

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: P242809

Luminaire Tested: S125DRP-S1270D830-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DRP-S1270D830-X4F0-XX-UDD-A-W
Description: DEFINE 5 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

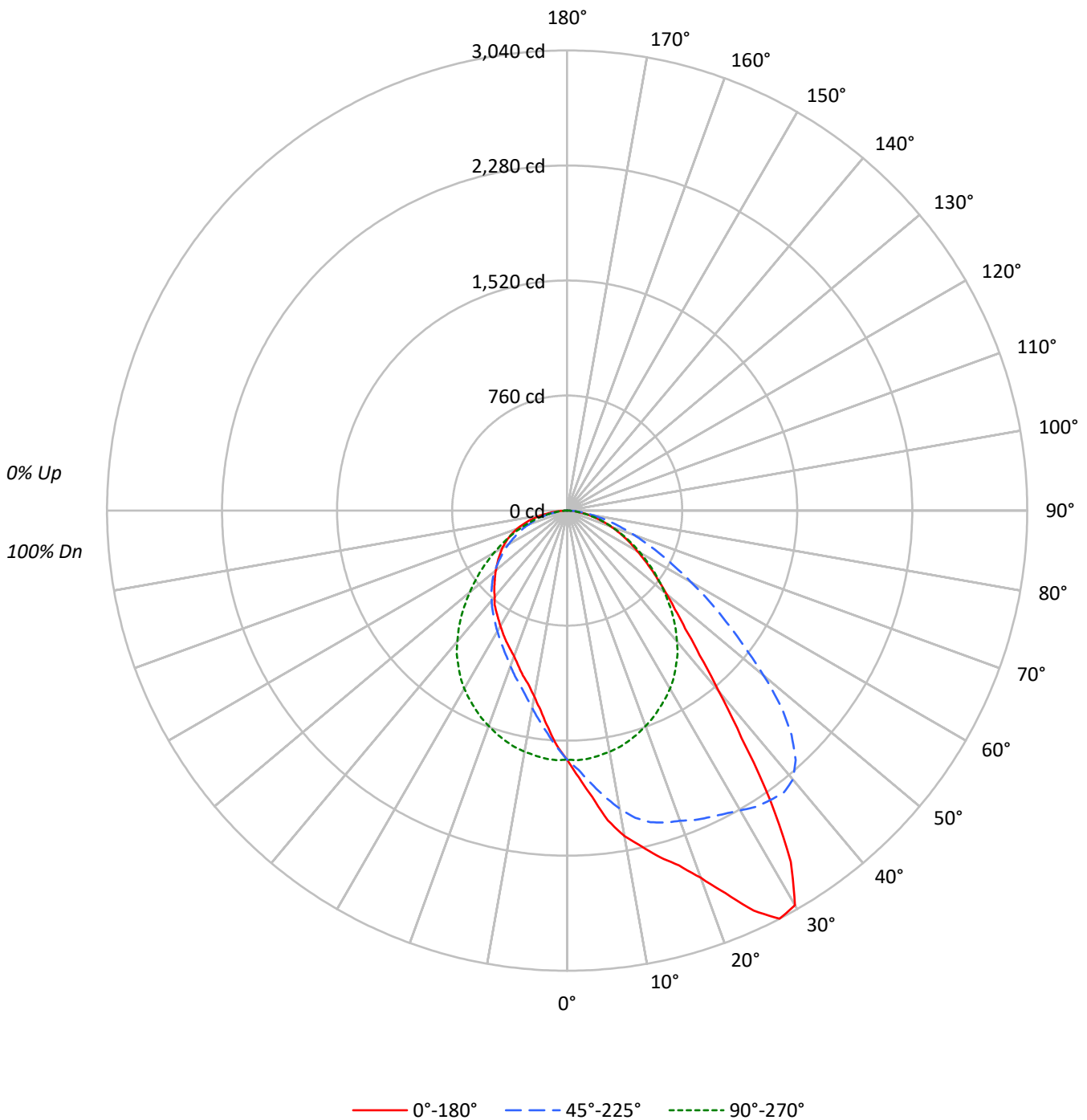
Lumens per Lamp: N/A
Luminaire Lumens: 4643.6 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.53
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 41.1
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	98	90	84	79	87	82	78	84	80	76	81	77	74	72					72			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61					61			
4	84	73	64	58	82	71	63	57	69	62	57	67	61	56	64	59	55	53					53			
5	78	65	56	50	76	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	41					41			
7	67	53	45	39	65	53	45	39	51	44	39	50	43	38	48	42	38	36					36			
8	62	49	41	35	61	48	40	35	47	40	34	46	39	34	44	39	34	32					32			
9	58	45	37	31	57	44	37	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°	11695	11695	11695	11695	11695
5°	13543	12901	11735	10554	10275
10°	15757	14426	11674	9562	9002
15°	17442	15679	11589	8788	8305
20°	19524	16492	11453	8277	7744
25°	22872	17522	11300	7848	7471
30°	24704	18767	11148	7560	7234
35°	20312	20270	10866	7363	7078
40°	14437	21527	10472	7200	6907
45°	11092	21068	9941	7055	6810
50°	9468	18743	9282	6881	6796
55°	8430	15915	8637	6629	6855
60°	7605	13443	7932	6394	7029
65°	7025	11453	7223	6073	7211
70°	6386	9738	6488	5661	7315
75°	5638	8323	5715	5218	7250
80°	4744	6831	4658	4433	6631
85°	3759	4958	3360	3645	5358

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 21068 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.4	3.4
10°-20°	471.7	10.2
20°-30°	766.3	16.5
30°-40°	936.4	20.2
40°-50°	849.6	18.3
50°-60°	676.6	14.6
60°-70°	471.3	10.1
70°-80°	251.0	5.4
80°-90°	62.3	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°	1396.4	30.1
0°-40°	2332.8	50.2
0°-60°	3859.0	83.1
0°-90°	4643.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4643.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1646	1646	1646	1646	1646	
5°	1898	1808	1645	1479	1440	191
15°	2370	2131	1575	1194	1129	678
25°	2917	2234	1441	1001	953	1336
35°	2341	2336	1252	849	816	1436
