

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-L950-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-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

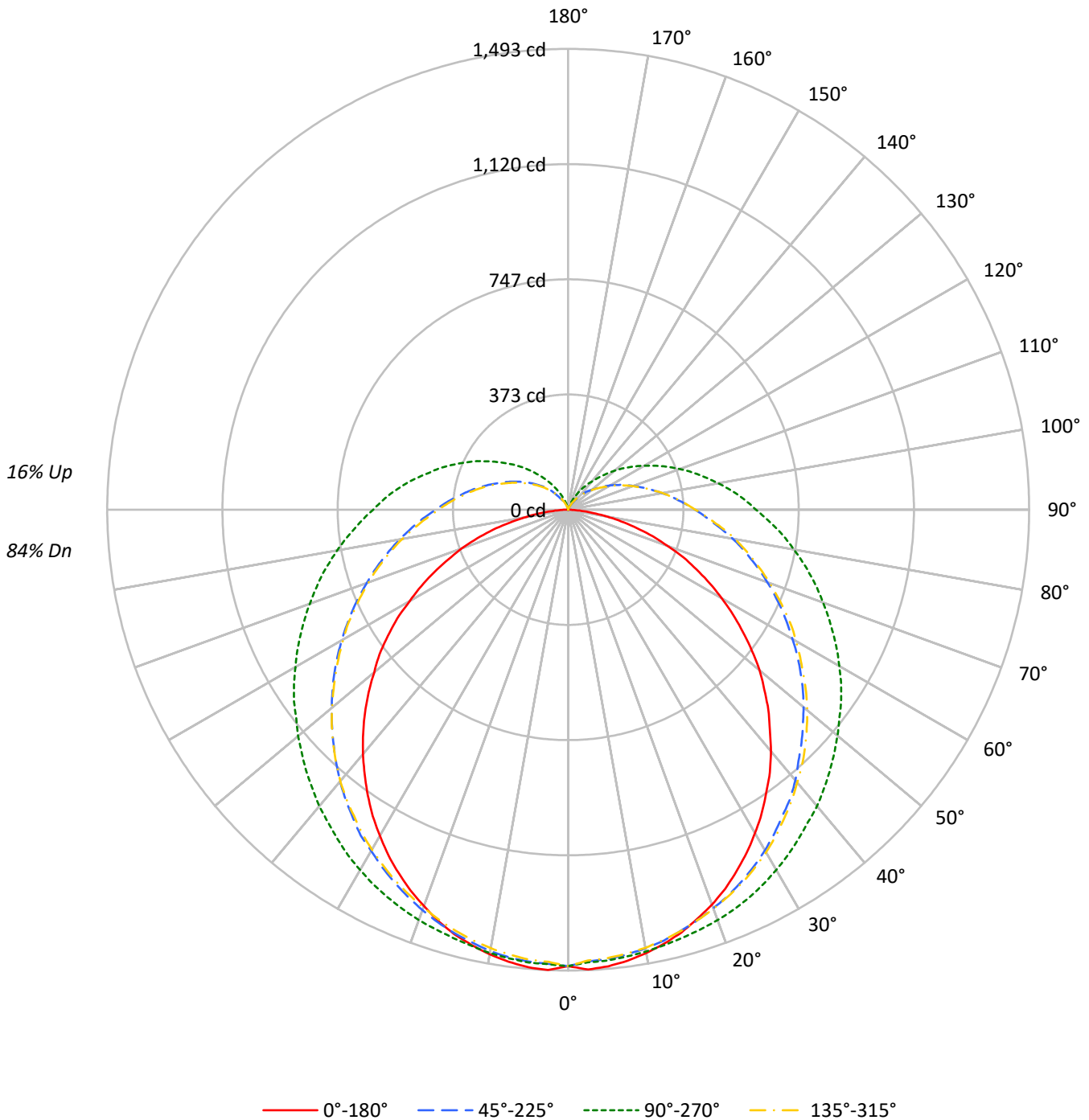
Lumens per Lamp: N/A
Luminaire Lumens: 6424.0 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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



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CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L950-CD1-U

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	5974	5974	5974	5974
5°	6014	5757	6027	5782
10°	5967	5594	5986	5612
15°	5906	5454	5932	5460
20°	5822	5352	5842	5352
25°	5716	5261	5750	5255
30°	5596	5167	5640	5167
35°	5456	5081	5517	5087
40°	5319	5030	5384	5030
45°	5160	4977	5239	4983
50°	4995	4945	5063	4958
55°	4761	4950	4912	4971
60°	4516	4965	4663	4996
65°	4242	5015	4429	5064
70°	3851	5107	4151	5179
75°	3405	5274	3728	5375
80°	2700	5521	3067	5649
85°	1719	5918	2148	6082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	2.2
10°-20°	402.6	6.3
20°-30°	617.2	9.6
30°-40°	761.4	11.9
40°-50°	826.1	12.9
50°-60°	814.2	12.7
60°-70°	736.2	11.5
70°-80°	613.3	9.5
80°-90°	475.0	7.4
90°-100°	360.3	5.6
100°-110°	266.6	4.2
110°-120°	185.4	2.9
120°-130°	118.3	1.8
130°-140°	66.4	1.0
140°-150°	30.3	0.5
150°-160°	9.4	0.1
160°-170°	1.2	0.0
170°-180°	0.0	0.0
0°-30°	1159.8	18.1
0°-40°	1921.3	29.9
0°-60°	3561.6	55.4
0°-90°	5386.1	83.8
90°-120°	812.3	12.6
90°-150°	1027.3	16.0
90°-180°	1038.0	16.2
0°-180°	6424.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1479	1479	1479	1479	1479	
5°	1485	1466	1488	1472	1485	141
15°	1418	1435	1424	1436	1418	399
25°	1291	1387	1299	1385	1291	595
35°	1118	1301	1131	1302	1118	700
45°	917	1198	931	1199	917	707
55°	691	1079	713	1084	691	618
65°	459	947	479	956	459	454
75°	231	811	253	827	231	244
85°	44	675	55	694	44	53
90°	2	608	3	632	2	2
95°	2	552	2	579	2	1
105°	2	438	2	465	2	2
115°	2	334	2	363	2	2
125°	2	240	2	267	2	1
135°	2	156	2	184	2	1
145°	2	90	2	111	2	1
155°	2	37	2	52	2	1
165°	2	6	2	9	2	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6
2.5°	1491.1	1491.1	1489.5	1486.4	1488.0	1492.7	1489.5	1481.7	1477.1	1464.6	1467.7
5°	1484.9	1484.9	1483.3	1480.2	1481.7	1488.0	1484.9	1478.6	1472.4	1461.5	1466.1
7.5°	1473.9	1473.9	1472.4	1469.3	1472.4	1478.6	1475.5	1469.3	1464.6	1453.7	1458.3
10°	1458.3	1459.9	1458.3	1453.7	1459.9	1466.1	1464.6	1456.8	1452.1	1442.7	1447.4
12.5°	1439.6	1441.2	1439.6	1438.1	1441.2	1450.5	1447.4	1441.2	1438.1	1430.3	1434.9
15°	1417.8	1419.3	1416.2	1416.2	1419.3	1428.7	1428.7	1422.5	1419.3	1411.5	1420.9
17.5°	1389.7	1391.3	1389.7	1389.7	1392.8	1402.2	1403.7	1400.6	1397.5	1394.4	1403.7
20°	1361.6	1360.1	1360.1	1358.5	1364.8	1378.8	1377.2	1377.2	1374.1	1374.1	1385.0
22.5°	1328.9	1328.9	1327.3	1327.3	1335.1	1347.6	1347.6	1350.7	1347.6	1353.8	1363.2
25°	1291.4	1293.0	1291.4	1294.6	1300.8	1314.8	1316.4	1321.1	1322.6	1328.9	1339.8
27.5°	1252.5	1254.0	1252.5	1255.6	1266.5	1277.4	1285.2	1291.4	1293.0	1302.4	1316.4
30°	1210.3	1210.3	1211.9	1215.0	1227.5	1244.7	1250.9	1258.7	1258.7	1274.3	1288.3
32.5°	1166.7	1166.7	1166.7	1172.9	1186.9	1207.2	1215.0	1224.4	1227.5	1243.1	1258.7
35°	1118.3	1119.9	1119.9	1124.6	1143.3	1163.6	1174.5	1185.4	1191.6	1210.3	1225.9
37.5°	1073.1	1076.2	1071.5	1077.8	1104.3	1121.4	1133.9	1144.8	1155.8	1180.7	1193.2
40°	1021.6	1024.7	1023.2	1035.7	1057.5	1079.3	1093.4	1104.3	1119.9	1144.8	1158.9
42.5°	967.0	970.1	973.3	987.3	1010.7	1032.5	1049.7	1063.7	1082.4	1104.3	1127.7
45°	917.1	917.1	921.8	939.0	963.9	987.3	1007.6	1023.2	1045.0	1068.4	1091.8
47.5°	861.0	862.5	868.8	889.0	915.6	943.6	962.3	982.6	1006.0	1031.0	1057.5
50°	809.5	809.5	818.9	840.7	865.6	896.8	917.1	940.5	965.5	995.1	1021.6
52.5°	750.2	753.3	767.4	787.7	820.4	848.5	871.9	896.8	926.5	957.7	987.3
55°	691.0	697.2	708.1	736.2	770.5	797.0	825.1	856.3	884.4	918.7	953.0
57.5°	633.2	637.9	655.1	683.2	719.0	751.8	781.4	811.1	845.4	879.7	915.6
60°	574.0	580.2	600.5	628.6	667.6	701.9	736.2	767.4	803.3	839.1	876.6
62.5°	517.8	522.5	545.9	578.7	617.6	655.1	689.4	726.8	765.8	800.1	837.6
65°	458.6	466.4	492.9	522.5	567.7	605.2	644.2	684.7	725.3	762.7	798.6
67.5°	404.0	408.6	436.7	471.0	516.3	558.4	598.9	642.6	684.7	723.7	759.6
