

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-L935-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-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
WIDE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

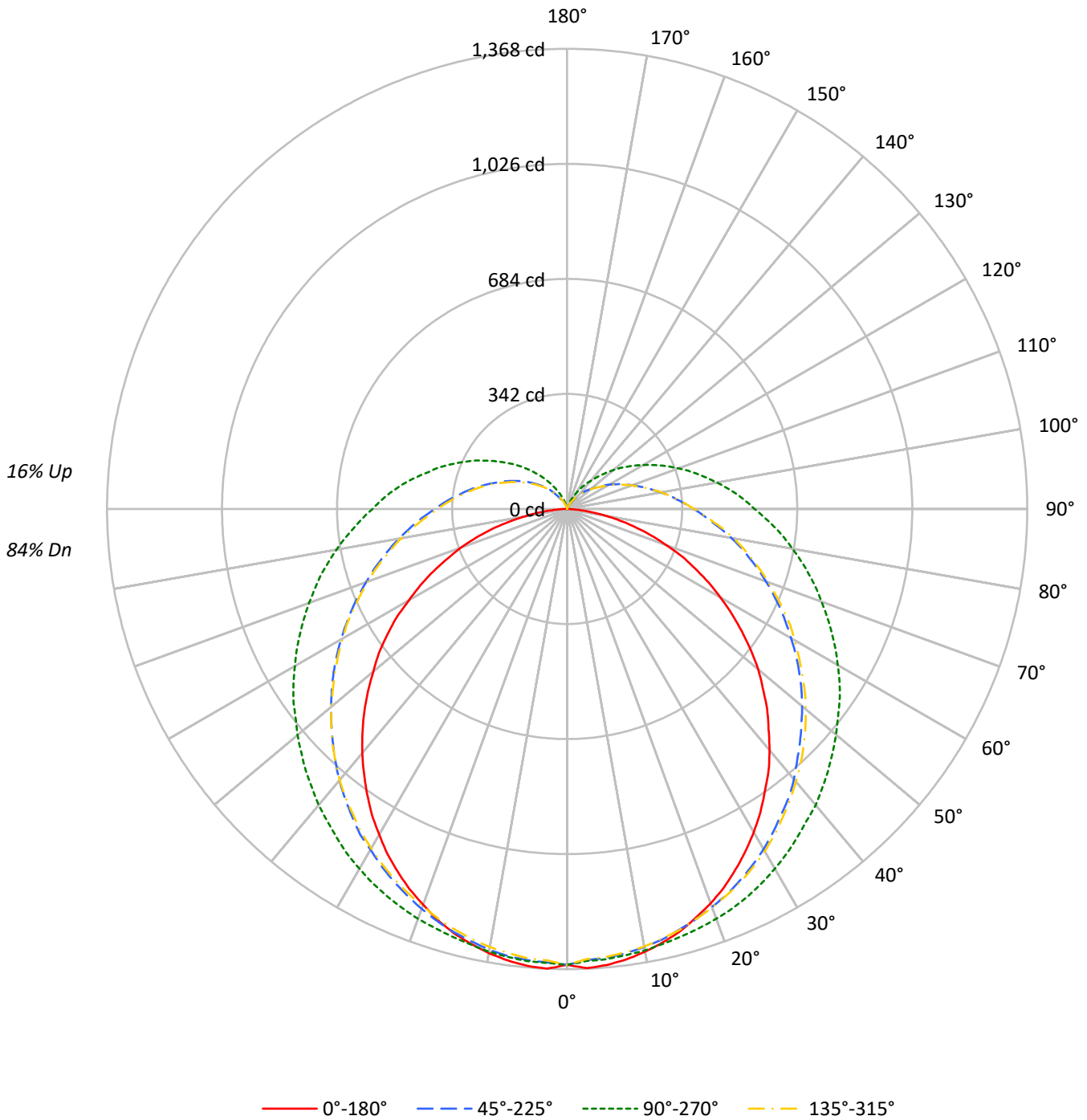
Lumens per Lamp: N/A  
Luminaire Lumens: 5887.0 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

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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### 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°	5475	5475	5475	5475
5°	5511	5276	5523	5299
10°	5468	5126	5486	5143
15°	5412	4998	5436	5003
20°	5335	4904	5353	4904
25°	5238	4821	5270	4816
30°	5129	4736	5168	4736
35°	5000	4656	5056	4662
40°	4874	4610	4934	4610
45°	4729	4561	4801	4567
50°	4578	4532	4639	4544
55°	4363	4536	4501	4556
60°	4139	4550	4273	4578
65°	3887	4595	4059	4641
70°	3530	4680	3805	4747
75°	3120	4833	3416	4926
80°	2475	5060	2811	5177
85°	1573	5423	1967	5574



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.4	2.2
10°-20°	368.9	6.3
20°-30°	565.6	9.6
30°-40°	697.8	11.9
40°-50°	757.0	12.9
50°-60°	746.2	12.7
60°-70°	674.6	11.5
70°-80°	562.0	9.5
80°-90°	435.3	7.4
90°-100°	330.1	5.6
100°-110°	244.3	4.2
110°-120°	169.9	2.9
120°-130°	108.4	1.8
130°-140°	60.8	1.0
140°-150°	27.8	0.5
150°-160°	8.6	0.1
160°-170°	1.1	0.0
170°-180°	0.0	0.0
0°-30°	1062.9	18.1
0°-40°	1760.7	29.9
0°-60°	3263.9	55.4
0°-90°	4935.9	83.8
90°-120°	744.4	12.6
90°-150°	941.4	16.0
90°-180°	951.0	16.2
0°-180°	5887.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1355	1355	1355	1355	1355	
5°	1361	1344	1364	1349	1361	129
15°	1299	1315	1305	1316	1299	366
25°	1184	1271	1191	1269	1184	545
35°	1025	1192	1036	1194	1025	642
45°	840	1098	853	1099	840	647
55°	633	989	653	993	633	567
65°	420	868	439	876	420	416
75°	212	743	232	758	212	224
85°	40	619	50	636	40	48
90°	1	557	3	579	1	2
95°	1	506	1	530	1	1
105°	1	402	1	426	1	1
115°	1	306	1	333	1	1
125°	1	220	1	244	1	1
135°	1	143	1	169	1	1
145°	1	83	1	102	1	1
155°	1	34	1	47	1	1
165°	1	6	1	9	1	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0
