

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-67SL-LW-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33520)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

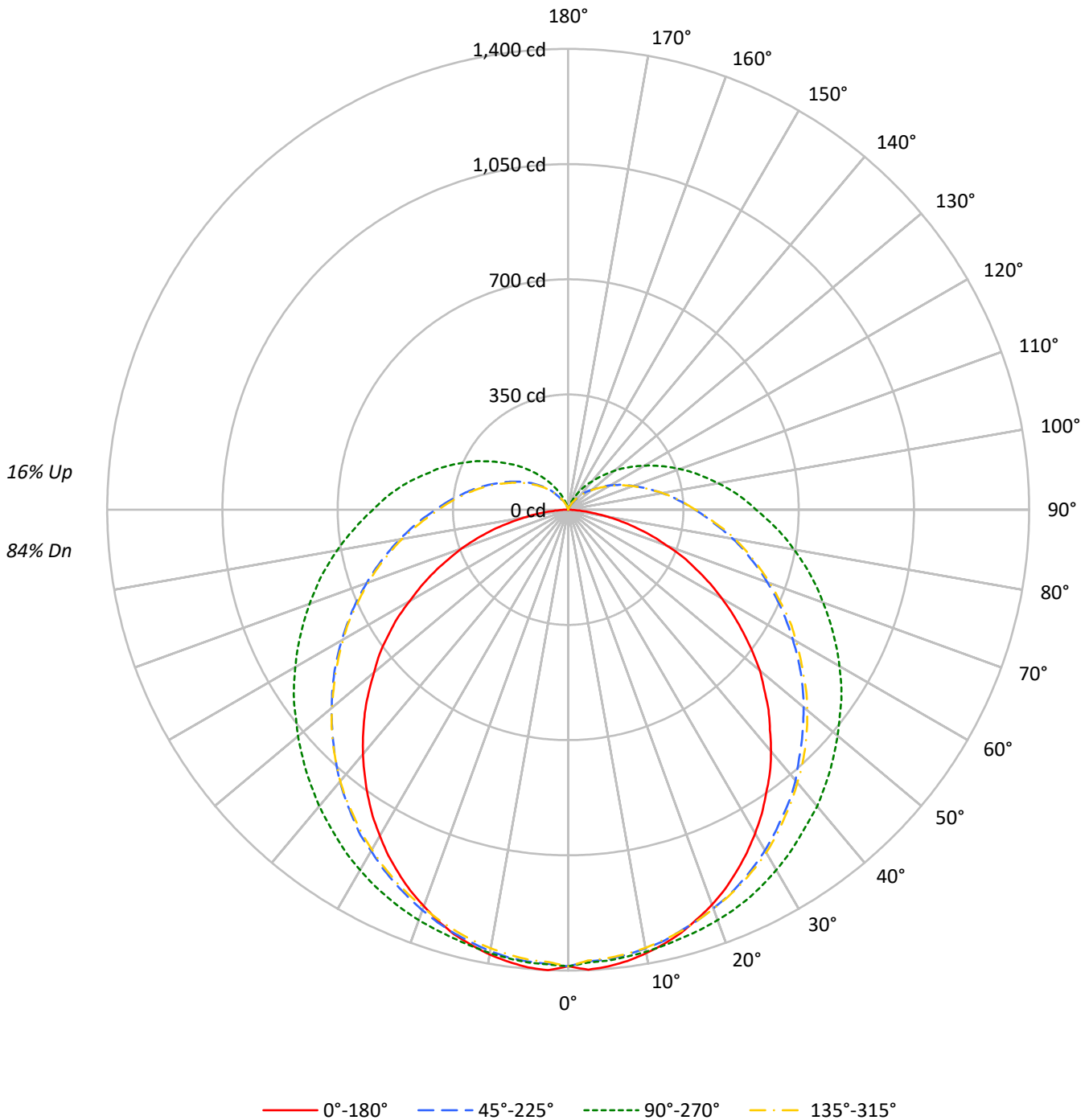
Lumens per Lamp: N/A
Luminaire Lumens: 6026.0 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 55
Input Voltage (V): NR
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: 25 FT



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

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	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84				
1	102	96	91	86	98	92	87	83	85	81	77	78	75	72	72	70	67	64				
2	92	82	74	68	87	79	72	66	73	67	62	67	62	58	62	58	54	51				
3	83	71	62	55	79	69	60	54	63	56	51	58	52	48	54	49	45	42				
4	76	63	53	46	72	60	52	45	56	48	42	51	45	40	47	42	38	35				
5	69	56	46	39	66	54	45	38	50	42	36	46	39	34	42	37	33	30				
6	64	50	41	34	61	48	39	33	45	37	31	41	35	30	38	33	28	26				
7	59	45	36	30	56	43	35	29	40	33	28	38	31	26	35	29	25	23				
8	55	41	32	26	52	40	31	26	37	30	24	34	28	23	32	26	22	20				
9	51	37	29	23	49	36	28	23	34	27	22	32	25	21	30	24	20	18				
10	48	34	26	21	46	33	26	21	31	24	20	29	23	19	27	22	18	16				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5604	5604	5604	5604
5°	5642	5401	5654	5424
10°	5597	5247	5615	5264
15°	5540	5116	5564	5122
20°	5461	5020	5480	5020
25°	5362	4935	5394	4929
30°	5250	4847	5290	4847
35°	5118	4766	5175	4772
40°	4989	4718	5050	4718
45°	4840	4669	4915	4674
50°	4686	4639	4749	4651
55°	4466	4643	4607	4663
60°	4236	4657	4375	4686
65°	3979	4704	4155	4751
70°	3613	4790	3894	4858
75°	3194	4947	3496	5042
80°	2533	5179	2877	5299
85°	1613	5551	2014	5705



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.4	2.2
10°-20°	377.6	6.3
20°-30°	579.0	9.6
30°-40°	714.3	11.9
40°-50°	774.9	12.9
50°-60°	763.8	12.7
60°-70°	690.6	11.5
70°-80°	575.3	9.5
80°-90°	445.6	7.4
90°-100°	337.9	5.6
100°-110°	250.1	4.1
110°-120°	174.0	2.9
120°-130°	111.0	1.8
130°-140°	62.3	1.0
140°-150°	28.4	0.5
150°-160°	8.8	0.1
160°-170°	1.1	0.0
170°-180°	0.0	0.0
0°-30°	1088.0	18.1
0°-40°	1802.3	29.9
0°-60°	3341.0	55.4
0°-90°	5052.4	83.8
90°-120°	762.0	12.6
90°-150°	963.7	16.0
90°-180°	974.0	16.2
0°-180°	6026.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1387	1387	1387	1387	1387	
5°	1393	1375	1396	1381	1393	132
15°	1330	1346	1336	1348	1330	375
25°	1211	1301	1219	1299	1211	558
35°	1049	1220	1061	1222	1049	657
45°	860	1124	874	1125	860	663
55°	648	1012	669	1017	648	580
65°	430	888	449	897	430	426
75°	216	761	237	775	216	229
85°	41	634	51	651	41	50
90°	2	571	3	593	2	2
95°	2	518	2	543	2	1
105°	2	411	2	436	2	2
115°	2	313	2	341	2	1
125°	2	225	2	250	2	1
135°	2	146	2	173	2	1
145°	2	85	2	104	2	1
155°	2	35	2	48	2	1
165°	2	6	2	9	2	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0
2.5°	1398.7	1398.7	1397.3	1394.3	1395.8	1400.2	1397.3	1389.9	1385.5	1373.8	1376.8
5°	1392.9	1392.9	1391.4	1388.5	1389.9	1395.8	1392.9	1387.0	1381.2	1370.9	1375.3
7.5°	1382.6	1382.6	1381.2	1378.2	1381.2	1387.0	1384.1	1378.2	1373.8	1363.6	1368.0
10°	1368.0	1369.5	1368.0	1363.6	1369.5	1375.3	1373.8	1366.5	1362.1	1353.4	1357.7
12.5°	1350.4	1351.9	1350.4	1349.0	1351.9	1360.7	1357.7	1351.9	1349.0	1341.7	1346.0
15°	1329.9	1331.4	1328.5	1328.5	1331.4	1340.2	1340.2	1334.3	1331.4	1324.1	1332.9
17.5°	1303.6	1305.1	1303.6	1303.6	1306.5	1315.3	1316.8	1313.9	1310.9	1308.0	1316.8
20°	1277.3	1275.8	1275.8	1274.4	1280.2	1293.4	1291.9	1291.9	1289.0	1289.0	1299.2
22.5°	1246.6	1246.6	1245.1	1245.1	1252.4	1264.1	1264.1	1267.0	1264.1	1270.0	1278.7
25°	1211.4	1212.9	1211.4	1214.4	1220.2	1233.4	1234.8	1239.2	1240.7	1246.6	1256.8
27.5°	1174.9	1176.3	1174.9	1177.8	1188.0	1198.3	1205.6	1211.4	1212.9	1221.7	1234.8
30°	1135.4	1135.4	1136.8	1139.7	1151.5	1167.5	1173.4	1180.7	1180.7	1195.3	1208.5
32.5°	1094.4	1094.4	1094.4	1100.2	1113.4	1132.4	1139.7	1148.5	1151.5	1166.1	1180.7
35°	1049.0	1050.5	1050.5	1054.9	1072.4	1091.5	1101.7	1111.9	1117.8	1135.4	1150.0
37.5°	1006.6	1009.5	1005.1	1011.0	1035.9	1052.0	1063.7	1073.9	1084.1	1107.6	1119.3
40°	958.3	961.2	959.8	971.5	992.0	1012.5	1025.6	1035.9	1050.5	1073.9	1087.1
42.5°	907.1	910.0	913.0	926.1	948.1	968.6	984.7	997.8	1015.4	1035.9	1057.8
45°	860.3	860.3	864.7	880.8	904.2	926.1	945.2	959.8	980.3	1002.2	1024.2
47.5°	807.6	809.1	814.9	834.0	858.8	885.2	902.7	921.7	943.7	967.1	992.0
