

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: P242297

Luminaire Tested: S122DRP-S865D835-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2024
Report Number: P242297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DRP-S865D835-X4F0-XX-UDD-A-W
Description: DEFINE 2 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

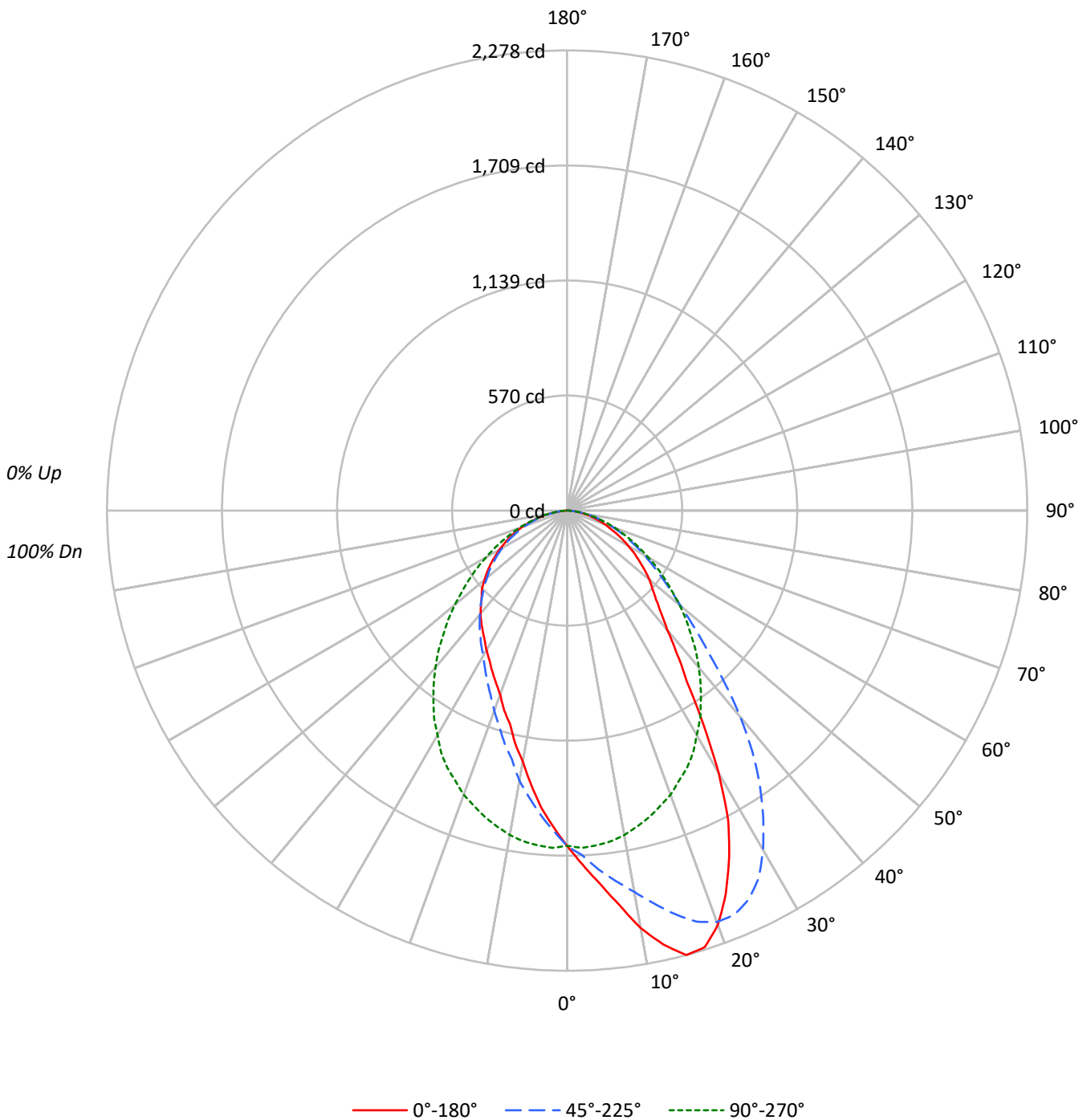
Lumens per Lamp: N/A
Luminaire Lumens: 3660.5 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.23
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

Input Watts (W): 34.8
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	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				86
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74				74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	74	69	66	64				64
4	86	75	66	60	83	73	66	60	71	64	59	69	63	58	66	62	58	55				55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49				49
6	74	61	53	47	72	60	52	46	58	51	46	57	51	46	55	50	45	43				43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39				39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35				35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32				32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29				29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	31606	31606	31606	31606	31606
5°	35432	34103	31811	28897	28191
10°	40604	37076	31550	26283	24397
15°	44917	40806	30972	23553	21554
20°	44234	43923	30350	21379	19648
25°	39886	44657	29524	19634	18442
30°	32961	42652	28206	18275	17560
35°	24023	38702	26825	17437	16933
40°	19186	33187	25196	16712	16585
45°	16766	26539	23312	15977	16114
50°	15759	21656	21487	15362	15797
55°	14529	18826	19630	14801	15376
60°	13314	16762	17661	14137	14720
65°	12129	15148	15892	13278	14085
70°	11010	13533	14168	12252	13138
75°	9759	11966	12246	10980	11635
80°	8391	10146	10146	9028	9379
85°	7518	8217	7518	6272	5573

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 65°
 Vertical Angle: 45°
 Luminance: 40660 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.0	4.3
10°-20°	460.0	12.6
20°-30°	667.6	18.2
30°-40°	703.8	19.2
40°-50°	622.7	17.0
50°-60°	497.1	13.6
60°-70°	337.6	9.2
70°-80°	172.8	4.7
