

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P831751

Luminaire Tested: S123DP-S560D927-4F0-1E-UDD-G

Issue Date: 05/03/2024

**Test Information**

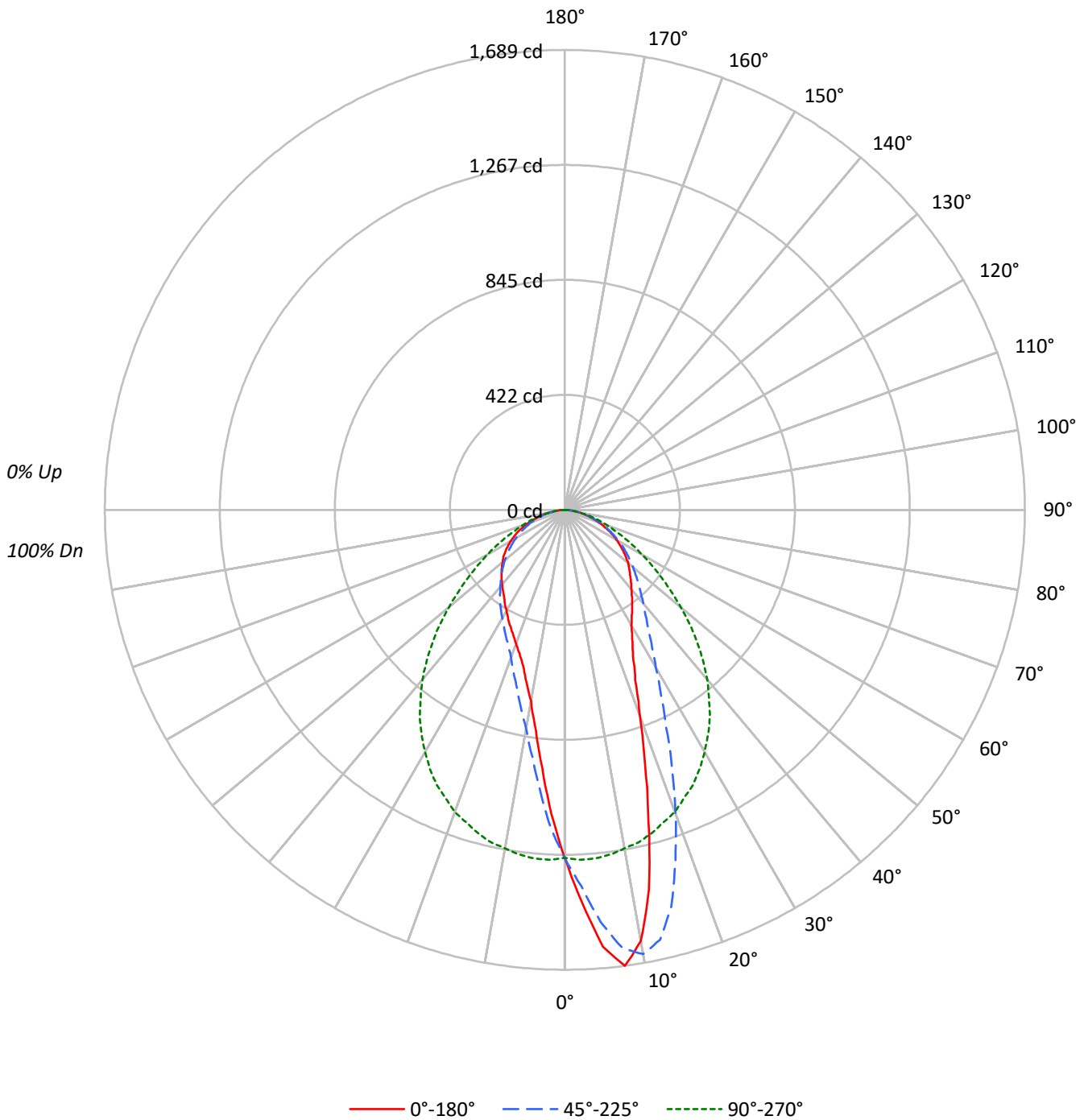
Test Method: LM-79-2019  
Report Number: P831751  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2301-905-1, -)  
Test Lab: INNOVATION CENTER  
Issue Date: 05/03/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123DP-S560D927-4F0-1E-UDD-G  
Description: DEFINE 3 DIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, GRAZE OPTIC  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2055.5 lumens  
Efficiency: N/A  
Efficacy: 104.9 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 1.19 / 0.89  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.6  
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

