

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: P243162

Luminaire Tested: S122DRP-H865D840-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-58)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DRP-H865D840-X4F0-XX-UDD-A-W
Description: DEFINE 2 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

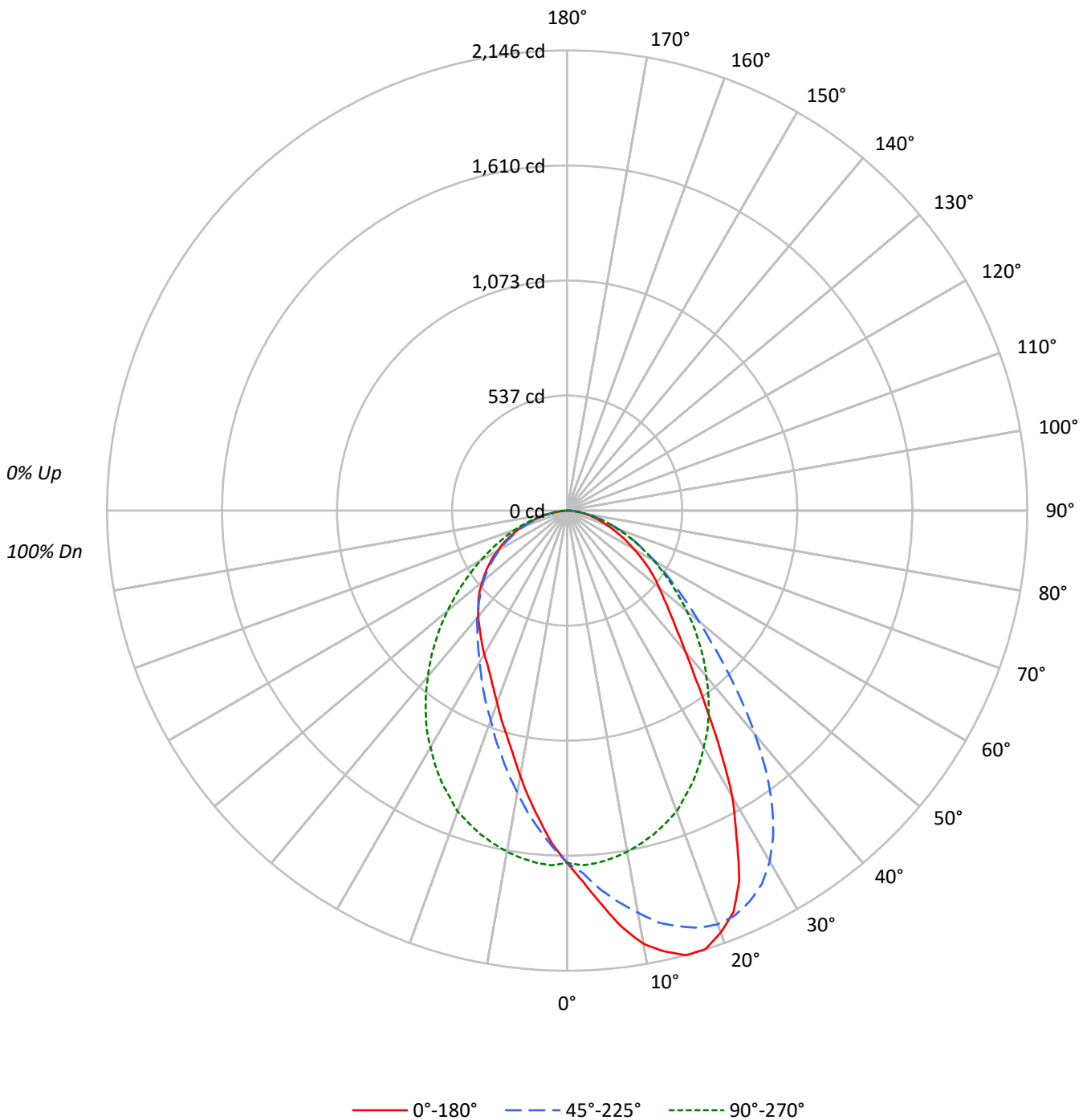
Lumens per Lamp: N/A
Luminaire Lumens: 3645.8 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.24
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88					86				
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76					74				
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66					63				
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57					55				
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51					49				
6	73	61	52	46	72	60	52	46	58	51	46	57	50	45	55	49	45					43				
7	68	56	47	41	67	55	47	41	53	46	41	52	46	41	51	45	40					39				
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37					35				
9	60	47	39	34	58	46	39	34	45	38	34	44	38	34	43	38	33					32				
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	31					29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	31295	31295	31295	31295	31295
5°	35252	33903	31520	28543	27765
10°	39681	36824	31237	25838	24299
15°	42328	39581	30816	23322	21416
20°	42450	41625	30259	21089	19328
25°	39924	42288	29253	19426	17816
30°	33891	41567	28032	17921	17013
35°	26497	38714	26725	16926	16372
40°	21289	33854	25114	16239	16058
45°	18312	28371	23457	15562	15758
50°	16612	23659	21588	15045	15317
55°	15306	20334	19669	14459	14904
60°	13760	17928	17722	13783	14225
65°	12385	16032	15923	12908	13539
70°	11038	14224	14157	11818	12664
75°	9935	12393	12173	10473	11098
80°	8666	10267	9806	8534	8666
85°	7452	8502	7300	5704	4786

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 65°
 Vertical Angle: 45°
 Luminance: 39229 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.5	4.3
10°-20°	449.9	12.3
20°-30°	654.3	17.9
30°-40°	701.8	19.3
40°-50°	629.0	17.3
50°-60°	501.5	13.8
60°-70°	339.2	9.3
70°-80°	173.0	4.7
80°-90°	40.5	1.1
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°	1260.7	34.6
0°-40°	1962.6	53.8
0°-60°	3093.0	84.8