2.5°	1366.4	1366.4	1365.0	1362.2	1363.6	1367.9	1365.0	1357.9	1353.6	1342.2	1345.0
5°	1360.7	1360.7	1359.3	1356.4	1357.9	1363.6	1360.7	1355.0	1349.3	1339.3	1343.6
7.5°	1350.7	1350.7	1349.3	1346.4	1349.3	1355.0	1352.2	1346.4	1342.2	1332.1	1336.4
10°	1336.4	1337.9	1336.4	1332.1	1337.9	1343.6	1342.2	1335.0	1330.7	1322.1	1326.4
12.5°	1319.3	1320.7	1319.3	1317.9	1320.7	1329.3	1326.4	1320.7	1317.9	1310.7	1315.0
15°	1299.3	1300.7	1297.8	1297.8	1300.7	1309.3	1309.3	1303.6	1300.7	1293.6	1302.1
17.5°	1273.5	1275.0	1273.5	1273.5	1276.4	1285.0	1286.4	1283.5	1280.7	1277.8	1286.4
20°	1247.8	1246.4	1246.4	1245.0	1250.7	1263.5	1262.1	1262.1	1259.2	1259.2	1269.3
22.5°	1217.8	1217.8	1216.4	1216.4	1223.5	1235.0	1235.0	1237.8	1235.0	1240.7	1249.2
25°	1183.5	1184.9	1183.5	1186.4	1192.1	1204.9	1206.4	1210.7	1212.1	1217.8	1227.8
27.5°	1147.8	1149.2	1147.8	1150.6	1160.6	1170.6	1177.8	1183.5	1184.9	1193.5	1206.4
30°	1109.2	1109.2	1110.6	1113.5	1124.9	1140.6	1146.3	1153.5	1153.5	1167.8	1180.6
32.5°	1069.1	1069.1	1069.1	1074.9	1087.7	1106.3	1113.5	1122.0	1124.9	1139.2	1153.5
35°	1024.8	1026.3	1026.3	1030.6	1047.7	1066.3	1076.3	1086.3	1092.0	1109.2	1123.5
37.5°	983.4	986.2	982.0	987.7	1012.0	1027.7	1039.1	1049.1	1059.1	1082.0	1093.4
40°	936.2	939.1	937.6	949.1	969.1	989.1	1002.0	1012.0	1026.3	1049.1	1062.0
42.5°	886.2	889.0	891.9	904.8	926.2	946.2	961.9	974.8	992.0	1012.0	1033.4
45°	840.5	840.5	844.7	860.5	883.3	904.8	923.4	937.6	957.7	979.1	1000.5
47.5°	789.0	790.4	796.1	814.7	839.0	864.8	881.9	900.5	921.9	944.8	969.1
50°	741.8	741.8	750.4	770.4	793.3	821.9	840.5	861.9	884.8	911.9	936.2
52.5°	687.5	690.4	703.2	721.8	751.8	777.6	799.0	821.9	849.0	877.6	904.8
55°	633.2	638.9	648.9	674.6	706.1	730.4	756.1	784.7	810.4	841.9	873.3
57.5°	580.3	584.6	600.3	626.1	658.9	688.9	716.1	743.3	774.7	806.1	839.0
60°	526.0	531.7	550.3	576.0	611.8	643.2	674.6	703.2	736.1	769.0	803.3
62.5°	474.5	478.8	500.3	530.3	566.0	600.3	631.8	666.1	701.8	733.3	767.6
65°	420.2	427.4	451.7	478.8	520.3	554.6	590.3	627.5	664.6	698.9	731.8
67.5°	370.2	374.5	400.2	431.7	473.1	511.7	548.9	588.9	627.5	663.2	696.1
70°	311.6	325.9	351.6	384.5	428.8	468.8	508.8	550.3	591.7	628.9	660.4
