

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: P243669

Luminaire Tested: S125DRP-H1270D830-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P243669
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-H1270D830-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

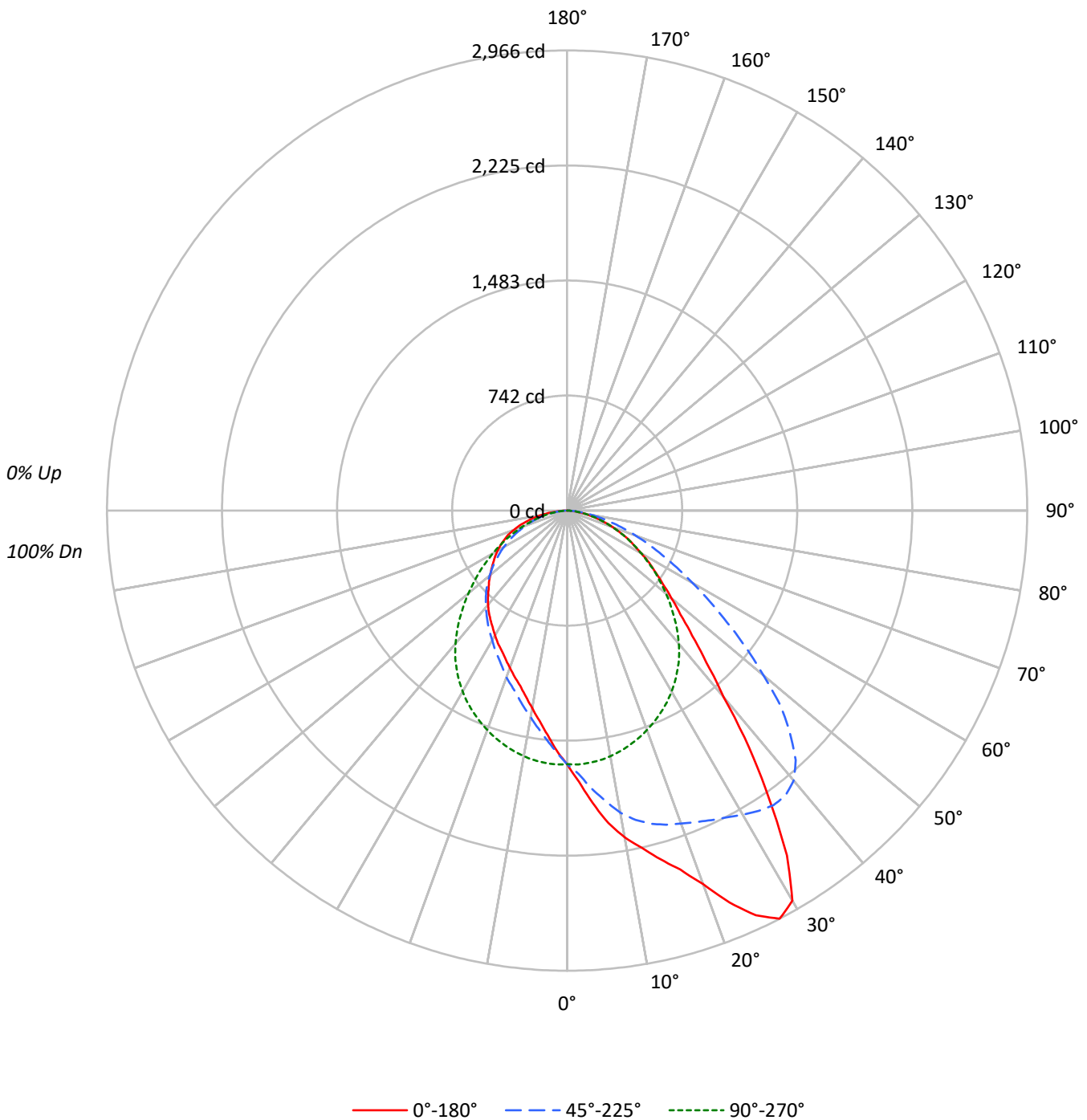
Lumens per Lamp: N/A
Luminaire Lumens: 4658.8 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.22 / 1.53
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 37.7
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°	11618	11618	11618	11618	11618
5°	13497	12816	11643	10593	10348
10°	15442	14270	11606	9754	9338
15°	17120	15374	11501	9097	8604
20°	19383	16239	11386	8653	8163
25°	22571	17264	11238	8208	7819
30°	23828	18567	11055	7932	7627
35°	19704	20113	10784	7730	7465
40°	14576	21082	10394	7564	7356
45°	11459	20428	9827	7416	7196
50°	9704	18243	9191	7213	7168
55°	8640	15630	8559	6981	7196
60°	7839	13248	7858	6699	7349
65°	7268	11327	7201	6354	7558
70°	6529	9684	6446	5937	7604
75°	5569	8192	5662	5423	7500
80°	4560	6618	4641	4719	6999
85°	3131	4648	3295	3727	5945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 20428 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	3.4
10°-20°	471.9	10.1
20°-30°	767.1	16.5
30°-40°	933.3	20.0
40°-50°	854.0	18.3
50°-60°	683.5	14.7
60°-70°	476.0	10.2
70°-80°	253.0	5.4
80°-90°	62.1	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°	1396.9	30.0
0°-40°	2330.2	50.0
0°-60°	3867.7	83.0
0°-90°	4658.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4658.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1635	1635	1635	1635	1635	
5°	1892	1796	1632	1485	1450	188
15°	2327	2089	1563	1236	1169	667
25°	2878	2201	1433	1047	997	1314
35°	2271	2318	1243	891	860	1408
45°	1140	2032	978	738	716	899
55°	697	1261	691	563	581	629
65°	432	674	428	378	449	425
75°	203	298	206	198	273	219
85°	38	57	40	46	73	50
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°	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6
2.5°	1750.0	1742.7	1740.7	1741.4	1737.4	1734.1	1726.1	1715.5	1708.2	1698.9	1696.3