0°-90°	3645.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3645.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1643	1643	1643	1643	1643	
5°	1844	1773	1648	1493	1452	183
15°	2146	2007	1563	1183	1086	601
25°	1900	2012	1392	924	848	855
35°	1140	1665	1149	728	704	722
45°	680	1053	871	578	585	532
55°	461	612	592	435	449	411
65°	275	356	353	286	300	273
75°	135	168	165	142	151	144
85°	34	39	33	26	22	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°	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0
2.5°	1734.2	1739.7	1734.8	1733.0	1729.4	1728.1	1718.4	1710.5	1705.6	1692.3	1693.5
5°	1843.7	1855.8	1849.1	1848.5	1835.2	1826.6	1818.1	1806.0	1787.7	1773.1	1761.6
7.5°	1959.2	1953.1	1951.3	1944.6	1934.9	1922.7	1903.9	1886.2	1863.1	1841.8	1826.0
10°	2051.6	2049.8	2052.8	2035.8	2029.7	2010.9	1994.5	1967.1	1937.3	1903.9	1883.2
12.5°	2106.4	2111.8	2116.1	2109.4	2094.8	2089.3	2062.0	2023.7	2013.3	1967.7	1942.8
15°	2146.5	2148.9	2149.5	2142.2	2134.9	2120.9	2104.5	2080.2	2046.8	2007.2	1988.4
17.5°	2144.1	2143.4	2147.1	2142.8	2138.6	2134.3	2121.6	2102.7	2076.6	2039.5	2007.8
20°	2094.2	2105.1	2113.7	2115.5	2114.9	2117.3	2111.2	2099.1	2080.2	2053.5	2017.6
22.5°	2026.1	2021.8	2040.1	2038.9	2046.8	2065.0	2072.9	2068.0	2060.8	2043.7	2015.1
25°	1899.6	1903.9	1916.6	1930.0	1961.0	1972.0	1995.7	2013.9	2016.4	2012.1	1994.5
27.5°	1709.9	1740.3	1747.0	1764.6	1807.8	1843.7	1891.7	1920.3	1961.0	1964.7	1956.8
30°	1540.9	1539.6	1550.0	1581.6	1621.1	1675.2	1737.3	1810.8	1857.7	1889.9	1901.4
32.5°	1332.9	1337.8	1364.5	1403.4	1443.6	1497.7	1569.4	1659.4	1722.1	1788.9	1826.6
35°	1139.5	1154.7	1180.3	1207.0	1250.8	1325.0	1404.6	1479.4	1575.5	1664.9	1725.7
37.5°	980.2	1000.9	1020.3	1045.9	1088.4	1145.6	1217.4	1316.5	1411.9	1519.6	1609.0
40°	856.2	864.1	877.4	902.4	931.0	988.1	1060.5	1134.7	1238.0	1361.5	1478.8
42.5°	758.9	757.0	771.6	787.5	813.6	856.2	919.4	993.6	1096.4	1205.8	1324.4
45°	679.8	680.4	686.5	702.9	723.6	747.9	796.6	866.5	944.3	1053.2	1179.0
47.5°	615.4	617.2	626.3	637.9	650.0	672.5	704.8	750.4	823.3	914.5	1032.5
50°	560.6	563.7	569.8	578.3	587.4	603.2	627.5	663.4	721.2	798.4	905.4
52.5°	512.0	513.2	515.0	522.9	530.2	544.8	563.1	591.0	636.6	701.1	784.4
55°	460.9	459.7	464.0	470.6	477.3	487.7	506.5	529.0	561.2	612.3	681.0
