

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: P1038242

Luminaire Tested: S125RDS-B610DB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1038242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-32)
Test Lab: INNOVATION CENTER
Issue Date: 5/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDS-B610DB2750-4F0-XX-W2A-A_3000K
Description: Define 5 Regressed Direct Surface with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

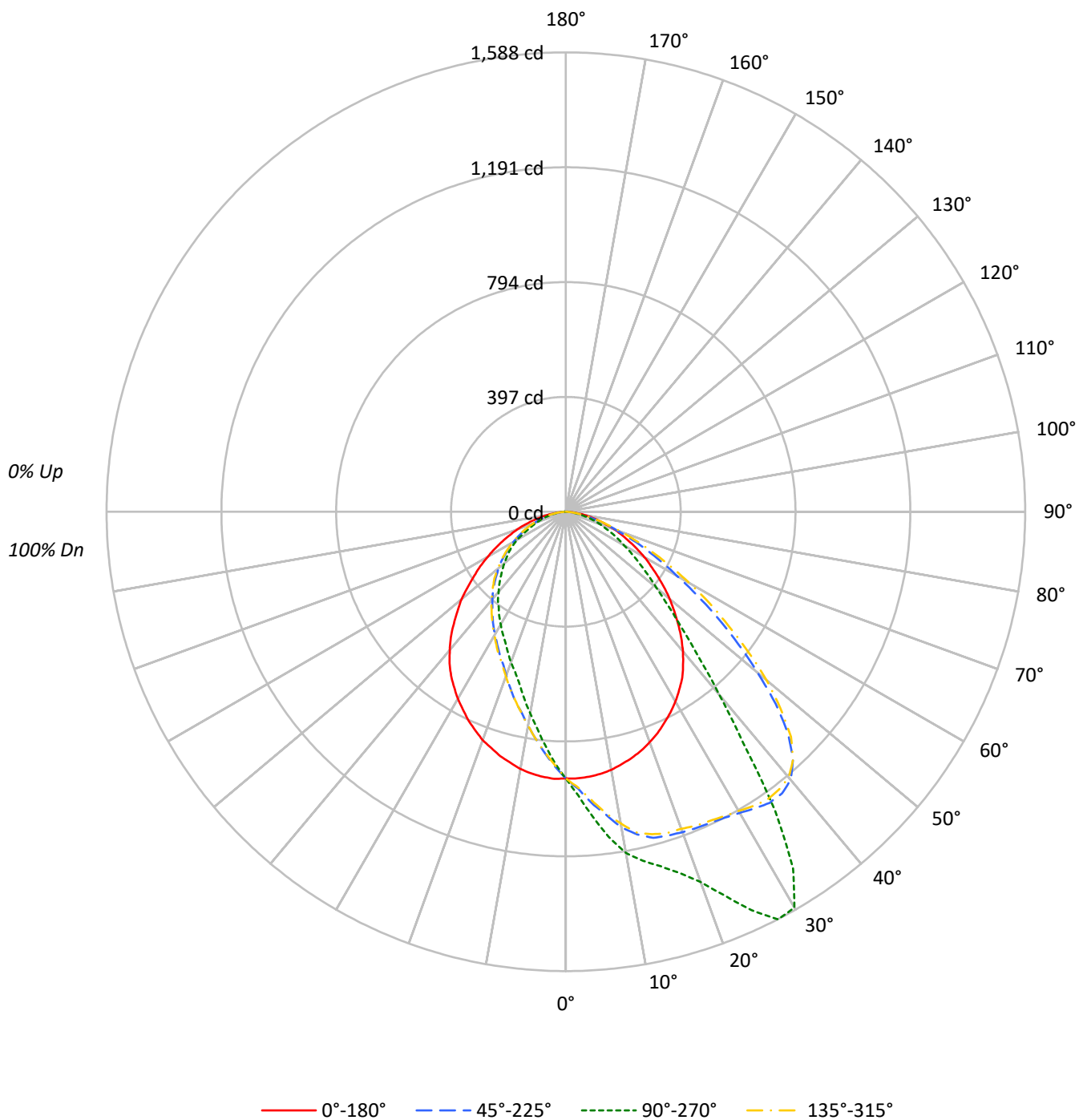
Lumens per Lamp: N/A
Luminaire Lumens: 2388.0 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
Input Voltage (V):
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				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		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	110	106	102	98	107	103	100	97	99	96	94		95	93	91		92	90	88		86
2	101	93	87	82	98	91	86	81	88	83	79		85	81	77		82	78	75		73
3	92	83	75	69	90	81	74	69	78	72	67		76	70	66		73	69	65		63
4	85	74	66	59	83	73	65	59	70	63	58		68	62	57		66	61	57		55
5	79	66	58	52	77	65	57	51	63	56	51		61	55	50		60	54	50		48
6	73	60	52	45	71	59	51	45	57	50	45		56	49	44		54	49	44		42
7	68	55	46	40	66	54	46	40	52	45	40		51	44	40		50	44	39		37
8	63	50	42	36	61	49	42	36	48	41	36		47	40	36		46	40	35		34
9	59	46	38	33	58	45	38	33	44	37	32		43	37	32		42	36	32		30
10	55	42	35	30	54	42	35	30	41	34	30		40	34	29		39	33	29		28

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5905	5905	5905	5905
5°	5914	6794	5914	5222
10°	5893	7793	5874	4608
15°	5843	8418	5803	4096
20°	5779	9282	5727	3782
25°	5692	10743	5628	3509
30°	5604	11690	5521	3331
35°	5487	9861	5410	3167
40°	5266	6886	5222	3025
45°	4971	5109	4965	2887
50°	4669	4073	4692	2768
55°	4329	3457	4320	2663
60°	4015	2987	3995	2492
65°	3648	2662	3672	2145
70°	3361	2340	3346	1956
75°	2904	2022	2904	1837
80°	2457	1535	2428	1535
85°	1948	1279	1889	1448

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 9970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	3.7
10°-20°	259.1	10.9
20°-30°	410.9	17.2
30°-40°	496.5	20.8
40°-50°	442.0	18.5
50°-60°	339.0	14.2
60°-70°	220.1	9.2
70°-80°	106.8	4.5
80°-90°	25.1	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°	758.4	31.8
0°-40°	1254.9	52.5
0°-60°	2035.9	85.3
0°-90°	2388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2388.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	922	922	922	922	922	
5°	920	1056	920	812	920	87
15°	881	1269	875	618	881	248
25°	805	1520	796	496	805	371
35°	702	1261	692	405	702	437
45°	549	564	548	319	549	423
55°	388	310	387	238	388	347
65°	241	176	242	142	241	241
75°	117	82	117	74	117	126
85°	26	17	26	20	26	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7
2.5°	922.5	930.0	932.3	938.4	945.2	946.7	950.5	955.8	958.8	958.0	958.0