70°	340.0	355.6	383.7	419.6	467.9	511.6	555.3	600.5	645.7	686.3	720.6
72.5°	287.0	299.5	330.7	369.7	416.4	467.9	513.1	561.5	606.7	648.8	684.7
75°	230.8	243.3	279.2	322.9	371.2	425.8	472.6	522.5	569.3	611.4	648.8
77.5°	176.2	191.8	230.8	276.1	329.1	385.3	433.6	483.5	531.9	577.1	614.5
80°	126.3	143.5	185.6	237.1	288.5	344.7	397.7	447.6	496.0	541.2	580.2
82.5°	81.1	99.8	145.1	196.5	251.1	307.3	361.9	411.8	460.1	505.3	545.9
85°	43.7	63.9	110.7	162.2	216.8	273.0	327.5	380.6	427.4	469.5	513.1
87.5°	12.5	37.4	82.7	134.1	190.3	241.8	294.8	347.8	394.6	439.8	478.8
90°	1.6	21.8	62.4	110.7	165.3	215.2	268.3	318.2	365.0	410.2	449.2
92.5°	1.6	14.0	48.4	92.0	141.9	193.4	246.4	294.8	338.5	383.7	422.7
95°	1.6	10.9	39.0	78.0	124.8	173.1	223.0	269.8	315.1	357.2	396.2
97.5°	1.6	7.8	31.2	67.1	109.2	154.4	202.8	249.6	293.2	333.8	369.7
100°	1.6	6.2	25.0	57.7	95.1	138.8	182.5	227.7	269.8	308.8	346.3
102.5°	1.6	4.7	21.8	48.4	84.2	123.2	165.3	207.4	248.0	285.4	322.9
105°	1.6	4.7	18.7	42.1	74.9	110.7	149.7	190.3	227.7	263.6	297.9
107.5°	1.6	3.1	15.6	35.9	65.5	99.8	135.7	174.7	209.0	243.3	276.1
110°	1.6	3.1	12.5	32.8	57.7	88.9	123.2	159.1	191.8	224.6	255.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.6	3.1	10.9	28.1	49.9	79.5	110.7	143.5	174.7	207.4	235.5
115°	1.6	3.1	9.4	25.0	46.8	68.6	99.8	129.5	160.7	190.3	216.8
117.5°	1.6	3.1	7.8	20.3	40.6	62.4	87.3	117.0	145.1	173.1	198.1
120°	1.6	3.1	6.2	18.7	35.9	56.1	78.0	104.5	131.0	157.5	184.0
122.5°	1.6	1.6	6.2	15.6	31.2	49.9	71.7	92.0	117.0	141.9	165.3
125°	1.6	1.6	6.2	14.0	26.5	45.2	63.9	82.7	104.5	126.3	146.6
127.5°	1.6	1.6	4.7	10.9	23.4	39.0	56.1	76.4	92.0	112.3	132.6
130°	1.6	1.6	4.7	9.4	20.3	32.8	49.9	67.1	85.8	99.8	117.0
132.5°	1.6	1.6	4.7	7.8	15.6	26.5	42.1	57.7	74.9	90.5	104.5
135°	1.6	1.6	3.1	6.2	12.5	21.8	34.3	48.4	65.5	81.1	95.1
137.5°	1.6	1.6	3.1	6.2	9.4	18.7	26.5	39.0	54.6	68.6	82.7
140°	1.6	1.6	3.1	4.7	7.8	14.0	21.8	31.2	43.7	56.1	71.7
142.5°	1.6	1.6	1.6	4.7	6.2	10.9	17.2	25.0	34.3	45.2	57.7
145°	1.6	1.6	1.6	4.7	6.2	7.8	14.0	20.3	26.5	34.3	45.2
147.5°	1.6	1.6	1.6	3.1	4.7	6.2	10.9	15.6	20.3	26.5	32.8
150°	1.6	1.6	1.6	3.1	4.7	6.2	7.8	10.9	15.6	21.8	26.5
152.5°	1.6	1.6	1.6	3.1	3.1	4.7	6.2	7.8	10.9	15.6	18.7
155°	1.6	1.6	1.6	1.6	3.1	4.7	6.2	6.2	7.8	10.9	14.0
157.5°	1.6	1.6	1.6	1.6	3.1	3.1	4.7	4.7	6.2	6.2	9.4
160°	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7	4.7	4.7	4.7
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1	4.7	4.7
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6
2.5°	1467.7	1469.3	1473.9	1473.9	1470.8	1470.8	1469.3	1467.7	1469.3	1472.4	1472.4
5°	1464.6	1466.1	1470.8	1472.4	1469.3	1467.7	1467.7	1466.1	1467.7	1470.8	1470.8
7.5°	1458.3	1459.9	1464.6	1466.1	1463.0	1463.0	1461.5	1459.9	1463.0	1464.6	1464.6
10°	1449.0	1450.5	1456.8	1458.3	1456.8	1455.2	1455.2	1453.7	1455.2	1458.3	1458.3
12.5°	1436.5	1439.6	1447.4	1447.4	1447.4	1445.9	1445.9	1444.3	1445.9	1449.0	1447.4
15°	1422.5	1428.7	1434.9	1438.1	1438.1	1438.1	1436.5	1434.9	1438.1	1439.6	1438.1
17.5°	1406.9	1414.7	1424.0	1427.1	1427.1	1428.7	1427.1	1425.6	1428.7	1428.7	1427.1
20°	1391.3	1399.1	1408.4	1411.5	1414.7	1416.2	1416.2	1414.7	1416.2	1417.8	1416.2
22.5°	1371.0	1380.4	1391.3	1396.0	1399.1	1402.2	1402.2	1402.2	1403.7	1405.3	1402.2
25°	1349.2	1360.1	1372.6	1377.2	1383.5	1385.0	1386.6	1386.6	1388.2	1389.7	1385.0
27.5°	1325.8	1338.2	1350.7	1358.5	1363.2	1366.3	1366.3	1367.9	1369.4	1371.0	1366.3
30°	1297.7	1316.4	1327.3	1333.6	1339.8	1344.5	1346.0	1347.6	1349.2	1350.7	1346.0
32.5°	1272.7	1288.3	1302.4	1310.2	1318.0	1324.2	1325.8	1325.8	1328.9	1328.9	1324.2
35°	1243.1	1261.8	1275.9	1283.7	1293.0	1297.7	1300.8	1300.8	1303.9	1303.9	1299.2
37.5°	1213.5	1232.2	1247.8	1257.1	1268.1	1274.3	1275.9	1275.9	1279.0	1279.0	1272.7
40°	1182.3	1202.5	1219.7	1230.6	1240.0	1247.8	1249.3	1254.0	1254.0	1252.5	1246.2
42.5°	1151.1	1169.8	1188.5	1201.0	1213.5	1221.3	1224.4	1225.9	1225.9	1224.4	1219.7
45°	1116.8	1138.6	1155.8	1171.4	1183.8	1191.6	1196.3	1197.9	1197.9	1194.7	1190.1
47.5°	1084.0	1105.8	1123.0	1140.2	1152.6	1162.0	1166.7	1168.2	1166.7	1165.1	1160.4
50°	1049.7	1074.6	1091.8	1109.0	1121.4	1129.2	1137.0	1138.6	1137.0	1135.5	1126.1
52.5°	1013.8	1040.3	1059.1	1076.2	1090.2	1099.6	1105.8	1107.4	1107.4	1104.3	1098.0