72.5°	263.0	274.4	303.0	338.8	381.6	428.8	470.3	514.6	556.0	594.6	627.5
75°	211.5	223.0	255.9	295.9	340.2	390.2	433.1	478.8	521.7	560.3	594.6
77.5°	161.5	175.8	211.5	253.0	301.6	353.0	397.4	443.1	487.4	528.9	563.2
80°	115.8	131.5	170.1	217.3	264.4	315.9	364.5	410.2	454.5	496.0	531.7
82.5°	74.3	91.5	132.9	180.1	230.1	281.6	331.6	377.3	421.7	463.1	500.3
85°	40.0	58.6	101.5	148.7	198.7	250.1	300.2	348.8	391.6	430.2	470.3
87.5°	11.4	34.3	75.8	122.9	174.4	221.5	270.1	318.7	361.6	403.1	438.8
90°	1.4	20.0	57.2	101.5	151.5	197.2	245.8	291.6	334.5	375.9	411.7
92.5°	1.4	12.9	44.3	84.3	130.1	177.2	225.8	270.1	310.2	351.6	387.4
95°	1.4	10.0	35.7	71.5	114.3	158.7	204.4	247.3	288.7	327.3	363.1
97.5°	1.4	7.1	28.6	61.5	100.1	141.5	185.8	228.7	268.7	305.9	338.8
100°	1.4	5.7	22.9	52.9	87.2	127.2	167.2	208.7	247.3	283.0	317.3
102.5°	1.4	4.3	20.0	44.3	77.2	112.9	151.5	190.1	227.3	261.6	295.9
105°	1.4	4.3	17.2	38.6	68.6	101.5	137.2	174.4	208.7	241.6	273.0
107.5°	1.4	2.9	14.3	32.9	60.0	91.5	124.4	160.1	191.5	223.0	253.0
110°	1.4	2.9	11.4	30.0	52.9	81.5	112.9	145.8	175.8	205.8	234.4



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CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.4	2.9	10.0	25.7	45.7	72.9	101.5	131.5	160.1	190.1	215.8
115°	1.4	2.9	8.6	22.9	42.9	62.9	91.5	118.6	147.2	174.4	198.7
117.5°	1.4	2.9	7.1	18.6	37.2	57.2	80.0	107.2	132.9	158.7	181.5
120°	1.4	2.9	5.7	17.2	32.9	51.5	71.5	95.8	120.1	144.4	168.7
122.5°	1.4	1.4	5.7	14.3	28.6	45.7	65.7	84.3	107.2	130.1	151.5
125°	1.4	1.4	5.7	12.9	24.3	41.5	58.6	75.8	95.8	115.8	134.4
127.5°	1.4	1.4	4.3	10.0	21.4	35.7	51.5	70.0	84.3	102.9	121.5
130°	1.4	1.4	4.3	8.6	18.6	30.0	45.7	61.5	78.6	91.5	107.2
132.5°	1.4	1.4	4.3	7.1	14.3	24.3	38.6	52.9	68.6	82.9	95.8
135°	1.4	1.4	2.9	5.7	11.4	20.0	31.4	44.3	60.0	74.3	87.2
137.5°	1.4	1.4	2.9	5.7	8.6	17.2	24.3	35.7	50.0	62.9	75.8
140°	1.4	1.4	2.9	4.3	7.1	12.9	20.0	28.6	40.0	51.5	65.7
142.5°	1.4	1.4	1.4	4.3	5.7	10.0	15.7	22.9	31.4	41.5	52.9
145°	1.4	1.4	1.4	4.3	5.7	7.1	12.9	18.6	24.3	31.4	41.5
147.5°	1.4	1.4	1.4	2.9	4.3	5.7	10.0	14.3	18.6	24.3	30.0
150°	1.4	1.4	1.4	2.9	4.3	5.7	7.1	10.0	14.3	20.0	24.3