5°	919.5	932.3	941.4	952.0	964.9	970.2	974.7	986.0	995.1	1000.4	1009.5
7.5°	914.2	933.1	948.2	964.1	983.8	992.9	1002.7	1018.6	1035.2	1045.8	1055.7
10°	905.8	930.0	951.2	974.7	1001.2	1014.8	1026.9	1051.1	1071.6	1085.2	1107.9
12.5°	893.7	924.0	953.5	984.5	1017.8	1032.2	1048.9	1075.3	1104.1	1123.8	1142.7
15°	880.9	917.2	949.0	986.0	1026.2	1048.1	1069.3	1097.3	1123.0	1145.0	1166.9
17.5°	865.7	904.3	943.7	986.0	1031.5	1053.4	1071.6	1104.9	1132.1	1154.0	1173.7
20°	847.6	890.7	935.3	982.3	1028.4	1048.9	1066.3	1102.6	1126.8	1150.3	1178.3
22.5°	827.9	874.8	922.5	968.6	1014.0	1036.0	1056.4	1088.2	1114.7	1146.5	1182.8
25°	805.2	856.6	905.1	951.2	994.4	1014.8	1033.0	1067.8	1104.9	1145.0	1185.8
27.5°	782.5	832.4	879.3	921.7	968.6	987.6	1005.7	1049.6	1093.5	1135.9	1191.9
30°	757.5	808.2	849.1	888.4	933.8	953.5	976.2	1026.2	1076.1	1133.6	1201.7
32.5°	729.5	775.7	813.5	854.4	895.2	919.5	948.2	1002.7	1060.2	1129.1	1216.1
35°	701.5	738.6	773.4	812.0	861.2	886.9	914.9	972.4	1044.3	1126.8	1228.2
37.5°	665.9	701.5	728.8	768.1	818.8	849.1	877.1	943.7	1025.4	1121.5	1227.5
40°	629.6	659.9	685.6	726.5	781.7	809.7	840.0	912.6	1005.7	1106.4	1209.3
42.5°	590.3	616.0	644.0	683.3	737.1	764.3	799.1	883.9	978.5	1085.2	1162.4
45°	548.6	573.6	597.1	637.9	691.7	721.2	759.0	846.0	945.2	1040.5	1086.7
47.5°	507.8	529.7	554.7	590.3	644.8	677.3	715.9	809.0	900.5	980.8	984.5
50°	468.4	485.8	507.0	543.3	600.1	631.1	671.2	758.3	847.6	902.8	865.7
52.5°	427.6	443.5	465.4	497.2	550.2	586.5	621.3	708.3	783.2	820.3	752.2
55°	387.5	401.1	423.8	459.3	505.5	533.5	569.1	650.1	715.9	716.6	642.5
57.5°	348.1	360.2	379.1	410.9	454.1	486.6	519.1	589.5	634.2	621.3	538.8
60°	313.3	320.9	338.3	369.3	409.4	432.9	467.7	526.7	556.2	532.8	444.2
62.5°	277.0	284.5	298.2	323.1	361.0	385.9	407.9	456.3	476.8	441.2	368.5
65°	240.6	249.7	259.6	279.2	314.8	331.5	351.1	386.7	406.4	364.8	301.9
67.5°	208.9	213.4	223.2	243.7	268.6	283.8	297.4	321.6	325.4	292.1	240.6
70°	179.4	180.9	189.9	202.1	221.0	230.1	241.4	255.8	255.8	228.5	187.7
72.5°	146.1	148.3	155.1	168.0	179.4	183.9	187.7	196.8	195.2	170.3	142.3
75°	117.3	118.8	124.1	130.2	134.7	143.0	146.1	144.5	143.8	122.6	106.7
77.5°	90.8	91.6	95.4	100.6	101.4	104.4	102.2	102.2	95.4	83.2	74.9
80°	66.6	67.4	68.9	70.4	70.4	70.4	70.4	66.6	62.1	54.5	52.2
82.5°	44.6	44.6	45.4	46.9	46.2	44.6	43.1	39.4	36.3	34.1	32.5
85°	26.5	26.5	27.2	26.5	23.5	22.7	21.2	20.4	19.7	18.9	18.9
87.5°	12.9	12.1	10.6	9.1	9.1	9.1	9.1	9.1	9.1	8.3	8.3
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7
2.5°	961.8	967.1	971.7	969.4	978.5	977.7	979.2	982.3	983.0	981.5	978.5
5°	1014.0	1021.6	1034.5	1041.3	1039.8	1045.8	1048.9	1053.4	1057.9	1056.4	1056.4
7.5°	1072.3	1082.9	1095.8	1113.2	1115.5	1120.8	1129.8	1129.8	1135.1	1132.9	1132.1