55°	977.9	1001.3	1024.7	1043.5	1059.1	1068.4	1076.2	1079.3	1076.2	1073.1	1065.3
57.5°	945.2	967.0	990.4	1010.7	1026.3	1038.8	1045.0	1048.1	1045.0	1040.3	1032.5
60°	906.2	929.6	956.1	974.8	992.0	1004.5	1007.6	1013.8	1010.7	1006.0	998.2
62.5°	868.8	896.8	920.2	943.6	957.7	971.7	977.9	981.1	977.9	973.3	965.5
65°	829.8	861.0	884.4	907.8	923.4	937.4	945.2	946.8	943.6	939.0	931.2
67.5°	793.9	823.5	848.5	873.4	887.5	901.5	909.3	912.4	909.3	903.1	895.3
70°	758.0	787.7	817.3	836.0	853.2	868.8	873.4	878.1	875.0	868.8	859.4
72.5°	722.2	753.3	783.0	801.7	820.4	834.5	840.7	845.4	842.2	836.0	825.1
75°	684.7	717.5	747.1	767.4	786.1	800.1	806.4	811.1	807.9	801.7	789.2
77.5°	650.4	683.2	711.2	733.1	751.8	764.3	775.2	776.7	773.6	767.4	754.9
80°	614.5	647.3	676.9	698.8	717.5	729.9	737.7	742.4	739.3	733.1	720.6
82.5°	583.3	613.0	642.6	664.4	683.2	698.8	705.0	709.7	708.1	698.8	689.4
85°	549.0	583.3	606.7	630.1	648.8	664.4	669.1	675.4	673.8	666.0	653.5
87.5°	514.7	549.0	577.1	600.5	617.6	630.1	637.9	641.0	639.5	631.7	617.6
90°	486.6	517.8	545.9	570.9	584.9	598.9	606.7	608.3	608.3	598.9	588.0
92.5°	460.1	489.8	517.8	541.2	558.4	570.9	577.1	580.2	578.7	570.9	558.4
95°	430.5	463.2	489.8	513.1	530.3	542.8	549.0	552.1	550.6	542.8	530.3
97.5°	405.5	435.2	461.7	483.5	500.7	513.1	519.4	522.5	522.5	514.7	502.2
100°	380.6	410.2	435.2	457.0	472.6	485.1	491.3	492.9	491.3	485.1	472.6
102.5°	355.6	383.7	408.6	428.9	446.1	457.0	463.2	464.8	464.8	457.0	444.5
105°	330.7	358.7	382.1	404.0	418.0	428.9	433.6	438.3	436.7	430.5	418.0
107.5°	307.3	335.3	357.2	377.5	391.5	402.4	407.1	411.8	410.2	404.0	391.5
110°	285.4	311.9	332.2	352.5	365.0	375.9	383.7	385.3	382.1	375.9	365.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	265.2	288.5	308.8	327.5	341.6	349.4	355.6	358.7	355.6	349.4	341.6
115°	243.3	266.7	287.0	304.1	316.6	326.0	330.7	333.8	330.7	324.4	316.6
117.5°	223.0	244.9	265.2	282.3	293.2	301.0	305.7	308.8	305.7	301.0	293.2
120°	205.9	224.6	243.3	258.9	271.4	277.6	282.3	285.4	283.9	277.6	269.8
122.5°	185.6	205.9	223.0	238.6	249.6	255.8	258.9	262.0	260.5	255.8	248.0
125°	168.4	185.6	202.8	216.8	227.7	234.0	237.1	240.2	238.6	234.0	224.6
127.5°	149.7	168.4	182.5	196.5	204.3	213.7	215.2	218.4	216.8	212.1	204.3
130°	135.7	149.7	163.8	176.2	185.6	191.8	195.0	196.5	193.4	190.3	182.5
132.5°	118.5	134.1	146.6	157.5	163.8	170.0	173.1	174.7	174.7	170.0	163.8
135°	106.1	117.0	127.9	138.8	145.1	151.3	154.4	156.0	154.4	151.3	145.1
137.5°	95.1	104.5	112.3	121.7	129.5	132.6	135.7	135.7	134.1	132.6	127.9
140°	82.7	93.6	101.4	107.6	113.9	115.4	118.5	118.5	117.0	115.4	112.3
142.5°	70.2	79.5	87.3	95.1	99.8	102.9	104.5	106.1	104.5	102.9	98.3
145°	56.1	67.1	74.9	79.5	85.8	87.3	88.9	90.5	88.9	87.3	82.7
147.5°	43.7	53.0	60.8	67.1	71.7	73.3	74.9	76.4	74.9	71.7	70.2
150°	31.2	39.0	48.4	54.6	57.7	60.8	60.8	60.8	62.4	59.3	56.1
152.5°	25.0	28.1	34.3	40.6	45.2	46.8	48.4	48.4	46.8	46.8	43.7
155°	17.2	20.3	25.0	29.6	34.3	35.9	37.4	37.4	35.9	35.9	34.3
157.5°	10.9	14.0	17.2	20.3	25.0	26.5	28.1	28.1	28.1	26.5	25.0
160°	6.2	7.8	9.4	12.5	15.6	17.2	18.7	18.7	18.7	18.7	17.2
162.5°	4.7	4.7	4.7	6.2	7.8	9.4	10.9	10.9	10.9	10.9	9.4
165°	3.1	3.1	3.1	3.1	3.1	4.7	6.2	6.2	6.2	6.2	6.2
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6
2.5°	1470.8	1470.8	1472.4	1469.3	1459.9	1461.5	1461.5	1467.7	1470.8	1472.4	1480.2
5°	1467.7	1467.7	1470.8	1466.1	1458.3	1458.3	1458.3	1464.6	1466.1	1469.3	1475.5
7.5°	1463.0	1463.0	1464.6	1459.9	1450.5	1450.5	1449.0	1455.2	1458.3	1459.9	1466.1
10°	1455.2	1455.2	1456.8	1452.1	1441.2	1441.2	1439.6	1444.3	1445.9	1449.0	1453.7
12.5°	1444.3	1444.3	1444.3	1439.6	1428.7	1427.1	1425.6	1430.3	1430.3	1431.8	1436.5
15°	1434.9	1431.8	1431.8	1427.1	1416.2	1413.1	1410.0	1411.5	1414.7	1413.1	1416.2
17.5°	1424.0	1420.9	1417.8	1413.1	1399.1	1394.4	1391.3	1392.8	1391.3	1389.7	1392.8
20°	1411.5	1406.9	1405.3	1397.5	1383.5	1375.7	1369.4	1366.3	1367.9	1363.2	1364.8
22.5°	1397.5	1391.3	1388.2	1378.8	1364.8	1355.4	1347.6	1341.4	1339.8	1333.6	1335.1
25°	1380.4	1372.6	1367.9	1360.1	1344.5	1333.6	1324.2	1314.8	1310.2	1302.4	1300.8
27.5°	1360.1	1352.3	1346.0	1338.2	1322.6	1308.6	1297.7	1285.2	1279.0	1269.6	1264.9
30°	1339.8	1330.4	1321.1	1314.8	1297.7	1282.1	1264.9	1254.0	1244.7	1233.7	1225.9