45°	1104	2096	989	702	678	878
55°	680	1284	697	535	553	612
65°	418	681	430	361	429	414
75°	205	303	208	190	264	221
85°	46	61	41	45	66	54
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°	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5
2.5°	1764.2	1761.4	1758.6	1753.1	1757.2	1745.4	1739.8	1730.0	1718.1	1713.9	1709.1
5°	1898.3	1901.8	1905.3	1890.6	1892.0	1882.3	1859.9	1841.8	1827.1	1808.2	1795.0
7.5°	2064.6	2054.1	2054.8	2045.7	2029.6	2016.4	1994.7	1964.7	1937.4	1906.7	1880.2
10°	2183.3	2184.0	2177.7	2166.5	2149.1	2136.5	2105.8	2076.4	2040.8	1998.9	1968.9
12.5°	2272.7	2276.2	2267.8	2251.7	2245.4	2213.3	2191.0	2154.6	2110.6	2079.2	2029.6
15°	2370.5	2362.8	2357.2	2338.3	2323.7	2294.3	2255.9	2219.6	2173.5	2130.9	2088.3
17.5°	2457.1	2463.4	2454.3	2440.3	2397.0	2362.8	2315.3	2269.2	2214.0	2160.9	2111.3
20°	2581.4	2587.0	2570.9	2540.9	2486.4	2452.2	2384.4	2320.2	2253.8	2180.5	2124.6
22.5°	2736.4	2729.5	2706.4	2656.8	2611.4	2540.9	2466.1	2384.4	2297.1	2211.9	2133.0
25°	2916.6	2887.3	2874.0	2817.5	2755.3	2662.4	2561.8	2447.3	2343.9	2234.3	2139.3
27.5°	3039.6	3027.7	3008.8	2962.7	2891.5	2786.0	2667.3	2530.4	2391.4	2257.3	2137.9
30°	3010.2	3011.6	3013.0	3000.4	2958.5	2883.8	2765.8	2615.6	2442.4	2286.7	2142.8
32.5°	2750.4	2781.8	2811.9	2851.0	2876.1	2876.8	2814.0	2682.0	2502.5	2320.2	2140.0
35°	2341.1	2348.8	2427.7	2506.0	2612.1	2694.5	2749.7	2689.6	2539.5	2336.2	2137.9
37.5°	1892.7	1931.2	1990.5	2078.5	2237.8	2367.7	2538.1	2596.8	2526.2	2349.5	2137.2
40°	1556.1	1591.0	1626.6	1716.7	1845.9	2012.2	2212.6	2383.7	2423.5	2320.2	2116.2
42.5°	1296.3	1322.1	1362.6	1424.8	1527.5	1669.9	1859.2	2096.0	2258.0	2235.0	2072.2
45°	1103.5	1121.0	1151.7	1205.5	1283.7	1399.0	1568.0	1812.4	2025.4	2096.0	1997.5
47.5°	966.6	967.3	992.5	1030.9	1090.2	1196.4	1322.8	1524.0	1753.8	1916.5	1893.4
50°	856.3	852.8	871.6	903.8	948.5	1013.4	1132.8	1285.8	1504.4	1695.1	1748.2
52.5°	761.3	762.7	772.5	794.1	829.7	882.8	964.5	1098.6	1277.4	1474.4	1586.1
55°	680.3	677.5	690.7	706.8	734.0	770.4	834.6	940.1	1091.6	1284.4	1414.3
57.5°	602.0	609.7	615.3	626.5	650.2	675.4	732.7	813.7	938.7	1109.8	1247.4
60°	535.0	542.7	546.9	558.0	576.2	597.2	639.1	701.9	803.2	945.7	1081.9
