

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: P242660

Luminaire Tested: S124DRP-S795D940-X4F0-XX-UDD-A-W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2024  
Report Number: P242660  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S124DRP-S795D940-X4F0-XX-UDD-A-W  
Description: DEFINE 4 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER  
STANDARD LIGHT ENGINE  
Light Source: (92) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

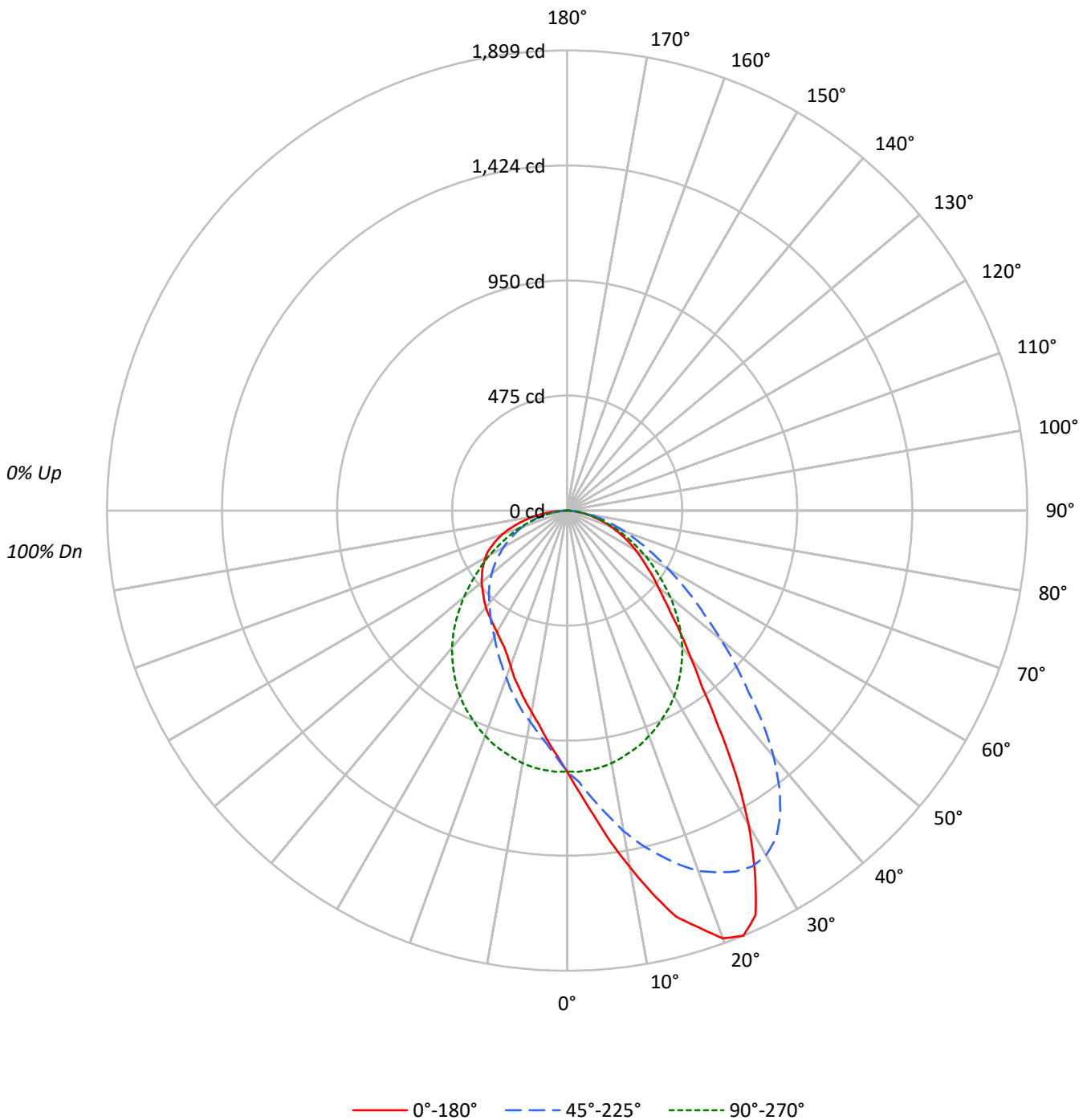
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2970.0 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.22 / 1.41  
Luminous Opening: Rectangular (W 3.88' x L: 0.31' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 26.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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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CATALOG NUMBER: S124DRP-S795D940-X4F0-XX-UDD-A-W

### Luminous Intensity Polar Plot



TEST NUMBER: P242660

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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	95	92	90	91	89	87	85					85			
2	100	92	86	80	98	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	64	62					62			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53					53			
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	49	46					46			
6	72	59	51	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41					41			
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36					36			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27					27			

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

	0°	45°	90°	135°	180°
0°	9567	9567	9567	9567	9567
5°	11267	10642	9592	8621	8466
10°	13489	12126	9550	7976	7622
15°	15961	13544	9454	7451	6999
20°	17772	14972	9354	6934	6445
25°	18060	16123	9210	6529	6061
30°	15367	16849	9070	6165	5940
35°	11815	16638	8844	5965	5941
40°	9209	15376	8577	5800	6054
45°	7678	13306	8177	5729	6155
50°	6758	11474	7689	5623	6363
55°	6191	9873	7102	5520	6619
60°	5803	8544	6580	5381	6928
65°	5401	7465	5992	5206	7183
70°	4935	6594	5411	5063	7347
75°	4410	5681	4764	4733	7257
80°	3696	4612	3901	4315	7028
85°	2733	3498	2815	3998	6731

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 55°  