32.5°	1314.8	1305.5	1296.1	1286.8	1271.2	1252.5	1238.4	1221.3	1210.3	1197.9	1188.5
35°	1289.9	1277.4	1268.1	1255.6	1241.5	1219.7	1202.5	1185.4	1171.4	1157.3	1146.4
37.5°	1261.8	1252.5	1238.4	1227.5	1210.3	1188.5	1169.8	1148.0	1135.5	1116.8	1102.7
40°	1235.3	1224.4	1210.3	1196.3	1179.1	1154.2	1133.9	1109.0	1094.9	1073.1	1059.1
42.5°	1208.8	1193.2	1179.1	1163.6	1144.8	1121.4	1096.5	1071.5	1052.8	1032.5	1012.3
45°	1179.1	1162.0	1144.8	1127.7	1109.0	1085.6	1059.1	1032.5	1009.1	990.4	965.5
47.5°	1148.0	1130.8	1110.5	1091.8	1071.5	1048.1	1020.1	992.0	967.0	945.2	918.7
50°	1116.8	1099.6	1077.8	1057.5	1034.1	1010.7	981.1	948.3	921.8	893.7	870.3
52.5°	1084.0	1066.8	1046.6	1020.1	995.1	971.7	940.5	906.2	876.6	853.2	823.5
55°	1051.3	1034.1	1010.7	984.2	959.2	929.6	900.0	865.6	832.9	804.8	775.2
57.5°	1016.9	1001.3	974.8	953.0	921.8	890.6	859.4	826.7	790.8	758.0	723.7
60°	982.6	965.5	940.5	914.0	882.8	851.6	818.9	783.0	745.5	709.7	678.5
62.5°	951.4	929.6	906.2	878.1	845.4	815.7	778.3	739.3	701.9	664.4	627.0
65°	915.6	892.2	870.3	842.2	807.9	773.6	736.2	697.2	656.6	616.1	578.7
67.5°	879.7	856.3	832.9	804.8	768.9	733.1	694.1	655.1	609.9	570.9	527.2
70°	843.8	825.1	795.5	765.8	733.1	694.1	655.1	613.0	566.2	524.1	478.8
72.5°	807.9	789.2	759.6	728.4	697.2	656.6	614.5	572.4	528.7	480.4	432.0
75°	773.6	750.2	723.7	694.1	661.3	619.2	577.1	533.4	482.0	436.7	386.8
77.5°	740.9	719.0	692.5	659.8	623.9	583.3	539.7	494.4	443.0	394.6	340.0
80°	705.0	683.2	656.6	623.9	588.0	549.0	502.2	455.4	405.5	352.5	296.3
82.5°	670.7	650.4	620.8	591.1	552.1	513.1	466.4	419.6	366.5	315.1	260.5
85°	634.8	614.5	586.5	555.3	517.8	475.7	432.0	385.3	332.2	279.2	224.6
87.5°	603.6	580.2	552.1	520.9	483.5	443.0	400.8	350.9	299.5	248.0	191.8
90°	570.9	549.0	520.9	489.8	452.3	411.8	368.1	321.3	271.4	218.4	165.3
92.5°	542.8	519.4	492.9	461.7	424.2	385.3	341.6	294.8	246.4	195.0	143.5
95°	514.7	491.3	466.4	435.2	397.7	358.7	315.1	269.8	223.0	173.1	124.8
97.5°	483.5	463.2	438.3	408.6	371.2	333.8	291.7	248.0	202.8	154.4	109.2
100°	458.6	435.2	411.8	380.6	346.3	310.4	268.3	226.2	182.5	137.3	95.1
102.5°	430.5	408.6	385.3	355.6	321.3	285.4	246.4	205.9	165.3	123.2	82.7
105°	404.0	383.7	358.7	330.7	297.9	263.6	226.2	188.7	149.7	109.2	73.3
107.5°	377.5	357.2	333.8	307.3	276.1	241.8	207.4	170.0	134.1	98.3	65.5
110°	350.9	332.2	310.4	283.9	254.2	223.0	190.3	156.0	120.1	87.3	57.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	327.5	308.8	287.0	262.0	234.0	204.3	173.1	140.4	107.6	78.0	49.9
115°	304.1	287.0	265.2	243.3	215.2	187.2	157.5	126.3	96.7	70.2	43.7
117.5°	280.7	263.6	243.3	221.5	196.5	170.0	141.9	112.3	87.3	62.4	39.0
120°	257.4	241.8	223.0	202.8	180.9	154.4	126.3	101.4	78.0	54.6	34.3
122.5°	235.5	221.5	204.3	185.6	162.2	137.3	113.9	92.0	70.2	48.4	28.1
125°	215.2	201.2	185.6	166.9	145.1	123.2	102.9	82.7	60.8	42.1	23.4
127.5°	195.0	180.9	165.3	148.2	131.0	110.7	92.0	73.3	54.6	37.4	20.3
130°	174.7	162.2	148.2	134.1	117.0	98.3	82.7	63.9	46.8	29.6	17.2
132.5°	154.4	145.1	132.6	118.5	102.9	88.9	71.7	56.1	40.6	26.5	15.6
135°	137.3	127.9	117.0	104.5	92.0	78.0	62.4	48.4	34.3	21.8	12.5
137.5°	121.7	113.9	102.9	92.0	81.1	67.1	54.6	40.6	28.1	18.7	9.4
140°	107.6	99.8	90.5	79.5	70.2	57.7	45.2	32.8	25.0	15.6	7.8
142.5°	93.6	85.8	78.0	68.6	59.3	48.4	37.4	28.1	20.3	12.5	7.8
145°	79.5	73.3	65.5	57.7	48.4	39.0	31.2	23.4	15.6	9.4	6.2
147.5°	65.5	60.8	53.0	46.8	39.0	31.2	25.0	18.7	12.5	7.8	4.7
150°	53.0	48.4	42.1	35.9	31.2	25.0	20.3	14.0	9.4	7.8	4.7
152.5°	40.6	37.4	32.8	29.6	25.0	18.7	14.0	10.9	7.8	6.2	3.1
155°	32.8	29.6	26.5	21.8	18.7	14.0	10.9	7.8	6.2	4.7	3.1
157.5°	23.4	21.8	18.7	15.6	12.5	9.4	7.8	7.8	4.7	3.1	1.6
160°	15.6	14.0	12.5	9.4	7.8	7.8	6.2	4.7	3.1	3.1	1.6
162.5°	9.4	7.8	7.8	7.8	6.2	6.2	4.7	3.1	3.1	1.6	1.6
165°	6.2	6.2	6.2	4.7	4.7	4.7	3.1	1.6	1.6	1.6	1.6
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6
2.5°	1480.2	1475.5	1481.7	1492.7	1494.2	1492.7	1489.5	1494.2	1500.5	1498.9	1488.0
5°	1477.1	1470.8	1477.1	1488.0	1488.0	1486.4	1484.9	1489.5	1495.8	1494.2	1484.9
7.5°	1467.7	1461.5	1467.7	1477.1	1478.6	1475.5	1475.5	1480.2	1486.4	1484.9	1477.1
10°	1455.2	1449.0	1452.1	1463.0	1466.1	1463.0	1463.0	1467.7	1475.5	1473.9	1464.6
12.5°	1436.5	1431.8	1434.9	1444.3	1447.4	1445.9	1444.3	1450.5	1458.3	1458.3	1449.0