80°-90°	40.8	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°	1285.6	35.1
0°-40°	1989.4	54.3
0°-60°	3109.2	84.9
0°-90°	3660.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3660.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1659	1659	1659	1659	1659	
5°	1853	1784	1664	1511	1474	184
15°	2278	2069	1571	1194	1093	631
25°	1898	2125	1405	934	878	861
35°	1033	1664	1154	750	728	669
45°	622	985	865	593	598	488
55°	438	567	591	446	463	392
65°	269	336	353	295	312	267
75°	133	163	166	149	158	141
85°	34	38	34	29	26	39
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°	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3
2.5°	1754.9	1755.6	1756.8	1746.6	1745.4	1745.4	1736.4	1728.8	1719.9	1707.7	1709.0
5°	1853.1	1860.2	1862.7	1855.1	1843.6	1842.3	1831.5	1813.6	1797.0	1783.6	1774.1
7.5°	1966.7	1969.2	1964.1	1955.2	1947.5	1932.9	1915.0	1897.8	1872.3	1849.3	1832.7
10°	2099.3	2103.1	2092.3	2077.6	2065.5	2047.6	2018.3	1988.3	1952.0	1916.9	1888.9
12.5°	2200.0	2210.9	2196.2	2197.5	2174.5	2148.4	2112.0	2100.6	2045.7	1993.4	1962.8
15°	2277.8	2277.2	2278.5	2266.4	2251.1	2247.2	2210.2	2170.1	2098.0	2069.3	2019.6
17.5°	2266.4	2275.3	2280.4	2276.6	2274.0	2268.3	2252.3	2222.4	2182.8	2134.4	2075.1
20°	2182.2	2194.9	2196.9	2211.5	2219.8	2230.7	2235.1	2228.1	2205.8	2166.9	2117.1
22.5°	2052.1	2053.4	2060.4	2085.3	2105.7	2136.9	2153.5	2184.7	2179.6	2165.6	2126.1
25°	1897.8	1891.4	1913.7	1925.2	1966.7	2010.0	2041.3	2075.7	2106.3	2124.8	2112.7
27.5°	1726.9	1713.5	1747.3	1777.3	1806.6	1848.7	1895.9	1952.0	1994.7	2052.7	2066.8
30°	1498.6	1504.3	1536.2	1568.7	1619.7	1686.1	1740.9	1804.0	1872.3	1939.2	1985.8
32.5°	1252.4	1278.6	1295.8	1350.0	1393.4	1469.2	1556.0	1638.9	1728.2	1806.6	1885.0
35°	1033.1	1058.6	1086.6	1123.0	1186.1	1259.4	1337.9	1444.4	1560.4	1664.4	1749.8
37.5°	894.0	889.6	906.8	933.6	987.8	1050.9	1144.0	1252.4	1391.4	1506.9	1621.7
40°	771.6	769.1	780.5	804.8	843.7	887.0	966.1	1058.6	1185.5	1334.7	1478.2
42.5°	687.4	690.0	695.1	710.4	734.0	767.8	822.0	897.2	1010.7	1149.1	1306.0
45°	622.4	626.9	633.9	642.2	657.5	686.8	720.0	776.1	867.9	985.2	1137.0
47.5°	571.4	572.6	580.3	588.0	596.9	614.7	644.1	679.8	749.9	850.0	985.9
50°	531.8	527.4	532.5	538.2	547.8	559.3	577.1	610.3	653.6	730.8	839.8