 Vertical Angle: 45°  
 Luminance: 14690 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.7	3.5
10°-20°	323.3	10.9
20°-30°	513.6	17.3
30°-40°	570.7	19.2
40°-50°	519.0	17.5
50°-60°	424.1	14.3
60°-70°	302.8	10.2
70°-80°	166.6	5.6
80°-90°	45.0	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°	941.7	31.7
0°-40°	1512.4	50.9
0°-60°	2455.6	82.7
0°-90°	2970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2970.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1076	1076	1076	1076	1076	
5°	1263	1193	1075	966	949	128
15°	1734	1472	1027	810	761	490
25°	1841	1644	939	666	618	817
35°	1089	1533	815	550	548	689
45°	611	1058	650	456	490	480
55°	400	637	458	356	427	361
65°	257	355	285	248	342	254
75°	128	165	139	138	211	136
85°	27	34	28	39	66	33
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°	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3
2.5°	1162.8	1162.4	1157.9	1157.0	1153.9	1149.9	1149.0	1141.8	1127.6	1120.9	1119.1
5°	1262.7	1271.6	1260.0	1257.8	1256.4	1241.7	1234.1	1225.2	1204.7	1192.7	1183.3
7.5°	1379.5	1379.9	1375.0	1370.1	1361.7	1349.2	1332.2	1312.6	1289.0	1264.9	1248.0
10°	1494.5	1498.1	1492.3	1491.4	1468.7	1454.4	1425.9	1401.8	1374.1	1343.4	1315.3
12.5°	1615.8	1608.7	1606.4	1582.8	1583.2	1554.3	1519.9	1495.0	1448.6	1412.0	1372.4
15°	1734.4	1724.6	1718.3	1692.0	1679.1	1643.0	1607.8	1580.6	1524.8	1471.8	1431.7
17.5°	1803.1	1815.1	1799.0	1788.3	1753.1	1729.5	1694.3	1638.5	1597.1	1531.1	1485.2
20°	1878.8	1879.7	1871.7	1860.6	1834.3	1802.2	1762.9	1700.5	1648.3	1582.8	1513.2
22.5°	1899.4	1899.4	1897.1	1886.9	1868.6	1844.1	1804.4	1754.9	1688.9	1616.2	1546.7
25°	1841.4	1839.6	1843.6	1855.2	1847.6	1839.6	1816.9	1778.1	1719.2	1643.9	1569.0
27.5°	1677.3	1688.9	1713.0	1741.5	1762.0	1780.3	1779.0	1762.5	1720.6	1655.5	1575.7
30°	1497.2	1512.4	1529.3	1557.8	1613.1	1644.8	1679.5	1705.9	1691.1	1641.6	1568.5
32.5°	1299.2	1300.1	1327.3	1360.8	1410.2	1478.5	1538.7	1598.8	1624.7	1604.6	1546.7
35°	1088.8	1095.0	1122.2	1154.3	1216.3	1290.8	1373.7	1447.7	1508.8	1533.3	1502.1
37.5°	912.2	931.8	952.4	988.9	1045.5	1112.9	1202.0	1294.3	1383.9	1438.3	1444.1
40°	793.6	804.8	818.6	844.9	891.3	957.3	1031.3	1141.0	1237.7	1325.1	1353.6
42.5°	700.0	705.3	712.5	735.7	768.2	833.8	899.7	992.9	1090.1	1198.9	1251.5