50°	759.3	759.3	768.1	788.6	812.0	841.3	860.3	882.2	905.7	933.5	958.3
52.5°	703.7	706.7	719.8	738.9	769.6	795.9	817.9	841.3	869.1	898.3	926.1
55°	648.1	654.0	664.2	690.6	722.8	747.6	774.0	803.2	829.6	861.8	893.9
57.5°	594.0	598.4	614.5	640.8	674.5	705.2	733.0	760.8	793.0	825.2	858.8
60°	538.4	544.3	563.3	589.6	626.2	658.4	690.6	719.8	753.5	787.1	822.3
62.5°	485.7	490.1	512.1	542.8	579.4	614.5	646.7	681.8	718.4	750.6	785.7
65°	430.1	437.5	462.3	490.1	532.6	567.7	604.3	642.3	680.3	715.5	749.1
67.5°	378.9	383.3	409.7	441.9	484.3	523.8	561.8	602.8	642.3	678.9	712.5
70°	319.0	333.6	359.9	393.6	438.9	479.9	520.9	563.3	605.7	643.8	675.9
72.5°	269.2	280.9	310.2	346.8	390.6	438.9	481.4	526.7	569.1	608.6	642.3
75°	216.5	228.2	261.9	302.9	348.2	399.4	443.3	490.1	534.0	573.5	608.6
77.5°	165.3	180.0	216.5	259.0	308.7	361.4	406.7	453.6	498.9	541.3	576.5
80°	118.5	134.6	174.1	222.4	270.7	323.3	373.1	419.9	465.3	507.7	544.3
82.5°	76.1	93.6	136.1	184.3	235.6	288.2	339.4	386.3	431.6	474.0	512.1
85°	41.0	60.0	103.9	152.2	203.4	256.0	307.2	357.0	400.9	440.4	481.4
87.5°	11.7	35.1	77.5	125.8	178.5	226.8	276.5	326.3	370.2	412.6	449.2
90°	1.5	20.5	58.5	103.9	155.1	201.9	251.7	298.5	342.4	384.8	421.4
92.5°	1.5	13.2	45.4	86.3	133.1	181.4	231.2	276.5	317.5	359.9	396.5
95°	1.5	10.2	36.6	73.2	117.0	162.4	209.2	253.1	295.5	335.0	371.6
97.5°	1.5	7.3	29.3	62.9	102.4	144.8	190.2	234.1	275.1	313.1	346.8
100°	1.5	5.9	23.4	54.1	89.2	130.2	171.2	213.6	253.1	289.7	324.8
102.5°	1.5	4.4	20.5	45.4	79.0	115.6	155.1	194.6	232.6	267.7	302.9
105°	1.5	4.4	17.6	39.5	70.2	103.9	140.5	178.5	213.6	247.3	279.5
107.5°	1.5	2.9	14.6	33.7	61.4	93.6	127.3	163.9	196.1	228.2	259.0
110°	1.5	2.9	11.7	30.7	54.1	83.4	115.6	149.2	180.0	210.7	239.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.5	2.9	10.2	26.3	46.8	74.6	103.9	134.6	163.9	194.6	220.9
115°	1.5	2.9	8.8	23.4	43.9	64.4	93.6	121.4	150.7	178.5	203.4
117.5°	1.5	2.9	7.3	19.0	38.0	58.5	81.9	109.7	136.1	162.4	185.8
120°	1.5	2.9	5.9	17.6	33.7	52.7	73.2	98.0	122.9	147.8	172.6
122.5°	1.5	1.5	5.9	14.6	29.3	46.8	67.3	86.3	109.7	133.1	155.1
125°	1.5	1.5	5.9	13.2	24.9	42.4	60.0	77.5	98.0	118.5	137.5
127.5°	1.5	1.5	4.4	10.2	21.9	36.6	52.7	71.7	86.3	105.3	124.4
130°	1.5	1.5	4.4	8.8	19.0	30.7	46.8	62.9	80.5	93.6	109.7
132.5°	1.5	1.5	4.4	7.3	14.6	24.9	39.5	54.1	70.2	84.9	98.0
135°	1.5	1.5	2.9	5.9	11.7	20.5	32.2	45.4	61.4	76.1	89.2
137.5°	1.5	1.5	2.9	5.9	8.8	17.6	24.9	36.6	51.2	64.4	77.5
140°	1.5	1.5	2.9	4.4	7.3	13.2	20.5	29.3	41.0	52.7	67.3
142.5°	1.5	1.5	1.5	4.4	5.9	10.2	16.1	23.4	32.2	42.4	54.1
145°	1.5	1.5	1.5	4.4	5.9	7.3	13.2	19.0	24.9	32.2	42.4
147.5°	1.5	1.5	1.5	2.9	4.4	5.9	10.2	14.6	19.0	24.9	30.7
150°	1.5	1.5	1.5	2.9	4.4	5.9	7.3	10.2	14.6	20.5	24.9
152.5°	1.5	1.5	1.5	2.9	2.9	4.4	5.9	7.3	10.2	14.6	17.6
155°	1.5	1.5	1.5	1.5	2.9	4.4	5.9	5.9	7.3	10.2	13.2
157.5°	1.5	1.5	1.5	1.5	2.9	2.9	4.4	4.4	5.9	5.9	8.8
160°	1.5	1.5	1.5	1.5	1.5	2.9	2.9	4.4	4.4	4.4	4.4
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	2.9	4.4	4.4
165°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0
2.5°	1376.8	1378.2	1382.6	1382.6	1379.7	1379.7	1378.2	1376.8	1378.2	1381.2	1381.2
5°	1373.8	1375.3	1379.7	1381.2	1378.2	1376.8	1376.8	1375.3	1376.8	1379.7	1379.7
7.5°	1368.0	1369.5	1373.8	1375.3	1372.4	1372.4	1370.9	1369.5	1372.4	1373.8	1373.8
10°	1359.2	1360.7	1366.5	1368.0	1366.5	1365.1	1365.1	1363.6	1365.1	1368.0	1368.0
12.5°	1347.5	1350.4	1357.7	1357.7	1357.7	1356.3	1356.3	1354.8	1356.3	1359.2	1357.7
15°	1334.3	1340.2	1346.0	1349.0	1349.0	1349.0	1347.5	1346.0	1349.0	1350.4	1349.0
17.5°	1319.7	1327.0	1335.8	1338.7	1338.7	1340.2	1338.7	1337.3	1340.2	1340.2	1338.7
20°	1305.1	1312.4	1321.2	1324.1	1327.0	1328.5	1328.5	1327.0	1328.5	1329.9	1328.5
22.5°	1286.1	1294.8	1305.1	1309.5	1312.4	1315.3	1315.3	1315.3	1316.8	1318.2	1315.3
25°	1265.6	1275.8	1287.5	1291.9	1297.8	1299.2	1300.7	1300.7	1302.1	1303.6	1299.2
27.5°	1243.6	1255.3	1267.0	1274.4	1278.7	1281.7	1281.7	1283.1	1284.6	1286.1	1281.7
30°	1217.3	1234.8	1245.1	1250.9	1256.8	1261.2	1262.6	1264.1	1265.6	1267.0	1262.6
32.5°	1193.9	1208.5	1221.7	1229.0	1236.3	1242.2	1243.6	1243.6	1246.6	1246.6	1242.2
35°	1166.1	1183.6	1196.8	1204.1	1212.9	1217.3	1220.2	1220.2	1223.1	1223.1	1218.8
37.5°	1138.3	1155.8	1170.5	1179.2	1189.5	1195.3	1196.8	1196.8	1199.7	1199.7	1193.9
