

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: P243497

Luminaire Tested: S124DRP-H1195D830-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P243497  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-60)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124DRP-H1195D830-X4F0-XX-UDD-A-W  
Description: DEFINE 4 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.  
HIGH PERFORMANCE LIGHT ENGINE  
Light Source: (184) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

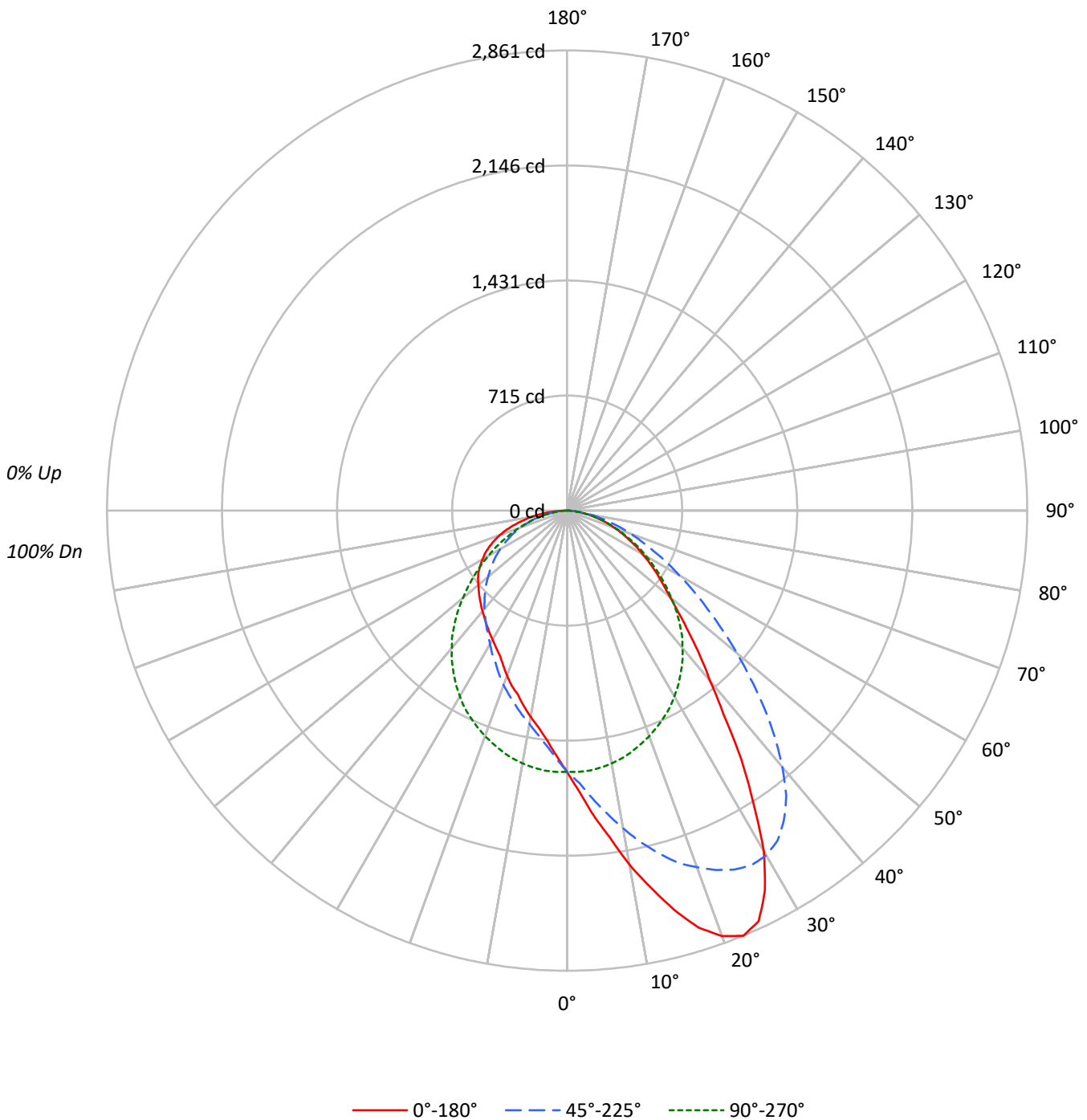
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4656.9 lumens  
Efficiency: N/A  
Efficacy: 123.5 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.22 / 1.45  
Luminous Opening: Rectangular (W 3.88' x L: 0.31' 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	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61					61			
4	84	73	64	58	82	71	63	57	69	62	56	66	60	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	41					41			
7	67	53	45	39	65	53	45	39	51	44	38	50	43	38	48	42	38	36					36			
8	62	49	41	35	61	48	40	35	47	40	35	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	29	53	41	34	28	40	33	28	39	33	28	38	32	28	26					26			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	14436	14436	14436	14436	14436
5°	16987	16017	14474	13084	12777
10°	20188	18112	14408	12158	11764
15°	23645	20314	14280	11493	10895
20°	26625	22323	14115	10917	10334
25°	27632	24154	13926	10298	9726
30°	25093	25407	13690	9839	9512
35°	20472	25507	13366	9510	9452
40°	16030	24145	12946	9284	9492
45°	13417	21775	12425	9075	9667
50°	11514	19039	11698	8874	9955
55°	10520	16498	10910	8722	10437
60°	9641	14318	10100	8580	10818
65°	8840	12409	9244	8295	11238
70°	8132	10871	8337	8028	11578
75°	7240	9359	7332	7490	11567
80°	6040	7602	6004	6921	11538
85°	4600	5681	4528	6221	10821

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 50°  
 Vertical Angle: 45°  
 Luminance: 22758 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.1	3.4
10°-20°	489.6	10.5
20°-30°	786.6	16.9
30°-40°	899.1	19.3
40°-50°	827.7	17.8
50°-60°	677.0	14.5
60°-70°	482.5	10.4
70°-80°	265.1	5.7
80°-90°	71.2	1.5
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°	1434.3	30.8
0°-40°	2333.4	50.1
0°-60°	3838.1	82.4