15°	1416.2	1410.0	1413.1	1424.0	1425.6	1422.5	1424.0	1428.7	1438.1	1438.1	1430.3
17.5°	1392.8	1385.0	1389.7	1397.5	1399.1	1399.1	1399.1	1405.3	1416.2	1414.7	1408.4
20°	1366.3	1355.4	1358.5	1366.3	1369.4	1369.4	1369.4	1380.4	1388.2	1388.2	1381.9
22.5°	1335.1	1327.3	1327.3	1335.1	1339.8	1338.2	1338.2	1347.6	1358.5	1357.0	1357.0
25°	1299.2	1293.0	1289.9	1299.2	1300.8	1302.4	1305.5	1314.8	1327.3	1327.3	1328.9
27.5°	1261.8	1255.6	1254.0	1261.8	1263.4	1264.9	1268.1	1279.0	1291.4	1293.0	1296.1
30°	1225.9	1216.6	1213.5	1219.7	1222.8	1224.4	1224.4	1241.5	1252.5	1257.1	1263.4
32.5°	1183.8	1174.5	1166.7	1177.6	1179.1	1182.3	1183.8	1201.0	1213.5	1221.3	1230.6
35°	1141.7	1126.1	1123.0	1130.8	1133.9	1135.5	1138.6	1157.3	1174.5	1180.7	1193.2
37.5°	1094.9	1084.0	1074.6	1082.4	1085.6	1087.1	1096.5	1113.6	1130.8	1140.2	1152.6
40°	1051.3	1037.2	1029.4	1034.1	1037.2	1038.8	1049.7	1068.4	1088.7	1099.6	1115.2
42.5°	1002.9	984.2	977.9	982.6	984.2	988.9	998.2	1023.2	1043.5	1059.1	1071.5
45°	954.5	940.5	926.5	931.2	932.7	935.8	949.9	976.4	998.2	1016.9	1031.0
47.5°	904.6	887.5	873.4	876.6	882.8	884.4	900.0	931.2	951.4	971.7	990.4
50°	854.7	831.3	820.4	820.4	823.5	831.3	851.6	882.8	904.6	928.0	948.3
52.5°	803.3	781.4	768.9	770.5	773.6	783.0	801.7	832.9	857.8	882.8	907.8
55°	751.8	728.4	715.9	712.8	715.9	728.4	750.2	783.0	807.9	837.6	864.1
57.5°	700.3	672.2	661.3	656.6	659.8	675.4	697.2	731.5	762.7	790.8	822.0
60°	644.2	622.3	603.6	592.7	600.5	620.8	644.2	680.0	712.8	744.0	778.3
62.5°	595.8	567.7	547.5	536.5	544.3	561.5	594.3	628.6	664.4	700.3	734.6
65°	541.2	513.1	489.8	478.8	486.6	506.9	539.7	577.1	616.1	652.0	692.5
67.5°	488.2	458.6	430.5	419.6	428.9	450.8	486.6	528.7	570.9	608.3	652.0
70°	436.7	404.0	374.3	366.5	372.8	402.4	436.7	478.8	522.5	566.2	611.4
72.5°	389.9	349.4	318.2	308.8	316.6	349.4	388.4	432.0	478.8	525.6	574.0
75°	335.3	297.9	263.6	252.7	262.0	291.7	340.0	386.8	436.7	486.6	531.9
77.5°	291.7	248.0	212.1	195.0	210.6	248.0	294.8	344.7	396.2	447.6	499.1
80°	246.4	201.2	162.2	143.5	160.7	201.2	248.0	302.6	360.3	411.8	458.6
82.5°	205.9	157.5	117.0	96.7	115.4	160.7	212.1	266.7	322.9	374.3	428.9
85°	168.4	118.5	76.4	54.6	81.1	121.7	176.2	232.4	290.1	343.1	396.2
87.5°	137.3	88.9	46.8	23.4	49.9	95.1	146.6	202.8	260.5	313.5	363.4
90°	112.3	63.9	25.0	3.1	29.6	71.7	121.7	176.2	230.8	285.4	335.3
92.5°	92.0	48.4	14.0	1.6	18.7	57.7	104.5	156.0	209.0	262.0	310.4
95°	76.4	37.4	9.4	1.6	14.0	45.2	88.9	138.8	188.7	240.2	288.5
97.5°	65.5	31.2	7.8	1.6	10.9	39.0	76.4	123.2	171.6	219.9	266.7
100°	56.1	25.0	6.2	1.6	9.4	32.8	67.1	109.2	154.4	201.2	246.4
102.5°	48.4	20.3	4.7	1.6	7.8	28.1	59.3	98.3	138.8	184.0	227.7
105°	42.1	17.2	4.7	1.6	6.2	25.0	53.0	87.3	127.9	168.4	210.6
107.5°	35.9	14.0	3.1	1.6	4.7	20.3	46.8	79.5	115.4	154.4	193.4
110°	31.2	12.5	3.1	1.6	4.7	18.7	40.6	71.7	104.5	140.4	177.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	26.5	9.4	3.1	1.6	3.1	15.6	35.9	63.9	95.1	127.9	163.8
115°	23.4	7.8	1.6	1.6	3.1	14.0	32.8	57.7	85.8	117.0	149.7
117.5°	18.7	6.2	1.6	1.6	1.6	10.9	28.1	51.5	78.0	107.6	137.3
120°	15.6	6.2	1.6	1.6	1.6	9.4	25.0	45.2	70.2	96.7	124.8
122.5°	14.0	4.7	1.6	1.6	1.6	7.8	21.8	40.6	62.4	87.3	113.9
125°	12.5	4.7	1.6	1.6	1.6	6.2	18.7	35.9	56.1	78.0	102.9
127.5°	9.4	4.7	1.6	1.6	1.6	4.7	17.2	31.2	49.9	70.2	92.0
130°	7.8	3.1	1.6	1.6	1.6	4.7	14.0	28.1	43.7	62.4	82.7
132.5°	6.2	3.1	1.6	1.6	1.6	3.1	10.9	21.8	37.4	54.6	73.3
135°	6.2	3.1	1.6	1.6	1.6	3.1	7.8	18.7	31.2	46.8	62.4
137.5°	6.2	1.6	1.6	1.6	1.6	3.1	6.2	14.0	25.0	37.4	51.5
140°	4.7	1.6	1.6	1.6	1.6	1.6	4.7	10.9	20.3	31.2	43.7
142.5°	4.7	1.6	1.6	1.6	1.6	1.6	4.7	7.8	15.6	25.0	34.3
145°	3.1	1.6	1.6	1.6	1.6	1.6	3.1	6.2	12.5	18.7	28.1
147.5°	3.1	1.6	1.6	1.6	1.6	1.6	3.1	4.7	9.4	15.6	21.8
150°	3.1	1.6	1.6	1.6	1.6	1.6	3.1	4.7	6.2	10.9	17.2
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7	7.8	10.9
155°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	4.7	6.2	7.8
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7	6.2
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6
2.5°	1483.3	1472.4	1475.5	1473.9	1477.1	1481.7	1481.7	1480.2	1480.2	1477.1	1473.9
5°	1480.2	1469.3	1473.9	1472.4	1475.5	1480.2	1480.2	1478.6	1478.6	1473.9	1472.4
7.5°	1470.8	1463.0	1466.1	1466.1	1469.3	1473.9	1473.9	1472.4	1472.4	1467.7	1466.1