62.5°	474.9	480.5	481.2	491.0	505.0	525.2	555.9	606.2	681.0	801.1	933.8
65°	417.7	417.7	420.5	430.9	437.9	456.1	481.2	519.6	583.9	681.0	794.8
67.5°	361.8	365.3	364.6	369.5	375.8	391.1	410.0	442.1	493.1	566.4	660.7
70°	307.3	310.1	309.4	312.9	319.9	329.0	343.6	373.7	407.9	468.6	546.9
72.5°	258.4	259.1	257.0	261.9	265.4	273.1	289.8	302.4	333.8	382.7	443.5
75°	205.3	206.7	208.1	210.9	215.1	219.3	227.7	243.8	264.7	303.1	344.3
77.5°	163.4	159.9	164.1	163.4	165.5	169.0	176.7	185.8	203.9	229.8	264.0
80°	115.9	116.6	116.6	117.3	120.8	122.9	129.2	135.5	148.8	166.9	189.3
82.5°	76.8	78.9	77.5	78.9	81.7	83.1	85.9	90.8	97.1	110.4	125.0
85°	46.1	42.6	44.0	45.4	45.4	46.1	48.9	51.0	55.2	60.8	67.0
87.5°	16.8	18.2	18.9	18.9	19.6	19.6	22.3	22.3	24.4	26.5	29.3
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°	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5
2.5°	1704.9	1700.0	1694.4	1684.6	1672.7	1666.4	1656.7	1650.4	1637.8	1627.3	1616.2
5°	1778.9	1760.7	1744.0	1722.3	1698.6	1683.2	1665.1	1644.8	1623.8	1602.2	1578.4
7.5°	1852.9	1822.9	1790.1	1755.8	1722.3	1690.9	1661.6	1631.5	1604.3	1570.1	1541.4
10°	1927.7	1887.2	1843.8	1792.9	1743.3	1700.0	1656.0	1617.6	1578.4	1536.5	1499.5
12.5°	2002.4	1945.1	1879.5	1822.2	1760.0	1705.6	1651.8	1600.1	1548.4	1500.9	1456.2
15°	2029.6	1982.1	1925.6	1845.9	1778.9	1707.0	1638.5	1575.0	1515.6	1463.9	1409.4
17.5°	2056.2	1995.4	1935.3	1858.5	1771.2	1693.7	1616.2	1547.0	1481.4	1416.4	1366.8
20°	2062.5	1999.6	1936.0	1861.3	1771.2	1679.0	1601.5	1514.2	1442.3	1374.5	1310.3
22.5°	2060.4	1987.0	1916.5	1839.0	1751.7	1668.5	1570.8	1481.4	1401.7	1335.4	1267.6
25°	2045.0	1968.9	1882.3	1804.7	1718.1	1628.0	1533.0	1440.9	1361.2	1285.1	1218.8
27.5°	2035.9	1939.5	1844.5	1755.1	1672.0	1588.9	1496.7	1401.7	1314.4	1236.9	1175.5
30°	2015.7	1907.4	1797.1	1702.8	1616.9	1536.5	1450.6	1358.4	1266.2	1190.8	1123.8
32.5°	1997.5	1866.9	1748.9	1644.1	1551.9	1474.4	1396.9	1310.3	1220.2	1143.3	1076.3
35°	1973.1	1827.1	1693.7	1577.7	1480.7	1400.3	1334.0	1252.3	1169.2	1095.1	1030.9
37.5°	1944.4	1775.4	1634.3	1513.5	1408.0	1324.2	1261.4	1197.8	1114.7	1042.1	984.8
40°	1909.5	1719.5	1568.0	1443.7	1333.3	1245.3	1188.0	1128.7	1062.3	996.0	934.5