TEST NUMBER: P831751  
CATALOG NUMBER: S123DP-S560D927-4F0-1E-UDD-G

### Luminous Intensity Polar Plot





TEST NUMBER: P831751

CATALOG NUMBER: S123DP-S560D927-4F0-1E-UDD-G

**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	88	82	99	92	86	81	88	84	80	85	81	78	82	79	76	74				74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64				64
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	62	58	56				56
5	80	68	60	54	78	67	59	54	65	58	53	63	57	52	61	56	52	50				50
6	74	62	54	48	73	61	53	48	60	53	47	58	52	47	56	51	47	45				45
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40				40
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	39	37				37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34				34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31				31

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

	0°	45°	90°	135°	180°
0°	13764	13764	13764	13764	13764
5°	17407	16429	13887	11191	10283
10°	17575	18107	13795	8921	7795
15°	13238	16811	13700	7554	6593
20°	9223	13604	13526	6606	5987
25°	7033	10461	13227	6078	5616
30°	6084	8311	12751	5705	5317
35°	5645	7017	12202	5435	5106
40°	5344	6295	11431	5178	5036
45°	5167	5826	10450	4976	5004
50°	5077	5456	9291	4794	4978
55°	4889	5183	8150	4620	4999
60°	4712	4893	7025	4458	4917
65°	4429	4618	6059	4284	4821
70°	4088	4268	5155	3997	4538
75°	3701	3826	4417	3714	4146
80°	3050	3347	3496	3236	3496
85°	2421	2717	2569	2754	2779

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 80°  
 Vertical Angle: 45°  
 Luminance: 11931 cd/sqm

TEST NUMBER: P831751

CATALOG NUMBER: S123DP-S560D927-4F0-1E-UDD-G

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.9	5.9
10°-20°	300.7	14.6
20°-30°	356.1	17.3
30°-40°	358.0	17.4
40°-50°	328.5	16.0
50°-60°	271.1	13.2
60°-70°	191.8	9.3
70°-80°	102.4	5.0
80°-90°	26.0	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°	777.7	37.8
0°-40°	1135.7	55.3
0°-60°	1735.4	84.4
0°-90°	2055.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2055.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1279	1279	1279	1279	1279	
5°	1611	1520	1285	1036	952	153
15°	1188	1509	1229	678	592	328
25°	592	881	1114	512	473	279
35°	430	534	929	414	389	270
45°	339	383	686	327	329	263
55°	260	276	434	246	266	233
65°	174	181	238	168	189	173
75°	89	92	106	89	100	94
85°	20	22	21	22	22	23
90°	0	0	0	0	0	



