

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: P243668

Luminaire Tested: S125DRP-H1090D830-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-61)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DRP-H1090D830-X4F0-XX-UDD-A-W
Description: DEFINE 5 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

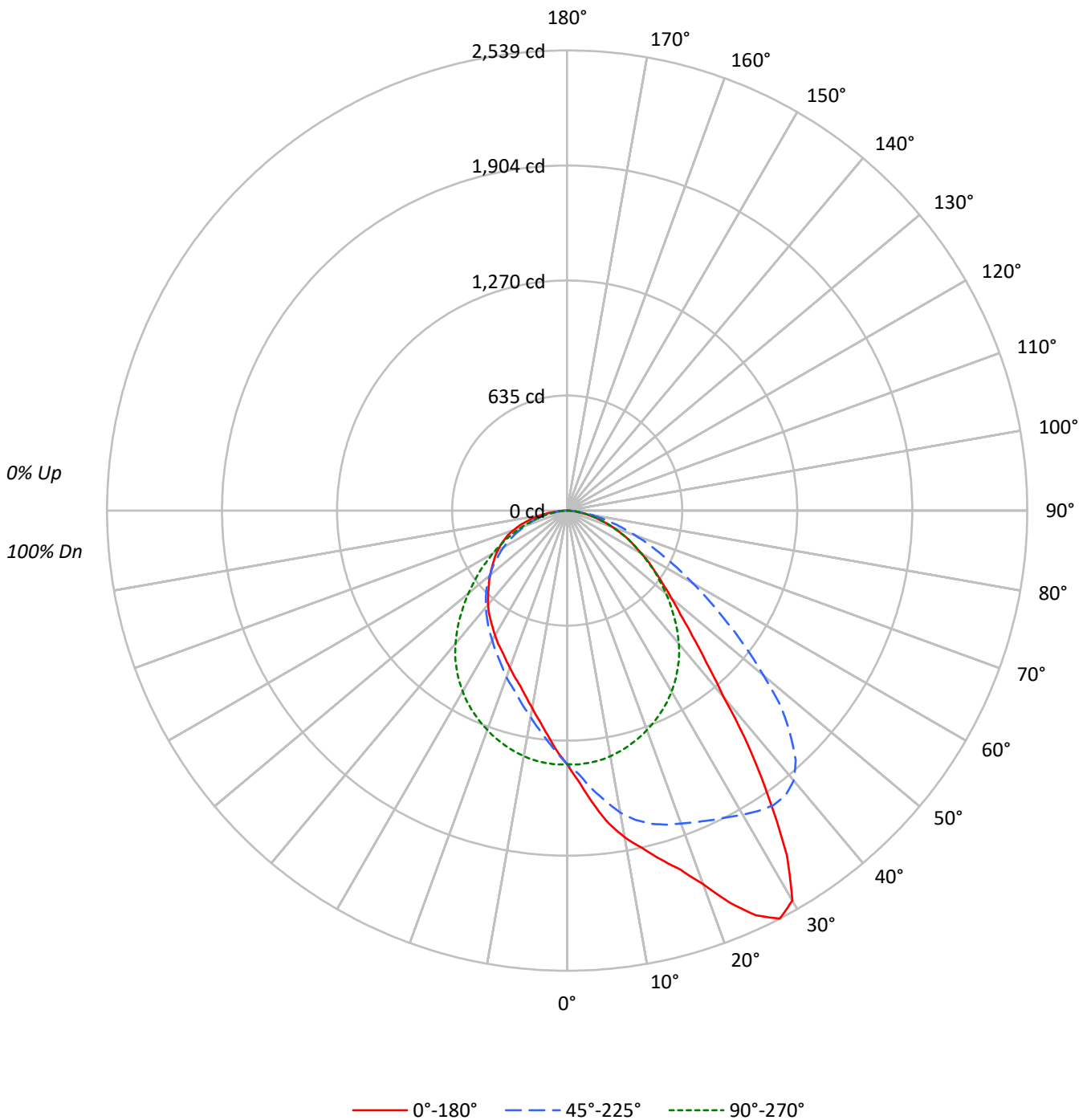
Lumens per Lamp: N/A
Luminaire Lumens: 3988.1 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.22 / 1.53
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72					72			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	63	61					61			
4	84	73	64	58	82	71	63	57	69	62	56	66	61	56	64	59	55	53					53			
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46					46			
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	40					40			
7	67	53	45	39	65	53	44	39	51	44	38	50	43	38	48	42	38	36					36			
8	62	49	40	35	60	48	40	35	47	40	34	46	39	34	44	38	34	32					32			
9	58	45	37	31	57	44	36	31	43	36	31	42	36	31	41	35	31	29					29			
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9945	9945	9945	9945	9945
5°	11554	10971	9967	9069	8857
10°	13219	12216	9935	8350	7994
15°	14655	13161	9845	7787	7365
20°	16592	13901	9746	7408	6987
25°	19321	14778	9621	7027	6692
30°	20397	15894	9463	6790	6529
35°	16867	17217	9231	6617	6390
40°	12477	18048	8898	6475	6297
45°	9810	17487	8413	6348	6159
50°	8307	15616	7868	6174	6137
55°	7396	13380	7327	5976	6160
60°	6711	11340	6726	5734	6291
65°	6222	9695	6165	5439	6470
70°	5590	8289	5519	5083	6508
75°	4767	7011	4847	4644	6420
80°	3901	5669	3970	4040	5992
85°	2683	3980	2822	3197	5089

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 17487 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	3.4
10°-20°	403.9	10.1
20°-30°	656.7	16.5
30°-40°	798.9	20.0
40°-50°	731.1	18.3
50°-60°	585.1	14.7
60°-70°	407.5	10.2
70°-80°	216.6	5.4
80°-90°	53.2	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°	1195.8	30.0
0°-40°	1994.7	50.0
0°-60°	3310.8	83.0
0°-90°	3988.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3988.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1399	1399	1399	1399	1399	
5°	1620	1538	1397	1271	1242	161
15°	1992	1789	1338	1058	1001	571