0°-90°	4656.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4656.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1624	1624	1624	1624	1624	
5°	1904	1795	1622	1466	1432	191
15°	2569	2208	1552	1249	1184	732
25°	2817	2463	1420	1050	992	1264
35°	1887	2351	1232	876	871	1173
45°	1067	1732	988	722	769	833
55°	679	1065	704	563	674	609
65°	420	590	440	394	534	420
75°	211	272	214	218	337	225
85°	45	56	44	61	106	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°	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1
2.5°	1748.7	1743.4	1740.8	1737.5	1736.8	1733.5	1726.9	1717.6	1705.6	1693.0	1693.0
5°	1903.8	1902.5	1892.6	1893.2	1880.6	1866.7	1856.1	1842.9	1817.0	1795.1	1779.9
7.5°	2052.3	2066.3	2062.9	2052.3	2033.8	2013.9	1992.7	1974.1	1926.4	1899.9	1878.0
10°	2236.6	2241.9	2232.6	2217.4	2200.8	2162.4	2134.5	2103.4	2051.7	2006.6	1966.8
12.5°	2398.4	2411.0	2394.4	2379.8	2340.7	2312.2	2284.3	2222.0	2167.7	2110.7	2053.0
15°	2569.4	2556.1	2564.8	2529.0	2501.1	2473.9	2403.0	2339.4	2277.7	2207.5	2147.1
17.5°	2717.9	2717.9	2702.0	2678.8	2649.6	2598.6	2527.6	2457.4	2389.1	2296.9	2211.4
20°	2814.7	2822.0	2803.4	2778.9	2743.7	2690.7	2634.4	2558.1	2467.3	2359.9	2263.1
22.5°	2861.1	2862.4	2855.8	2835.2	2806.7	2761.6	2704.0	2629.7	2533.6	2418.3	2316.8
25°	2817.3	2824.6	2822.6	2821.3	2806.7	2780.9	2734.5	2665.5	2578.0	2462.7	2353.3
27.5°	2663.5	2681.4	2696.7	2703.3	2719.2	2720.5	2706.6	2664.9	2593.3	2484.5	2362.6
30°	2444.8	2435.5	2476.6	2497.1	2551.5	2584.0	2607.2	2604.5	2563.4	2475.3	2359.3
32.5°	2153.1	2178.3	2207.5	2255.8	2320.1	2395.7	2452.7	2495.2	2491.2	2433.5	2336.7
35°	1886.6	1886.6	1923.7	1983.4	2051.7	2142.5	2237.9	2316.8	2365.2	2350.6	2282.4
37.5°	1597.6	1615.5	1657.9	1704.3	1787.8	1875.3	2001.3	2106.0	2207.5	2237.9	2202.8
40°	1381.5	1389.4	1434.5	1473.6	1559.1	1650.0	1755.4	1889.3	2005.9	2080.8	2085.5
42.5°	1221.1	1220.4	1239.0	1274.1	1343.0	1423.9	1537.9	1669.2	1805.7	1911.8	1961.5
45°	1067.3	1065.9	1085.2	1121.0	1170.0	1241.6	1340.4	1471.6	1611.5	1732.2	1810.4
47.5°	937.3	949.3	957.9	985.7	1026.2	1087.2	1172.0	1276.7	1411.3	1546.5	1651.9
50°	832.6	837.9	856.5	869.7	914.8	957.2	1025.5	1119.6	1235.0	1376.8	1490.9
52.5°	749.1	752.4	763.7	780.9	806.7	843.9	898.2	985.1	1089.1	1212.4	1330.4