10°	1123.0	1135.9	1156.3	1169.9	1176.0	1179.0	1188.1	1191.1	1197.2	1197.9	1197.9
12.5°	1164.6	1187.3	1201.0	1214.6	1217.6	1222.2	1229.0	1233.5	1235.8	1235.8	1233.5
15°	1186.6	1204.8	1220.6	1235.0	1243.3	1247.1	1253.9	1259.2	1262.3	1269.1	1270.6
17.5°	1195.7	1217.6	1243.3	1263.8	1278.2	1281.9	1295.6	1300.1	1306.2	1309.2	1313.0
20°	1208.5	1240.3	1271.3	1296.3	1309.9	1319.8	1334.2	1355.3	1361.4	1361.4	1359.1
22.5°	1219.9	1260.8	1303.1	1343.2	1354.6	1374.3	1400.7	1423.5	1432.5	1436.3	1433.3
25°	1233.5	1289.5	1344.8	1394.7	1425.7	1440.1	1475.7	1502.9	1513.5	1519.6	1521.1
27.5°	1257.0	1327.3	1397.7	1461.3	1493.1	1509.7	1546.8	1570.3	1583.1	1588.4	1584.6
30°	1283.5	1369.7	1451.5	1508.2	1529.4	1549.8	1574.0	1583.1	1580.1	1580.1	1591.5
32.5°	1310.7	1400.0	1472.6	1509.7	1517.3	1514.3	1504.4	1477.2	1461.3	1461.3	1471.1
35°	1325.8	1403.0	1440.1	1428.0	1398.5	1381.1	1327.3	1297.1	1263.0	1260.8	1272.1
37.5°	1317.5	1350.8	1335.7	1256.2	1216.1	1182.8	1098.8	1065.5	1040.5	1005.7	1059.5
40°	1259.2	1247.9	1169.2	1054.9	1010.3	963.3	896.8	863.5	828.6	823.3	836.2
42.5°	1160.9	1093.5	978.5	868.0	822.6	789.3	738.6	706.1	684.1	675.0	690.2
45°	1038.3	932.3	817.3	729.5	679.6	662.2	616.0	587.2	570.6	563.8	574.4
47.5°	888.4	781.7	672.8	598.6	569.1	551.7	520.6	495.7	481.3	476.8	481.3
50°	754.5	644.8	553.2	505.5	479.0	464.6	438.9	423.0	411.7	408.6	416.2
52.5°	638.7	538.8	469.2	426.8	409.4	397.3	379.1	365.5	358.7	355.7	361.0
55°	535.0	454.1	398.1	361.7	348.9	341.3	325.4	317.8	310.3	309.5	314.8
57.5°	443.5	387.5	336.0	310.3	306.5	295.1	281.5	274.7	270.9	270.2	272.4
60°	369.3	319.3	288.3	265.6	260.3	251.2	243.7	239.1	234.6	233.1	234.6
62.5°	307.2	267.9	242.9	227.8	220.2	217.9	209.6	204.3	203.6	203.6	205.1
65°	253.5	220.2	204.3	192.2	186.9	184.6	178.6	174.8	175.6	175.6	176.3
67.5°	206.6	182.4	168.0	161.9	157.4	156.6	150.6	149.1	147.6	147.6	149.1
70°	164.2	149.1	138.5	135.5	134.7	129.4	127.1	126.4	124.1	124.9	124.9
72.5°	128.6	118.8	112.8	108.2	109.0	105.9	102.9	102.9	101.4	103.7	103.7
75°	95.4	90.8	86.3	84.8	86.3	84.8	82.5	81.7	82.5	81.7	81.7
77.5°	70.4	68.1	66.6	65.8	65.8	62.8	61.3	62.8	59.8	61.3	61.3
80°	49.2	46.2	45.4	43.9	44.6	42.4	43.1	41.6	41.6	41.6	41.6
82.5°	31.0	30.3	30.3	30.3	29.5	29.5	29.5	29.5	29.5	29.5	28.8
85°	18.9	18.2	18.2	18.2	17.4	17.4	17.4	17.4	17.4	17.4	17.4
87.5°	7.6	8.3	8.3	9.1	8.3	7.6	7.6	7.6	8.3	8.3	7.6
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7
2.5°	982.3	977.0	979.2	977.0	974.7	972.4	967.1	959.6	953.5	949.0	948.2
5°	1057.9	1051.1	1046.6	1044.3	1039.8	1033.7	1023.9	1012.5	998.9	993.6	983.0
7.5°	1127.6	1125.3	1114.7	1113.2	1110.2	1098.8	1082.2	1067.0	1049.6	1035.2	1021.6
10°	1193.4	1188.1	1180.5	1169.9	1168.4	1154.0	1138.2	1117.0	1094.3	1080.6	1056.4
12.5°	1234.3	1228.2	1219.9	1213.1	1209.3	1200.2	1178.3	1157.1	1136.6	1111.7	1090.5