25°	2464	1884	1227	896	853	1125
35°	1944	1984	1064	763	736	1205
45°	976	1740	837	632	613	770
55°	597	1080	591	482	497	539
65°	370	576	367	323	385	364
75°	174	255	176	169	234	188
85°	33	49	35	39	62	43
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°	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3
2.5°	1498.0	1491.8	1490.1	1490.7	1487.2	1484.4	1477.6	1468.5	1462.3	1454.3	1452.1
5°	1619.5	1604.1	1607.0	1602.4	1595.1	1585.4	1576.9	1563.3	1550.2	1537.7	1521.3
7.5°	1738.6	1735.8	1727.8	1726.7	1714.8	1698.3	1681.3	1662.6	1634.8	1615.5	1593.4
10°	1831.7	1837.4	1826.0	1826.6	1805.6	1789.1	1774.4	1750.0	1718.8	1692.7	1660.3
12.5°	1906.6	1908.9	1907.1	1899.8	1886.2	1858.3	1844.2	1818.6	1784.6	1748.8	1723.9
15°	1991.7	1985.5	1975.8	1966.7	1946.9	1927.0	1897.5	1867.4	1824.3	1788.6	1752.2
17.5°	2076.8	2075.7	2063.8	2044.5	2019.5	1993.4	1949.1	1910.6	1864.6	1817.5	1772.1
20°	2193.7	2187.5	2169.9	2147.7	2101.8	2064.9	2009.9	1957.1	1896.9	1837.9	1785.1
22.5°	2340.1	2319.7	2302.1	2268.0	2215.3	2151.1	2089.3	2012.7	1928.7	1859.5	1793.7
25°	2463.8	2454.7	2436.0	2398.0	2337.8	2260.7	2168.7	2081.9	1976.4	1884.5	1798.8
27.5°	2538.7	2534.7	2523.4	2487.6	2437.7	2361.1	2262.9	2152.3	2032.6	1908.3	1805.6
30°	2485.4	2485.9	2492.2	2488.2	2466.1	2416.7	2329.3	2218.1	2079.6	1936.7	1807.3
32.5°	2256.1	2271.4	2320.2	2343.5	2374.7	2384.9	2345.8	2253.3	2119.4	1965.0	1813.0
35°	1944.0	1981.5	2014.4	2082.5	2163.6	2230.0	2268.6	2238.5	2135.8	1984.3	1815.8
37.5°	1650.1	1647.3	1698.3	1772.1	1858.3	1971.3	2080.8	2140.9	2107.5	1980.3	1810.7
40°	1344.8	1370.9	1402.7	1468.0	1569.0	1708.0	1838.5	1967.3	2013.8	1945.2	1790.8
42.5°	1136.0	1147.9	1179.7	1230.8	1303.4	1445.3	1574.1	1739.8	1858.9	1866.9	1747.1
45°	976.0	989.0	998.1	1048.6	1116.1	1211.5	1343.7	1510.5	1670.5	1739.8	1676.2
47.5°	847.7	855.1	875.0	905.6	949.9	1034.4	1140.0	1291.5	1465.7	1600.2	1578.6
50°	751.3	757.0	772.8	789.9	826.2	888.6	973.7	1098.0	1265.4	1412.3	1460.6
52.5°	666.2	673.5	681.5	697.9	731.4	773.4	842.6	939.7	1095.1	1245.5	1322.1
55°	596.9	599.8	608.3	620.8	646.3	678.1	733.1	821.1	930.0	1079.8	1185.4
57.5°	536.8	534.0	543.0	551.5	568.6	595.2	635.0	700.2	804.1	931.7	1041.8
60°	472.1	474.9	481.8	488.6	500.5	523.7	555.0	607.2	683.2	797.8	910.2