45°	610.8	617.5	631.8	645.6	672.4	717.8	780.7	860.1	957.7	1058.5	1146.7
47.5°	543.9	548.4	557.3	572.5	596.6	627.3	680.8	748.1	843.6	941.2	1035.7
50°	488.7	492.2	498.9	512.3	529.7	556.4	598.3	660.3	731.2	829.7	922.0
52.5°	445.0	445.9	450.3	458.3	471.3	492.7	525.2	573.8	638.5	723.6	815.5
55°	399.5	401.3	405.7	412.4	424.5	438.7	465.0	503.4	560.9	637.1	716.9
57.5°	362.0	363.8	367.4	370.1	380.8	392.8	414.2	441.8	486.9	554.6	627.3
60°	326.4	325.5	329.9	332.2	338.9	348.7	364.3	390.6	428.5	480.6	546.2
62.5°	291.6	290.3	293.8	296.9	300.1	308.1	320.1	339.3	368.3	414.2	468.6
65°	256.8	255.0	257.3	260.8	264.4	268.9	278.2	296.5	321.0	354.9	398.2
67.5°	221.1	223.4	223.4	225.6	227.8	234.1	240.8	255.0	272.4	300.1	338.4
70°	189.9	190.4	192.2	192.2	193.5	198.9	204.2	211.8	228.7	253.7	283.6
72.5°	158.7	161.0	159.6	161.4	162.3	165.4	169.0	176.1	189.9	206.9	231.0
75°	128.4	129.7	129.7	130.2	131.5	132.9	136.0	141.3	151.6	165.4	182.8
77.5°	99.0	99.0	99.9	101.7	101.7	103.9	106.6	110.6	116.4	126.6	137.8
80°	72.2	73.1	72.7	73.6	73.6	75.4	76.2	81.6	83.8	90.1	98.5
82.5°	48.2	49.0	49.0	50.4	51.3	51.3	52.6	53.9	56.2	61.5	63.8
85°	26.8	27.6	26.8	27.6	29.0	29.4	30.8	31.2	33.0	34.3	37.5
87.5°	9.8	11.1	11.1	11.6	12.5	12.9	13.4	12.9	14.7	15.2	16.9
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°	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3
2.5°	1119.5	1113.3	1108.8	1105.3	1095.5	1089.7	1085.2	1079.0	1071.8	1064.3	1054.9
5°	1173.9	1158.8	1147.6	1130.7	1114.6	1101.3	1087.4	1075.0	1059.8	1043.3	1031.3
7.5°	1229.7	1208.7	1180.6	1158.8	1132.5	1109.7	1089.7	1068.7	1046.4	1025.0	1005.0
10°	1282.3	1253.3	1221.2	1183.3	1147.6	1116.0	1086.6	1058.0	1030.4	1002.7	979.1
12.5°	1338.9	1301.0	1249.7	1203.8	1162.8	1117.8	1080.8	1044.2	1009.4	980.0	951.5
15°	1388.4	1336.2	1281.4	1222.1	1169.5	1120.0	1071.4	1027.3	989.8	951.5	924.7
17.5°	1419.6	1355.0	1296.1	1234.1	1173.5	1111.5	1061.1	1011.7	965.3	927.8	894.4
20°	1450.4	1386.2	1308.1	1246.2	1170.4	1106.2	1045.5	988.9	939.9	899.3	864.5
22.5°	1477.1	1400.4	1322.4	1235.9	1160.6	1091.5	1023.7	966.6	916.2	873.0	840.0
25°	1483.4	1398.2	1313.5	1232.4	1146.7	1066.0	1005.9	939.0	885.5	840.4	804.8
27.5°	1485.6	1395.5	1301.5	1213.2	1124.9	1051.3	972.9	914.5	859.2	811.5	777.6
30°	1480.7	1385.7	1282.7	1185.1	1096.4	1014.8	948.8	883.7	827.1	779.8	744.1