15°	1263.8	1256.2	1241.1	1235.8	1231.2	1219.1	1203.2	1181.3	1154.0	1136.6	1106.4
17.5°	1303.9	1294.8	1279.7	1269.8	1261.5	1242.6	1219.9	1190.4	1164.6	1145.0	1117.7
20°	1350.0	1336.4	1316.8	1303.9	1291.8	1269.8	1238.0	1203.2	1166.2	1141.9	1113.9
22.5°	1426.5	1400.7	1369.7	1351.6	1334.9	1297.1	1259.2	1216.1	1174.5	1138.2	1104.1
25°	1500.6	1474.9	1436.3	1411.3	1385.6	1341.7	1291.8	1232.0	1179.0	1136.6	1092.0
27.5°	1569.5	1543.0	1507.5	1477.2	1452.2	1386.4	1320.5	1253.2	1185.8	1127.6	1082.2
30°	1585.4	1574.0	1546.8	1520.3	1497.6	1437.1	1360.6	1275.1	1194.2	1119.2	1068.5
32.5°	1489.3	1517.3	1524.1	1520.3	1505.9	1462.8	1392.4	1302.4	1206.3	1115.5	1045.8
35°	1289.5	1340.2	1392.4	1420.4	1434.0	1440.1	1398.5	1316.0	1214.6	1109.4	1030.7
37.5°	1069.3	1118.5	1201.0	1242.6	1288.8	1349.3	1365.9	1313.0	1210.8	1104.9	1006.5
40°	878.6	941.4	1009.5	1047.3	1087.5	1196.4	1278.9	1272.9	1198.7	1088.2	987.6
42.5°	715.1	754.5	814.3	855.9	905.1	1026.9	1137.4	1191.9	1162.4	1067.8	963.3
45°	596.3	626.6	669.0	711.3	741.6	852.1	983.0	1072.3	1100.3	1031.5	926.3
47.5°	502.5	525.2	562.3	588.8	621.3	708.3	821.8	947.5	1006.5	980.0	886.9
50°	430.6	448.8	478.3	494.9	523.7	598.6	684.9	816.5	905.8	908.9	834.7
52.5°	367.8	385.9	410.9	425.3	442.7	493.4	580.4	691.7	794.6	832.4	774.9
55°	320.1	330.7	351.1	362.5	378.4	427.6	482.8	577.4	684.9	746.9	710.6
57.5°	276.2	287.6	300.4	309.5	320.9	360.2	410.2	481.3	588.0	655.3	643.2
60°	240.6	247.5	259.6	266.4	277.0	302.7	337.5	408.6	493.4	557.0	563.8
62.5°	207.4	213.4	221.7	227.8	234.6	255.0	280.8	331.5	405.6	474.5	483.6
65°	178.6	183.9	188.4	193.7	199.0	211.9	233.8	273.2	330.7	395.0	414.7
67.5°	152.9	154.4	161.2	161.9	165.0	174.8	190.7	222.5	264.1	315.6	341.3
70°	127.9	130.9	132.4	134.7	137.7	144.5	157.4	174.1	205.1	246.7	270.9
72.5°	103.7	104.4	106.7	108.2	111.2	116.5	122.6	135.5	155.1	185.4	207.4
75°	82.5	83.2	84.8	85.5	87.8	89.3	92.3	101.4	115.0	133.2	149.1
77.5°	62.1	63.6	65.1	65.1	65.8	67.4	68.9	71.9	78.7	90.8	104.4
80°	42.4	43.1	43.1	43.9	43.1	45.4	47.7	51.5	54.5	58.3	65.1
82.5°	29.5	29.5	29.5	30.3	30.3	31.0	31.0	31.8	32.5	34.8	37.8
85°	18.2	18.2	18.9	17.4	18.2	18.9	18.9	18.2	18.9	19.7	20.4
87.5°	7.6	7.6	8.3	8.3	8.3	8.3	7.6	8.3	7.6	8.3	8.3
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: P1038242

CATALOG NUMBER: S125RDS-B610DB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7
2.5°	945.9	941.4	938.4	937.6	933.1	929.3	924.8	924.0	921.7	915.7	911.9
5°	975.5	964.9	962.6	955.8	944.4	936.1	925.5	919.5	912.6	901.3	892.2
7.5°	1005.7	991.3	980.8	970.9	955.0	939.9	924.8	912.6	900.5	883.9	870.3
10°	1035.2	1013.3	1000.4	986.0	964.1	941.4	920.2	902.8	883.1	863.5	843.8
12.5°	1062.5	1034.5	1015.6	995.1	967.9	939.9	912.6	888.4	868.0	841.5	819.6