62.5°	416.5	418.8	420.5	430.1	440.9	457.4	482.9	525.4	588.4	683.2	783.6
65°	370.0	366.0	368.3	375.1	383.6	397.2	421.0	452.2	499.3	576.5	659.9
67.5°	315.5	316.6	317.2	321.2	328.5	341.6	358.6	384.2	422.7	483.5	556.7
70°	269.0	269.5	270.1	273.5	279.7	287.1	299.0	318.9	351.8	398.9	456.2
72.5°	221.3	223.6	223.6	226.4	230.9	234.9	246.3	262.7	287.7	325.1	373.4
75°	173.6	177.6	178.7	182.1	186.1	187.3	195.8	208.8	224.7	255.3	293.4
77.5°	135.0	135.0	137.3	141.3	141.3	144.7	153.8	159.4	171.9	192.9	221.9
80°	95.3	97.0	97.0	98.2	100.4	103.3	107.2	112.4	123.1	138.5	153.8
82.5°	62.4	63.0	63.6	66.4	65.3	68.1	69.8	76.0	81.1	88.5	98.2
85°	32.9	32.9	33.5	35.2	36.9	37.5	38.6	41.4	45.4	48.8	54.5
87.5°	13.6	13.1	13.1	14.2	14.2	14.8	15.3	16.5	18.7	18.7	21.0
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°	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3
2.5°	1450.4	1445.8	1437.9	1431.1	1422.6	1416.3	1410.1	1402.1	1394.2	1385.7	1376.6
5°	1508.2	1494.6	1479.3	1464.0	1445.8	1431.1	1415.2	1397.0	1381.7	1364.7	1346.5
7.5°	1574.6	1550.8	1524.1	1494.1	1465.7	1440.1	1414.0	1389.1	1366.4	1340.8	1315.9
10°	1638.8	1597.3	1563.8	1523.0	1482.7	1445.3	1409.5	1376.6	1343.7	1311.9	1281.3
12.5°	1682.4	1635.3	1593.4	1546.3	1499.2	1452.1	1405.0	1359.6	1320.4	1281.8	1249.5
15°	1712.5	1679.6	1624.0	1567.3	1505.4	1444.1	1390.8	1338.0	1291.5	1246.7	1208.1
17.5°	1731.2	1688.7	1634.2	1574.6	1506.5	1442.4	1378.3	1315.3	1262.0	1213.7	1170.1
20°	1736.3	1686.4	1629.7	1567.8	1499.7	1429.4	1357.3	1288.6	1230.8	1175.7	1131.5
22.5°	1731.2	1673.4	1612.6	1552.5	1481.0	1409.5	1334.0	1259.1	1192.7	1136.0	1089.5
25°	1722.7	1652.9	1589.4	1518.5	1452.1	1384.0	1306.2	1226.8	1157.6	1098.6	1046.3
27.5°	1712.0	1631.9	1553.6	1483.8	1411.8	1344.8	1273.3	1192.2	1120.1	1055.4	1006.6
30°	1699.5	1604.1	1517.3	1434.5	1366.4	1299.4	1229.6	1153.0	1080.4	1018.5	965.8
32.5°	1685.3	1574.6	1472.5	1383.4	1310.8	1248.9	1183.7	1110.5	1039.0	972.6	926.6
35°	1665.4	1534.3	1424.3	1327.8	1252.3	1185.4	1128.1	1063.9	993.0	931.2	883.5
37.5°	1642.2	1498.6	1375.5	1271.1	1188.8	1120.1	1067.3	1015.1	948.8	889.2	843.2
40°	1610.9	1455.5	1323.8	1210.9	1123.0	1055.4	1003.8	959.0	903.9	843.8	802.4