40°	1109.0	1128.0	1144.1	1154.4	1163.2	1170.5	1171.9	1176.3	1176.3	1174.9	1169.0
42.5°	1079.8	1097.3	1114.9	1126.6	1138.3	1145.6	1148.5	1150.0	1150.0	1148.5	1144.1
45°	1047.6	1068.1	1084.1	1098.8	1110.5	1117.8	1122.2	1123.7	1123.7	1120.7	1116.3
47.5°	1016.8	1037.3	1053.4	1069.5	1081.2	1090.0	1094.4	1095.9	1094.4	1092.9	1088.5
50°	984.7	1008.1	1024.2	1040.3	1052.0	1059.3	1066.6	1068.1	1066.6	1065.1	1056.4
52.5°	951.0	975.9	993.4	1009.5	1022.7	1031.5	1037.3	1038.8	1038.8	1035.9	1030.0
55°	917.4	939.3	961.2	978.8	993.4	1002.2	1009.5	1012.5	1009.5	1006.6	999.3
57.5°	886.6	907.1	929.1	948.1	962.7	974.4	980.3	983.2	980.3	975.9	968.6
60°	850.1	872.0	896.9	914.4	930.5	942.2	945.2	951.0	948.1	943.7	936.4
62.5°	814.9	841.3	863.2	885.2	898.3	911.5	917.4	920.3	917.4	913.0	905.7
65°	778.4	807.6	829.6	851.5	866.1	879.3	886.6	888.1	885.2	880.8	873.5
67.5°	744.7	772.5	795.9	819.3	832.5	845.7	853.0	855.9	853.0	847.1	839.8
70°	711.1	738.9	766.7	784.2	800.3	814.9	819.3	823.7	820.8	814.9	806.2
72.5°	677.4	706.7	734.5	752.0	769.6	782.8	788.6	793.0	790.1	784.2	774.0
75°	642.3	673.0	700.8	719.8	737.4	750.6	756.4	760.8	757.9	752.0	740.3
77.5°	610.1	640.8	667.2	687.7	705.2	716.9	727.2	728.6	725.7	719.8	708.1
80°	576.5	607.2	635.0	655.5	673.0	684.7	692.0	696.4	693.5	687.7	675.9
82.5°	547.2	575.0	602.8	623.3	640.8	655.5	661.3	665.7	664.2	655.5	646.7
85°	515.0	547.2	569.1	591.1	608.6	623.3	627.7	633.5	632.1	624.7	613.0
87.5°	482.8	515.0	541.3	563.3	579.4	591.1	598.4	601.3	599.9	592.6	579.4
90°	456.5	485.7	512.1	535.5	548.7	561.8	569.1	570.6	570.6	561.8	551.6
92.5°	431.6	459.4	485.7	507.7	523.8	535.5	541.3	544.3	542.8	535.5	523.8
95°	403.8	434.5	459.4	481.4	497.5	509.2	515.0	517.9	516.5	509.2	497.5
97.5°	380.4	408.2	433.1	453.6	469.7	481.4	487.2	490.1	490.1	482.8	471.1
100°	357.0	384.8	408.2	428.7	443.3	455.0	460.9	462.3	460.9	455.0	443.3
102.5°	333.6	359.9	383.3	402.3	418.4	428.7	434.5	436.0	436.0	428.7	417.0
105°	310.2	336.5	358.5	378.9	392.1	402.3	406.7	411.1	409.7	403.8	392.1
107.5°	288.2	314.6	335.0	354.1	367.2	377.5	381.9	386.3	384.8	378.9	367.2
110°	267.7	292.6	311.6	330.7	342.4	352.6	359.9	361.4	358.5	352.6	342.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	248.7	270.7	289.7	307.2	320.4	327.7	333.6	336.5	333.6	327.7	320.4
115°	228.2	250.2	269.2	285.3	297.0	305.8	310.2	313.1	310.2	304.3	297.0
117.5°	209.2	229.7	248.7	264.8	275.1	282.4	286.8	289.7	286.8	282.4	275.1
120°	193.1	210.7	228.2	242.9	254.6	260.4	264.8	267.7	266.3	260.4	253.1
122.5°	174.1	193.1	209.2	223.9	234.1	239.9	242.9	245.8	244.3	239.9	232.6
125°	158.0	174.1	190.2	203.4	213.6	219.5	222.4	225.3	223.9	219.5	210.7
127.5°	140.5	158.0	171.2	184.3	191.7	200.4	201.9	204.8	203.4	199.0	191.7
130°	127.3	140.5	153.6	165.3	174.1	180.0	182.9	184.3	181.4	178.5	171.2
132.5°	111.2	125.8	137.5	147.8	153.6	159.5	162.4	163.9	163.9	159.5	153.6
135°	99.5	109.7	120.0	130.2	136.1	141.9	144.8	146.3	144.8	141.9	136.1
137.5°	89.2	98.0	105.3	114.1	121.4	124.4	127.3	127.3	125.8	124.4	120.0
140°	77.5	87.8	95.1	101.0	106.8	108.3	111.2	111.2	109.7	108.3	105.3
142.5°	65.8	74.6	81.9	89.2	93.6	96.6	98.0	99.5	98.0	96.6	92.2
145°	52.7	62.9	70.2	74.6	80.5	81.9	83.4	84.9	83.4	81.9	77.5
147.5°	41.0	49.7	57.1	62.9	67.3	68.8	70.2	71.7	70.2	67.3	65.8
150°	29.3	36.6	45.4	51.2	54.1	57.1	57.1	57.1	58.5	55.6	52.7
152.5°	23.4	26.3	32.2	38.0	42.4	43.9	45.4	45.4	43.9	43.9	41.0
155°	16.1	19.0	23.4	27.8	32.2	33.7	35.1	35.1	33.7	33.7	32.2
157.5°	10.2	13.2	16.1	19.0	23.4	24.9	26.3	26.3	26.3	24.9	23.4
160°	5.9	7.3	8.8	11.7	14.6	16.1	17.6	17.6	17.6	17.6	16.1
162.5°	4.4	4.4	4.4	5.9	7.3	8.8	10.2	10.2	10.2	10.2	8.8
165°	2.9	2.9	2.9	2.9	2.9	4.4	5.9	5.9	5.9	5.9	5.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0
2.5°	1379.7	1379.7	1381.2	1378.2	1369.5	1370.9	1370.9	1376.8	1379.7	1381.2	1388.5
5°	1376.8	1376.8	1379.7	1375.3	1368.0	1368.0	1368.0	1373.8	1375.3	1378.2	1384.1
7.5°	1372.4	1372.4	1373.8	1369.5	1360.7	1360.7	1359.2	1365.1	1368.0	1369.5	1375.3
10°	1365.1	1365.1	1366.5	1362.1	1351.9	1351.9	1350.4	1354.8	1356.3	1359.2	1363.6
12.5°	1354.8	1354.8	1354.8	1350.4	1340.2	1338.7	1337.3	1341.7	1341.7	1343.1	1347.5
15°	1346.0	1343.1	1343.1	1338.7	1328.5	1325.6	1322.6	1324.1	1327.0	1325.6	1328.5
17.5°	1335.8	1332.9	1329.9	1325.6	1312.4	1308.0	1305.1	1306.5	1305.1	1303.6	1306.5
20°	1324.1	1319.7	1318.2	1310.9	1297.8	1290.4	1284.6	1281.7	1283.1	1278.7	1280.2