5°	1891.8	1873.9	1877.3	1871.9	1863.3	1852.1	1842.1	1826.2	1811.0	1796.4	1777.2
7.5°	2031.0	2027.7	2018.4	2017.1	2003.2	1984.0	1964.1	1942.2	1909.7	1887.2	1861.3
10°	2139.7	2146.4	2133.1	2133.8	2109.3	2090.0	2072.8	2044.3	2007.8	1977.3	1939.6
12.5°	2227.2	2229.9	2227.9	2219.3	2203.4	2170.9	2154.3	2124.5	2084.7	2043.0	2013.8
15°	2326.7	2319.4	2308.1	2297.5	2274.3	2251.1	2216.6	2181.5	2131.1	2089.4	2046.9
17.5°	2426.1	2424.8	2410.9	2388.3	2359.2	2328.7	2277.0	2231.9	2178.2	2123.2	2070.1
20°	2562.7	2555.4	2534.8	2509.0	2455.3	2412.2	2347.9	2286.2	2216.0	2147.0	2085.4
22.5°	2733.7	2709.8	2689.3	2649.5	2587.9	2512.9	2440.7	2351.2	2253.1	2172.2	2095.3
25°	2878.2	2867.6	2845.7	2801.3	2731.0	2640.9	2533.5	2432.1	2308.8	2201.4	2101.3
27.5°	2965.7	2961.0	2947.8	2906.0	2847.7	2758.2	2643.5	2514.3	2374.4	2229.2	2109.3
30°	2903.4	2904.0	2911.3	2906.7	2880.8	2823.2	2721.1	2591.2	2429.4	2262.4	2111.2
32.5°	2635.6	2653.5	2710.5	2737.7	2774.1	2786.0	2740.3	2632.3	2475.8	2295.5	2117.9
35°	2271.0	2314.7	2353.2	2432.7	2527.5	2605.1	2650.2	2615.0	2495.0	2318.1	2121.2
37.5°	1927.6	1924.3	1984.0	2070.1	2170.9	2302.8	2430.8	2501.0	2461.9	2313.4	2115.2
40°	1571.0	1601.5	1638.6	1714.8	1832.8	1995.2	2147.7	2298.2	2352.5	2272.3	2092.0
42.5°	1327.1	1341.0	1378.1	1437.8	1522.6	1688.3	1838.8	2032.4	2171.6	2180.8	2041.0
45°	1140.1	1155.4	1166.0	1225.0	1303.9	1415.2	1569.7	1764.6	1951.5	2032.4	1958.1
47.5°	990.3	998.9	1022.1	1057.9	1109.6	1208.4	1331.7	1508.7	1712.2	1869.3	1844.1
50°	877.6	884.3	902.8	922.7	965.1	1038.1	1137.5	1282.7	1478.2	1649.9	1706.2
52.5°	778.2	786.8	796.1	815.3	854.4	903.5	984.4	1097.7	1279.3	1455.0	1544.5
55°	697.3	700.7	710.6	725.2	755.0	792.1	856.4	959.2	1086.4	1261.4	1384.7
57.5°	627.1	623.8	634.4	644.3	664.2	695.4	741.8	818.0	939.3	1088.4	1217.0
60°	551.5	554.8	562.8	570.7	584.7	611.8	648.3	709.3	798.1	932.0	1063.2
62.5°	486.5	489.2	491.2	502.5	515.1	534.3	564.1	613.8	687.4	798.1	915.4
65°	432.2	427.6	430.2	438.2	448.1	464.0	491.9	528.3	583.3	673.5	770.9
67.5°	368.6	369.9	370.5	375.2	383.8	399.0	418.9	448.8	493.8	564.8	650.3
70°	314.2	314.9	315.5	319.5	326.8	335.4	349.3	372.5	411.0	466.0	532.9