42.5°	1570.1	1407.8	1265.4	1145.1	1060.0	987.9	939.7	898.8	851.7	799.5	758.7
45°	1523.6	1353.3	1200.1	1082.1	989.6	920.9	873.8	837.0	801.2	754.7	716.7
47.5°	1450.9	1289.2	1141.1	1010.6	919.8	853.4	809.2	774.0	747.3	710.4	673.0
50°	1364.7	1216.6	1071.3	940.2	848.3	784.2	742.2	711.6	688.9	660.5	632.1
52.5°	1269.9	1134.9	994.7	872.1	780.2	719.5	675.2	648.0	633.3	610.6	588.4
55°	1159.3	1042.9	912.4	800.7	710.4	648.6	610.6	591.3	574.8	563.5	543.6
57.5°	1048.1	949.9	833.6	722.9	640.1	585.0	551.0	529.4	517.5	509.6	495.4
60°	926.6	849.4	742.8	646.9	573.1	520.9	490.8	473.2	462.5	457.9	448.3
62.5°	810.9	751.9	654.8	574.8	509.0	463.0	433.0	418.8	412.0	406.9	401.2
65°	696.8	650.3	573.7	498.8	443.2	401.7	377.9	366.6	361.5	355.8	355.2
67.5°	594.1	551.5	490.3	429.0	382.5	347.3	326.3	314.9	309.3	309.8	307.0
70°	493.1	460.2	410.3	360.3	320.6	292.8	272.9	265.6	263.3	262.7	260.5
72.5°	398.9	380.2	336.5	294.5	263.3	241.7	225.8	219.6	216.8	215.6	215.6
75°	316.1	302.4	265.0	233.2	209.4	191.8	181.0	176.5	172.5	174.8	173.1
77.5°	237.2	225.8	200.3	177.6	159.4	144.7	139.6	135.6	133.3	132.8	135.0
80°	166.8	160.0	144.1	126.0	112.4	103.8	100.4	97.0	95.3	94.2	95.3
82.5°	107.2	103.3	91.9	81.1	73.2	68.7	65.3	63.6	60.7	61.3	62.4
85°	58.4	57.3	49.9	46.5	39.2	38.6	36.3	34.6	35.2	34.0	35.7
87.5°	23.8	22.7	21.0	19.3	17.0	15.3	14.2	15.3	13.6	15.3	14.8
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°	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3
2.5°	1372.1	1365.8	1358.4	1351.6	1341.4	1334.6	1331.2	1332.3	1328.4	1327.2	1326.7
5°	1335.7	1321.6	1307.9	1296.6	1284.7	1271.1	1261.4	1258.6	1257.4	1254.6	1248.4
7.5°	1298.3	1280.1	1262.5	1246.1	1229.1	1213.2	1203.5	1195.6	1191.0	1183.1	1181.4
10°	1258.6	1236.4	1217.7	1193.9	1173.5	1157.0	1144.5	1137.7	1133.7	1126.4	1120.1
12.5°	1220.6	1197.3	1168.3	1146.8	1125.2	1108.2	1094.0	1082.7	1079.8	1070.2	1065.1
15°	1179.7	1151.3	1125.2	1100.3	1079.8	1058.3	1049.8	1039.5	1029.3	1020.8	1019.1
17.5°	1140.5	1106.5	1081.0	1056.6	1031.6	1015.7	1004.4	997.6	989.6	985.1	977.1
20°	1093.4	1065.6	1037.3	1014.6	993.0	979.4	964.1	957.8	952.2	941.4	938.0
22.5°	1053.7	1020.2	996.4	973.7	954.4	935.1	924.4	918.1	909.6	903.9	899.4