22.5°	1310.9	1305.1	1302.1	1293.4	1280.2	1271.4	1264.1	1258.3	1256.8	1250.9	1252.4
25°	1294.8	1287.5	1283.1	1275.8	1261.2	1250.9	1242.2	1233.4	1229.0	1221.7	1220.2
27.5°	1275.8	1268.5	1262.6	1255.3	1240.7	1227.5	1217.3	1205.6	1199.7	1191.0	1186.6
30°	1256.8	1248.0	1239.2	1233.4	1217.3	1202.7	1186.6	1176.3	1167.5	1157.3	1150.0
32.5°	1233.4	1224.6	1215.8	1207.0	1192.4	1174.9	1161.7	1145.6	1135.4	1123.7	1114.9
35°	1210.0	1198.3	1189.5	1177.8	1164.6	1144.1	1128.0	1111.9	1098.8	1085.6	1075.4
37.5°	1183.6	1174.9	1161.7	1151.5	1135.4	1114.9	1097.3	1076.8	1065.1	1047.6	1034.4
40°	1158.8	1148.5	1135.4	1122.2	1106.1	1082.7	1063.7	1040.3	1027.1	1006.6	993.4
42.5°	1133.9	1119.3	1106.1	1091.5	1073.9	1052.0	1028.6	1005.1	987.6	968.6	949.5
45°	1106.1	1090.0	1073.9	1057.8	1040.3	1018.3	993.4	968.6	946.6	929.1	905.7
47.5°	1076.8	1060.7	1041.7	1024.2	1005.1	983.2	956.9	930.5	907.1	886.6	861.8
50°	1047.6	1031.5	1011.0	992.0	970.0	948.1	920.3	889.6	864.7	838.4	816.4
52.5°	1016.8	1000.8	981.7	956.9	933.5	911.5	882.2	850.1	822.3	800.3	772.5
55°	986.1	970.0	948.1	923.2	899.8	872.0	844.2	812.0	781.3	755.0	727.2
57.5°	953.9	939.3	914.4	893.9	864.7	835.4	806.2	775.4	741.8	711.1	678.9
60°	921.7	905.7	882.2	857.4	828.1	798.8	768.1	734.5	699.4	665.7	636.4
62.5°	892.5	872.0	850.1	823.7	793.0	765.2	730.1	693.5	658.4	623.3	588.2
65°	858.8	836.9	816.4	790.1	757.9	725.7	690.6	654.0	616.0	577.9	542.8
67.5°	825.2	803.2	781.3	755.0	721.3	687.7	651.1	614.5	572.1	535.5	494.5
70°	791.5	774.0	746.2	718.4	687.7	651.1	614.5	575.0	531.1	491.6	449.2
72.5°	757.9	740.3	712.5	683.3	654.0	616.0	576.5	537.0	496.0	450.6	405.3
75°	725.7	703.7	678.9	651.1	620.3	580.8	541.3	500.4	452.1	409.7	362.8
77.5°	695.0	674.5	649.6	618.9	585.2	547.2	506.2	463.8	415.5	370.2	319.0
80°	661.3	640.8	616.0	585.2	551.6	515.0	471.1	427.2	380.4	330.7	278.0
82.5°	629.1	610.1	582.3	554.5	517.9	481.4	437.5	393.6	343.8	295.5	244.3
85°	595.5	576.5	550.1	520.9	485.7	446.2	405.3	361.4	311.6	261.9	210.7
87.5°	566.2	544.3	517.9	488.7	453.6	415.5	376.0	329.2	280.9	232.6	180.0
90°	535.5	515.0	488.7	459.4	424.3	386.3	345.3	301.4	254.6	204.8	155.1
92.5°	509.2	487.2	462.3	433.1	398.0	361.4	320.4	276.5	231.2	182.9	134.6
95°	482.8	460.9	437.5	408.2	373.1	336.5	295.5	253.1	209.2	162.4	117.0
97.5°	453.6	434.5	411.1	383.3	348.2	313.1	273.6	232.6	190.2	144.8	102.4
100°	430.1	408.2	386.3	357.0	324.8	291.2	251.7	212.1	171.2	128.8	89.2
102.5°	403.8	383.3	361.4	333.6	301.4	267.7	231.2	193.1	155.1	115.6	77.5
105°	378.9	359.9	336.5	310.2	279.5	247.3	212.1	177.0	140.5	102.4	68.8
107.5°	354.1	335.0	313.1	288.2	259.0	226.8	194.6	159.5	125.8	92.2	61.4
110°	329.2	311.6	291.2	266.3	238.5	209.2	178.5	146.3	112.7	81.9	54.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	307.2	289.7	269.2	245.8	219.5	191.7	162.4	131.7	101.0	73.2	46.8
115°	285.3	269.2	248.7	228.2	201.9	175.6	147.8	118.5	90.7	65.8	41.0
117.5°	263.4	247.3	228.2	207.8	184.3	159.5	133.1	105.3	81.9	58.5	36.6
120°	241.4	226.8	209.2	190.2	169.7	144.8	118.5	95.1	73.2	51.2	32.2
122.5°	220.9	207.8	191.7	174.1	152.2	128.8	106.8	86.3	65.8	45.4	26.3
125°	201.9	188.7	174.1	156.6	136.1	115.6	96.6	77.5	57.1	39.5	21.9
127.5°	182.9	169.7	155.1	139.0	122.9	103.9	86.3	68.8	51.2	35.1	19.0
130°	163.9	152.2	139.0	125.8	109.7	92.2	77.5	60.0	43.9	27.8	16.1
132.5°	144.8	136.1	124.4	111.2	96.6	83.4	67.3	52.7	38.0	24.9	14.6
135°	128.8	120.0	109.7	98.0	86.3	73.2	58.5	45.4	32.2	20.5	11.7
137.5°	114.1	106.8	96.6	86.3	76.1	62.9	51.2	38.0	26.3	17.6	8.8
140°	101.0	93.6	84.9	74.6	65.8	54.1	42.4	30.7	23.4	14.6	7.3
142.5°	87.8	80.5	73.2	64.4	55.6	45.4	35.1	26.3	19.0	11.7	7.3
145°	74.6	68.8	61.4	54.1	45.4	36.6	29.3	21.9	14.6	8.8	5.9
147.5°	61.4	57.1	49.7	43.9	36.6	29.3	23.4	17.6	11.7	7.3	4.4
150°	49.7	45.4	39.5	33.7	29.3	23.4	19.0	13.2	8.8	7.3	4.4
152.5°	38.0	35.1	30.7	27.8	23.4	17.6	13.2	10.2	7.3	5.9	2.9
155°	30.7	27.8	24.9	20.5	17.6	13.2	10.2	7.3	5.9	4.4	2.9
157.5°	21.9	20.5	17.6	14.6	11.7	8.8	7.3	7.3	4.4	2.9	1.5
160°	14.6	13.2	11.7	8.8	7.3	7.3	5.9	4.4	2.9	2.9	1.5
162.5°	8.8	7.3	7.3	7.3	5.9	5.9	4.4	2.9	2.9	1.5	1.5
165°	5.9	5.9	5.9	4.4	4.4	4.4	2.9	1.5	1.5	1.5	1.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0
2.5°	1388.5	1384.1	1389.9	1400.2	1401.6	1400.2	1397.3	1401.6	1407.5	1406.0	1395.8
5°	1385.5	1379.7	1385.5	1395.8	1395.8	1394.3	1392.9	1397.3	1403.1	1401.6	1392.9