15°	1079.1	1048.1	1029.2	1009.5	968.6	937.6	905.8	874.8	847.6	819.6	799.1
17.5°	1089.0	1054.2	1033.0	1014.8	973.2	930.8	889.9	856.6	827.1	793.8	766.6
20°	1084.4	1050.4	1030.7	1013.3	964.9	922.5	878.6	840.0	802.9	768.9	740.1
22.5°	1074.6	1039.0	1017.1	1001.2	958.0	908.1	859.7	818.0	779.5	745.4	712.9
25°	1053.4	1018.6	999.7	980.0	937.6	889.9	840.8	796.1	755.2	718.9	682.6
27.5°	1034.5	992.1	972.4	955.0	910.4	868.0	819.6	770.4	728.8	690.9	654.6
30°	1012.5	964.9	943.7	920.2	880.1	840.0	791.6	746.2	703.0	662.9	628.1
32.5°	989.1	933.8	909.6	883.1	842.3	804.4	763.6	718.9	675.8	636.4	600.1
35°	958.8	899.8	871.8	846.8	804.4	766.6	728.8	691.7	648.5	606.9	572.1
37.5°	930.0	865.0	835.5	806.7	762.1	725.7	694.7	659.9	618.3	578.2	544.9
40°	897.5	822.6	792.3	765.8	719.7	679.6	651.6	624.3	588.0	549.4	513.1
42.5°	868.0	783.2	751.5	724.2	675.8	637.9	611.5	588.8	557.0	521.4	484.3
45°	827.1	740.9	708.3	679.6	630.4	594.8	567.6	547.9	522.9	489.6	456.3
47.5°	789.3	700.0	664.4	629.6	585.0	548.6	523.7	508.5	491.9	462.4	428.3
50°	743.1	653.1	616.8	588.0	537.3	506.3	481.3	470.7	455.6	427.6	400.3
52.5°	693.2	607.7	573.6	538.8	491.9	461.6	439.7	427.6	415.5	395.0	369.3
55°	634.9	557.0	525.2	494.2	447.2	419.2	399.6	386.7	379.9	361.0	342.1
57.5°	578.9	505.5	476.0	447.2	406.4	374.6	361.7	350.4	340.5	326.9	311.0
60°	522.2	455.6	423.8	398.1	362.5	333.7	323.1	311.8	304.2	293.6	282.3
62.5°	457.1	400.3	376.1	351.9	321.6	298.9	286.8	277.7	267.9	261.1	251.2
65°	388.2	348.1	324.6	306.5	277.7	257.3	248.2	242.2	233.8	227.0	219.5
67.5°	323.9	292.1	282.3	262.6	240.6	222.5	215.7	208.1	201.3	197.5	190.7
70°	261.8	239.1	229.3	224.0	199.8	187.7	181.6	178.6	170.3	166.5	161.9
72.5°	202.8	194.5	187.7	180.9	165.0	157.4	150.6	147.6	141.5	138.5	137.0
75°	149.8	144.5	140.8	140.0	133.2	125.6	118.8	117.3	112.8	109.7	108.2
77.5°	105.2	103.7	102.9	103.7	99.1	94.6	93.1	91.6	86.3	85.5	85.5
80°	68.9	72.6	72.6	71.9	70.4	69.6	67.4	65.8	62.8	62.1	62.8
82.5°	42.4	44.6	45.4	46.9	46.2	45.4	43.9	43.1	43.9	42.4	43.1
85°	21.2	22.7	25.7	25.7	26.5	26.5	26.5	25.7	24.2	25.0	24.2
87.5°	8.3	9.1	9.1	9.1	8.3	10.6	11.4	11.4	11.4	9.8	9.8
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: P1038242

CATALOG NUMBER: S125RDS-B610DB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7
2.5°	909.6	906.6	904.3	902.0	892.2	881.6	880.1	877.8	873.3	878.6	876.3
5°	886.2	879.3	875.6	865.7	853.6	844.5	837.0	827.9	824.1	821.1	820.3
7.5°	857.4	851.3	844.5	834.7	819.6	804.4	793.1	784.0	776.4	772.6	772.6
10°	829.4	821.8	812.8	796.1	781.7	762.8	750.7	741.6	731.0	725.0	719.7
12.5°	800.6	792.3	784.0	762.8	746.2	726.5	709.1	697.7	692.4	685.6	676.5
15°	771.9	759.0	750.7	729.5	708.3	688.6	677.3	665.2	653.1	646.3	643.2
17.5°	741.6	732.5	718.9	696.2	672.8	655.3	638.7	627.3	613.0	606.2	599.3