152.5°	1.4	1.4	1.4	2.9	2.9	4.3	5.7	7.1	10.0	14.3	17.2
155°	1.4	1.4	1.4	1.4	2.9	4.3	5.7	5.7	7.1	10.0	12.9
157.5°	1.4	1.4	1.4	1.4	2.9	2.9	4.3	4.3	5.7	5.7	8.6
160°	1.4	1.4	1.4	1.4	1.4	2.9	2.9	4.3	4.3	4.3	4.3
162.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9	4.3	4.3
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0
2.5°	1345.0	1346.4	1350.7	1350.7	1347.9	1347.9	1346.4	1345.0	1346.4	1349.3	1349.3
5°	1342.2	1343.6	1347.9	1349.3	1346.4	1345.0	1345.0	1343.6	1345.0	1347.9	1347.9
7.5°	1336.4	1337.9	1342.2	1343.6	1340.7	1340.7	1339.3	1337.9	1340.7	1342.2	1342.2
10°	1327.9	1329.3	1335.0	1336.4	1335.0	1333.6	1333.6	1332.1	1333.6	1336.4	1336.4
12.5°	1316.4	1319.3	1326.4	1326.4	1326.4	1325.0	1325.0	1323.6	1325.0	1327.9	1326.4
15°	1303.6	1309.3	1315.0	1317.9	1317.9	1317.9	1316.4	1315.0	1317.9	1319.3	1317.9
17.5°	1289.3	1296.4	1305.0	1307.8	1307.8	1309.3	1307.8	1306.4	1309.3	1309.3	1307.8
20°	1275.0	1282.1	1290.7	1293.6	1296.4	1297.8	1297.8	1296.4	1297.8	1299.3	1297.8
22.5°	1256.4	1265.0	1275.0	1279.3	1282.1	1285.0	1285.0	1285.0	1286.4	1287.8	1285.0
25°	1236.4	1246.4	1257.8	1262.1	1267.8	1269.3	1270.7	1270.7	1272.1	1273.5	1269.3
27.5°	1214.9	1226.4	1237.8	1245.0	1249.2	1252.1	1252.1	1253.5	1255.0	1256.4	1252.1
30°	1189.2	1206.4	1216.4	1222.1	1227.8	1232.1	1233.5	1235.0	1236.4	1237.8	1233.5
32.5°	1166.3	1180.6	1193.5	1200.6	1207.8	1213.5	1214.9	1214.9	1217.8	1217.8	1213.5
35°	1139.2	1156.3	1169.2	1176.3	1184.9	1189.2	1192.1	1192.1	1194.9	1194.9	1190.6
37.5°	1112.0	1129.2	1143.5	1152.0	1162.1	1167.8	1169.2	1169.2	1172.1	1172.1	1166.3
40°	1083.4	1102.0	1117.7	1127.7	1136.3	1143.5	1144.9	1149.2	1149.2	1147.8	1142.0
42.5°	1054.9	1072.0	1089.2	1100.6	1112.0	1119.2	1122.0	1123.5	1123.5	1122.0	1117.7
45°	1023.4	1043.4	1059.1	1073.4	1084.9	1092.0	1096.3	1097.7	1097.7	1094.9	1090.6
47.5°	993.4	1013.4	1029.1	1044.8	1056.3	1064.9	1069.1	1070.6	1069.1	1067.7	1063.4
50°	961.9	984.8	1000.5	1016.3	1027.7	1034.8	1042.0	1043.4	1042.0	1040.6	1032.0
52.5°	929.1	953.4	970.5	986.2	999.1	1007.7	1013.4	1014.8	1014.8	1012.0	1006.3
55°	896.2	917.6	939.1	956.2	970.5	979.1	986.2	989.1	986.2	983.4	976.2