10°	1461.5	1452.1	1456.8	1456.8	1459.9	1466.1	1466.1	1464.6	1464.6	1459.9	1458.3
12.5°	1445.9	1436.5	1444.3	1445.9	1449.0	1455.2	1453.7	1453.7	1453.7	1449.0	1447.4
15°	1427.1	1420.9	1428.7	1430.3	1434.9	1442.7	1442.7	1442.7	1442.7	1438.1	1436.5
17.5°	1406.9	1402.2	1410.0	1413.1	1419.3	1427.1	1427.1	1428.7	1430.3	1427.1	1425.6
20°	1383.5	1380.4	1388.2	1394.4	1403.7	1411.5	1414.7	1416.2	1419.3	1416.2	1414.7
22.5°	1357.0	1357.0	1367.9	1374.1	1385.0	1392.8	1397.5	1402.2	1405.3	1402.2	1400.6
25°	1327.3	1332.0	1342.9	1353.8	1366.3	1374.1	1378.8	1385.0	1388.2	1386.6	1385.0
27.5°	1299.2	1305.5	1319.5	1330.4	1341.4	1353.8	1358.5	1366.3	1369.4	1369.4	1367.9
30°	1266.5	1275.9	1291.4	1303.9	1318.0	1330.4	1336.7	1344.5	1349.2	1346.0	1347.6
32.5°	1235.3	1250.9	1263.4	1277.4	1293.0	1305.5	1313.3	1322.6	1327.3	1325.8	1327.3
35°	1201.0	1216.6	1233.7	1247.8	1266.5	1279.0	1289.9	1297.7	1303.9	1302.4	1302.4
37.5°	1163.6	1183.8	1201.0	1219.7	1236.9	1250.9	1261.8	1271.2	1277.4	1277.4	1277.4
40°	1127.7	1149.5	1166.7	1188.5	1210.3	1222.8	1235.3	1244.7	1250.9	1252.5	1254.0
42.5°	1088.7	1112.1	1132.4	1155.8	1177.6	1193.2	1207.2	1218.1	1224.4	1227.5	1225.9
45°	1052.8	1074.6	1098.0	1124.6	1144.8	1160.4	1177.6	1190.1	1196.3	1197.9	1199.4
47.5°	1012.3	1037.2	1063.7	1090.2	1110.5	1130.8	1146.4	1158.9	1165.1	1169.8	1169.8
50°	973.3	999.8	1029.4	1057.5	1079.3	1099.6	1115.2	1129.2	1137.0	1140.2	1141.7
52.5°	937.4	962.3	993.5	1021.6	1043.5	1063.7	1084.0	1099.6	1107.4	1110.5	1110.5
55°	893.7	924.9	959.2	985.7	1009.1	1032.5	1052.8	1068.4	1076.2	1080.9	1084.0
57.5°	853.2	885.9	921.8	949.9	977.9	999.8	1018.5	1038.8	1045.0	1051.3	1052.8
60°	814.2	846.9	881.2	912.4	940.5	963.9	985.7	1002.9	1013.8	1016.9	1020.1
62.5°	773.6	807.9	843.8	875.0	904.6	932.7	953.0	968.6	981.1	985.7	988.9
65°	734.6	770.5	806.4	839.1	870.3	898.4	918.7	934.3	946.8	954.5	956.1
67.5°	692.5	731.5	768.9	803.3	834.5	864.1	884.4	900.0	912.4	921.8	923.4
70°	653.5	694.1	731.5	768.9	800.1	829.8	851.6	867.2	881.2	887.5	890.6
72.5°	616.1	658.2	697.2	734.6	765.8	795.5	818.9	834.5	848.5	856.3	857.8
75°	580.2	622.3	664.4	700.3	733.1	762.7	786.1	803.3	815.7	823.5	826.7
77.5°	544.3	588.0	630.1	666.0	700.3	729.9	750.2	770.5	783.0	792.3	792.3
80°	508.5	553.7	597.4	633.2	667.6	694.1	717.5	737.7	750.2	759.6	759.6
82.5°	477.3	520.9	563.1	598.9	633.2	662.9	686.3	705.0	719.0	725.3	726.8
85°	441.4	489.8	528.7	567.7	600.5	628.6	652.0	672.2	684.7	691.0	694.1
87.5°	411.8	458.6	500.7	535.0	567.7	595.8	622.3	639.5	652.0	659.8	662.9
90°	383.7	428.9	471.0	505.3	539.7	566.2	591.1	608.3	622.3	628.6	631.7
92.5°	358.7	404.0	444.5	478.8	511.6	541.2	564.6	581.8	594.3	600.5	605.2
95°	335.3	379.0	418.0	455.4	486.6	513.1	538.1	555.3	569.3	574.0	578.7
97.5°	311.9	354.1	393.0	428.9	461.7	486.6	510.0	527.2	538.1	545.9	550.6
100°	291.7	332.2	369.7	404.0	435.2	458.6	483.5	499.1	510.0	516.3	522.5
102.5°	269.8	310.4	346.3	379.0	411.8	433.6	457.0	472.6	482.0	492.9	492.9
105°	251.1	288.5	324.4	355.6	383.7	410.2	430.5	446.1	457.0	464.8	464.8
107.5°	230.8	268.3	302.6	335.3	361.9	386.8	405.5	419.6	432.0	436.7	441.4
110°	215.2	248.0	282.3	313.5	338.5	361.9	380.6	396.2	407.1	411.8	414.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	196.5	230.8	262.0	291.7	316.6	338.5	357.2	369.7	380.6	386.8	388.4
115°	180.9	213.7	241.8	269.8	296.3	315.1	332.2	344.7	355.6	360.3	363.4
117.5°	166.9	196.5	224.6	248.0	273.0	293.2	310.4	321.3	330.7	336.9	340.0
120°	152.9	180.9	205.9	229.3	252.7	271.4	287.0	297.9	308.8	313.5	313.5
122.5°	138.8	165.3	188.7	210.6	232.4	249.6	266.7	276.1	285.4	290.1	290.1
125°	126.3	151.3	173.1	193.4	213.7	229.3	243.3	254.2	263.6	266.7	266.7
127.5°	113.9	137.3	157.5	176.2	193.4	209.0	223.0	234.0	241.8	244.9	244.9
130°	102.9	123.2	141.9	160.7	177.8	190.3	204.3	213.7	218.4	223.0	224.6
132.5°	92.0	110.7	127.9	143.5	160.7	173.1	184.0	193.4	198.1	202.8	204.3
135°	81.1	98.3	113.9	129.5	143.5	156.0	165.3	173.1	179.4	182.5	184.0
137.5°	68.6	87.3	101.4	113.9	129.5	138.8	149.7	154.4	160.7	163.8	163.8
140°	57.7	71.7	87.3	99.8	112.3	121.7	131.0	138.8	143.5	145.1	145.1
142.5°	46.8	59.3	71.7	87.3	98.3	106.1	115.4	121.7	124.8	126.3	127.9
145°	37.4	46.8	57.7	71.7	84.2	93.6	98.3	104.5	107.6	109.2	110.7