32.5°	1465.1	1365.2	1258.7	1153.9	1061.1	981.8	913.1	852.0	797.2	750.8	712.9
35°	1432.1	1334.5	1221.7	1114.2	1020.1	939.4	877.9	815.0	759.7	715.6	679.5
37.5°	1388.0	1297.0	1182.4	1070.5	980.0	898.0	836.0	778.0	728.1	682.6	645.2
40°	1326.4	1248.8	1133.8	1025.5	925.6	848.5	791.4	739.2	689.7	647.4	612.2
42.5°	1255.5	1190.4	1086.6	970.2	874.8	797.2	741.9	696.4	650.5	612.2	576.9
45°	1168.6	1124.0	1024.1	918.0	817.7	744.6	691.5	650.5	611.3	572.9	543.5
47.5°	1071.8	1046.9	959.9	858.3	762.0	688.9	642.9	603.7	568.0	534.6	508.3
50°	974.2	963.5	890.8	793.6	702.7	634.9	588.5	556.0	526.6	498.0	473.5
52.5°	877.9	880.1	816.4	729.4	646.9	582.3	536.4	506.5	482.0	460.1	438.7
55°	779.4	791.8	740.6	661.2	585.9	527.0	485.5	458.3	440.5	421.3	404.8
57.5°	688.9	709.8	665.2	592.5	528.8	472.6	436.0	415.1	395.5	383.0	370.1
60°	600.6	620.2	587.2	528.3	469.0	422.7	388.3	370.1	353.6	345.5	337.1
62.5°	522.1	539.0	516.7	463.2	413.8	369.6	342.0	324.6	314.8	305.9	301.0
65°	448.1	462.8	441.8	402.2	358.0	322.4	298.7	284.9	274.2	270.6	264.4
67.5°	375.0	388.3	377.2	342.4	305.0	276.9	258.2	243.4	237.2	233.6	229.6
70°	311.2	324.6	312.5	283.1	255.9	233.2	215.8	208.2	201.5	200.2	193.9
72.5°	257.3	265.3	253.2	231.8	209.6	191.3	178.8	170.8	168.1	165.4	162.7
75°	201.1	209.1	201.1	183.2	166.8	153.4	141.8	138.7	134.6	133.3	131.1
77.5°	150.7	158.3	152.0	140.0	127.1	115.9	109.2	104.8	104.3	101.7	102.5
80°	108.8	113.2	107.5	99.9	90.1	82.9	78.5	76.2	73.6	72.7	74.5
82.5°	70.4	71.8	69.6	65.1	58.4	54.4	51.7	49.0	49.0	49.5	49.0
85°	40.6	40.1	39.7	35.2	33.0	29.9	28.1	27.6	27.2	28.1	29.0
87.5°	16.9	17.4	16.9	15.2	13.8	12.5	12.0	11.6	12.0	12.5	12.9
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°	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3	1076.3
2.5°	1050.4	1046.4	1040.6	1032.6	1025.9	1018.8	1017.0	1014.3	1019.7	1015.2	1013.9
5°	1021.0	1011.7	999.6	985.8	977.8	966.2	963.9	959.5	955.0	954.6	950.1
7.5°	990.3	977.3	962.2	947.9	935.4	922.9	914.9	914.0	906.9	903.3	898.8
10°	960.8	943.9	925.6	912.2	897.1	883.7	874.3	869.0	864.5	859.6	855.2
12.5°	926.0	907.8	893.5	878.8	860.1	850.7	833.8	823.5	823.5	824.8	811.5
15°	900.6	882.8	859.6	839.1	829.3	809.7	801.2	790.5	783.8	777.1	771.8
17.5°	869.4	847.6	829.7	806.6	788.3	773.6	762.0	756.2	745.5	735.7	729.0