57.5°	408.6	410.4	413.5	417.1	429.3	440.2	454.2	474.9	500.4	540.6	597.7
60°	361.2	361.2	364.8	369.7	377.6	384.9	398.3	417.1	439.6	470.6	518.7
62.5°	315.0	317.4	321.1	323.5	330.8	339.9	350.2	364.8	385.5	410.4	446.3
65°	274.8	273.6	277.3	282.1	287.6	293.7	305.3	317.4	333.2	355.7	385.5
67.5°	233.5	237.1	238.4	240.8	245.1	253.0	258.4	271.2	284.0	304.0	329.0
70°	198.2	200.7	202.5	205.5	209.2	212.8	218.3	228.6	241.4	255.4	273.0
72.5°	166.6	168.4	166.6	169.7	171.5	175.1	182.4	187.3	197.0	209.2	225.0
75°	135.0	136.2	135.6	138.6	139.2	142.9	146.5	150.8	161.7	168.4	179.4
77.5°	105.8	107.0	107.6	108.8	110.1	111.9	113.7	118.0	124.0	130.1	138.6
80°	79.0	79.0	80.9	81.5	82.1	83.3	86.3	87.6	91.8	93.6	100.3
82.5°	54.7	55.3	55.9	55.9	56.6	57.8	58.4	60.8	62.0	65.1	68.1
85°	34.1	34.7	34.7	34.7	36.5	35.9	35.9	37.1	38.9	38.9	40.1
87.5°	17.0	17.6	17.6	17.6	18.2	18.2	18.2	18.2	18.2	19.5	18.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0
2.5°	1692.9	1692.3	1689.8	1678.9	1670.4	1659.4	1657.6	1655.8	1640.6	1624.2	1619.3
5°	1752.5	1741.5	1726.3	1708.1	1689.8	1669.8	1658.2	1648.5	1625.4	1599.8	1585.2
7.5°	1810.8	1789.6	1765.8	1737.3	1706.9	1674.6	1654.0	1634.5	1602.9	1569.4	1549.4
10°	1860.7	1832.1	1799.3	1761.6	1719.6	1675.8	1645.4	1615.0	1574.9	1534.2	1507.4
12.5°	1902.0	1865.6	1822.4	1771.3	1733.0	1672.8	1630.2	1590.1	1545.7	1492.8	1463.6
15°	1933.7	1897.8	1839.4	1787.7	1737.3	1657.0	1605.3	1562.7	1503.1	1451.5	1405.3
17.5°	1972.0	1920.9	1863.1	1788.9	1733.0	1641.2	1582.8	1527.5	1463.0	1402.2	1351.1
20°	1989.0	1935.5	1873.5	1790.8	1719.6	1624.2	1546.3	1492.8	1415.0	1345.1	1287.3
22.5°	1991.4	1940.4	1872.9	1785.3	1696.5	1599.2	1509.8	1439.9	1362.1	1287.9	1222.8
25°	1981.1	1932.4	1862.5	1775.6	1671.0	1572.5	1472.7	1391.9	1301.9	1225.3	1159.0
27.5°	1953.1	1913.6	1847.3	1754.3	1644.8	1531.1	1422.3	1334.1	1245.3	1158.4	1095.1
30°	1908.1	1882.0	1824.8	1726.3	1611.4	1486.1	1377.3	1274.5	1178.4	1097.0	1028.9
32.5°	1850.4	1837.6	1790.2	1692.9	1577.3	1436.9	1323.2	1217.4	1112.8	1035.5	965.6
35°	1776.8	1783.5	1743.3	1655.2	1534.2	1387.0	1259.9	1149.3	1047.1	965.0	900.6
37.5°	1681.3	1714.2	1688.6	1605.9	1478.8	1336.5	1193.6	1082.4	975.3	896.3	839.7