72.5°	258.5	261.2	261.2	264.5	269.8	274.4	287.7	306.9	336.1	379.8	436.2
75°	202.8	207.5	208.8	212.8	217.4	218.7	228.7	243.9	262.5	298.3	342.7
77.5°	157.8	157.8	160.4	165.1	165.1	169.0	179.6	186.3	200.9	225.4	259.2
80°	111.4	113.4	113.4	114.7	117.3	120.6	125.3	131.2	143.8	161.7	179.6
82.5°	72.9	73.6	74.2	77.6	76.2	79.5	81.5	88.8	94.8	103.4	114.7
85°	38.4	38.4	39.1	41.1	43.1	43.7	45.1	48.4	53.0	57.0	63.6
87.5°	15.9	15.2	15.2	16.6	16.6	17.2	17.9	19.2	21.9	21.9	24.5
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°	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6
2.5°	1694.3	1689.0	1679.7	1671.8	1661.8	1654.5	1647.2	1638.0	1628.7	1618.7	1608.1
5°	1761.9	1746.0	1728.1	1710.2	1689.0	1671.8	1653.2	1632.0	1614.1	1594.2	1573.0
7.5°	1839.5	1811.6	1780.5	1745.3	1712.2	1682.4	1651.9	1622.7	1596.2	1566.4	1537.2
10°	1914.4	1866.0	1826.9	1779.1	1732.1	1688.3	1646.6	1608.1	1569.7	1532.6	1496.8
12.5°	1965.4	1910.4	1861.3	1806.3	1751.3	1696.3	1641.3	1588.2	1542.5	1497.4	1459.6
15°	2000.5	1962.1	1897.1	1830.9	1758.6	1687.0	1624.7	1563.1	1508.7	1456.3	1411.3
17.5°	2022.4	1972.7	1909.1	1839.5	1759.9	1685.0	1610.1	1536.5	1474.2	1417.9	1366.8
20°	2028.4	1970.1	1903.8	1831.5	1752.0	1669.8	1585.6	1505.4	1437.8	1373.5	1321.8
22.5°	2022.4	1954.8	1883.9	1813.6	1730.1	1646.6	1558.4	1470.9	1393.4	1327.1	1272.7
25°	2012.5	1930.9	1856.7	1773.8	1696.3	1616.7	1525.9	1433.1	1352.3	1283.3	1222.3
27.5°	1999.9	1906.4	1814.9	1733.4	1649.2	1571.0	1487.5	1392.7	1308.5	1232.9	1175.9
30°	1985.3	1873.9	1772.5	1675.7	1596.2	1518.0	1436.4	1347.0	1262.1	1189.9	1128.2
32.5°	1968.7	1839.5	1720.2	1616.1	1531.2	1459.0	1382.8	1297.2	1213.7	1136.2	1082.5
35°	1945.5	1792.4	1663.8	1551.1	1463.0	1384.7	1317.8	1242.9	1160.0	1087.8	1032.1
37.5°	1918.4	1750.6	1606.8	1484.8	1388.7	1308.5	1246.9	1185.9	1108.3	1038.7	985.0
40°	1881.9	1700.3	1546.5	1414.6	1311.8	1232.9	1172.6	1120.3	1056.0	985.7	937.3
42.5°	1834.2	1644.6	1478.2	1337.7	1238.2	1154.1	1097.7	1050.0	995.0	934.0	886.3
45°	1779.8	1580.9	1402.0	1264.1	1156.0	1075.8	1020.8	977.7	936.0	881.6	837.2
47.5°	1695.0	1506.0	1333.0	1180.6	1074.5	997.0	945.3	904.2	873.0	829.9	786.2