20°	714.4	700.8	687.1	664.4	641.7	618.3	601.6	588.0	578.9	573.6	567.6
22.5°	681.8	669.0	657.6	633.4	608.4	586.5	568.3	560.0	550.9	542.6	536.5
25°	653.8	641.0	629.6	603.1	575.9	555.5	541.8	531.2	521.4	517.6	511.6
27.5°	624.3	612.2	597.1	570.6	546.4	529.0	514.6	504.8	497.2	489.6	485.1
30°	596.3	582.7	569.1	540.3	520.6	503.2	489.6	477.5	471.5	467.7	460.1
32.5°	569.1	551.7	540.3	513.8	494.9	478.3	466.9	456.3	448.8	441.9	435.9
35°	539.6	520.6	509.3	487.3	467.7	451.0	441.2	433.6	424.5	418.5	415.5
37.5°	511.6	495.7	484.3	461.6	441.9	428.3	417.7	407.9	404.1	395.8	394.3
40°	481.3	467.7	457.1	435.1	417.0	406.4	395.0	385.9	379.1	375.3	370.1
42.5°	454.1	442.7	431.3	410.9	393.5	380.6	372.3	364.0	357.9	351.9	348.1
45°	429.1	417.0	406.4	386.7	369.3	357.9	349.6	339.8	338.3	329.9	326.2
47.5°	402.6	392.0	382.9	362.5	346.6	335.2	325.4	318.6	311.8	308.8	303.5
50°	376.9	366.3	355.7	337.5	323.1	311.8	301.9	294.4	290.6	286.1	281.5
52.5°	348.9	340.5	332.2	313.3	298.9	289.1	280.8	270.9	267.1	263.4	260.3
55°	325.4	313.3	304.2	288.3	275.5	264.9	255.8	248.2	244.4	241.4	237.6
57.5°	293.6	286.1	278.5	264.1	252.0	241.4	232.3	226.3	221.7	219.5	220.2
60°	266.4	258.1	253.5	238.4	226.3	217.9	209.6	203.6	199.0	196.8	196.0
62.5°	237.6	231.6	223.2	212.6	200.5	193.0	186.9	182.4	174.8	174.1	171.8
65°	209.6	205.1	197.5	187.7	177.8	171.0	164.2	158.2	155.1	151.4	149.1
67.5°	182.4	177.8	171.0	162.7	155.9	149.1	143.0	137.0	131.7	128.6	127.1
70°	155.9	152.1	147.6	137.7	129.4	124.1	119.6	115.8	110.5	109.0	108.2
72.5°	130.2	126.4	124.1	115.8	108.2	103.7	99.1	95.4	93.1	92.3	90.1
75°	106.7	102.9	99.9	92.3	87.8	84.8	80.2	78.7	76.4	75.7	74.9
77.5°	83.2	79.5	78.7	73.4	68.1	66.6	65.1	62.1	62.1	62.1	60.5
80°	59.8	59.0	58.3	53.0	50.7	49.2	48.4	46.2	44.6	43.1	42.4
82.5°	40.1	39.4	38.6	36.3	34.1	33.3	32.5	31.0	31.0	31.8	30.3
85°	24.2	22.7	21.9	21.2	19.7	19.7	20.4	19.7	19.7	19.7	18.9
87.5°	9.1	9.1	9.1	9.1	9.8	8.3	9.1	9.1	8.3	8.3	7.6
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: P1038242

CATALOG NUMBER: S125RDS-B610DB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7
2.5°	872.5	874.0	870.3	868.8	865.7	869.5	870.3	869.5	876.3	873.3	874.8
5°	821.8	818.8	816.5	811.2	811.2	812.0	814.3	810.5	812.8	818.0	817.3
7.5°	765.8	764.3	765.1	759.0	754.5	756.0	754.5	761.3	765.1	763.6	766.6
10°	715.1	718.2	711.3	708.3	705.3	708.3	707.6	709.1	713.6	716.6	721.9
12.5°	674.3	673.5	669.7	666.7	661.4	662.9	667.5	665.9	666.7	673.5	672.8
15°	635.7	631.1	628.1	621.3	622.8	617.5	622.1	627.3	629.6	635.7	639.5
17.5°	597.1	596.3	592.5	591.8	583.5	581.2	585.7	587.2	589.5	592.5	597.8
20°	564.5	563.8	558.5	557.0	550.2	554.7	553.2	556.2	557.7	563.8	566.1
22.5°	535.0	531.2	529.7	527.5	525.2	524.4	527.5	526.7	532.0	534.3	535.0
25°	507.8	504.8	504.0	500.2	498.7	496.4	498.7	501.0	507.0	509.3	512.3