40°	1574.3	1632.1	1619.9	1550.6	1419.2	1277.6	1129.8	1010.0	905.4	830.6	776.5
42.5°	1448.4	1532.3	1545.7	1483.1	1360.3	1204.0	1058.0	942.5	841.6	768.0	716.3
45°	1307.4	1411.3	1456.3	1407.1	1291.5	1132.8	984.5	870.8	771.0	708.4	665.2
47.5°	1165.7	1290.9	1351.7	1328.0	1211.3	1056.8	911.5	800.2	706.0	651.2	610.5
50°	1025.8	1160.2	1249.0	1233.2	1132.2	984.5	837.9	728.5	642.1	591.7	557.0
52.5°	903.0	1030.1	1126.8	1134.7	1044.1	901.8	760.1	658.5	585.0	539.4	510.2
55°	782.0	899.9	1005.7	1025.2	951.6	814.8	688.3	592.3	525.4	487.7	464.0
57.5°	673.7	780.8	886.0	920.0	860.4	737.0	611.1	526.6	468.8	439.6	419.0
60°	581.9	678.6	769.2	803.9	763.1	650.6	540.6	465.2	417.1	391.0	374.6
62.5°	501.7	576.5	656.7	695.0	667.7	569.8	473.7	406.8	367.9	345.4	332.6
65°	429.3	487.1	550.3	594.7	564.3	491.3	411.1	353.3	320.5	299.8	290.7
67.5°	362.4	410.4	460.9	496.2	481.0	414.7	347.2	302.2	274.8	259.0	250.5
70°	301.6	337.5	378.2	405.6	394.6	343.6	290.0	254.2	231.1	220.1	212.8
72.5°	247.5	270.6	301.6	324.1	312.5	276.7	238.4	209.8	192.8	180.0	174.5
75°	196.4	216.5	238.4	253.6	244.4	217.7	187.3	165.4	153.8	145.9	142.3
77.5°	149.0	164.8	180.0	187.3	183.0	163.6	142.9	125.9	116.1	111.3	107.0
80°	107.0	116.1	126.5	133.2	130.7	117.4	102.8	89.4	85.1	79.0	77.8
82.5°	71.8	79.0	81.5	84.5	82.7	76.6	66.3	58.4	54.7	51.7	51.1
85°	42.6	44.4	47.4	47.4	45.6	41.3	35.9	33.4	29.8	29.2	27.4
87.5°	18.9	18.9	18.9	18.9	18.9	17.6	15.2	14.0	12.8	12.2	11.6
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°	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0	1643.0
2.5°	1615.0	1609.0	1600.4	1590.7	1582.2	1568.8	1564.6	1564.6	1567.6	1564.0	1560.9
5°	1573.1	1560.9	1548.8	1529.9	1514.1	1492.8	1486.7	1480.7	1480.0	1474.0	1466.1
7.5°	1528.1	1509.8	1484.9	1458.2	1441.1	1418.0	1405.3	1401.6	1390.0	1379.1	1366.3
10°	1475.8	1447.8	1418.0	1392.5	1365.7	1335.9	1320.7	1310.4	1298.8	1285.5	1276.3
12.5°	1412.5	1380.9	1353.6	1323.8	1301.3	1259.3	1254.4	1241.1	1218.0	1197.9	1190.6
15°	1373.6	1318.3	1287.3	1259.9	1225.9	1182.7	1166.9	1152.3	1130.4	1117.6	1107.3
17.5°	1304.9	1255.1	1216.1	1179.7	1146.8	1113.4	1089.7	1077.5	1059.9	1048.9	1038.6
20°	1242.3	1188.2	1147.4	1104.9	1070.8	1040.4	1020.3	1005.1	996.0	985.1	974.7