TEST NUMBER: P831751

CATALOG NUMBER: S123DP-S560D927-4F0-1E-UDD-G

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7
2.5°	1441.3	1439.8	1438.3	1430.9	1423.5	1419.9	1416.3	1405.7	1395.0	1383.1	1371.2
5°	1611.0	1615.1	1619.3	1614.5	1609.8	1595.2	1580.7	1561.4	1542.1	1520.5	1498.8
7.5°	1689.3	1691.6	1694.0	1691.1	1688.1	1684.2	1680.4	1663.2	1646.0	1623.7	1601.5
10°	1608.0	1613.3	1618.7	1630.2	1641.8	1654.9	1667.9	1665.5	1663.2	1656.6	1650.1
12.5°	1429.4	1435.9	1442.4	1465.6	1488.7	1518.4	1548.1	1573.6	1599.1	1616.9	1634.7
15°	1187.9	1206.0	1224.1	1245.2	1266.2	1309.8	1353.4	1407.1	1460.8	1508.6	1556.4
17.5°	978.4	985.3	992.1	1014.6	1037.2	1092.1	1147.0	1209.0	1271.0	1350.2	1429.4
20°	805.2	811.4	817.6	847.3	877.0	920.0	963.0	1032.7	1102.5	1187.6	1272.7
22.5°	676.4	686.2	696.0	712.6	729.2	770.5	811.7	873.7	935.7	1029.8	1123.8
25°	592.2	599.3	606.4	616.5	626.6	659.5	692.4	743.5	794.5	880.8	967.2
27.5°	534.6	537.6	540.5	550.6	560.7	582.1	603.4	647.3	691.3	764.5	837.8
30°	489.5	491.6	493.7	502.6	511.5	526.0	540.5	572.3	604.0	668.7	733.4
32.5°	458.1	459.6	461.0	467.9	474.7	485.1	495.4	518.6	541.7	595.1	648.5
35°	429.6	430.5	431.4	436.4	441.5	449.2	456.9	474.4	491.9	534.0	576.1
37.5°	404.7	405.9	407.0	410.0	413.0	419.8	426.6	440.6	454.5	486.8	519.2
40°	380.3	382.4	384.5	386.6	388.6	394.3	399.9	410.6	421.3	448.0	474.7
42.5°	359.6	361.6	363.7	364.6	365.5	368.8	372.0	381.8	391.6	411.5	431.4
45°	339.4	340.3	341.2	342.1	343.0	345.6	348.3	356.9	365.5	382.7	399.9
47.5°	321.0	321.0	321.0	321.6	322.2	324.6	326.9	333.2	339.4	352.7	366.1
50°	303.2	303.2	303.2	302.3	301.4	302.9	304.4	309.1	313.9	325.8	337.6
52.5°	281.8	281.8	281.8	282.1	282.4	282.4	282.4	286.6	290.7	301.4	312.1
55°	260.5	261.7	262.9	262.0	261.1	261.7	262.3	264.9	267.6	276.2	284.8
57.5°	239.1	239.7	240.3	240.0	239.7	240.0	240.3	242.7	245.1	251.6	258.1
60°	218.9	218.9	218.9	218.4	217.8	218.4	218.9	220.1	221.3	227.3	233.2
62.5°	196.4	196.7	197.0	197.3	197.6	197.0	196.4	197.9	199.4	203.8	208.3
65°	173.9	174.1	174.4	175.3	176.2	175.6	175.0	176.5	178.0	181.3	184.5
67.5°	153.7	153.1	152.5	152.8	153.1	154.0	154.9	155.2	155.5	159.0	162.6
70°	129.9	130.5	131.1	130.8	130.5	130.8	131.1	132.0	132.9	135.6	138.3
72.5°	108.6	108.9	109.2	109.2	109.2	109.8	110.4	111.3	112.1	113.6	115.1
75°	89.0	89.0	89.0	89.6	90.2	90.5	90.8	90.8	90.8	92.0	93.2
77.5°	67.6	69.1	70.6	70.3	70.0	70.6	71.2	72.1	73.0	73.6	74.2
80°	49.2	49.2	49.2	49.5	49.8	50.7	51.6	52.2	52.8	54.0	55.2
82.5°	31.4	31.7	32.0	32.9	33.8	34.4	35.0	35.9	36.8	36.8	36.8
85°	19.6	19.0	18.4	19.0	19.6	20.2	20.8	21.1	21.4	22.0	22.5
87.5°	9.5	9.5	9.5	9.5	9.5	9.8	10.1	10.1	10.1	10.1	10.1
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: P831751