7.5°	1376.8	1370.9	1376.8	1385.5	1387.0	1384.1	1384.1	1388.5	1394.3	1392.9	1385.5
10°	1365.1	1359.2	1362.1	1372.4	1375.3	1372.4	1372.4	1376.8	1384.1	1382.6	1373.8
12.5°	1347.5	1343.1	1346.0	1354.8	1357.7	1356.3	1354.8	1360.7	1368.0	1368.0	1359.2
15°	1328.5	1322.6	1325.6	1335.8	1337.3	1334.3	1335.8	1340.2	1349.0	1349.0	1341.7
17.5°	1306.5	1299.2	1303.6	1310.9	1312.4	1312.4	1312.4	1318.2	1328.5	1327.0	1321.2
20°	1281.7	1271.4	1274.4	1281.7	1284.6	1284.6	1284.6	1294.8	1302.1	1302.1	1296.3
22.5°	1252.4	1245.1	1245.1	1252.4	1256.8	1255.3	1255.3	1264.1	1274.4	1272.9	1272.9
25°	1218.8	1212.9	1210.0	1218.8	1220.2	1221.7	1224.6	1233.4	1245.1	1245.1	1246.6
27.5°	1183.6	1177.8	1176.3	1183.6	1185.1	1186.6	1189.5	1199.7	1211.4	1212.9	1215.8
30°	1150.0	1141.2	1138.3	1144.1	1147.1	1148.5	1148.5	1164.6	1174.9	1179.2	1185.1
32.5°	1110.5	1101.7	1094.4	1104.6	1106.1	1109.0	1110.5	1126.6	1138.3	1145.6	1154.4
35°	1071.0	1056.4	1053.4	1060.7	1063.7	1065.1	1068.1	1085.6	1101.7	1107.6	1119.3
37.5°	1027.1	1016.8	1008.1	1015.4	1018.3	1019.8	1028.6	1044.6	1060.7	1069.5	1081.2
40°	986.1	973.0	965.6	970.0	973.0	974.4	984.7	1002.2	1021.2	1031.5	1046.1
42.5°	940.8	923.2	917.4	921.7	923.2	927.6	936.4	959.8	978.8	993.4	1005.1
45°	895.4	882.2	869.1	873.5	874.9	877.9	891.0	915.9	936.4	953.9	967.1
47.5°	848.6	832.5	819.3	822.3	828.1	829.6	844.2	873.5	892.5	911.5	929.1
50°	801.8	779.8	769.6	769.6	772.5	779.8	798.8	828.1	848.6	870.5	889.6
52.5°	753.5	733.0	721.3	722.8	725.7	734.5	752.0	781.3	804.7	828.1	851.5
55°	705.2	683.3	671.6	668.6	671.6	683.3	703.7	734.5	757.9	785.7	810.6
57.5°	656.9	630.6	620.3	616.0	618.9	633.5	654.0	686.2	715.5	741.8	771.0
60°	604.3	583.8	566.2	556.0	563.3	582.3	604.3	637.9	668.6	697.9	730.1
62.5°	558.9	532.6	513.5	503.3	510.6	526.7	557.4	589.6	623.3	656.9	689.1
65°	507.7	481.4	459.4	449.2	456.5	475.5	506.2	541.3	577.9	611.6	649.6
67.5°	457.9	430.1	403.8	393.6	402.3	422.8	456.5	496.0	535.5	570.6	611.6
70°	409.7	378.9	351.1	343.8	349.7	377.5	409.7	449.2	490.1	531.1	573.5
72.5°	365.8	327.7	298.5	289.7	297.0	327.7	364.3	405.3	449.2	493.1	538.4
75°	314.6	279.5	247.3	237.0	245.8	273.6	319.0	362.8	409.7	456.5	498.9
77.5°	273.6	232.6	199.0	182.9	197.5	232.6	276.5	323.3	371.6	419.9	468.2
80°	231.2	188.7	152.2	134.6	150.7	188.7	232.6	283.8	338.0	386.3	430.1
82.5°	193.1	147.8	109.7	90.7	108.3	150.7	199.0	250.2	302.9	351.1	402.3
85°	158.0	111.2	71.7	51.2	76.1	114.1	165.3	218.0	272.1	321.9	371.6
87.5°	128.8	83.4	43.9	21.9	46.8	89.2	137.5	190.2	244.3	294.1	340.9
90°	105.3	60.0	23.4	2.9	27.8	67.3	114.1	165.3	216.5	267.7	314.6
92.5°	86.3	45.4	13.2	1.5	17.6	54.1	98.0	146.3	196.1	245.8	291.2
95°	71.7	35.1	8.8	1.5	13.2	42.4	83.4	130.2	177.0	225.3	270.7
97.5°	61.4	29.3	7.3	1.5	10.2	36.6	71.7	115.6	160.9	206.3	250.2
100°	52.7	23.4	5.9	1.5	8.8	30.7	62.9	102.4	144.8	188.7	231.2
102.5°	45.4	19.0	4.4	1.5	7.3	26.3	55.6	92.2	130.2	172.6	213.6
105°	39.5	16.1	4.4	1.5	5.9	23.4	49.7	81.9	120.0	158.0	197.5
107.5°	33.7	13.2	2.9	1.5	4.4	19.0	43.9	74.6	108.3	144.8	181.4
110°	29.3	11.7	2.9	1.5	4.4	17.6	38.0	67.3	98.0	131.7	166.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	24.9	8.8	2.9	1.5	2.9	14.6	33.7	60.0	89.2	120.0	153.6
115°	21.9	7.3	1.5	1.5	2.9	13.2	30.7	54.1	80.5	109.7	140.5
117.5°	17.6	5.9	1.5	1.5	1.5	10.2	26.3	48.3	73.2	101.0	128.8
120°	14.6	5.9	1.5	1.5	1.5	8.8	23.4	42.4	65.8	90.7	117.0
122.5°	13.2	4.4	1.5	1.5	1.5	7.3	20.5	38.0	58.5	81.9	106.8
125°	11.7	4.4	1.5	1.5	1.5	5.9	17.6	33.7	52.7	73.2	96.6
127.5°	8.8	4.4	1.5	1.5	1.5	4.4	16.1	29.3	46.8	65.8	86.3
130°	7.3	2.9	1.5	1.5	1.5	4.4	13.2	26.3	41.0	58.5	77.5
132.5°	5.9	2.9	1.5	1.5	1.5	2.9	10.2	20.5	35.1	51.2	68.8
135°	5.9	2.9	1.5	1.5	1.5	2.9	7.3	17.6	29.3	43.9	58.5
137.5°	5.9	1.5	1.5	1.5	1.5	2.9	5.9	13.2	23.4	35.1	48.3
140°	4.4	1.5	1.5	1.5	1.5	1.5	4.4	10.2	19.0	29.3	41.0
142.5°	4.4	1.5	1.5	1.5	1.5	1.5	4.4	7.3	14.6	23.4	32.2
145°	2.9	1.5	1.5	1.5	1.5	1.5	2.9	5.9	11.7	17.6	26.3
147.5°	2.9	1.5	1.5	1.5	1.5	1.5	2.9	4.4	8.8	14.6	20.5
150°	2.9	1.5	1.5	1.5	1.5	1.5	2.9	4.4	5.9	10.2	16.1
152.5°	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	4.4	7.3	10.2
155°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	4.4	5.9	7.3
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	4.4	5.9
160°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	4.4
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9