22.5°	1179.0	1122.5	1083.6	1040.4	1000.3	982.0	958.3	945.5	933.4	924.9	913.9
25°	1105.5	1060.5	1011.8	978.4	943.1	924.3	901.8	889.6	879.9	870.1	864.7
27.5°	1039.8	994.2	949.2	915.8	886.0	867.7	853.7	842.2	830.0	822.7	818.5
30°	971.7	929.7	890.2	858.0	834.9	814.8	806.3	795.4	786.2	783.2	776.5
32.5°	910.9	864.1	832.4	803.3	783.8	769.8	763.7	752.2	750.4	747.3	743.7
35°	850.1	809.9	779.5	754.6	738.2	727.9	720.0	716.9	713.9	710.8	707.8
37.5°	789.9	758.3	729.7	709.6	696.2	688.3	686.5	680.4	679.8	675.6	675.6
40°	735.8	703.5	683.5	667.7	656.7	653.1	648.2	647.0	645.2	643.9	646.4
42.5°	681.6	659.8	642.7	626.3	617.8	614.8	613.5	611.7	610.5	614.2	615.4
45°	631.2	612.3	597.7	586.2	581.3	577.7	577.7	579.5	578.9	580.7	580.7
47.5°	584.4	567.3	555.2	550.9	544.8	543.6	544.2	543.6	546.7	549.1	551.5
50°	540.0	524.8	515.0	510.8	509.6	507.7	510.2	511.4	513.2	515.6	516.9
52.5°	490.7	483.4	477.3	473.1	472.5	473.1	472.5	476.7	478.6	482.2	481.6
55°	448.8	443.3	439.0	434.2	433.6	435.4	436.6	440.2	442.7	445.7	445.1
57.5°	409.2	405.0	400.1	398.9	398.3	398.9	404.4	403.8	407.4	409.8	411.1
60°	366.1	363.0	358.8	358.8	360.6	361.8	363.6	366.7	370.3	369.7	374.0
62.5°	326.5	322.9	321.7	323.5	322.9	325.9	327.7	327.7	332.6	334.4	335.7
65°	287.0	285.8	284.0	284.0	285.8	286.4	289.4	291.3	293.1	296.7	299.8
67.5°	249.9	246.9	246.9	245.7	248.1	249.9	251.7	254.2	255.4	259.6	261.5
70°	211.0	209.8	209.2	210.4	210.4	212.2	215.3	218.3	220.7	221.3	225.0
72.5°	173.3	173.3	173.3	175.1	176.3	178.2	178.8	181.2	184.9	185.5	187.3
75°	139.2	139.9	139.2	139.9	140.5	142.3	143.5	145.9	148.4	149.0	150.2
77.5°	107.6	106.4	105.2	107.0	108.2	111.9	111.3	112.5	114.9	113.7	114.9
80°	75.4	77.2	74.8	78.4	78.4	77.8	79.0	80.9	80.3	81.5	80.3
82.5°	51.1	49.3	49.3	51.1	51.7	49.9	51.1	51.7	52.3	51.1	50.5
85°	28.0	27.4	28.6	26.8	27.4	26.1	26.1	24.9	26.1	24.9	23.7
87.5°	10.3	9.7	10.3	8.5	7.9	7.3	6.7	6.7	5.5	5.5	5.5
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: P243162

CATALOG NUMBER: S122DRP-H865D840-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1643.0	1643.0	1643.0	1643.0
2.5°	1565.2	1558.5	1555.4	1557.9
5°	1457.5	1459.4	1448.4	1452.1
7.5°	1364.5	1356.6	1359.0	1354.8
10°	1266.0	1261.7	1255.1	1256.3
12.5°	1199.7	1171.1	1169.3	1163.8
15°	1106.7	1090.9	1087.2	1086.0