20°	840.4	816.8	797.6	772.7	752.2	733.0	723.6	714.7	707.1	699.1	691.5
22.5°	811.0	786.0	761.5	737.4	718.7	698.2	689.3	676.4	669.2	665.7	658.1
25°	779.8	753.1	726.3	703.1	683.5	665.7	653.6	644.3	636.2	632.7	627.8
27.5°	745.9	719.6	694.2	667.4	644.7	631.8	622.0	614.4	609.5	604.1	601.9
30°	713.8	686.2	658.5	634.0	613.5	600.6	591.7	586.7	583.2	581.0	578.7
32.5°	681.3	654.1	624.6	602.8	585.0	573.8	567.6	562.7	561.3	560.9	560.4
35°	646.0	618.4	591.7	571.6	554.2	549.7	543.9	541.3	540.4	543.5	544.8
37.5°	612.2	586.3	561.3	541.3	529.7	522.5	520.3	519.9	523.0	525.7	528.8
40°	579.6	554.6	531.5	514.5	503.8	499.8	498.9	501.1	504.7	507.8	511.4
42.5°	548.0	523.4	502.9	487.3	480.6	477.1	478.0	480.2	485.5	489.6	495.3
45°	515.0	494.5	473.9	461.0	454.8	455.7	455.7	459.7	464.6	470.4	476.2
47.5°	484.2	463.2	445.9	434.7	431.6	430.3	432.5	437.8	444.5	451.2	459.2
50°	453.0	433.4	418.7	408.9	405.3	406.6	410.2	415.1	423.6	432.5	441.0
52.5°	421.3	403.9	390.6	381.7	379.4	382.1	385.7	394.1	401.3	411.1	421.8
55°	388.3	373.2	362.5	355.8	354.9	356.2	360.3	368.7	379.4	391.5	401.3
57.5°	355.8	342.9	332.6	327.7	328.2	329.0	335.3	345.5	356.2	369.2	381.7
60°	322.8	311.2	303.2	299.6	300.1	302.7	310.8	320.1	334.4	346.9	360.3
62.5°	291.6	281.8	274.2	271.1	270.2	276.9	284.5	294.3	308.5	322.8	337.5
65°	257.7	249.7	243.4	241.7	243.0	247.5	257.3	270.2	282.2	296.9	312.1
67.5°	224.7	218.0	213.6	214.5	215.8	222.0	230.5	241.7	255.0	270.2	285.8
70°	193.5	187.3	183.7	184.1	186.8	194.8	202.0	213.1	227.8	243.4	255.9
72.5°	161.4	157.8	154.7	156.9	159.6	164.5	173.9	185.0	197.5	211.8	225.2
75°	128.9	128.9	127.1	128.4	132.4	137.8	144.5	156.1	169.0	180.6	191.3
77.5°	101.2	99.9	100.8	102.1	104.8	111.5	119.0	127.5	137.8	149.8	158.7
80°	73.1	73.6	75.8	78.5	79.4	84.3	92.3	99.9	107.5	117.3	125.7
82.5°	50.4	50.8	51.7	55.3	56.2	61.5	66.0	73.6	80.3	86.1	92.7
85°	29.9	29.9	32.1	33.4	35.7	39.2	42.4	46.8	53.1	57.5	64.2
87.5°	14.3	14.3	16.1	16.9	18.3	20.5	21.4	26.3	28.1	30.3	34.3
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: P242660

CATALOG NUMBER: S124DRP-S795D940-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1076.3	1076.3	1076.3	1076.3
2.5°	1013.0	1012.1	1009.0	1008.5
5°	947.4	945.2	943.9	948.8
7.5°	898.0	896.2	892.2	890.8
10°	850.7	848.9	845.3	844.5