CATALOG NUMBER: S123DP-S560D927-4F0-1E-UDD-G

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7
2.5°	1367.7	1364.1	1351.1	1338.0	1323.2	1308.3	1297.4	1286.4	1270.1	1253.8	1240.4
5°	1482.2	1465.6	1438.0	1410.4	1373.0	1335.6	1310.4	1285.2	1251.4	1217.6	1190.6
7.5°	1573.0	1544.5	1505.9	1467.4	1418.4	1369.5	1323.2	1276.9	1225.3	1173.7	1131.5
10°	1630.8	1611.5	1567.0	1522.5	1457.0	1391.4	1326.7	1262.1	1195.6	1129.2	1073.4
12.5°	1636.5	1638.2	1597.3	1556.4	1482.2	1408.0	1329.4	1250.8	1167.1	1083.5	1018.5
15°	1586.9	1617.5	1594.9	1572.4	1497.6	1422.9	1326.1	1229.4	1133.0	1036.6	961.5
17.5°	1495.0	1560.5	1563.8	1567.0	1492.3	1417.5	1310.4	1203.3	1094.1	985.0	906.1
20°	1369.5	1466.2	1499.4	1532.6	1471.8	1411.0	1295.9	1180.8	1058.5	936.3	853.5
22.5°	1241.3	1358.8	1419.6	1480.4	1435.3	1390.2	1267.7	1145.2	1016.1	887.1	803.1
25°	1095.3	1223.5	1316.9	1410.4	1382.8	1355.2	1234.5	1113.7	976.4	839.0	753.3
27.5°	968.1	1098.3	1211.0	1323.8	1317.8	1311.9	1192.0	1072.2	931.6	790.9	708.2
30°	854.7	976.1	1102.2	1228.2	1242.8	1257.3	1141.6	1025.9	885.0	744.1	664.3
32.5°	754.4	860.4	995.6	1130.9	1159.4	1187.9	1083.5	979.0	839.6	700.2	623.3
35°	672.3	768.4	903.7	1039.0	1074.6	1110.2	1019.4	928.6	792.7	656.8	583.6
37.5°	599.6	680.0	812.0	944.0	987.6	1031.2	950.0	868.7	741.4	614.1	546.8
40°	539.4	604.0	725.4	846.7	897.1	947.6	880.5	813.5	692.7	572.0	510.0
42.5°	488.9	546.5	656.5	766.6	815.0	863.3	806.7	750.0	642.6	535.2	478.5
45°	445.9	491.9	591.9	691.8	737.8	783.8	735.2	686.5	591.9	497.2	444.4
47.5°	405.6	445.0	530.5	615.9	656.8	697.8	659.8	621.8	541.7	461.6	413.9
50°	369.4	401.1	475.9	550.6	586.2	621.8	588.3	554.8	488.9	423.1	381.5
52.5°	337.9	363.7	426.3	488.9	519.5	550.0	521.3	492.5	440.3	388.1	351.9
55°	306.8	328.7	383.0	437.3	458.1	478.8	456.6	434.3	392.2	350.1	319.5
57.5°	277.7	297.3	341.8	386.3	402.3	418.3	398.1	378.0	346.2	314.5	289.0
60°	249.2	265.2	302.3	339.4	349.2	359.0	342.7	326.3	304.1	281.8	259.0
62.5°	222.8	237.3	264.9	292.5	299.0	305.6	293.1	280.7	263.7	246.8	229.0
65°	195.5	206.5	229.0	251.6	255.7	259.9	248.9	237.9	225.2	212.4	199.4
67.5°	170.3	178.0	196.4	214.8	215.1	215.4	206.5	197.6	190.5	183.3	173.0
70°	145.7	153.1	165.2	177.4	177.7	178.0	170.9	163.8	158.4	153.1	145.4
72.5°	120.5	125.8	135.0	144.2	143.6	143.0	138.5	134.1	129.9	125.8	120.2
75°	97.6	102.1	108.3	114.5	112.7	111.0	108.6	106.2	102.7	99.1	95.5
77.5°	76.8	79.5	83.1	86.6	85.4	84.3	82.2	80.1	77.4	74.8	73.3
80°	56.4	57.6	59.9	62.3	61.7	61.1	58.7	56.4	55.8	55.2	53.1
82.5°	38.3	39.8	40.3	40.9	40.6	40.3	38.6	36.8	36.2	35.6	35.3
85°	22.8	23.1	23.4	23.7	22.8	22.0	21.4	20.8	20.8	20.8	20.5
87.5°	10.4	10.7	10.7	10.7	10.4	10.1	9.5	8.9	9.2	9.5	9.5
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: P831751