57.5°	866.2	886.2	907.6	926.2	940.5	951.9	957.7	960.5	957.7	953.4	946.2
60°	830.4	851.9	876.2	893.3	909.1	920.5	923.4	929.1	926.2	921.9	914.8
62.5°	796.1	821.9	843.3	864.8	877.6	890.5	896.2	899.1	896.2	891.9	884.8
65°	760.4	789.0	810.4	831.9	846.2	859.0	866.2	867.6	864.8	860.5	853.3
67.5°	727.5	754.7	777.6	800.4	813.3	826.2	833.3	836.2	833.3	827.6	820.4
70°	694.7	721.8	749.0	766.1	781.8	796.1	800.4	804.7	801.9	796.1	787.6
72.5°	661.8	690.4	717.5	734.7	751.8	764.7	770.4	774.7	771.8	766.1	756.1
75°	627.5	657.5	684.7	703.2	720.4	733.3	739.0	743.3	740.4	734.7	723.2
77.5°	596.0	626.1	651.8	671.8	688.9	700.4	710.4	711.8	709.0	703.2	691.8
80°	563.2	593.2	620.3	640.3	657.5	668.9	676.1	680.4	677.5	671.8	660.4
82.5°	534.6	561.7	588.9	608.9	626.1	640.3	646.1	650.3	648.9	640.3	631.8
85°	503.1	534.6	556.0	577.5	594.6	608.9	613.2	618.9	617.5	610.3	598.9
87.5°	471.7	503.1	528.9	550.3	566.0	577.5	584.6	587.5	586.0	578.9	566.0
90°	446.0	474.5	500.3	523.1	536.0	548.9	556.0	557.4	557.4	548.9	538.9
92.5°	421.7	448.8	474.5	496.0	511.7	523.1	528.9	531.7	530.3	523.1	511.7
95°	394.5	424.5	448.8	470.3	486.0	497.4	503.1	506.0	504.6	497.4	486.0
97.5°	371.6	398.8	423.1	443.1	458.8	470.3	476.0	478.8	478.8	471.7	460.2
100°	348.8	375.9	398.8	418.8	433.1	444.5	450.2	451.7	450.2	444.5	433.1
102.5°	325.9	351.6	374.5	393.1	408.8	418.8	424.5	425.9	425.9	418.8	407.4
105°	303.0	328.7	350.2	370.2	383.1	393.1	397.4	401.6	400.2	394.5	383.1
107.5°	281.6	307.3	327.3	345.9	358.8	368.8	373.1	377.3	375.9	370.2	358.8
110°	261.6	285.9	304.4	323.0	334.5	344.5	351.6	353.0	350.2	344.5	334.5





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	243.0	264.4	283.0	300.2	313.0	320.2	325.9	328.7	325.9	320.2	313.0
115°	223.0	244.4	263.0	278.7	290.2	298.7	303.0	305.9	303.0	297.3	290.2
117.5°	204.4	224.4	243.0	258.7	268.7	275.9	280.2	283.0	280.2	275.9	268.7
120°	188.7	205.8	223.0	237.3	248.7	254.4	258.7	261.6	260.1	254.4	247.3
122.5°	170.1	188.7	204.4	218.7	228.7	234.4	237.3	240.1	238.7	234.4	227.3
125°	154.4	170.1	185.8	198.7	208.7	214.4	217.3	220.1	218.7	214.4	205.8
127.5°	137.2	154.4	167.2	180.1	187.2	195.8	197.2	200.1	198.7	194.4	187.2