52.5°	483.4	484.6	489.1	490.4	498.7	510.2	526.1	546.5	584.8	640.9	725.7
55°	437.5	440.6	443.2	447.0	454.7	463.0	475.7	491.0	521.6	566.9	633.2
57.5°	394.1	395.4	397.3	405.6	410.0	417.7	430.4	444.5	464.9	500.0	552.2
60°	349.5	349.5	354.6	357.7	364.1	371.8	381.3	394.7	412.6	440.0	480.2
62.5°	308.6	308.0	309.3	315.0	319.5	326.5	336.1	346.9	363.5	387.1	418.3
65°	269.1	267.8	271.7	272.9	278.0	285.0	292.7	304.8	318.2	336.1	365.4
67.5°	229.6	231.5	234.0	236.6	239.1	247.4	252.5	261.5	272.9	288.2	308.6
70°	197.7	197.7	197.7	199.6	203.4	207.3	212.4	219.4	230.2	243.0	260.8
72.5°	162.0	164.5	167.1	165.2	170.3	172.2	178.6	181.7	191.9	199.0	214.3
75°	132.6	132.6	132.6	135.8	137.7	139.7	143.5	147.3	152.4	162.6	170.9
77.5°	104.6	103.9	104.6	105.2	107.8	110.3	111.6	114.8	119.9	125.0	132.6
80°	76.5	77.8	78.4	79.7	79.7	81.0	81.6	86.1	89.3	92.5	96.9
82.5°	54.8	54.8	54.8	54.8	55.5	56.1	58.0	58.7	59.3	61.9	65.0
85°	34.4	33.8	33.8	35.1	34.4	34.4	35.7	37.0	37.0	37.6	39.5
87.5°	16.6	16.6	17.2	16.6	16.6	17.2	17.2	16.6	17.2	17.9	18.5
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°	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3
2.5°	1713.5	1708.4	1705.2	1693.7	1683.5	1673.3	1670.1	1671.4	1657.4	1644.0	1638.2
5°	1769.0	1756.2	1744.1	1726.9	1706.5	1684.2	1672.7	1663.7	1641.4	1617.2	1603.2
7.5°	1819.3	1802.8	1781.1	1750.5	1722.4	1689.3	1668.8	1651.6	1620.4	1587.9	1568.1
10°	1864.6	1839.7	1809.8	1770.2	1733.9	1691.2	1661.2	1631.2	1593.0	1552.1	1526.6
12.5°	1903.5	1867.8	1838.5	1784.9	1740.3	1684.2	1647.2	1601.9	1561.1	1510.7	1485.8
15°	1969.8	1908.0	1851.9	1794.5	1741.5	1666.9	1627.4	1570.6	1517.7	1457.8	1429.1
17.5°	2018.9	1952.0	1865.3	1795.7	1737.1	1657.4	1600.6	1533.0	1473.1	1406.8	1368.5
20°	2059.8	1980.0	1885.0	1798.3	1724.3	1629.9	1566.8	1497.3	1424.0	1346.8	1304.7
22.5°	2084.0	1999.2	1905.4	1788.7	1698.8	1607.6	1524.1	1446.3	1371.7	1286.9	1242.2
25°	2085.3	2008.7	1909.3	1784.3	1678.4	1574.5	1478.8	1404.8	1314.9	1237.1	1172.7
27.5°	2064.2	2003.6	1907.3	1775.3	1654.8	1535.6	1431.6	1350.6	1255.6	1171.4	1107.0
30°	2017.7	1985.8	1892.7	1760.0	1625.5	1494.8	1377.4	1282.4	1188.0	1102.6	1036.3
32.5°	1945.6	1945.0	1865.9	1738.4	1594.2	1443.1	1320.7	1224.4	1117.2	1033.7	971.2
35°	1846.8	1877.4	1825.7	1703.9	1553.4	1394.6	1263.3	1153.6	1045.2	964.8	905.5