55°	678.8	676.8	684.1	695.4	717.9	749.1	788.8	855.1	946.0	1064.6	1173.3
57.5°	609.9	609.9	616.5	624.5	637.0	662.9	702.0	754.4	827.3	932.7	1028.8
60°	542.3	546.9	549.5	557.5	568.1	587.3	616.5	657.6	719.2	805.4	900.9
62.5°	482.6	482.6	487.2	489.9	503.8	517.7	538.9	574.1	622.5	699.4	773.6
65°	420.3	424.3	424.3	429.6	441.5	452.1	468.7	495.2	535.0	590.0	659.6
67.5°	367.2	367.2	370.6	373.2	379.8	387.1	401.7	422.3	456.1	499.8	562.8
70°	312.9	314.9	313.6	316.9	320.8	328.1	338.7	356.0	380.5	418.3	464.7
72.5°	263.8	261.2	262.5	265.8	267.8	272.5	279.1	292.3	312.2	342.7	376.5
75°	210.8	209.5	214.1	212.8	216.1	220.1	226.0	236.0	251.2	272.5	298.3
77.5°	164.4	162.4	164.4	165.7	167.1	170.4	175.0	181.0	191.6	205.5	228.7
80°	118.0	117.3	118.7	120.0	120.6	126.0	127.3	133.2	137.9	148.5	159.8
82.5°	78.2	79.5	80.2	81.5	80.9	83.5	84.9	88.8	92.8	98.1	106.7
85°	45.1	43.1	45.1	45.1	45.1	48.4	47.7	50.4	53.0	55.7	61.6
87.5°	15.9	15.9	16.6	17.2	17.2	19.2	18.6	19.9	22.5	22.5	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°	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1
2.5°	1689.1	1681.8	1676.5	1661.2	1651.9	1643.3	1635.4	1626.8	1617.5	1605.5	1598.2
5°	1764.0	1748.1	1724.9	1703.7	1679.8	1658.6	1641.3	1622.1	1600.9	1579.0	1559.8
7.5°	1846.8	1817.0	1781.2	1742.1	1705.0	1673.8	1641.3	1610.8	1581.0	1551.8	1524.7
10°	1929.7	1878.0	1830.9	1777.2	1728.2	1681.1	1638.7	1596.3	1559.1	1520.7	1486.2
12.5°	2006.6	1944.3	1875.3	1808.4	1742.8	1681.8	1629.4	1577.7	1530.0	1484.2	1443.8
15°	2065.6	1987.4	1905.8	1826.3	1750.7	1687.1	1618.8	1551.8	1502.1	1446.4	1402.0
17.5°	2133.2	2040.4	1959.5	1864.1	1769.9	1667.2	1594.9	1522.0	1462.4	1408.7	1364.2
20°	2178.3	2076.2	1959.5	1851.5	1754.7	1662.6	1575.7	1492.2	1429.2	1366.9	1313.2
22.5°	2214.1	2108.7	1980.1	1867.4	1746.1	1634.7	1540.6	1458.4	1384.1	1325.1	1274.1
25°	2232.6	2104.0	1981.4	1844.8	1723.5	1616.8	1510.7	1419.9	1345.0	1279.4	1235.6
27.5°	2233.3	2101.4	1956.2	1821.0	1691.1	1575.7	1471.0	1381.5	1297.3	1234.3	1181.9
30°	2230.0	2084.2	1931.0	1783.2	1653.9	1535.9	1426.6	1333.8	1256.9	1189.9	1140.2
32.5°	2208.8	2060.3	1893.2	1738.1	1597.6	1478.9	1378.2	1286.0	1203.8	1142.8	1090.5
35°	2161.1	2007.9	1840.2	1680.4	1547.2	1423.9	1324.5	1231.7	1158.1	1091.8	1038.1
37.5°	2100.1	1956.9	1786.5	1619.5	1475.6	1358.9	1265.5	1178.0	1101.1	1040.1	986.4