27.5°	482.8	480.5	479.0	476.0	473.7	473.7	475.2	478.3	480.5	482.1	483.6
30°	460.1	458.6	454.1	452.5	450.3	450.3	450.3	451.8	455.6	460.1	462.4
32.5°	436.6	433.6	430.6	430.6	428.3	428.3	429.1	430.6	434.4	435.1	438.9
35°	413.9	410.9	408.6	407.1	407.9	404.9	406.4	408.6	413.2	414.7	417.0
37.5°	392.0	391.2	386.7	384.4	385.9	385.9	385.2	386.7	389.7	392.8	394.3
40°	367.8	366.3	366.3	364.0	364.8	361.7	364.0	365.5	367.0	370.1	372.3
42.5°	346.6	345.1	342.1	342.8	340.5	340.5	342.1	342.8	345.1	348.9	350.4
45°	323.9	323.9	322.4	320.1	320.9	318.6	320.1	320.9	323.9	327.7	326.2
47.5°	301.9	301.2	301.2	298.2	299.7	297.4	299.7	300.4	301.9	304.2	303.5
50°	280.8	278.5	279.2	278.5	277.7	277.7	279.2	279.2	280.8	280.8	283.0
52.5°	258.8	258.8	257.3	258.1	259.6	258.1	260.3	258.1	259.6	260.3	261.8
55°	239.1	237.6	238.4	237.6	240.6	238.4	240.6	239.1	240.6	239.9	241.4
57.5°	217.9	215.7	216.4	215.7	217.9	217.2	219.5	217.2	217.9	218.7	221.0
60°	193.7	193.7	193.7	192.2	194.5	194.5	193.7	193.7	196.8	198.3	197.5
62.5°	171.0	170.3	168.0	167.2	168.0	166.5	169.5	168.8	170.3	171.8	173.3
65°	146.1	144.5	143.8	142.3	142.3	141.5	142.3	145.3	146.1	146.8	150.6
67.5°	125.6	124.9	124.1	121.8	121.8	123.4	123.4	123.4	127.9	125.6	128.6
70°	107.5	105.9	104.4	103.7	103.7	104.4	105.2	105.9	105.2	108.2	109.0
72.5°	90.1	90.8	89.3	89.3	89.3	88.5	88.5	90.1	90.8	90.1	90.8
75°	74.9	74.9	74.2	74.9	74.9	74.2	74.2	75.7	75.7	74.9	77.2
77.5°	60.5	59.8	58.3	56.8	57.5	56.8	57.5	56.8	59.0	61.3	59.8
80°	42.4	41.6	41.6	41.6	42.4	41.6	43.1	41.6	42.4	42.4	43.1
82.5°	30.3	31.0	31.0	30.3	31.0	30.3	31.0	31.0	31.0	30.3	31.0
85°	19.7	19.7	19.7	19.7	18.9	19.7	19.7	19.7	20.4	19.7	20.4
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	9.1	8.3	9.1
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: P1038242

CATALOG NUMBER: S125RDS-B610DB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7
2.5°	871.8	875.6	872.5	870.3	876.3	879.3	879.3	884.6	889.9	894.5	895.2
5°	818.0	824.1	825.6	824.9	833.9	838.5	848.3	853.6	861.2	866.5	872.5
7.5°	768.9	777.2	777.9	779.5	793.1	800.6	809.0	822.6	833.2	840.8	847.6
10°	719.7	725.0	730.3	737.1	750.7	763.6	775.7	790.1	803.7	811.2	821.1
12.5°	682.6	686.4	692.4	697.0	711.3	722.7	738.6	758.3	777.9	784.0	796.1
15°	644.0	646.3	658.4	662.9	675.0	693.9	703.8	722.7	743.9	755.2	768.9
17.5°	599.3	613.0	620.5	625.8	641.0	656.1	672.0	691.7	718.9	729.5	739.3
20°	567.6	577.4	585.7	592.5	606.2	628.9	643.2	659.1	684.9	697.0	711.3
22.5°	539.6	547.9	555.5	563.0	572.1	592.5	609.2	631.1	656.9	668.2	684.9
25°	513.1	521.4	525.9	535.0	547.1	561.5	581.2	600.9	626.6	639.5	655.3
27.5°	487.3	495.7	504.0	511.6	519.9	533.5	547.1	572.1	598.6	613.7	627.3
30°	465.4	469.2	476.8	485.1	493.4	506.3	522.2	539.6	569.8	583.5	600.1