50°	1594.2	1421.2	1251.5	1098.4	991.0	916.1	867.0	831.2	804.7	771.6	738.4
52.5°	1483.5	1325.7	1162.0	1018.8	911.4	840.5	788.8	757.0	739.8	713.2	687.4
55°	1354.2	1218.4	1065.9	935.3	829.9	757.7	713.2	690.7	671.5	658.2	635.0
57.5°	1224.3	1109.6	973.8	844.5	747.7	683.4	643.6	618.5	604.5	595.3	578.7
60°	1082.5	992.3	867.7	755.7	669.5	608.5	573.4	552.8	540.2	534.9	523.7
62.5°	947.2	878.3	765.0	671.5	594.6	540.9	505.8	489.2	481.2	475.3	468.7
65°	814.0	759.7	670.2	582.7	517.7	469.3	441.5	428.2	422.2	415.6	415.0
67.5°	694.0	644.3	572.7	501.1	446.8	405.7	381.2	367.9	361.3	361.9	358.6
70°	576.0	537.6	479.3	420.9	374.5	342.0	318.8	310.2	307.6	306.9	304.3
72.5°	466.0	444.1	393.1	344.0	307.6	282.4	263.8	256.5	253.2	251.9	251.9
75°	369.2	353.3	309.6	272.4	244.6	224.1	211.5	206.2	201.5	204.2	202.2
77.5°	277.1	263.8	234.0	207.5	186.3	169.0	163.1	158.4	155.8	155.1	157.8
80°	194.9	186.9	168.4	147.2	131.2	121.3	117.3	113.4	111.4	110.0	111.4
82.5°	125.3	120.6	107.4	94.8	85.5	80.2	76.2	74.2	70.9	71.6	72.9
85°	68.3	67.0	58.3	54.4	45.7	45.1	42.4	40.4	41.1	39.8	41.8
87.5°	27.8	26.5	24.5	22.5	19.9	17.9	16.6	17.9	15.9	17.9	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6	1634.6
2.5°	1602.8	1595.5	1586.9	1579.0	1567.0	1559.1	1555.1	1556.4	1551.8	1550.5	1549.8
5°	1560.4	1543.8	1527.9	1514.7	1500.7	1484.8	1473.6	1470.2	1468.9	1465.6	1458.3
7.5°	1516.7	1495.4	1474.9	1455.7	1435.8	1417.2	1406.0	1396.7	1391.4	1382.1	1380.1
10°	1470.2	1444.4	1422.5	1394.7	1370.8	1351.6	1337.0	1329.1	1324.4	1315.8	1308.5
12.5°	1425.8	1398.7	1364.9	1339.7	1314.5	1294.6	1278.0	1264.8	1261.4	1250.2	1244.2
15°	1378.1	1345.0	1314.5	1285.3	1261.4	1236.3	1226.3	1214.4	1202.4	1192.5	1190.5
17.5°	1332.4	1292.6	1262.8	1234.3	1205.1	1186.5	1173.3	1165.3	1156.0	1150.7	1141.5
20°	1277.4	1244.9	1211.7	1185.2	1160.0	1144.1	1126.2	1118.9	1112.3	1099.7	1095.7
22.5°	1231.0	1191.8	1164.0	1137.5	1115.0	1092.4	1079.8	1072.5	1062.6	1056.0	1050.7
25°	1182.6	1150.1	1115.0	1088.4	1069.2	1046.7	1038.1	1028.8	1020.2	1014.2	1008.9
27.5°	1135.5	1099.7	1071.2	1044.7	1024.8	1008.9	997.0	987.0	981.0	976.4	973.1
30°	1086.4	1053.3	1026.8	1002.3	979.7	966.5	955.2	951.2	944.6	941.3	936.0