130°	124.4	137.2	150.1	161.5	170.1	175.8	178.7	180.1	177.2	174.4	167.2
132.5°	108.6	122.9	134.4	144.4	150.1	155.8	158.7	160.1	160.1	155.8	150.1
135°	97.2	107.2	117.2	127.2	132.9	138.6	141.5	142.9	141.5	138.6	132.9
137.5°	87.2	95.8	102.9	111.5	118.6	121.5	124.4	124.4	122.9	121.5	117.2
140°	75.8	85.8	92.9	98.6	104.3	105.8	108.6	108.6	107.2	105.8	102.9
142.5°	64.3	72.9	80.0	87.2	91.5	94.3	95.8	97.2	95.8	94.3	90.0
145°	51.5	61.5	68.6	72.9	78.6	80.0	81.5	82.9	81.5	80.0	75.8
147.5°	40.0	48.6	55.7	61.5	65.7	67.2	68.6	70.0	68.6	65.7	64.3
150°	28.6	35.7	44.3	50.0	52.9	55.7	55.7	55.7	57.2	54.3	51.5
152.5°	22.9	25.7	31.4	37.2	41.5	42.9	44.3	44.3	42.9	42.9	40.0
155°	15.7	18.6	22.9	27.2	31.4	32.9	34.3	34.3	32.9	32.9	31.4
157.5°	10.0	12.9	15.7	18.6	22.9	24.3	25.7	25.7	25.7	24.3	22.9
160°	5.7	7.1	8.6	11.4	14.3	15.7	17.2	17.2	17.2	17.2	15.7
162.5°	4.3	4.3	4.3	5.7	7.1	8.6	10.0	10.0	10.0	10.0	8.6
165°	2.9	2.9	2.9	2.9	2.9	4.3	5.7	5.7	5.7	5.7	5.7
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-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0
2.5°	1347.9	1347.9	1349.3	1346.4	1337.9	1339.3	1339.3	1345.0	1347.9	1349.3	1356.4
5°	1345.0	1345.0	1347.9	1343.6	1336.4	1336.4	1336.4	1342.2	1343.6	1346.4	1352.2
7.5°	1340.7	1340.7	1342.2	1337.9	1329.3	1329.3	1327.9	1333.6	1336.4	1337.9	1343.6
10°	1333.6	1333.6	1335.0	1330.7	1320.7	1320.7	1319.3	1323.6	1325.0	1327.9	1332.1
12.5°	1323.6	1323.6	1323.6	1319.3	1309.3	1307.8	1306.4	1310.7	1310.7	1312.1	1316.4
15°	1315.0	1312.1	1312.1	1307.8	1297.8	1295.0	1292.1	1293.6	1296.4	1295.0	1297.8
17.5°	1305.0	1302.1	1299.3	1295.0	1282.1	1277.8	1275.0	1276.4	1275.0	1273.5	1276.4
20°	1293.6	1289.3	1287.8	1280.7	1267.8	1260.7	1255.0	1252.1	1253.5	1249.2	1250.7
22.5°	1280.7	1275.0	1272.1	1263.5	1250.7	1242.1	1235.0	1229.2	1227.8	1222.1	1223.5
25°	1265.0	1257.8	1253.5	1246.4	1232.1	1222.1	1213.5	1204.9	1200.6	1193.5	1192.1
27.5°	1246.4	1239.2	1233.5	1226.4	1212.1	1199.2	1189.2	1177.8	1172.1	1163.5	1159.2
30°	1227.8	1219.2	1210.7	1204.9	1189.2	1174.9	1159.2	1149.2	1140.6	1130.6	1123.5
32.5°	1204.9	1196.4	1187.8	1179.2	1164.9	1147.8	1134.9	1119.2	1109.2	1097.7	1089.2