165°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0
2.5°	1391.4	1381.2	1384.1	1382.6	1385.5	1389.9	1389.9	1388.5	1388.5	1385.5	1382.6
5°	1388.5	1378.2	1382.6	1381.2	1384.1	1388.5	1388.5	1387.0	1387.0	1382.6	1381.2
7.5°	1379.7	1372.4	1375.3	1375.3	1378.2	1382.6	1382.6	1381.2	1381.2	1376.8	1375.3
10°	1370.9	1362.1	1366.5	1366.5	1369.5	1375.3	1375.3	1373.8	1373.8	1369.5	1368.0
12.5°	1356.3	1347.5	1354.8	1356.3	1359.2	1365.1	1363.6	1363.6	1363.6	1359.2	1357.7
15°	1338.7	1332.9	1340.2	1341.7	1346.0	1353.4	1353.4	1353.4	1353.4	1349.0	1347.5
17.5°	1319.7	1315.3	1322.6	1325.6	1331.4	1338.7	1338.7	1340.2	1341.7	1338.7	1337.3
20°	1297.8	1294.8	1302.1	1308.0	1316.8	1324.1	1327.0	1328.5	1331.4	1328.5	1327.0
22.5°	1272.9	1272.9	1283.1	1289.0	1299.2	1306.5	1310.9	1315.3	1318.2	1315.3	1313.9
25°	1245.1	1249.5	1259.7	1270.0	1281.7	1289.0	1293.4	1299.2	1302.1	1300.7	1299.2
27.5°	1218.8	1224.6	1237.8	1248.0	1258.3	1270.0	1274.4	1281.7	1284.6	1284.6	1283.1
30°	1188.0	1196.8	1211.4	1223.1	1236.3	1248.0	1253.9	1261.2	1265.6	1262.6	1264.1
32.5°	1158.8	1173.4	1185.1	1198.3	1212.9	1224.6	1231.9	1240.7	1245.1	1243.6	1245.1
35°	1126.6	1141.2	1157.3	1170.5	1188.0	1199.7	1210.0	1217.3	1223.1	1221.7	1221.7
37.5°	1091.5	1110.5	1126.6	1144.1	1160.2	1173.4	1183.6	1192.4	1198.3	1198.3	1198.3
40°	1057.8	1078.3	1094.4	1114.9	1135.4	1147.1	1158.8	1167.5	1173.4	1174.9	1176.3
42.5°	1021.2	1043.2	1062.2	1084.1	1104.6	1119.3	1132.4	1142.7	1148.5	1151.5	1150.0
45°	987.6	1008.1	1030.0	1054.9	1073.9	1088.5	1104.6	1116.3	1122.2	1123.7	1125.1
47.5°	949.5	973.0	997.8	1022.7	1041.7	1060.7	1075.4	1087.1	1092.9	1097.3	1097.3
50°	913.0	937.8	965.6	992.0	1012.5	1031.5	1046.1	1059.3	1066.6	1069.5	1071.0
52.5°	879.3	902.7	932.0	958.3	978.8	997.8	1016.8	1031.5	1038.8	1041.7	1041.7
55°	838.4	867.6	899.8	924.7	946.6	968.6	987.6	1002.2	1009.5	1013.9	1016.8
57.5°	800.3	831.0	864.7	891.0	917.4	937.8	955.4	974.4	980.3	986.1	987.6
60°	763.7	794.5	826.6	855.9	882.2	904.2	924.7	940.8	951.0	953.9	956.9
62.5°	725.7	757.9	791.5	820.8	848.6	874.9	893.9	908.6	920.3	924.7	927.6
65°	689.1	722.8	756.4	787.1	816.4	842.7	861.8	876.4	888.1	895.4	896.9
67.5°	649.6	686.2	721.3	753.5	782.8	810.6	829.6	844.2	855.9	864.7	866.1
70°	613.0	651.1	686.2	721.3	750.6	778.4	798.8	813.5	826.6	832.5	835.4
72.5°	577.9	617.4	654.0	689.1	718.4	746.2	768.1	782.8	795.9	803.2	804.7
75°	544.3	583.8	623.3	656.9	687.7	715.5	737.4	753.5	765.2	772.5	775.4
77.5°	510.6	551.6	591.1	624.7	656.9	684.7	703.7	722.8	734.5	743.2	743.2
80°	477.0	519.4	560.4	594.0	626.2	651.1	673.0	692.0	703.7	712.5	712.5
82.5°	447.7	488.7	528.2	561.8	594.0	621.8	643.8	661.3	674.5	680.3	681.8
85°	414.1	459.4	496.0	532.6	563.3	589.6	611.6	630.6	642.3	648.1	651.1
87.5°	386.3	430.1	469.7	501.8	532.6	558.9	583.8	599.9	611.6	618.9	621.8
90°	359.9	402.3	441.9	474.0	506.2	531.1	554.5	570.6	583.8	589.6	592.6
92.5°	336.5	378.9	417.0	449.2	479.9	507.7	529.6	545.7	557.4	563.3	567.7
95°	314.6	355.5	392.1	427.2	456.5	481.4	504.8	520.9	534.0	538.4	542.8
97.5°	292.6	332.1	368.7	402.3	433.1	456.5	478.4	494.5	504.8	512.1	516.5
100°	273.6	311.6	346.8	378.9	408.2	430.1	453.6	468.2	478.4	484.3	490.1
102.5°	253.1	291.2	324.8	355.5	386.3	406.7	428.7	443.3	452.1	462.3	462.3
105°	235.6	270.7	304.3	333.6	359.9	384.8	403.8	418.4	428.7	436.0	436.0
107.5°	216.5	251.7	283.8	314.6	339.4	362.8	380.4	393.6	405.3	409.7	414.1
110°	201.9	232.6	264.8	294.1	317.5	339.4	357.0	371.6	381.9	386.3	389.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	184.3	216.5	245.8	273.6	297.0	317.5	335.0	346.8	357.0	362.8	364.3
115°	169.7	200.4	226.8	253.1	278.0	295.5	311.6	323.3	333.6	338.0	340.9
117.5°	156.6	184.3	210.7	232.6	256.0	275.1	291.2	301.4	310.2	316.0	319.0
120°	143.4	169.7	193.1	215.1	237.0	254.6	269.2	279.5	289.7	294.1	294.1
122.5°	130.2	155.1	177.0	197.5	218.0	234.1	250.2	259.0	267.7	272.1	272.1
125°	118.5	141.9	162.4	181.4	200.4	215.1	228.2	238.5	247.3	250.2	250.2
127.5°	106.8	128.8	147.8	165.3	181.4	196.1	209.2	219.5	226.8	229.7	229.7
130°	96.6	115.6	133.1	150.7	166.8	178.5	191.7	200.4	204.8	209.2	210.7
132.5°	86.3	103.9	120.0	134.6	150.7	162.4	172.6	181.4	185.8	190.2	191.7
135°	76.1	92.2	106.8	121.4	134.6	146.3	155.1	162.4	168.3	171.2	172.6
137.5°	64.4	81.9	95.1	106.8	121.4	130.2	140.5	144.8	150.7	153.6	153.6
140°	54.1	67.3	81.9	93.6	105.3	114.1	122.9	130.2	134.6	136.1	136.1