32.5°	441.2	448.0	453.3	459.3	469.9	480.5	494.9	516.9	541.1	553.9	572.1
35°	418.5	424.5	428.3	438.9	445.7	457.1	471.5	491.1	511.6	525.9	541.8
37.5°	396.5	402.6	407.1	413.2	422.3	432.1	447.2	461.6	485.8	497.9	516.1
40°	373.8	379.1	384.4	391.2	399.6	411.7	420.8	438.9	458.6	472.2	485.8
42.5°	351.9	354.9	361.0	368.5	376.9	387.5	400.3	414.7	434.4	446.5	458.6
45°	328.4	333.7	340.5	345.8	353.4	364.0	375.3	388.2	407.9	420.0	432.9
47.5°	306.5	310.3	314.8	323.1	333.0	340.5	352.6	364.8	382.9	394.3	406.4
50°	283.8	287.6	294.4	299.7	307.2	317.1	328.4	341.3	358.7	366.3	378.4
52.5°	262.6	264.1	270.9	276.2	283.8	295.1	304.2	315.6	332.2	340.5	352.6
55°	241.4	242.9	246.7	252.0	260.3	269.4	279.2	292.1	306.5	314.1	325.4
57.5°	219.5	221.0	224.8	228.5	236.9	245.2	256.5	267.1	281.5	288.3	298.9
60°	197.5	197.5	201.3	206.6	212.6	220.2	230.1	242.9	253.5	261.8	269.4
62.5°	174.1	176.3	178.6	182.4	189.2	198.3	206.6	215.7	228.5	234.6	241.4
65°	150.6	152.9	157.4	161.2	166.5	172.5	183.1	190.7	200.5	207.4	213.4
67.5°	130.2	132.4	135.5	140.0	143.8	150.6	158.2	165.7	176.3	180.9	185.4
70°	109.0	111.2	113.5	119.6	123.4	128.6	133.9	141.5	150.6	153.6	157.4
72.5°	92.3	93.1	96.1	97.6	102.9	107.5	113.5	118.1	124.9	128.6	131.7
75°	77.9	77.9	78.7	80.2	83.2	86.3	90.8	95.4	101.4	103.7	107.5
77.5°	61.3	63.6	62.8	64.3	65.8	67.4	71.1	74.2	80.2	81.7	83.2
80°	43.9	44.6	46.9	49.2	49.2	51.5	53.7	54.5	58.3	60.5	60.5
82.5°	31.8	32.5	31.8	32.5	33.3	34.1	36.3	39.4	39.4	40.1	41.6
85°	19.7	19.7	20.4	21.2	21.2	20.4	21.9	21.2	21.9	23.5	23.5
87.5°	9.8	9.1	9.1	9.1	9.1	9.1	9.8	9.1	9.8	9.8	9.8
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: P1038242

CATALOG NUMBER: S125RDS-B610DB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	921.7	921.7	921.7	921.7
2.5°	900.5	907.3	914.2	922.5
5°	882.4	894.5	907.3	919.5
7.5°	862.7	880.1	896.8	914.2
10°	840.8	862.7	881.6	905.8
12.5°	816.5	840.0	866.5	893.7
15°	792.3	821.8	849.8	880.9
17.5°	769.6	797.6	828.6	865.7
20°	742.4	773.4	808.2	847.6
22.5°	713.6	747.7	785.5	827.9
25°	689.4	724.2	760.5	805.2
27.5°	662.9	699.2	734.8	782.5
30°	632.6	672.0	708.3	757.5
32.5°	603.9	643.2	683.3	729.5
35°	575.9	614.5	654.6	701.5
37.5°	549.4	584.2	623.6	665.9
40°	524.4	556.2	591.0	629.6
42.5°	492.6	529.7	562.3	590.3
45°	465.4	495.7	525.9	548.6
47.5°	433.6	463.9	489.6	507.8
50°	407.1	431.3	452.5	468.4
52.5°	375.3	398.1	415.5	427.6
55°	344.3	364.0	379.1	387.5
57.5°	316.3	329.2	340.5	348.1
60°	285.3	295.1	305.0	313.3
62.5°	252.0	262.6	267.9	277.0
65°	222.5	229.3	237.6	240.6
67.5°	193.7	197.5	202.8	208.9
70°	163.5	165.7	171.0	179.4
72.5°	137.0	139.2	143.0	146.1
75°	109.0	111.2	114.3	117.3
77.5°	85.5	86.3	87.8	90.8
80°	62.1	64.3	65.8	66.6
82.5°	43.1	43.9	43.9	44.6
85°	27.2	25.7	25.7	26.5
87.5°	9.8	11.4	11.4	12.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)