42.5°	1865.5	1669.2	1500.9	1364.7	1255.8	1170.6	1109.8	1061.6	1005.0	944.3	888.4
45°	1809.6	1606.4	1427.6	1283.7	1173.4	1088.8	1026.7	989.0	945.0	886.3	838.1
47.5°	1735.6	1535.1	1350.8	1202.0	1088.2	1009.9	950.6	913.5	881.4	835.3	789.9
50°	1630.1	1453.4	1266.2	1118.9	1005.0	926.1	872.3	839.5	813.0	779.4	742.4
52.5°	1512.1	1350.8	1183.1	1037.9	925.4	847.9	795.5	767.6	746.6	725.0	688.6
55°	1385.7	1246.0	1086.8	948.5	844.4	768.3	722.2	697.0	678.9	660.7	638.4
57.5°	1249.5	1136.3	990.4	861.2	764.8	693.5	650.2	624.4	609.7	599.9	586.0
60°	1104.2	1010.6	889.1	773.9	680.3	618.8	576.9	558.0	546.2	538.5	528.7
62.5°	969.4	896.8	786.4	683.8	604.8	547.6	511.2	493.1	481.9	479.1	471.4
65°	837.4	778.0	685.2	597.9	528.0	478.4	447.0	429.5	422.5	418.4	419.1
67.5°	704.7	666.3	588.8	511.9	454.7	410.7	384.8	371.6	368.1	361.8	361.8
70°	585.3	558.0	495.2	430.2	380.6	348.5	326.2	312.2	308.7	305.9	305.2
72.5°	479.8	456.8	404.4	355.5	312.2	285.0	267.5	260.5	254.2	252.8	252.8
75°	376.5	363.2	319.9	278.7	247.9	228.4	215.8	208.1	203.9	203.2	203.9
77.5°	284.3	271.7	241.7	210.9	190.7	175.3	163.4	161.3	155.7	156.4	155.1
80°	201.1	193.5	176.0	153.0	136.9	124.3	118.7	113.8	112.4	110.4	112.4
82.5°	132.0	123.6	113.1	100.6	88.0	81.7	76.1	75.4	74.7	74.0	74.0
85°	71.9	72.6	65.7	54.5	48.9	44.7	41.2	41.2	40.5	39.8	40.5
87.5°	30.7	29.3	26.5	24.4	21.0	18.9	18.2	18.9	16.8	16.1	16.8
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°	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5
2.5°	1609.9	1602.2	1595.9	1581.9	1574.3	1563.8	1555.4	1564.5	1554.7	1558.9	1552.6
5°	1566.6	1547.0	1533.0	1512.8	1495.3	1479.3	1467.4	1465.3	1459.7	1456.9	1448.5
7.5°	1514.9	1492.5	1469.5	1444.3	1423.4	1401.0	1387.8	1375.2	1367.5	1357.7	1350.1
10°	1470.2	1437.4	1409.4	1377.3	1349.4	1324.9	1305.4	1295.6	1286.5	1273.2	1268.3
12.5°	1415.0	1380.8	1345.2	1310.3	1283.7	1255.8	1239.7	1223.6	1218.1	1202.7	1202.0
15°	1373.1	1322.1	1288.6	1253.7	1216.7	1194.3	1180.3	1164.3	1157.3	1146.8	1139.1
17.5°	1321.4	1275.3	1233.4	1197.8	1164.3	1146.1	1128.0	1116.8	1104.9	1097.2	1084.7
20°	1264.2	1220.9	1178.9	1140.5	1116.1	1094.4	1080.5	1070.0	1057.4	1053.9	1041.4
22.5°	1216.0	1167.1	1127.3	1096.5	1069.3	1044.1	1028.8	1022.5	1014.8	1002.2	1002.2