CATALOG NUMBER: S123DP-S560D927-4F0-1E-UDD-G

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7
2.5°	1227.1	1215.5	1203.9	1195.0	1186.1	1171.0	1155.9	1152.3	1148.7	1143.7	1138.6
5°	1163.6	1135.1	1106.6	1081.1	1055.6	1035.7	1015.8	1002.8	989.7	980.2	970.7
7.5°	1089.4	1046.7	1004.0	973.7	943.4	914.7	885.9	876.7	867.5	855.0	842.6
10°	1017.6	970.4	923.3	883.8	844.3	816.2	788.0	776.7	765.4	749.7	734.0
12.5°	953.5	901.9	850.3	810.5	770.8	743.5	716.2	699.9	683.5	674.6	665.7
15°	886.5	831.3	776.1	739.3	702.5	677.9	653.3	639.0	624.8	616.2	607.6
17.5°	827.1	772.5	718.0	682.7	647.3	624.8	602.3	589.8	577.3	570.8	564.3
20°	770.8	717.4	664.0	629.5	595.1	576.7	558.3	550.3	542.3	537.0	531.6
22.5°	719.1	666.6	614.1	584.7	555.4	540.5	525.7	520.1	514.4	510.0	505.5
25°	667.5	620.6	573.8	548.9	523.9	511.8	499.6	494.0	488.3	483.9	479.4
27.5°	625.4	580.6	535.8	514.4	493.1	483.6	474.1	469.6	465.2	461.0	456.9
30°	584.5	544.4	504.4	486.0	467.6	459.0	450.4	445.9	441.5	437.6	433.7
32.5°	546.5	512.1	477.6	460.7	443.8	436.7	429.6	424.2	418.9	415.9	413.0
35°	510.3	479.4	448.6	434.6	420.7	413.6	406.4	402.0	397.5	395.2	392.8
37.5°	479.4	451.8	424.2	410.9	397.5	390.7	383.9	380.0	376.2	375.3	374.4
40°	448.0	424.2	400.5	387.5	374.4	368.5	362.5	360.2	357.8	357.2	356.6
42.5°	421.9	398.7	375.6	363.7	351.9	346.8	341.8	340.6	339.4	340.3	341.2
45°	391.6	372.3	353.0	342.1	331.1	326.9	322.8	321.9	321.0	322.8	324.6
47.5°	366.1	348.3	330.5	320.1	309.7	306.8	303.8	303.5	303.2	305.6	308.0
50°	340.0	322.8	305.6	297.3	289.0	286.3	283.6	284.5	285.4	289.3	293.1
52.5°	315.7	299.6	283.6	275.9	268.2	266.4	264.6	266.7	268.8	272.9	277.1
55°	289.0	274.4	259.9	254.0	248.0	246.2	244.5	248.6	252.8	256.6	260.5
57.5°	263.4	250.7	237.9	232.6	227.3	227.0	226.7	230.5	234.4	238.5	242.7
60°	236.2	225.5	214.8	210.6	206.5	207.1	207.7	212.1	216.6	219.8	223.1
62.5°	211.2	202.3	193.4	189.6	185.7	187.2	188.7	193.1	197.6	201.4	205.3
65°	186.3	178.9	171.5	168.8	166.1	168.2	170.3	174.1	178.0	180.7	183.3
67.5°	162.6	156.3	150.1	148.0	146.0	148.0	150.1	154.0	157.8	160.5	163.2
70°	137.7	132.6	127.6	126.1	124.6	127.0	129.4	132.6	135.9	138.5	141.2
72.5°	114.5	110.7	106.8	106.5	106.2	108.3	110.4	113.6	116.9	118.7	120.5
75°	92.0	89.9	87.8	87.5	87.2	89.3	91.4	93.2	94.9	96.4	97.9
77.5°	71.8	70.0	68.2	68.5	68.8	70.3	71.8	73.6	75.4	76.2	77.1
80°	51.0	50.4	49.8	50.4	51.0	52.2	53.4	54.6	55.8	56.4	57.0
82.5°	35.0	34.4	33.8	34.7	35.6	36.5	37.4	38.3	39.2	39.5	39.8
85°	20.2	21.1	22.0	22.0	22.0	22.3	22.5	22.8	23.1	22.8	22.5
87.5°	9.5	9.8	10.1	10.1	10.1	10.4	10.7	10.7	10.7	10.4	10.1
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: P831751