40°	2023.2	1888.6	1720.9	1547.2	1403.4	1285.4	1197.2	1115.7	1050.0	987.7	935.4
42.5°	1917.8	1814.4	1642.0	1473.0	1322.5	1211.1	1125.6	1058.0	990.4	934.0	881.7
45°	1805.1	1710.9	1557.8	1390.1	1245.6	1130.9	1050.7	988.4	930.7	873.7	831.3
47.5°	1680.4	1603.6	1461.7	1298.0	1155.4	1054.0	975.1	919.4	866.4	822.7	780.2
50°	1532.0	1491.5	1358.9	1210.5	1071.9	967.8	902.9	845.9	806.7	764.3	724.5
52.5°	1394.1	1361.6	1253.5	1107.7	981.8	890.3	820.7	775.6	737.1	706.0	674.2
55°	1244.3	1227.7	1136.2	1010.3	896.2	804.8	745.1	704.0	673.5	644.3	621.1
57.5°	1106.4	1105.1	1024.2	916.1	804.8	727.2	670.2	636.4	609.9	589.3	569.4
60°	965.2	976.5	910.2	811.4	723.2	650.3	598.6	568.1	550.2	531.0	514.4
62.5°	837.2	854.5	794.2	716.6	629.8	570.1	530.3	507.1	487.2	473.3	460.7
65°	714.6	736.5	687.4	617.8	551.5	495.2	461.4	439.5	424.3	416.3	407.7
67.5°	606.6	618.5	585.3	531.0	476.0	426.9	399.1	379.8	366.6	363.3	353.3
70°	498.5	512.4	489.2	439.5	397.1	361.3	336.1	320.8	312.9	308.2	301.6
72.5°	411.7	417.6	394.4	360.0	326.1	296.3	277.8	266.5	257.2	255.2	251.9
75°	322.2	330.8	312.2	285.7	257.9	236.7	222.7	213.5	208.8	205.5	205.5
77.5°	243.3	250.6	240.0	216.8	200.2	181.6	172.4	163.7	161.7	158.4	159.8
80°	173.0	176.3	170.4	154.5	139.9	129.9	122.0	117.3	116.7	114.0	116.7
82.5°	114.7	115.3	108.7	101.4	90.2	84.9	79.5	77.6	76.9	76.9	75.6
85°	63.6	65.0	60.3	55.7	51.7	47.1	45.7	44.4	43.1	45.1	46.4
87.5°	24.5	25.2	24.5	22.5	21.2	19.9	19.2	20.5	18.6	19.9	20.5
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°	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1	1624.1
2.5°	1587.0	1581.7	1573.7	1560.5	1551.2	1541.2	1537.3	1538.6	1534.6	1529.3	1530.6
5°	1545.2	1530.0	1516.7	1498.2	1480.9	1466.3	1461.7	1455.7	1450.4	1447.1	1443.8
7.5°	1500.8	1479.6	1459.7	1441.1	1421.3	1402.7	1395.4	1390.1	1387.4	1378.2	1374.2
10°	1458.4	1433.9	1410.0	1388.1	1367.6	1347.0	1339.7	1333.1	1323.8	1319.8	1315.2
12.5°	1413.3	1388.8	1362.9	1336.4	1315.9	1299.3	1286.7	1282.0	1272.8	1268.8	1266.1
15°	1369.5	1339.7	1319.2	1298.6	1267.5	1248.9	1243.6	1227.0	1221.7	1213.8	1208.5
17.5°	1325.8	1298.0	1267.5	1243.6	1224.4	1201.2	1188.6	1181.3	1171.3	1164.1	1154.1
20°	1282.7	1250.2	1226.4	1196.5	1175.3	1154.1	1138.2	1131.6	1123.0	1113.0	1099.1