35°	1182.1	1170.6	1162.1	1150.6	1137.8	1117.7	1102.0	1086.3	1073.4	1060.6	1050.6
37.5°	1156.3	1147.8	1134.9	1124.9	1109.2	1089.2	1072.0	1052.0	1040.6	1023.4	1010.5
40°	1132.0	1122.0	1109.2	1096.3	1080.6	1057.7	1039.1	1016.3	1003.4	983.4	970.5
42.5°	1107.7	1093.4	1080.6	1066.3	1049.1	1027.7	1004.8	982.0	964.8	946.2	927.6
45°	1080.6	1064.9	1049.1	1033.4	1016.3	994.8	970.5	946.2	924.8	907.6	884.8
47.5°	1052.0	1036.3	1017.7	1000.5	982.0	960.5	934.8	909.1	886.2	866.2	841.9
50°	1023.4	1007.7	987.7	969.1	947.7	926.2	899.1	869.0	844.7	819.0	797.6
52.5°	993.4	977.7	959.1	934.8	911.9	890.5	861.9	830.4	803.3	781.8	754.7
55°	963.4	947.7	926.2	901.9	879.0	851.9	824.7	793.3	763.3	737.5	710.4
57.5°	931.9	917.6	893.3	873.3	844.7	816.2	787.6	757.6	724.7	694.7	663.2
60°	900.5	884.8	861.9	837.6	809.0	780.4	750.4	717.5	683.2	650.3	621.8
62.5°	871.9	851.9	830.4	804.7	774.7	747.5	713.2	677.5	643.2	608.9	574.6
65°	839.0	817.6	797.6	771.8	740.4	709.0	674.6	638.9	601.8	564.6	530.3
67.5°	806.1	784.7	763.3	737.5	704.7	671.8	636.1	600.3	558.9	523.1	483.1
70°	773.3	756.1	729.0	701.8	671.8	636.1	600.3	561.7	518.9	480.3	438.8
72.5°	740.4	723.2	696.1	667.5	638.9	601.8	563.2	524.6	484.5	440.2	395.9
75°	709.0	687.5	663.2	636.1	606.0	567.4	528.9	488.8	441.7	400.2	354.5
77.5°	678.9	658.9	634.6	604.6	571.7	534.6	494.6	453.1	405.9	361.6	311.6
80°	646.1	626.1	601.8	571.7	538.9	503.1	460.2	417.4	371.6	323.0	271.6
82.5°	614.6	596.0	568.9	541.7	506.0	470.3	427.4	384.5	335.9	288.7	238.7
85°	581.7	563.2	537.4	508.8	474.5	435.9	395.9	353.0	304.4	255.9	205.8
87.5°	553.2	531.7	506.0	477.4	443.1	405.9	367.3	321.6	274.4	227.3	175.8
90°	523.1	503.1	477.4	448.8	414.5	377.3	337.3	294.4	248.7	200.1	151.5
92.5°	497.4	476.0	451.7	423.1	388.8	353.0	313.0	270.1	225.8	178.7	131.5
95°	471.7	450.2	427.4	398.8	364.5	328.7	288.7	247.3	204.4	158.7	114.3
97.5°	443.1	424.5	401.6	374.5	340.2	305.9	267.3	227.3	185.8	141.5	100.1
100°	420.2	398.8	377.3	348.8	317.3	284.4	245.8	207.3	167.2	125.8	87.2
102.5°	394.5	374.5	353.0	325.9	294.4	261.6	225.8	188.7	151.5	112.9	75.8
105°	370.2	351.6	328.7	303.0	273.0	241.6	207.3	173.0	137.2	100.1	67.2