CATALOG NUMBER: S123DP-S560D927-4F0-1E-UDD-G

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1278.7	1278.7	1278.7	1278.7
2.5°	1136.6	1134.5	1126.2	1117.9
5°	963.6	956.5	954.1	951.7
7.5°	842.0	841.4	828.9	816.5
10°	734.9	735.8	724.5	713.2
12.5°	658.3	650.9	650.0	649.1
15°	600.8	593.9	592.8	591.6
17.5°	560.1	556.0	554.8	553.6
20°	529.3	526.9	524.8	522.7
22.5°	502.6	499.6	497.8	496.0
25°	476.8	474.1	473.5	472.9
27.5°	453.6	450.4	450.4	450.4
30°	431.7	429.6	428.7	427.8
32.5°	411.2	409.4	409.4	409.4
35°	391.9	391.0	389.8	388.6
37.5°	374.4	374.4	373.8	373.2
40°	357.5	358.4	358.4	358.4
42.5°	342.1	343.0	343.0	343.0
45°	326.0	327.5	328.1	328.7
47.5°	310.3	312.7	313.3	313.9
50°	294.9	296.7	297.0	297.3
52.5°	279.2	281.2	282.7	284.2
55°	262.6	264.6	265.5	266.4
57.5°	244.8	246.8	247.1	247.4
60°	225.2	227.3	227.8	228.4
62.5°	206.5	207.7	208.3	208.9
65°	185.1	186.9	188.1	189.3
67.5°	164.7	166.1	166.1	166.1
70°	141.8	142.4	143.3	144.2
72.5°	120.7	121.0	121.0	121.0
75°	98.5	99.1	99.4	99.7
77.5°	77.4	77.7	77.7	77.7
80°	56.7	56.4	56.4	56.4
82.5°	38.9	38.0	38.0	38.0
85°	22.3	22.0	22.3	22.5
87.5°	10.1	10.1	10.1	10.1
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P831751

CATALOG NUMBER: S123DP-S560D927-4F0-1E-UDD-G

**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	16.59	18.10	16.96	18.41	18.73	18.83	20.34	19.19	20.65	20.96
	3H	18.28	19.64	18.66	19.96	20.33	20.30	21.65	20.67	21.98	22.34
	4H	18.89	20.16	19.29	20.51	20.89	20.77	22.05	21.17	22.39	22.77
	6H	19.29	20.46	19.70	20.83	21.22	21.08	22.25	21.49	22.62	23.01
	8H	19.40	20.52	19.83	20.91	21.31	21.16	22.28	21.59	22.67	23.07
	12H	19.46	20.54	19.89	20.92	21.35	21.20	22.27	21.63	22.65	23.08
4H	2H	17.24	18.51	17.64	18.86	19.24	19.06	20.33	19.46	20.68	21.06
	3H	19.12	20.18	19.53	20.58	20.98	20.73	21.79	21.14	22.19	22.59
	4H	19.84	20.79	20.27	21.21	21.65	21.34	22.29	21.77	22.71	23.15
	6H	20.35	21.18	20.80	21.62	22.08	21.78	22.61	22.24	23.05	23.51
	8H	20.50	21.27	20.96	21.71	22.18	21.90	22.68	22.37	23.12	23.59
	12H	20.59	21.28	21.07	21.76	22.23	21.98	22.67	22.46	23.15	23.62
8H	4H	20.15	20.93	20.61	21.37	21.84	21.49	22.27	21.95	22.71	23.18
	6H	20.76	21.40	21.26	21.89	22.37	22.02	22.66	22.51	23.15	23.63
	8H	20.97	21.55	21.49	22.06	22.54	22.20	22.77	22.71	23.28	23.77
	12H	21.12	21.63	21.63	22.12	22.69	22.33	22.84	22.84	23.33	23.89
12H	4H	20.18	20.87	20.66	21.35	21.82	21.50	22.19	21.98	22.67	23.14
	6H	20.81	21.39	21.33	21.90	22.39	22.03	22.61	22.55	23.12	23.61
	8H	21.08	21.58	21.59	22.08	22.64	22.26	22.77	22.77	23.26	23.83