32.5°	1042.0	1008.2	983.0	961.8	941.9	928.7	922.1	916.1	909.5	903.5	902.8
35°	991.7	962.5	939.3	916.1	901.5	890.9	883.6	877.6	872.3	867.7	865.0
37.5°	947.2	919.4	893.6	877.0	861.1	851.8	843.8	841.8	836.5	837.2	833.2
40°	899.5	874.3	852.5	835.9	825.3	815.3	810.0	803.4	800.1	800.7	797.4
42.5°	853.1	829.9	810.0	794.8	783.5	776.2	771.6	766.3	762.3	759.7	759.0
45°	806.1	785.5	768.9	753.7	744.4	737.8	731.8	725.2	721.9	720.5	719.9
47.5°	759.7	741.1	723.2	712.6	704.0	698.0	692.0	686.7	684.1	682.1	678.8
50°	711.9	693.4	680.8	667.5	660.2	652.3	645.6	643.0	639.7	639.0	642.3
52.5°	662.2	647.6	636.4	625.8	617.1	608.5	601.9	598.6	600.6	600.6	604.5
55°	615.1	599.9	589.3	580.7	571.4	563.4	556.8	556.8	556.8	560.8	566.1
57.5°	562.8	549.5	541.6	531.6	523.0	517.7	513.1	512.4	515.1	521.7	527.6
60°	509.7	500.5	491.9	483.9	475.3	471.3	470.6	469.3	473.3	479.9	492.5
62.5°	457.4	451.4	440.8	436.8	429.5	424.9	424.9	426.2	432.2	442.8	454.1
65°	407.0	398.4	390.4	386.5	381.8	377.8	377.8	383.1	391.8	401.7	415.6
67.5°	355.3	348.0	342.7	338.7	333.4	331.4	333.4	339.4	350.0	359.9	374.5
70°	299.6	298.3	293.7	288.3	285.7	285.7	287.7	294.3	302.3	317.5	330.1
72.5°	248.6	248.6	245.9	242.6	240.6	242.6	243.9	250.6	260.5	273.8	287.7
75°	202.2	200.2	198.2	196.9	196.2	197.5	199.5	204.8	216.8	229.4	240.6
77.5°	156.4	155.1	153.1	154.4	154.4	155.1	161.1	167.0	173.7	183.6	195.5
80°	112.7	113.4	111.4	110.7	114.0	115.3	120.0	124.6	129.3	140.5	149.1
82.5°	74.2	75.6	74.9	76.2	77.6	77.6	82.9	87.5	91.5	99.4	106.1
85°	42.4	43.1	43.1	45.1	46.4	45.7	50.4	53.0	55.0	61.0	65.0
87.5°	18.6	19.2	19.9	19.9	19.9	22.5	23.2	24.5	25.2	26.5	28.5
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: P243669

CATALOG NUMBER: S125DRP-H1270D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1634.6	1634.6	1634.6	1634.6
2.5°	1543.8	1543.2	1546.5	1548.5
5°	1453.7	1451.7	1449.0	1450.4
7.5°	1373.5	1368.2	1366.8	1366.8
10°	1302.5	1297.2	1295.9	1293.9
12.5°	1242.2	1234.3	1231.0	1227.6
15°	1185.2	1183.9	1176.6	1169.3
17.5°	1132.8	1134.8	1127.5	1124.2
20°	1089.1	1083.1	1080.5	1079.2
22.5°	1044.7	1040.0	1040.0	1035.4