37.5°	1721.1	1791.9	1771.5	1658.0	1501.1	1343.0	1200.1	1085.4	981.4	898.5	840.5
40°	1590.4	1687.3	1701.4	1603.8	1445.0	1281.1	1127.4	1013.3	912.5	838.6	779.9
42.5°	1450.1	1567.5	1612.1	1538.8	1383.8	1216.1	1062.4	943.2	843.7	772.2	721.9
45°	1290.1	1439.9	1509.4	1464.8	1314.3	1143.4	985.2	865.4	774.8	707.2	667.0
47.5°	1145.3	1307.9	1396.6	1375.5	1239.7	1070.1	913.8	797.1	707.2	652.4	614.7
50°	989.7	1158.1	1270.9	1276.0	1158.1	990.3	833.5	725.1	644.1	593.7	564.4
52.5°	854.5	1013.3	1138.9	1171.4	1066.9	907.4	761.4	653.6	584.8	539.5	514.0
55°	740.4	876.2	1012.7	1062.4	976.3	823.3	686.2	591.1	524.2	492.3	469.3
57.5°	632.0	751.2	880.7	932.9	878.1	743.6	610.9	527.4	470.6	441.9	424.1
60°	549.7	639.0	751.2	816.9	771.0	654.3	542.0	463.6	419.0	394.1	377.5
62.5°	473.2	549.7	640.2	698.9	679.1	570.7	473.2	406.2	369.2	346.3	335.4
65°	403.0	465.5	538.9	594.3	577.8	494.2	412.0	352.6	322.0	303.5	294.0
67.5°	343.1	390.9	443.2	494.2	480.2	418.3	348.8	301.0	277.4	260.8	255.1
70°	287.0	321.4	366.7	405.6	394.7	346.3	294.0	254.4	234.7	221.3	215.5
72.5°	233.4	260.2	292.1	322.0	315.7	277.4	235.9	208.5	194.5	182.4	177.9
75°	184.3	206.0	227.0	248.1	246.2	214.9	189.4	166.4	154.3	144.8	142.8
77.5°	144.1	157.5	172.8	186.2	183.0	162.6	141.6	127.5	118.0	111.6	111.0
80°	103.9	111.0	121.2	130.1	125.6	118.0	102.0	92.5	86.1	79.7	77.2
82.5°	68.2	75.2	80.3	84.2	81.0	74.0	65.7	59.9	56.8	52.9	52.3
85°	39.5	43.4	45.9	47.2	45.9	41.5	37.0	34.4	31.2	29.3	28.7
87.5°	19.1	19.1	19.1	20.4	18.5	18.5	15.9	14.0	13.4	12.8	11.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3	1659.3
2.5°	1631.9	1628.0	1614.6	1607.6	1596.1	1585.3	1578.3	1581.5	1584.0	1582.8	1580.8
5°	1590.4	1578.3	1559.8	1543.9	1532.4	1511.3	1502.4	1497.9	1494.1	1489.7	1485.2
7.5°	1544.5	1527.3	1501.1	1480.7	1460.3	1433.5	1420.1	1412.5	1404.2	1394.6	1385.7
10°	1494.8	1468.0	1439.9	1408.0	1382.5	1358.9	1337.9	1323.9	1311.1	1299.0	1290.1
12.5°	1442.5	1410.6	1374.2	1327.7	1299.0	1262.6	1263.9	1236.5	1214.8	1208.4	1197.6
15°	1386.3	1343.0	1299.0	1247.3	1225.0	1194.4	1175.3	1156.1	1138.9	1126.8	1123.6
17.5°	1325.1	1267.1	1224.4	1186.1	1149.8	1118.5	1101.9	1086.6	1072.0	1054.1	1053.5
20°	1253.1	1204.6	1156.8	1124.3	1086.6	1054.7	1033.1	1017.8	1005.6	996.1	987.8
