15.3
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: P243324

CATALOG NUMBER: S123DRP-H1000D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1239.2	1239.2	1239.2	1239.2
2.5°	1170.6	1170.6	1166.0	1167.7
5°	1101.4	1103.6	1098.0	1096.2
7.5°	1050.3	1048.0	1044.0	1044.0
10°	1000.4	998.1	996.4	996.4
12.5°	957.2	955.0	951.6	954.4
15°	918.6	919.2	916.9	916.9
17.5°	889.1	884.0	882.3	881.8
20°	854.0	855.1	852.8	848.9
22.5°	831.8	829.0	826.7	826.2
25°	809.1	806.3	805.7	803.5
27.5°	786.4	787.0	785.3	785.3
30°	767.7	769.4	767.7	768.3
32.5°	749.0	749.0	749.0	746.7
35°	728.6	729.1	728.6	727.4
37.5°	707.6	707.6	708.1	709.3
40°	684.3	684.3	685.4	685.4
42.5°	656.5	659.3	661.0	658.2
45°	631.5	632.1	632.7	632.1
47.5°	603.7	602.0	602.6	603.7
50°	569.1	573.1	573.1	569.7
52.5°	535.6	536.8	539.0	539.0
55°	502.7	503.3	503.9	505.0
57.5°	465.3	465.8	465.8	465.3
60°	427.8	431.2	430.7	431.2
62.5°	387.5	392.7	394.4	393.8
65°	349.5	350.7	353.5	357.5
67.5°	309.2	312.1	316.6	315.5
70°	269.5	273.5	274.6	276.9
72.5°	229.8	234.9	236.0	237.2
75°	191.2	193.5	195.8	195.2
77.5°	149.2	152.6	156.6	154.3
80°	111.8	112.3	115.8	114.6
82.5°	73.8	78.3	78.3	76.0
85°	43.1	43.1	43.1	43.1
87.5°	14.8	14.2	15.3	14.8
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243324
 CATALOG NUMBER: S123DRP-H1000D830-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	19.81	21.37	20.18	21.69	22.00	20.34	21.90	20.71	22.22	22.53
	3H	21.33	22.73	21.71	23.06	23.42	21.68	23.09	22.06	23.41	23.77
	4H	21.88	23.20	22.28	23.54	23.92	22.14	23.45	22.54	23.80	24.18
	6H	22.24	23.46	22.65	23.82	24.22	22.44	23.66	22.85	24.02	24.41
	8H	22.34	23.50	22.76	23.89	24.29	22.51	23.68	22.94	24.06	24.46
	12H	22.39	23.50	22.82	23.88	24.31	22.55	23.66	22.98	24.04	24.47
4H	2H	20.98	22.29	21.37	22.64	23.02	21.14	22.45	21.53	22.80	23.18
	3H	22.53	23.63	22.94	24.03	24.43	22.92	24.02	23.34	24.42	24.82
	4H	23.13	24.12	23.56	24.53	24.97	23.49	24.48	23.92	24.89	25.33
	6H	23.56	24.42	24.01	24.86	25.32	23.86	24.72	24.31	25.16	25.62
	8H	23.68	24.48	24.14	24.92	25.39	23.95	24.75	24.41	25.19	25.66
	12H	23.75	24.47	24.23	24.95	25.42	24.00	24.72	24.48	25.20	25.67
8H	4H	23.59	24.40	24.05	24.84	25.31	23.79	24.60	24.25	25.04	25.51
	6H	24.09	24.76	24.59	25.25	25.73	24.30	24.97	24.80	25.46	25.93
	8H	24.25	24.85	24.77	25.36	25.85	24.45	25.05	24.96	25.55	26.04
	12H	24.37	24.90	24.88	25.39	25.95	24.55	25.07	25.06	25.57	26.13
12H	4H	23.64	24.36	24.12	24.84	25.31	23.81	24.53	24.29	25.00	25.47
	6H	24.16	24.76	24.67	25.27	25.76	24.33	24.93	24.85	25.44	25.93
	8H	24.37	24.90	24.88	25.39	25.95	24.54	25.07	25.05	25.56	26.12