17.5°	1032.5	1019.1	1024.0	1020.3
20°	965.6	966.2	958.3	953.5
22.5°	906.6	905.4	902.4	897.5
25°	856.8	856.8	849.5	847.7
27.5°	811.2	812.4	806.3	806.3
30°	777.1	772.9	772.2	773.5
32.5°	743.1	738.2	738.8	738.2
35°	706.6	707.8	706.0	704.1
37.5°	675.6	675.6	675.6	673.7
40°	645.2	646.4	644.6	645.8
42.5°	614.8	615.4	615.4	612.9
45°	584.4	583.7	582.5	585.0
47.5°	552.7	552.7	552.1	553.3
50°	518.1	519.3	517.5	516.9
52.5°	482.8	483.4	482.8	484.0
55°	446.9	446.9	447.5	448.8
57.5°	409.8	414.1	411.1	413.5
60°	373.4	374.0	374.6	373.4
62.5°	338.7	338.1	338.7	340.5
65°	301.0	302.2	301.6	300.4
67.5°	263.9	262.7	264.5	262.7
70°	224.4	226.8	225.0	227.4
72.5°	188.5	187.9	189.1	186.1
75°	150.8	150.8	151.4	150.8
77.5°	115.5	114.3	113.7	111.9
80°	79.7	79.7	77.2	79.0
82.5°	48.6	49.3	49.9	46.2
85°	23.1	23.1	22.5	21.9
87.5°	4.9	4.9	5.5	6.1
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P243162
 CATALOG NUMBER: S122DRP-H865D840-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	20.61	22.13	20.98	22.45	22.76	23.45	24.97	23.81	25.29	25.60
	3H	21.96	23.33	22.34	23.66	24.02	24.47	25.84	24.85	26.16	26.53
	4H	22.45	23.73	22.85	24.08	24.46	24.80	26.08	25.20	26.43	26.80
	6H	22.80	23.98	23.21	24.35	24.74	24.99	26.18	25.40	26.54	26.93
	8H	22.91	24.03	23.33	24.42	24.82	25.03	26.16	25.46	26.55	26.95
	12H	22.97	24.05	23.40	24.44	24.86	25.05	26.13	25.48	26.51	26.94
4H	2H	21.49	22.77	21.89	23.12	23.50	23.69	24.97	24.09	25.32	25.70
	3H	22.99	24.06	23.40	24.46	24.86	25.06	26.12	25.47	26.52	26.93
	4H	23.56	24.52	23.99	24.93	25.37	25.57	26.53	26.01	26.95	27.39
	6H	24.00	24.83	24.45	25.27	25.73	25.91	26.74	26.36	27.18	27.64
	8H	24.13	24.91	24.59	25.35	25.82	25.98	26.76	26.44	27.20	27.67
	12H	24.23	24.92	24.71	25.40	25.87	26.02	26.72	26.50	27.19	27.66
8H	4H	24.00	24.77	24.46	25.22	25.69	25.71	26.49	26.17	26.93	27.40
	6H	24.52	25.16	25.02	25.65	26.13	26.15	26.80	26.65	27.29	27.76
	8H	24.70	25.28	25.22	25.79	26.28	26.29	26.86	26.80	27.37	27.86
	12H	24.86	25.37	25.37	25.86	26.43	26.38	26.89	26.89	27.38	27.94
12H	4H	24.05	24.75	24.53	25.22	25.70	25.71	26.40	26.19	26.88	27.35
	6H	24.60	25.17	25.11	25.68	26.17	26.16	26.73	26.67	27.24	27.73
	8H	24.83	25.34	25.34	25.83	26.40	26.34	26.84	26.85	27.34	27.90