22.5°	1184.8	1130.6	1087.9	1051.6	1014.6	990.3	974.4	959.7	950.2	939.3	931.7
25°	1110.9	1069.4	1021.6	981.4	950.8	934.2	920.2	907.4	901.1	894.0	885.1
27.5°	1047.7	1001.8	954.6	923.4	895.3	880.7	869.8	860.3	854.5	850.0	844.3
30°	980.1	933.6	898.5	867.9	845.6	830.9	824.5	819.4	812.4	809.9	807.3
32.5°	915.1	874.3	845.6	820.1	799.0	790.7	785.0	780.5	775.4	772.9	767.1
35°	854.5	819.4	790.1	775.4	758.2	749.9	745.5	739.1	734.0	731.4	730.8
37.5°	796.5	764.6	744.8	725.1	716.8	712.3	705.9	701.5	699.6	698.9	698.3
40°	740.4	715.5	698.3	683.0	679.8	672.1	667.0	663.2	663.2	663.8	663.2
42.5°	689.3	667.7	653.0	640.2	636.4	632.6	627.5	628.1	629.4	632.0	629.4
45°	637.7	621.8	610.9	604.5	597.5	593.1	592.4	594.3	595.0	595.6	597.5
47.5°	589.2	579.0	568.8	561.2	558.0	557.3	556.1	559.3	562.4	563.1	566.3
50°	547.1	535.0	526.7	522.3	519.7	518.4	519.7	523.5	526.1	529.3	531.2
52.5°	500.0	492.3	487.2	484.0	483.4	484.6	484.6	489.1	493.6	494.2	494.9
55°	457.2	450.9	449.6	443.8	446.4	445.7	448.9	451.5	455.3	459.1	459.8
57.5°	413.9	408.1	404.3	404.9	405.6	408.1	410.7	415.1	419.6	424.1	424.1
60°	370.5	367.9	366.0	366.0	367.3	371.1	374.3	378.8	381.3	383.9	385.8
62.5°	331.0	328.4	326.5	327.8	331.6	333.5	337.3	339.3	341.8	344.4	345.0
65°	288.9	287.6	289.5	290.8	291.4	294.6	299.1	301.0	303.5	304.8	309.3
67.5°	250.6	250.6	250.0	251.9	255.7	256.4	260.8	265.9	265.9	268.5	271.7
70°	211.7	213.0	214.3	215.5	218.7	220.0	223.2	225.1	227.7	229.6	231.5
72.5°	176.0	176.0	177.3	176.6	179.2	182.4	184.9	186.8	189.4	191.9	193.9
75°	140.9	140.9	142.2	142.8	146.0	149.2	148.6	149.9	152.4	155.0	156.2
77.5°	109.0	107.8	109.0	109.7	111.0	113.5	114.1	116.1	119.2	118.6	119.9
80°	78.4	76.5	78.4	79.1	79.1	82.3	82.3	83.5	85.5	83.5	85.5
82.5°	50.4	49.7	51.0	51.0	52.3	51.7	52.9	52.9	54.8	54.2	54.8
85°	28.1	27.4	28.1	27.4	28.1	28.7	28.7	28.1	28.1	29.3	27.4
87.5°	10.8	10.2	9.6	9.6	8.9	8.3	7.7	7.7	7.7	6.4	6.4
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: P242297

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1659.3	1659.3	1659.3	1659.3
2.5°	1574.5	1573.2	1573.2	1567.5
5°	1476.3	1474.4	1471.2	1474.4
7.5°	1383.2	1374.9	1373.6	1367.2
10°	1279.2	1274.1	1273.5	1261.4
12.5°	1200.1	1186.1	1189.3	1183.6