22.5°	1240.9	1205.2	1181.9	1154.1	1127.6	1103.1	1089.8	1080.5	1063.3	1061.3	1048.7
25°	1191.9	1160.1	1129.6	1100.4	1074.6	1050.0	1041.4	1026.8	1020.9	1008.9	1006.9
27.5°	1145.5	1111.7	1078.5	1046.7	1024.2	1006.9	991.7	982.4	976.5	967.2	967.8
30°	1097.1	1060.0	1028.8	999.7	975.1	958.6	948.6	944.0	935.4	934.0	929.4
32.5°	1045.4	1011.6	979.1	953.2	928.1	913.5	908.8	904.2	898.9	899.6	898.2
35°	993.7	963.9	929.4	905.5	885.0	876.4	869.1	867.7	865.7	867.1	867.1
37.5°	943.3	910.8	882.3	860.4	848.5	836.6	833.3	832.6	833.3	834.6	837.9
40°	894.3	864.4	836.6	818.7	805.4	800.1	795.5	797.5	800.1	804.8	808.7
42.5°	845.2	816.7	793.5	775.6	763.0	760.3	761.0	765.0	765.6	772.3	779.6
45°	793.5	769.0	747.1	733.2	725.2	721.9	723.2	727.2	731.8	741.1	750.4
47.5°	745.8	723.9	704.7	690.7	684.8	683.4	686.1	691.4	702.0	711.3	721.9
50°	697.4	677.5	659.6	647.0	646.3	641.7	647.7	654.3	666.9	679.5	695.4
52.5°	649.6	630.4	615.2	605.2	602.6	602.6	609.9	621.8	633.1	649.6	664.2
55°	599.9	582.7	568.1	564.8	560.8	562.8	570.8	582.7	598.6	617.2	633.1
57.5°	548.9	534.3	523.7	519.0	517.1	523.7	533.0	545.6	566.1	584.7	601.9
60°	500.5	487.9	476.6	475.3	474.0	482.6	493.9	507.1	527.7	546.2	567.4
62.5°	448.8	438.8	431.5	429.6	429.6	438.2	450.8	468.0	487.2	507.1	529.7
65°	396.4	387.8	385.8	383.2	389.1	394.4	407.0	423.6	444.1	466.0	489.9
67.5°	348.0	342.7	338.7	338.7	343.4	353.3	364.6	381.2	402.4	425.6	446.8
70°	299.6	294.3	291.0	294.3	297.0	308.9	320.8	336.8	356.6	379.2	401.7
72.5°	249.2	249.9	250.6	249.9	252.6	263.8	275.8	291.0	310.2	332.1	352.7
75°	204.8	201.5	202.2	203.5	212.1	218.1	230.0	244.6	265.2	285.0	302.3
77.5°	159.1	157.8	161.1	161.1	169.0	176.3	186.3	200.9	218.8	236.7	250.6
80°	116.7	117.3	120.0	120.6	127.3	135.2	145.8	155.8	171.7	184.3	197.5
82.5°	78.9	80.2	83.5	88.2	90.8	95.5	104.7	115.3	126.6	139.9	147.8
85°	45.7	47.7	50.4	53.7	56.3	61.0	67.6	76.2	84.2	91.5	98.1
87.5°	22.5	22.5	24.5	25.9	27.8	30.5	35.1	38.4	43.8	49.1	51.7
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: P243497

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1624.1	1624.1	1624.1	1624.1
2.5°	1528.0	1527.3	1524.7	1526.0
5°	1441.8	1435.2	1434.5	1431.9
7.5°	1367.6	1365.6	1365.6	1360.3
10°	1310.6	1304.6	1305.9	1303.3
12.5°	1256.2	1252.9	1248.9	1244.9