25°	1012.3	984.5	954.4	931.7	915.3	896.0	888.6	880.7	873.3	868.2	863.6
27.5°	972.0	941.4	917.0	894.3	877.3	863.6	853.4	844.9	839.8	835.8	833.0
30°	930.0	901.7	879.0	858.0	838.7	827.3	817.7	814.3	808.6	805.8	801.2
32.5°	892.0	863.1	841.5	823.3	806.3	795.0	789.3	784.2	778.5	773.4	772.8
35°	848.9	823.9	804.1	784.2	771.7	762.6	756.4	751.3	746.7	742.8	740.5
37.5°	810.9	787.0	764.9	750.7	737.1	729.2	722.3	720.6	716.1	716.7	713.3
40°	770.0	748.4	729.7	715.5	706.5	697.9	693.4	687.7	684.9	685.5	682.6
42.5°	730.3	710.4	693.4	680.4	670.7	664.5	660.5	656.0	652.5	650.3	649.7
45°	690.0	672.4	658.2	645.2	637.2	631.6	626.4	620.8	617.9	616.8	616.2
47.5°	650.3	634.4	619.1	610.0	602.6	597.5	592.4	587.9	585.6	583.9	581.1
50°	609.4	593.5	582.8	571.4	565.2	558.4	552.7	550.4	547.6	547.0	549.8
52.5°	566.9	554.4	544.7	535.7	528.3	520.9	515.2	512.4	514.1	514.1	517.5
55°	526.6	513.5	504.4	497.1	489.1	482.3	476.6	476.6	476.6	480.0	484.6
57.5°	481.8	470.4	463.6	455.1	447.7	443.2	439.2	438.6	440.9	446.6	451.7
60°	436.4	428.4	421.0	414.2	406.9	403.4	402.9	401.7	405.1	410.8	421.6
62.5°	391.5	386.4	377.3	373.9	367.7	363.7	363.7	364.9	370.0	379.0	388.7
65°	348.4	341.0	334.2	330.8	326.8	323.4	323.4	328.0	335.4	343.9	355.8
67.5°	304.1	297.9	293.4	290.0	285.4	283.7	285.4	290.5	299.6	308.1	320.6
70°	256.5	255.3	251.4	246.8	244.6	244.6	246.3	251.9	258.8	271.8	282.6
72.5°	212.8	212.8	210.5	207.7	206.0	207.7	208.8	214.5	223.0	234.4	246.3
75°	173.1	171.4	169.7	168.5	168.0	169.1	170.8	175.3	185.6	196.3	206.0
77.5°	133.9	132.8	131.1	132.2	132.2	132.8	137.9	143.0	148.7	157.2	167.4
80°	96.5	97.0	95.3	94.8	97.6	98.7	102.7	106.7	110.6	120.3	127.7
82.5°	63.6	64.7	64.1	65.3	66.4	66.4	70.9	74.9	78.3	85.1	90.8
85°	36.3	36.9	36.9	38.6	39.7	39.2	43.1	45.4	47.1	52.2	55.6
87.5°	15.9	16.5	17.0	17.0	17.0	19.3	19.9	21.0	21.6	22.7	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



TEST NUMBER: P243668

CATALOG NUMBER: S125DRP-H1090D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1399.3	1399.3	1399.3	1399.3
2.5°	1321.6	1321.0	1323.8	1325.5
5°	1244.4	1242.7	1240.4	1241.5
7.5°	1175.7	1171.2	1170.1	1170.1
10°	1115.0	1110.5	1109.3	1107.6
12.5°	1063.4	1056.6	1053.7	1050.9
15°	1014.6	1013.4	1007.2	1001.0
17.5°	969.7	971.4	965.2	962.4