12.5°	805.2	801.2	801.2	802.5
15°	766.0	764.2	759.3	760.6
17.5°	725.9	724.1	717.4	724.1
20°	688.4	684.8	681.7	681.3
22.5°	652.7	649.6	650.1	646.5
25°	624.2	621.1	620.2	618.0
27.5°	601.0	599.2	597.4	598.3
30°	580.1	579.6	578.7	578.7
32.5°	562.7	562.7	563.6	563.6
35°	546.6	548.0	548.9	547.5
37.5°	532.4	533.2	534.6	535.9
40°	515.4	518.5	519.4	521.7
42.5°	499.4	502.9	505.6	505.6
45°	482.9	486.4	489.6	489.6
47.5°	465.9	470.8	473.9	474.4
50°	448.5	454.8	457.9	460.1
52.5°	431.6	437.8	442.3	443.2
55°	411.5	420.4	425.3	427.1
57.5°	393.7	401.7	407.1	408.4
60°	372.3	381.2	388.3	389.7
62.5°	350.4	359.8	366.0	370.1
65°	324.6	333.9	340.2	341.5
67.5°	297.4	307.2	311.2	313.9
70°	268.4	276.0	280.4	282.7
72.5°	235.4	243.4	248.8	248.8
75°	201.5	208.7	211.3	211.3
77.5°	166.3	170.3	173.9	174.8
80°	132.4	134.6	137.3	137.3
82.5°	97.6	99.4	102.1	101.7
85°	63.3	67.3	66.9	66.0
87.5°	35.7	36.1	37.5	38.3
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P242660  
 CATALOG NUMBER: S124DRP-S795D940-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	17.81	19.38	18.18	19.69	20.00	18.72	20.29	19.09	20.60	20.91
	3H	19.30	20.70	19.67	21.03	21.39	20.09	21.50	20.47	21.82	22.19
	4H	19.84	21.16	20.23	21.51	21.88	20.56	21.89	20.96	22.23	22.61
	6H	20.20	21.42	20.61	21.78	22.18	20.87	22.09	21.28	22.46	22.85
	8H	20.30	21.46	20.72	21.85	22.25	20.95	22.12	21.38	22.51	22.91
	12H	20.35	21.47	20.78	21.85	22.28	20.99	22.11	21.42	22.49	22.92
4H	2H	18.97	20.30	19.37	20.64	21.02	19.41	20.73	19.81	21.08	21.46
	3H	20.50	21.61	20.91	22.01	22.41	21.12	22.22	21.53	22.62	23.02
	4H	21.09	22.09	21.52	22.50	22.94	21.71	22.70	22.14	23.12	23.55
	6H	21.52	22.39	21.97	22.83	23.29	22.10	22.97	22.56	23.41	23.87
	8H	21.64	22.45	22.10	22.90	23.36	22.21	23.02	22.67	23.46	23.93
	12H	21.72	22.44	22.20	22.92	23.39	22.27	23.00	22.75	23.48	23.95
8H	4H	21.55	22.36	22.01	22.80	23.27	22.02	22.83	22.48	23.28	23.74
	6H	22.05	22.73	22.55	23.21	23.69	22.55	23.22	23.04	23.71	24.19
	8H	22.22	22.83	22.74	23.34	23.82	22.71	23.32	23.22	23.82	24.31
	12H	22.35	22.88	22.85	23.37	23.93	22.83	23.36	23.33	23.85	24.41
12H	4H	21.60	22.32	22.08	22.80	23.27	22.05	22.78	22.53	23.26	23.73
	6H	22.13	22.73	22.64	23.24	23.73	22.61	23.21	23.12	23.72	24.21
	8H	22.35	22.88	22.86	23.37	23.94	22.83	23.36	23.34	23.85	24.41