147.5°	28.1	37.4	46.8	56.1	68.6	78.0	82.7	88.9	92.0	93.6	93.6
150°	21.8	28.1	34.3	43.7	53.0	63.9	70.2	74.9	76.4	78.0	78.0
152.5°	15.6	21.8	26.5	32.8	39.0	48.4	57.7	60.8	62.4	63.9	63.9
155°	10.9	15.6	18.7	23.4	28.1	35.9	43.7	48.4	49.9	51.5	51.5
157.5°	7.8	10.9	12.5	17.2	20.3	23.4	29.6	37.4	39.0	39.0	39.0
160°	4.7	6.2	7.8	10.9	12.5	15.6	18.7	23.4	28.1	28.1	28.1
162.5°	3.1	4.7	4.7	6.2	6.2	9.4	10.9	12.5	17.2	18.7	18.7
165°	1.6	3.1	3.1	3.1	3.1	3.1	4.7	4.7	7.8	9.4	9.4
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6
2.5°	1475.5	1478.6	1477.1	1477.1	1477.1	1480.2	1477.1	1463.0	1466.1	1469.3	1472.4
5°	1473.9	1475.5	1475.5	1473.9	1473.9	1477.1	1473.9	1459.9	1463.0	1466.1	1467.7
7.5°	1467.7	1469.3	1469.3	1469.3	1467.7	1470.8	1466.1	1453.7	1453.7	1456.8	1458.3
10°	1459.9	1463.0	1461.5	1459.9	1459.9	1459.9	1456.8	1442.7	1442.7	1444.3	1445.9
12.5°	1450.5	1450.5	1450.5	1449.0	1447.4	1447.4	1444.3	1430.3	1428.7	1431.8	1430.3
15°	1438.1	1441.2	1438.1	1436.5	1433.4	1433.4	1428.7	1414.7	1411.5	1413.1	1411.5
17.5°	1427.1	1428.7	1425.6	1422.5	1419.3	1417.8	1413.1	1397.5	1392.8	1394.4	1391.3
20°	1416.2	1416.2	1413.1	1410.0	1405.3	1400.6	1394.4	1378.8	1371.0	1371.0	1364.8
22.5°	1402.2	1402.2	1399.1	1394.4	1389.7	1383.5	1377.2	1361.6	1349.2	1346.0	1341.4
25°	1386.6	1385.0	1383.5	1378.8	1369.4	1363.2	1357.0	1339.8	1325.8	1319.5	1311.7
27.5°	1367.9	1367.9	1363.2	1358.5	1349.2	1341.4	1333.6	1318.0	1299.2	1291.4	1280.5
30°	1347.6	1347.6	1342.9	1336.7	1327.3	1318.0	1308.6	1289.9	1271.2	1260.3	1247.8
32.5°	1327.3	1325.8	1321.1	1314.8	1305.5	1291.4	1283.7	1264.9	1243.1	1230.6	1213.5
35°	1302.4	1300.8	1296.1	1288.3	1275.9	1264.9	1252.5	1235.3	1210.3	1194.7	1176.0
37.5°	1277.4	1275.9	1272.7	1261.8	1249.3	1236.9	1221.3	1204.1	1180.7	1160.4	1141.7
40°	1252.5	1250.9	1244.7	1236.9	1221.3	1205.7	1190.1	1172.9	1148.0	1124.6	1104.3
42.5°	1225.9	1224.4	1216.6	1207.2	1190.1	1174.5	1155.8	1137.0	1112.1	1084.0	1063.7
45°	1199.4	1196.3	1188.5	1177.6	1158.9	1141.7	1123.0	1101.2	1076.2	1049.7	1023.2
47.5°	1171.4	1166.7	1158.9	1143.3	1127.7	1109.0	1087.1	1063.7	1038.8	1009.1	981.1
50°	1140.2	1137.0	1127.7	1113.6	1094.9	1076.2	1051.3	1027.9	998.2	970.1	935.8
52.5°	1110.5	1104.3	1096.5	1080.9	1062.2	1041.9	1015.4	987.3	957.7	931.2	895.3
55°	1079.3	1076.2	1065.3	1052.8	1029.4	1006.0	981.1	951.4	918.7	887.5	853.2
57.5°	1049.7	1043.5	1034.1	1016.9	996.7	973.3	946.8	915.6	879.7	846.9	809.5
60°	1020.1	1010.7	999.8	984.2	962.3	937.4	909.3	876.6	840.7	804.8	765.8
62.5°	987.3	979.5	967.0	951.4	929.6	903.1	873.4	839.1	804.8	767.4	725.3
65°	954.5	946.8	934.3	918.7	896.8	867.2	836.0	801.7	762.7	726.8	681.6
67.5°	921.8	914.0	900.0	882.8	861.0	832.9	800.1	764.3	725.3	686.3	639.5
70°	889.0	879.7	867.2	848.5	826.7	797.0	764.3	726.8	687.8	645.7	598.9
72.5°	856.3	848.5	832.9	815.7	792.3	762.7	729.9	692.5	652.0	608.3	561.5
75°	823.5	814.2	803.3	783.0	758.0	729.9	695.6	658.2	614.5	572.4	524.1
77.5°	790.8	783.0	768.9	748.7	725.3	695.6	661.3	623.9	580.2	536.5	485.1
80°	758.0	748.7	737.7	719.0	692.5	662.9	627.0	589.6	545.9	500.7	449.2
82.5°	725.3	715.9	703.4	684.7	659.8	630.1	595.8	555.3	511.6	464.8	416.4
85°	692.5	684.7	670.7	652.0	625.4	595.8	561.5	525.6	478.8	432.0	383.7
87.5°	659.8	652.0	637.9	619.2	594.3	564.6	530.3	492.9	447.6	404.0	350.9
90°	628.6	622.3	608.3	589.6	564.6	535.0	503.8	463.2	419.6	375.9	326.0
92.5°	600.5	594.3	581.8	563.1	541.2	508.5	477.3	438.3	394.6	349.4	301.0
95°	575.5	567.7	555.3	538.1	511.6	483.5	452.3	413.3	371.2	326.0	279.2
97.5°	547.5	539.7	527.2	508.5	486.6	457.0	425.8	388.4	346.3	304.1	257.4
100°	519.4	511.6	497.6	482.0	460.1	430.5	400.8	363.4	324.4	283.9	238.6
102.5°	491.3	483.5	471.0	455.4	433.6	407.1	377.5	341.6	302.6	262.0	219.9
105°	464.8	457.0	444.5	428.9	408.6	382.1	350.9	319.7	282.3	243.3	202.8
107.5°	438.3	430.5	419.6	404.0	383.7	358.7	329.1	296.3	262.0	224.6	185.6
110°	411.8	405.5	393.0	379.0	358.7	333.8	307.3	276.1	241.8	207.4	170.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	386.8	380.6	368.1	352.5	335.3	311.9	285.4	255.8	223.0	190.3	154.4
115°	361.9	354.1	343.1	329.1	311.9	290.1	265.2	238.6	205.9	174.7	141.9
117.5°	336.9	330.7	319.7	305.7	290.1	268.3	244.9	219.9	188.7	159.1	129.5
120°	311.9	307.3	296.3	283.9	268.3	248.0	226.2	201.2	173.1	145.1	117.0