25°	1004.9	1000.9	1001.6	997.0
27.5°	967.8	967.1	966.5	965.1
30°	933.3	930.7	928.0	929.3
32.5°	900.2	896.2	894.2	893.6
35°	865.7	864.4	861.7	860.4
37.5°	831.9	832.6	829.3	828.6
40°	795.4	794.8	794.1	792.8
42.5°	757.0	755.0	756.3	755.7
45°	718.6	716.6	717.9	715.9
47.5°	680.8	682.1	682.1	682.8
50°	643.6	646.3	646.3	648.3
52.5°	609.2	614.5	614.5	613.8
55°	572.1	578.0	580.0	580.7
57.5°	536.9	542.9	548.9	550.2
60°	499.1	509.7	515.7	517.0
62.5°	465.3	475.3	483.2	483.9
65°	427.6	439.5	446.8	449.4
67.5°	389.1	398.4	408.3	412.3
70°	345.4	356.6	363.3	365.9
72.5°	299.6	312.2	320.8	322.2
75°	255.9	265.1	271.8	273.1
77.5°	206.2	215.4	221.4	222.7
80°	156.4	164.4	168.4	171.0
82.5°	110.7	116.0	118.0	120.6
85°	68.3	72.3	72.9	72.9
87.5°	29.8	30.5	30.5	31.8
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P243669
 CATALOG NUMBER: S125DRP-H1270D830-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	19.36	20.93	19.72	21.24	21.56	19.10	20.67	19.46	20.98	21.30
	3H	20.71	22.12	21.09	22.45	22.81	20.52	21.94	20.90	22.26	22.62
	4H	21.19	22.52	21.59	22.87	23.24	21.01	22.34	21.41	22.69	23.06
	6H	21.50	22.73	21.91	23.09	23.48	21.33	22.55	21.74	22.92	23.31
	8H	21.57	22.75	22.00	23.13	23.53	21.41	22.58	21.83	22.96	23.36
	12H	21.61	22.73	22.04	23.11	23.54	21.44	22.56	21.87	22.95	23.38
4H	2H	20.74	22.07	21.14	22.42	22.80	20.16	21.49	20.56	21.84	22.21
	3H	22.10	23.21	22.51	23.61	24.01	21.82	22.92	22.23	23.32	23.72
	4H	22.61	23.60	23.04	24.02	24.46	22.38	23.37	22.81	23.79	24.23
	6H	22.96	23.83	23.42	24.27	24.73	22.76	23.62	23.21	24.07	24.52
	8H	23.05	23.86	23.51	24.31	24.77	22.85	23.66	23.31	24.11	24.57
	12H	23.10	23.83	23.58	24.30	24.77	22.91	23.63	23.39	24.11	24.58
8H	4H	23.06	23.87	23.52	24.32	24.78	22.73	23.54	23.19	23.99	24.45
	6H	23.49	24.16	23.99	24.65	25.13	23.23	23.91	23.73	24.39	24.87
	8H	23.62	24.22	24.13	24.73	25.22	23.38	23.98	23.89	24.49	24.98
	12H	23.71	24.24	24.21	24.73	25.29	23.48	24.01	23.99	24.50	25.07
12H	4H	23.10	23.83	23.59	24.31	24.78	22.75	23.48	23.23	23.95	24.43
	6H	23.56	24.17	24.07	24.67	25.16	23.28	23.88	23.79	24.39	24.88
	8H	23.74	24.27	24.25	24.76	25.33	23.48	24.02	23.99	24.51	25.07