142.5°	43.9	55.6	67.3	81.9	92.2	99.5	108.3	114.1	117.0	118.5	120.0
145°	35.1	43.9	54.1	67.3	79.0	87.8	92.2	98.0	101.0	102.4	103.9
147.5°	26.3	35.1	43.9	52.7	64.4	73.2	77.5	83.4	86.3	87.8	87.8
150°	20.5	26.3	32.2	41.0	49.7	60.0	65.8	70.2	71.7	73.2	73.2
152.5°	14.6	20.5	24.9	30.7	36.6	45.4	54.1	57.1	58.5	60.0	60.0
155°	10.2	14.6	17.6	21.9	26.3	33.7	41.0	45.4	46.8	48.3	48.3
157.5°	7.3	10.2	11.7	16.1	19.0	21.9	27.8	35.1	36.6	36.6	36.6
160°	4.4	5.9	7.3	10.2	11.7	14.6	17.6	21.9	26.3	26.3	26.3
162.5°	2.9	4.4	4.4	5.9	5.9	8.8	10.2	11.7	16.1	17.6	17.6
165°	1.5	2.9	2.9	2.9	2.9	2.9	4.4	4.4	7.3	8.8	8.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0
2.5°	1384.1	1387.0	1385.5	1385.5	1385.5	1388.5	1385.5	1372.4	1375.3	1378.2	1381.2
5°	1382.6	1384.1	1384.1	1382.6	1382.6	1385.5	1382.6	1369.5	1372.4	1375.3	1376.8
7.5°	1376.8	1378.2	1378.2	1378.2	1376.8	1379.7	1375.3	1363.6	1363.6	1366.5	1368.0
10°	1369.5	1372.4	1370.9	1369.5	1369.5	1369.5	1366.5	1353.4	1353.4	1354.8	1356.3
12.5°	1360.7	1360.7	1360.7	1359.2	1357.7	1357.7	1354.8	1341.7	1340.2	1343.1	1341.7
15°	1349.0	1351.9	1349.0	1347.5	1344.6	1344.6	1340.2	1327.0	1324.1	1325.6	1324.1
17.5°	1338.7	1340.2	1337.3	1334.3	1331.4	1329.9	1325.6	1310.9	1306.5	1308.0	1305.1
20°	1328.5	1328.5	1325.6	1322.6	1318.2	1313.9	1308.0	1293.4	1286.1	1286.1	1280.2
22.5°	1315.3	1315.3	1312.4	1308.0	1303.6	1297.8	1291.9	1277.3	1265.6	1262.6	1258.3
25°	1300.7	1299.2	1297.8	1293.4	1284.6	1278.7	1272.9	1256.8	1243.6	1237.8	1230.5
27.5°	1283.1	1283.1	1278.7	1274.4	1265.6	1258.3	1250.9	1236.3	1218.8	1211.4	1201.2
30°	1264.1	1264.1	1259.7	1253.9	1245.1	1236.3	1227.5	1210.0	1192.4	1182.2	1170.5
32.5°	1245.1	1243.6	1239.2	1233.4	1224.6	1211.4	1204.1	1186.6	1166.1	1154.4	1138.3
35°	1221.7	1220.2	1215.8	1208.5	1196.8	1186.6	1174.9	1158.8	1135.4	1120.7	1103.2
37.5°	1198.3	1196.8	1193.9	1183.6	1171.9	1160.2	1145.6	1129.5	1107.6	1088.5	1071.0
40°	1174.9	1173.4	1167.5	1160.2	1145.6	1131.0	1116.3	1100.2	1076.8	1054.9	1035.9
42.5°	1150.0	1148.5	1141.2	1132.4	1116.3	1101.7	1084.1	1066.6	1043.2	1016.8	997.8
45°	1125.1	1122.2	1114.9	1104.6	1087.1	1071.0	1053.4	1032.9	1009.5	984.7	959.8
47.5°	1098.8	1094.4	1087.1	1072.4	1057.8	1040.3	1019.8	997.8	974.4	946.6	920.3
50°	1069.5	1066.6	1057.8	1044.6	1027.1	1009.5	986.1	964.2	936.4	910.0	877.9
52.5°	1041.7	1035.9	1028.6	1013.9	996.4	977.3	952.5	926.1	898.3	873.5	839.8
55°	1012.5	1009.5	999.3	987.6	965.6	943.7	920.3	892.5	861.8	832.5	800.3
57.5°	984.7	978.8	970.0	953.9	934.9	913.0	888.1	858.8	825.2	794.5	759.3
60°	956.9	948.1	937.8	923.2	902.7	879.3	853.0	822.3	788.6	755.0	718.4
62.5°	926.1	918.8	907.1	892.5	872.0	847.1	819.3	787.1	755.0	719.8	680.3
65°	895.4	888.1	876.4	861.8	841.3	813.5	784.2	752.0	715.5	681.8	639.4
67.5°	864.7	857.4	844.2	828.1	807.6	781.3	750.6	716.9	680.3	643.8	599.9
70°	834.0	825.2	813.5	795.9	775.4	747.6	716.9	681.8	645.2	605.7	561.8
72.5°	803.2	795.9	781.3	765.2	743.2	715.5	684.7	649.6	611.6	570.6	526.7
75°	772.5	763.7	753.5	734.5	711.1	684.7	652.5	617.4	576.5	537.0	491.6
77.5°	741.8	734.5	721.3	702.3	680.3	652.5	620.3	585.2	544.3	503.3	455.0
80°	711.1	702.3	692.0	674.5	649.6	621.8	588.2	553.0	512.1	469.7	421.4
82.5°	680.3	671.6	659.9	642.3	618.9	591.1	558.9	520.9	479.9	436.0	390.6
85°	649.6	642.3	629.1	611.6	586.7	558.9	526.7	493.1	449.2	405.3	359.9
87.5°	618.9	611.6	598.4	580.8	557.4	529.6	497.5	462.3	419.9	378.9	329.2
90°	589.6	583.8	570.6	553.0	529.6	501.8	472.6	434.5	393.6	352.6	305.8
92.5°	563.3	557.4	545.7	528.2	507.7	477.0	447.7	411.1	370.2	327.7	282.4
95°	539.9	532.6	520.9	504.8	479.9	453.6	424.3	387.7	348.2	305.8	261.9
97.5°	513.5	506.2	494.5	477.0	456.5	428.7	399.4	364.3	324.8	285.3	241.4
100°	487.2	479.9	466.7	452.1	431.6	403.8	376.0	340.9	304.3	266.3	223.9
102.5°	460.9	453.6	441.9	427.2	406.7	381.9	354.1	320.4	283.8	245.8	206.3
105°	436.0	428.7	417.0	402.3	383.3	358.5	329.2	299.9	264.8	228.2	190.2
107.5°	411.1	403.8	393.6	378.9	359.9	336.5	308.7	278.0	245.8	210.7	174.1
110°	386.3	380.4	368.7	355.5	336.5	313.1	288.2	259.0	226.8	194.6	159.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	362.8	357.0	345.3	330.7	314.6	292.6	267.7	239.9	209.2	178.5	144.8
115°	339.4	332.1	321.9	308.7	292.6	272.1	248.7	223.9	193.1	163.9	133.1
117.5°	316.0	310.2	299.9	286.8	272.1	251.7	229.7	206.3	177.0	149.2	121.4