15°	1195.2	1195.2	1195.2	1183.9
17.5°	1147.5	1146.8	1143.5	1142.8
20°	1097.8	1095.1	1086.5	1092.5
22.5°	1047.4	1045.4	1038.1	1039.4
25°	1000.3	998.3	997.0	991.7
27.5°	959.9	960.5	961.9	958.6
30°	929.4	927.4	930.0	926.7
32.5°	900.9	900.9	898.2	898.9
35°	868.4	871.0	871.7	871.0
37.5°	839.9	843.2	845.9	843.2
40°	813.4	816.0	818.7	818.0
42.5°	785.5	790.2	792.2	794.2
45°	759.0	765.0	768.3	769.0
47.5°	731.8	739.1	745.8	745.1
50°	705.3	714.6	720.6	719.9
52.5°	678.8	688.1	695.4	698.7
55°	649.0	660.9	667.5	673.5
57.5°	619.1	632.4	639.0	641.7
60°	586.0	597.9	606.6	608.5
62.5°	548.9	561.5	572.7	575.4
65°	510.4	524.4	533.0	534.3
67.5°	466.0	479.3	487.9	491.9
70°	420.3	430.2	439.5	445.5
72.5°	369.2	381.2	389.8	393.8
75°	316.2	329.5	334.1	336.8
77.5°	261.2	269.1	276.4	277.1
80°	206.2	216.1	218.8	225.4
82.5°	151.8	161.1	159.1	161.7
85°	100.1	103.4	105.4	106.1
87.5°	53.0	55.0	56.3	57.0
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P243497

CATALOG NUMBER: S124DRP-H1195D830-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	19.84	21.42	20.21	21.73	22.04	20.13	21.70	20.50	22.02	22.33
	3H	21.29	22.70	21.66	23.03	23.39	21.52	22.93	21.89	23.26	23.62
	4H	21.80	23.14	22.20	23.48	23.86	22.00	23.33	22.40	23.68	24.06
	6H	22.15	23.38	22.56	23.75	24.14	22.32	23.55	22.73	23.91	24.31
	8H	22.25	23.42	22.67	23.81	24.21	22.40	23.57	22.83	23.96	24.36
	12H	22.30	23.42	22.73	23.80	24.23	22.44	23.57	22.87	23.95	24.38
4H	2H	20.98	22.31	21.38	22.66	23.04	20.92	22.25	21.32	22.60	22.98
	3H	22.48	23.59	22.89	23.99	24.39	22.63	23.74	23.04	24.14	24.54
	4H	23.06	24.06	23.49	24.47	24.91	23.22	24.22	23.65	24.64	25.07
	6H	23.47	24.34	23.93	24.78	25.24	23.62	24.50	24.08	24.94	25.40
	8H	23.59	24.40	24.05	24.85	25.31	23.73	24.55	24.19	24.99	25.45
	12H	23.66	24.39	24.14	24.87	25.34	23.79	24.53	24.28	25.00	25.47
8H	4H	23.48	24.30	23.95	24.74	25.21	23.56	24.38	24.02	24.82	25.29
	6H	23.98	24.66	24.48	25.15	25.62	24.09	24.77	24.59	25.26	25.74
	8H	24.14	24.75	24.66	25.26	25.75	24.26	24.86	24.77	25.37	25.86
	12H	24.26	24.80	24.77	25.29	25.85	24.37	24.91	24.88	25.40	25.96
12H	4H	23.53	24.26	24.01	24.74	25.21	23.59	24.33	24.08	24.80	25.27
	6H	24.05	24.66	24.56	25.16	25.65	24.15	24.76	24.67	25.27	25.76
	8H	24.26	24.80	24.77	25.29	25.85	24.38	24.91	24.89	25.41	25.97