20°	932.3	927.2	924.9	923.8
22.5°	894.3	890.3	890.3	886.3
25°	860.2	856.8	857.4	853.4
27.5°	828.5	827.9	827.3	826.2
30°	798.9	796.7	794.4	795.5
32.5°	770.6	767.2	765.5	764.9
35°	741.1	739.9	737.7	736.5
37.5°	712.1	712.7	709.9	709.3
40°	680.9	680.4	679.8	678.7
42.5°	648.0	646.3	647.4	646.9
45°	615.1	613.4	614.5	612.8
47.5°	582.8	583.9	583.9	584.5
50°	551.0	553.2	553.2	555.0
52.5°	521.5	526.0	526.0	525.4
55°	489.7	494.8	496.5	497.1
57.5°	459.6	464.7	469.8	471.0
60°	427.3	436.4	441.5	442.6
62.5°	398.3	406.9	413.7	414.2
65°	366.0	376.2	382.5	384.7
67.5°	333.1	341.0	349.5	352.9
70°	295.6	305.3	311.0	313.2
72.5°	256.5	267.3	274.6	275.8
75°	219.0	227.0	232.6	233.8
77.5°	176.5	184.4	189.5	190.7
80°	133.9	140.7	144.1	146.4
82.5°	94.8	99.3	101.0	103.3
85°	58.4	61.9	62.4	62.4
87.5°	25.5	26.1	26.1	27.2
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243668
 CATALOG NUMBER: S125DRP-H1090D830-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	18.82	20.39	19.18	20.70	21.02	18.56	20.13	18.92	20.44	20.76
	3H	20.17	21.58	20.55	21.91	22.27	19.98	21.40	20.36	21.72	22.08
	4H	20.65	21.98	21.05	22.33	22.70	20.47	21.80	20.87	22.15	22.52
	6H	20.96	22.19	21.37	22.55	22.94	20.79	22.01	21.20	22.38	22.77
	8H	21.03	22.20	21.46	22.59	22.99	20.87	22.04	21.29	22.42	22.83
	12H	21.07	22.19	21.50	22.57	23.00	20.90	22.02	21.33	22.41	22.84
4H	2H	20.20	21.53	20.60	21.88	22.26	19.62	20.95	20.02	21.30	21.67
	3H	21.56	22.67	21.97	23.07	23.47	21.28	22.38	21.69	22.78	23.18
	4H	22.07	23.06	22.50	23.48	23.92	21.84	22.83	22.27	23.25	23.69
	6H	22.42	23.29	22.88	23.73	24.19	22.22	23.08	22.67	23.53	23.98
	8H	22.51	23.32	22.97	23.77	24.23	22.31	23.12	22.77	23.57	24.03
	12H	22.56	23.29	23.04	23.76	24.23	22.37	23.09	22.85	23.57	24.04
8H	4H	22.52	23.33	22.98	23.78	24.24	22.19	23.00	22.65	23.45	23.91
	6H	22.95	23.62	23.45	24.11	24.59	22.69	23.36	23.19	23.85	24.33
	8H	23.08	23.68	23.59	24.19	24.68	22.84	23.44	23.35	23.95	24.44
	12H	23.17	23.70	23.67	24.19	24.75	22.94	23.47	23.45	23.96	24.53
12H	4H	22.56	23.29	23.04	23.77	24.24	22.21	22.94	22.69	23.41	23.89
	6H	23.02	23.63	23.53	24.13	24.62	22.74	23.34	23.25	23.85	24.34
	8H	23.20	23.73	23.71	24.22	24.79	22.94	23.48	23.45	23.97	24.53