120°	292.6	288.2	278.0	266.3	251.7	232.6	212.1	188.7	162.4	136.1	109.7
122.5°	270.7	266.3	256.0	245.8	231.2	213.6	194.6	172.6	149.2	124.4	101.0
125°	250.2	244.3	235.6	225.3	212.1	196.1	177.0	156.6	134.6	112.7	90.7
127.5°	228.2	223.9	218.0	206.3	193.1	178.5	160.9	143.4	122.9	102.4	81.9
130°	210.7	204.8	197.5	188.7	177.0	162.4	146.3	128.8	111.2	92.2	71.7
132.5°	190.2	184.3	178.5	169.7	159.5	146.3	131.7	115.6	99.5	81.9	64.4
135°	171.2	166.8	160.9	152.2	141.9	131.7	117.0	102.4	87.8	71.7	57.1
137.5°	153.6	149.2	143.4	137.5	127.3	117.0	103.9	90.7	77.5	62.9	49.7
140°	136.1	133.1	127.3	121.4	112.7	102.4	90.7	79.0	67.3	54.1	42.4
142.5°	118.5	115.6	111.2	105.3	98.0	89.2	79.0	68.8	57.1	46.8	36.6
145°	102.4	101.0	96.6	90.7	84.9	76.1	67.3	58.5	48.3	39.5	29.3
147.5°	86.3	84.9	81.9	77.5	71.7	64.4	57.1	48.3	41.0	32.2	23.4
150°	71.7	70.2	68.8	62.9	60.0	52.7	46.8	39.5	33.7	24.9	19.0
152.5°	58.5	58.5	55.6	51.2	48.3	42.4	38.0	32.2	26.3	20.5	14.6
155°	46.8	45.4	43.9	41.0	38.0	33.7	29.3	24.9	20.5	14.6	10.2
157.5°	36.6	35.1	33.7	30.7	27.8	26.3	21.9	17.6	13.2	10.2	7.3
160°	26.3	24.9	23.4	21.9	20.5	17.6	14.6	11.7	8.8	5.9	4.4
162.5°	17.6	16.1	16.1	14.6	13.2	10.2	8.8	7.3	5.9	4.4	2.9
165°	8.8	8.8	7.3	7.3	5.9	4.4	4.4	4.4	2.9	2.9	1.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0
2.5°	1379.7	1379.7	1385.5	1384.1	1379.7	1388.5	1398.7
5°	1375.3	1375.3	1379.7	1379.7	1375.3	1384.1	1392.9
7.5°	1368.0	1366.5	1370.9	1370.9	1365.1	1372.4	1382.6
10°	1354.8	1353.4	1357.7	1357.7	1351.9	1359.2	1368.0
12.5°	1340.2	1337.3	1341.7	1340.2	1334.3	1341.7	1350.4
15°	1321.2	1319.7	1322.6	1319.7	1313.9	1321.2	1329.9
17.5°	1302.1	1297.8	1299.2	1299.2	1289.0	1296.3	1303.6
20°	1277.3	1271.4	1272.9	1271.4	1264.1	1268.5	1277.3
22.5°	1252.4	1243.6	1243.6	1242.2	1233.4	1239.2	1246.6
25°	1221.7	1211.4	1211.4	1210.0	1199.7	1204.1	1211.4
27.5°	1191.0	1180.7	1176.3	1174.9	1164.6	1164.6	1174.9
30°	1158.8	1144.1	1141.2	1136.8	1126.6	1126.6	1135.4
32.5°	1128.0	1107.6	1101.7	1095.9	1085.6	1084.1	1094.4
35°	1087.1	1071.0	1060.7	1054.9	1043.2	1040.3	1049.0
37.5°	1053.4	1032.9	1018.3	1011.0	999.3	994.9	1006.6
40°	1016.8	994.9	975.9	971.5	953.9	948.1	958.3
42.5°	975.9	952.5	933.5	924.7	911.5	905.7	907.1
45°	934.9	910.0	889.6	877.9	864.7	854.4	860.3
47.5°	892.5	870.5	845.7	828.1	812.0	804.7	807.6
50°	850.1	823.7	800.3	781.3	762.3	753.5	759.3
52.5°	807.6	779.8	753.5	733.0	711.1	702.3	703.7
55°	766.7	737.4	706.7	684.7	664.2	651.1	648.1
57.5°	725.7	693.5	661.3	636.4	610.1	598.4	594.0
60°	681.8	648.1	614.5	585.2	557.4	544.3	538.4
62.5°	640.8	604.3	566.2	535.5	507.7	490.1	485.7
65°	601.3	558.9	520.9	485.7	455.0	436.0	430.1
67.5°	558.9	515.0	474.0	436.0	406.7	381.9	378.9
70°	519.4	472.6	427.2	387.7	355.5	330.7	319.0
72.5°	479.9	431.6	384.8	342.4	301.4	278.0	269.2
75°	441.9	392.1	342.4	298.5	253.1	225.3	216.5
77.5°	406.7	355.5	302.9	254.6	212.1	177.0	165.3
80°	373.1	320.4	264.8	215.1	169.7	131.7	118.5
82.5°	338.0	288.2	231.2	178.5	131.7	92.2	76.1
85°	307.2	257.5	200.4	147.8	101.0	58.5	41.0
87.5°	282.4	228.2	177.0	124.4	76.1	33.7	11.7
90°	257.5	204.8	153.6	102.4	57.1	19.0	1.5
92.5°	235.6	185.8	134.6	87.8	43.9	13.2	1.5
95°	215.1	166.8	118.5	73.2	35.1	8.8	1.5
97.5°	196.1	150.7	105.3	62.9	29.3	7.3	1.5
100°	180.0	136.1	93.6	55.6	24.9	5.9	1.5
102.5°	163.9	122.9	83.4	48.3	21.9	4.4	1.5
105°	150.7	111.2	74.6	43.9	19.0	4.4	1.5
107.5°	137.5	101.0	67.3	38.0	16.1	2.9	1.5
110°	124.4	92.2	60.0	33.7	14.6	2.9	1.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	114.1	83.4	54.1	30.7	11.7	2.9	1.5
115°	103.9	74.6	48.3	26.3	10.2	1.5	1.5
117.5°	93.6	67.3	42.4	23.4	8.8	1.5	1.5
120°	84.9	60.0	38.0	20.5	7.3	1.5	1.5
122.5°	76.1	54.1	33.7	17.6	5.9	1.5	1.5
125°	68.8	48.3	29.3	14.6	4.4	1.5	1.5
127.5°	61.4	42.4	26.3	13.2	4.4	1.5	1.5
130°	54.1	38.0	21.9	10.2	2.9	1.5	1.5
132.5°	48.3	32.2	19.0	8.8	2.9	1.5	1.5
135°	42.4	27.8	16.1	5.9	2.9	1.5	1.5
137.5°	36.6	23.4	13.2	4.4	1.5	1.5	1.5
140°	30.7	20.5	10.2	4.4	1.5	1.5	1.5
142.5°	26.3	16.1	7.3	2.9	1.5	1.5	1.5
145°	20.5	13.2	5.9	2.9	1.5	1.5	1.5
147.5°	16.1	10.2	4.4	2.9	1.5	1.5	1.5
150°	11.7	7.3	4.4	1.5	1.5	1.5	1.5
152.5°	8.8	5.9	2.9	1.5	1.5	1.5	1.5
155°	5.9	4.4	2.9	1.5	1.5	1.5	1.5
157.5°	4.4	2.9	1.5	1.5	1.5	1.5	1.5
160°	2.9	1.5	1.5	1.5	1.5	1.5	1.5
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5
165°	1.5	1.5	1.5	1.5	1.5	1.5	1.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)