15°	1106.4	1106.4	1103.8	1093.0
17.5°	1039.4	1038.8	1033.1	1036.9
20°	980.8	976.9	969.3	969.3
22.5°	925.3	925.9	917.6	920.8
25°	884.5	879.4	875.6	877.5
27.5°	842.4	840.5	839.8	834.1
30°	806.7	800.3	801.6	798.4
32.5°	765.9	764.6	762.7	760.1
35°	729.5	730.2	727.0	728.2
37.5°	697.0	699.6	697.6	697.6
40°	665.1	665.1	665.1	667.0
42.5°	634.5	633.2	632.0	631.3
45°	598.8	600.7	601.3	598.2
47.5°	567.5	568.2	567.5	571.4
50°	534.4	533.1	534.4	533.1
52.5°	499.3	500.0	498.7	498.7
55°	462.3	463.6	463.0	463.0
57.5°	424.7	425.3	426.6	423.4
60°	385.2	388.4	387.7	386.4
62.5°	348.8	349.5	349.5	349.5
65°	311.2	312.5	310.6	312.5
67.5°	270.4	271.0	272.3	272.9
70°	232.8	232.1	234.0	235.9
72.5°	193.2	195.1	193.9	195.1
75°	155.0	156.9	156.2	158.1
77.5°	118.6	119.2	119.2	119.9
80°	85.5	84.2	82.9	85.5
82.5°	52.9	54.2	52.9	52.3
85°	27.4	26.8	25.5	25.5
87.5°	6.4	5.7	5.7	5.1
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242297

CATALOG NUMBER: S122DRP-S865D835-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	20.29	21.81	20.66	22.12	22.44	23.55	25.06	23.91	25.38	25.69
	3H	21.70	23.06	22.08	23.39	23.75	24.56	25.92	24.94	26.25	26.61
	4H	22.20	23.48	22.60	23.83	24.21	24.88	26.15	25.28	26.50	26.88
	6H	22.56	23.74	22.97	24.11	24.50	25.07	26.25	25.48	26.62	27.01
	8H	22.67	23.79	23.10	24.18	24.58	25.12	26.24	25.54	26.63	27.03
	12H	22.74	23.82	23.17	24.20	24.63	25.13	26.21	25.56	26.59	27.02
4H	2H	21.15	22.43	21.55	22.78	23.16	23.76	25.04	24.16	25.38	25.76
	3H	22.71	23.77	23.12	24.17	24.57	25.10	26.16	25.51	26.56	26.96
	4H	23.30	24.25	23.73	24.67	25.11	25.61	26.56	26.04	26.98	27.41
	6H	23.75	24.58	24.20	25.02	25.48	25.94	26.77	26.40	27.21	27.67
	8H	23.89	24.66	24.35	25.11	25.57	26.01	26.79	26.48	27.23	27.70
	12H	23.99	24.68	24.47	25.16	25.63	26.06	26.75	26.54	27.23	27.70
8H	4H	23.73	24.51	24.20	24.95	25.42	25.73	26.51	26.20	26.95	27.42
	6H	24.27	24.91	24.76	25.40	25.87	26.17	26.81	26.67	27.30	27.78
	8H	24.46	25.03	24.97	25.54	26.03	26.30	26.88	26.82	27.39	27.88
	12H	24.62	25.12	25.13	25.62	26.18	26.40	26.90	26.91	27.39	27.96
12H	4H	23.79	24.48	24.27	24.96	25.43	25.73	26.42	26.21	26.90	27.37
	6H	24.34	24.92	24.86	25.43	25.92	26.17	26.75	26.69	27.26	27.74
	8H	24.59	25.09	25.10	25.59	26.15	26.35	26.86	26.86	27.35	27.91