122.5°	288.5	283.9	273.0	262.0	246.4	227.7	207.4	184.0	159.1	132.6	107.6
125°	266.7	260.5	251.1	240.2	226.2	209.0	188.7	166.9	143.5	120.1	96.7
127.5°	243.3	238.6	232.4	219.9	205.9	190.3	171.6	152.9	131.0	109.2	87.3
130°	224.6	218.4	210.6	201.2	188.7	173.1	156.0	137.3	118.5	98.3	76.4
132.5°	202.8	196.5	190.3	180.9	170.0	156.0	140.4	123.2	106.1	87.3	68.6
135°	182.5	177.8	171.6	162.2	151.3	140.4	124.8	109.2	93.6	76.4	60.8
137.5°	163.8	159.1	152.9	146.6	135.7	124.8	110.7	96.7	82.7	67.1	53.0
140°	145.1	141.9	135.7	129.5	120.1	109.2	96.7	84.2	71.7	57.7	45.2
142.5°	126.3	123.2	118.5	112.3	104.5	95.1	84.2	73.3	60.8	49.9	39.0
145°	109.2	107.6	102.9	96.7	90.5	81.1	71.7	62.4	51.5	42.1	31.2
147.5°	92.0	90.5	87.3	82.7	76.4	68.6	60.8	51.5	43.7	34.3	25.0
150°	76.4	74.9	73.3	67.1	63.9	56.1	49.9	42.1	35.9	26.5	20.3
152.5°	62.4	62.4	59.3	54.6	51.5	45.2	40.6	34.3	28.1	21.8	15.6
155°	49.9	48.4	46.8	43.7	40.6	35.9	31.2	26.5	21.8	15.6	10.9
157.5°	39.0	37.4	35.9	32.8	29.6	28.1	23.4	18.7	14.0	10.9	7.8
160°	28.1	26.5	25.0	23.4	21.8	18.7	15.6	12.5	9.4	6.2	4.7
162.5°	18.7	17.2	17.2	15.6	14.0	10.9	9.4	7.8	6.2	4.7	3.1
165°	9.4	9.4	7.8	7.8	6.2	4.7	4.7	4.7	3.1	3.1	1.6
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6
2.5°	1470.8	1470.8	1477.1	1475.5	1470.8	1480.2	1491.1
5°	1466.1	1466.1	1470.8	1470.8	1466.1	1475.5	1484.9
7.5°	1458.3	1456.8	1461.5	1461.5	1455.2	1463.0	1473.9
10°	1444.3	1442.7	1447.4	1447.4	1441.2	1449.0	1458.3
12.5°	1428.7	1425.6	1430.3	1428.7	1422.5	1430.3	1439.6
15°	1408.4	1406.9	1410.0	1406.9	1400.6	1408.4	1417.8
17.5°	1388.2	1383.5	1385.0	1385.0	1374.1	1381.9	1389.7
20°	1361.6	1355.4	1357.0	1355.4	1347.6	1352.3	1361.6
22.5°	1335.1	1325.8	1325.8	1324.2	1314.8	1321.1	1328.9
25°	1302.4	1291.4	1291.4	1289.9	1279.0	1283.7	1291.4
27.5°	1269.6	1258.7	1254.0	1252.5	1241.5	1241.5	1252.5
30°	1235.3	1219.7	1216.6	1211.9	1201.0	1201.0	1210.3
32.5°	1202.5	1180.7	1174.5	1168.2	1157.3	1155.8	1166.7
35°	1158.9	1141.7	1130.8	1124.6	1112.1	1109.0	1118.3
37.5°	1123.0	1101.2	1085.6	1077.8	1065.3	1060.6	1073.1
40°	1084.0	1060.6	1040.3	1035.7	1016.9	1010.7	1021.6
42.5°	1040.3	1015.4	995.1	985.7	971.7	965.5	967.0
45°	996.7	970.1	948.3	935.8	921.8	910.9	917.1
47.5°	951.4	928.0	901.5	882.8	865.6	857.8	861.0
50°	906.2	878.1	853.2	832.9	812.6	803.3	809.5
52.5°	861.0	831.3	803.3	781.4	758.0	748.7	750.2
55°	817.3	786.1	753.3	729.9	708.1	694.1	691.0
57.5°	773.6	739.3	705.0	678.5	650.4	637.9	633.2
60°	726.8	691.0	655.1	623.9	594.3	580.2	574.0
62.5°	683.2	644.2	603.6	570.9	541.2	522.5	517.8
65°	641.0	595.8	555.3	517.8	485.1	464.8	458.6
67.5°	595.8	549.0	505.3	464.8	433.6	407.1	404.0
70°	553.7	503.8	455.4	413.3	379.0	352.5	340.0
72.5°	511.6	460.1	410.2	365.0	321.3	296.3	287.0
75°	471.0	418.0	365.0	318.2	269.8	240.2	230.8
77.5°	433.6	379.0	322.9	271.4	226.2	188.7	176.2
80°	397.7	341.6	282.3	229.3	180.9	140.4	126.3
82.5°	360.3	307.3	246.4	190.3	140.4	98.3	81.1
85°	327.5	274.5	213.7	157.5	107.6	62.4	43.7
87.5°	301.0	243.3	188.7	132.6	81.1	35.9	12.5
90°	274.5	218.4	163.8	109.2	60.8	20.3	1.6
92.5°	251.1	198.1	143.5	93.6	46.8	14.0	1.6
95°	229.3	177.8	126.3	78.0	37.4	9.4	1.6
97.5°	209.0	160.7	112.3	67.1	31.2	7.8	1.6
100°	191.8	145.1	99.8	59.3	26.5	6.2	1.6
102.5°	174.7	131.0	88.9	51.5	23.4	4.7	1.6
105°	160.7	118.5	79.5	46.8	20.3	4.7	1.6
107.5°	146.6	107.6	71.7	40.6	17.2	3.1	1.6
110°	132.6	98.3	63.9	35.9	15.6	3.1	1.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	121.7	88.9	57.7	32.8	12.5	3.1	1.6
115°	110.7	79.5	51.5	28.1	10.9	1.6	1.6
117.5°	99.8	71.7	45.2	25.0	9.4	1.6	1.6
120°	90.5	63.9	40.6	21.8	7.8	1.6	1.6
122.5°	81.1	57.7	35.9	18.7	6.2	1.6	1.6
125°	73.3	51.5	31.2	15.6	4.7	1.6	1.6
127.5°	65.5	45.2	28.1	14.0	4.7	1.6	1.6
130°	57.7	40.6	23.4	10.9	3.1	1.6	1.6
132.5°	51.5	34.3	20.3	9.4	3.1	1.6	1.6
135°	45.2	29.6	17.2	6.2	3.1	1.6	1.6
137.5°	39.0	25.0	14.0	4.7	1.6	1.6	1.6
140°	32.8	21.8	10.9	4.7	1.6	1.6	1.6
142.5°	28.1	17.2	7.8	3.1	1.6	1.6	1.6
145°	21.8	14.0	6.2	3.1	1.6	1.6	1.6
147.5°	17.2	10.9	4.7	3.1	1.6	1.6	1.6
150°	12.5	7.8	4.7	1.6	1.6	1.6	1.6
152.5°	9.4	6.2	3.1	1.6	1.6	1.6	1.6
155°	6.2	4.7	3.1	1.6	1.6	1.6	1.6
157.5°	4.7	3.1	1.6	1.6	1.6	1.6	1.6
160°	3.1	1.6	1.6	1.6	1.6	1.6	1.6
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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)