25°	1162.9	1113.3	1079.1	1046.9	1023.2	1000.8	990.4	981.3	972.9	965.2	962.4
27.5°	1118.2	1074.2	1032.3	1002.9	982.7	961.7	952.7	940.8	934.5	928.2	919.8
30°	1070.7	1025.3	989.7	961.7	939.4	921.2	911.4	903.8	898.2	892.6	888.4
32.5°	1021.8	980.6	946.4	919.1	896.8	884.2	875.8	870.9	864.7	857.7	852.1
35°	979.9	933.8	900.3	876.5	859.1	848.6	838.8	833.9	826.9	826.9	821.4
37.5°	930.3	889.8	859.8	838.1	822.7	813.0	801.8	799.0	794.1	791.3	789.2
40°	887.0	850.0	822.0	800.4	783.6	776.0	767.6	762.0	759.2	755.7	754.3
42.5°	842.3	807.4	780.8	761.3	747.3	741.0	733.3	729.9	723.6	718.7	718.0
45°	796.9	762.7	738.2	722.2	709.6	701.9	697.0	688.6	685.9	680.3	679.6
47.5°	755.0	721.5	697.0	683.8	672.6	667.0	659.3	650.2	646.7	643.3	642.6
50°	706.8	676.8	654.4	641.9	631.4	622.3	614.6	609.0	606.9	606.9	608.3
52.5°	657.9	633.5	615.3	599.3	589.5	579.7	572.7	569.9	566.4	570.6	573.4
55°	610.4	584.6	570.6	555.9	546.2	535.0	531.5	530.1	528.0	533.6	536.4
57.5°	559.4	542.0	525.2	509.9	501.5	494.5	488.9	488.2	492.4	493.8	502.2
60°	511.2	490.3	475.6	464.5	454.0	449.8	448.4	447.0	449.8	457.5	469.3
62.5°	458.2	442.1	426.0	418.4	411.4	403.7	403.7	405.1	411.4	420.5	432.3
65°	406.5	391.8	381.3	371.6	365.3	361.1	362.5	365.3	371.6	383.4	396.7
67.5°	353.4	343.6	333.8	324.8	318.5	319.2	319.9	323.4	331.1	345.0	357.6
70°	302.4	291.2	283.6	280.1	275.2	272.4	276.6	283.6	289.8	302.4	312.9
72.5°	251.4	242.4	236.8	234.7	233.3	231.2	231.9	239.6	248.6	261.2	273.8
75°	201.1	197.7	193.5	190.7	188.6	190.0	191.4	198.4	205.3	218.6	232.6
77.5°	155.7	151.6	148.8	148.1	146.7	147.4	150.9	156.4	163.4	173.2	184.4
80°	111.1	109.7	108.3	107.6	107.6	108.3	113.8	117.3	123.6	132.7	141.1
82.5°	73.3	72.6	72.6	72.6	73.3	73.3	76.1	81.0	85.9	92.2	99.2
85°	42.6	41.2	43.3	44.0	42.6	44.7	46.1	48.9	51.0	54.5	58.0
87.5°	17.5	18.9	18.2	18.9	18.9	20.3	19.6	22.3	23.7	25.1	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: P242809

CATALOG NUMBER: S125DRP-S1270D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1645.5	1645.5	1645.5	1645.5
2.5°	1548.4	1553.3	1549.1	1554.7
5°	1445.0	1438.8	1443.0	1440.2
7.5°	1349.4	1343.8	1335.4	1332.6
10°	1260.7	1253.0	1252.3	1247.4
12.5°	1195.7	1188.7	1178.9	1177.5
15°	1134.9	1129.4	1124.5	1128.7
17.5°	1083.3	1078.4	1077.0	1072.8
20°	1035.1	1031.6	1033.0	1023.9
22.5°	996.7	989.0	987.6	987.6
25°	956.1	952.7	949.2	952.7
27.5°	920.5	917.0	915.6	916.3
30°	888.4	881.4	882.1	881.4
32.5°	853.5	849.3	847.9	846.5
35°	819.3	819.3	815.8	815.8
37.5°	787.8	787.1	785.0	786.4
40°	751.5	750.8	748.7	744.5
42.5°	716.6	713.8	713.1	712.4
45°	679.6	679.6	678.2	677.5
47.5°	643.3	644.6	647.4	646.7
50°	611.1	611.8	613.9	614.6
52.5°	575.5	580.4	583.2	582.5
55°	542.7	547.6	552.5	553.2
57.5°	509.9	516.1	521.0	522.4
60°	476.3	485.4	491.7	494.5
62.5°	444.2	454.7	461.0	461.0
65°	408.6	419.1	424.6	428.8
67.5°	371.6	382.0	387.6	391.1
70°	330.4	340.8	349.2	352.0
72.5°	289.8	298.9	305.2	308.7
75°	241.7	254.2	260.5	264.0
77.5°	195.6	208.1	211.6	213.7
80°	149.5	156.4	161.3	162.0
82.5°	106.2	111.7	112.4	114.5
85°	62.9	65.7	66.4	65.7
87.5°	25.8	25.1	25.1	26.5
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242809
 CATALOG NUMBER: S125DRP-S1270D830-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	19.20	20.77	19.56	21.08	21.40	19.17	20.74	19.54	21.06	21.37
	3H	20.57	21.98	20.95	22.31	22.67	20.60	22.01	20.98	22.34	22.70
	4H	21.06	22.39	21.46	22.74	23.11	21.09	22.41	21.49	22.76	23.14
	6H	21.40	22.63	21.81	22.99	23.38	21.40	22.63	21.82	22.99	23.39
	8H	21.49	22.66	21.92	23.05	23.45	21.48	22.65	21.91	23.04	23.44
	12H	21.54	22.66	21.97	23.04	23.47	21.52	22.64	21.95	23.02	23.45
4H	2H	20.71	22.03	21.11	22.38	22.76	20.25	21.58	20.65	21.92	22.30
	3H	22.05	23.16	22.46	23.55	23.95	21.91	23.02	22.32	23.42	23.82
	4H	22.56	23.55	22.99	23.97	24.41	22.47	23.46	22.90	23.88	24.31
	6H	22.93	23.80	23.39	24.24	24.70	22.84	23.71	23.30	24.15	24.61
	8H	23.03	23.84	23.50	24.29	24.75	22.94	23.75	23.40	24.19	24.66
	12H	23.10	23.82	23.58	24.30	24.77	22.99	23.72	23.47	24.20	24.67
8H	4H	23.04	23.85	23.51	24.30	24.76	22.81	23.62	23.27	24.06	24.53
	6H	23.49	24.17	23.99	24.66	25.13	23.31	23.98	23.81	24.47	24.95
	8H	23.64	24.24	24.15	24.75	25.24	23.46	24.06	23.97	24.57	25.06
	12H	23.74	24.27	24.25	24.76	25.33	23.56	24.09	24.07	24.58	25.14
12H	4H	23.09	23.82	23.57	24.29	24.76	22.83	23.55	23.31	24.03	24.50
	6H	23.58	24.18	24.09	24.69	25.17	23.36	23.96	23.87	24.47	24.96
	8H	23.77	24.30	24.28	24.79	25.36	23.56	24.10	24.07	24.59	25.15