107.5°	345.9	327.3	305.9	281.6	253.0	221.5	190.1	155.8	122.9	90.0	60.0
110°	321.6	304.4	284.4	260.1	233.0	204.4	174.4	142.9	110.1	80.0	52.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	300.2	283.0	263.0	240.1	214.4	187.2	158.7	128.6	98.6	71.5	45.7
115°	278.7	263.0	243.0	223.0	197.2	171.5	144.4	115.8	88.6	64.3	40.0
117.5°	257.3	241.6	223.0	203.0	180.1	155.8	130.1	102.9	80.0	57.2	35.7
120°	235.8	221.5	204.4	185.8	165.8	141.5	115.8	92.9	71.5	50.0	31.4
122.5°	215.8	203.0	187.2	170.1	148.7	125.8	104.3	84.3	64.3	44.3	25.7
125°	197.2	184.4	170.1	152.9	132.9	112.9	94.3	75.8	55.7	38.6	21.4
127.5°	178.7	165.8	151.5	135.8	120.1	101.5	84.3	67.2	50.0	34.3	18.6
130°	160.1	148.7	135.8	122.9	107.2	90.0	75.8	58.6	42.9	27.2	15.7
132.5°	141.5	132.9	121.5	108.6	94.3	81.5	65.7	51.5	37.2	24.3	14.3
135°	125.8	117.2	107.2	95.8	84.3	71.5	57.2	44.3	31.4	20.0	11.4
137.5°	111.5	104.3	94.3	84.3	74.3	61.5	50.0	37.2	25.7	17.2	8.6
140°	98.6	91.5	82.9	72.9	64.3	52.9	41.5	30.0	22.9	14.3	7.1
142.5°	85.8	78.6	71.5	62.9	54.3	44.3	34.3	25.7	18.6	11.4	7.1
145°	72.9	67.2	60.0	52.9	44.3	35.7	28.6	21.4	14.3	8.6	5.7
147.5°	60.0	55.7	48.6	42.9	35.7	28.6	22.9	17.2	11.4	7.1	4.3
150°	48.6	44.3	38.6	32.9	28.6	22.9	18.6	12.9	8.6	7.1	4.3
152.5°	37.2	34.3	30.0	27.2	22.9	17.2	12.9	10.0	7.1	5.7	2.9
155°	30.0	27.2	24.3	20.0	17.2	12.9	10.0	7.1	5.7	4.3	2.9
157.5°	21.4	20.0	17.2	14.3	11.4	8.6	7.1	7.1	4.3	2.9	1.4
160°	14.3	12.9	11.4	8.6	7.1	7.1	5.7	4.3	2.9	2.9	1.4
162.5°	8.6	7.1	7.1	7.1	5.7	5.7	4.3	2.9	2.9	1.4	1.4
165°	5.7	5.7	5.7	4.3	4.3	4.3	2.9	1.4	1.4	1.4	1.4
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-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0
2.5°	1356.4	1352.2	1357.9	1367.9	1369.3	1367.9	1365.0	1369.3	1375.0	1373.6	1363.6
5°	1353.6	1347.9	1353.6	1363.6	1363.6	1362.2	1360.7	1365.0	1370.7	1369.3	1360.7
7.5°	1345.0	1339.3	1345.0	1353.6	1355.0	1352.2	1352.2	1356.4	1362.2	1360.7	1353.6
10°	1333.6	1327.9	1330.7	1340.7	1343.6	1340.7	1340.7	1345.0	1352.2	1350.7	1342.2
12.5°	1316.4	1312.1	1315.0	1323.6	1326.4	1325.0	1323.6	1329.3	1336.4	1336.4	1327.9
15°	1297.8	1292.1	1295.0	1305.0	1306.4	1303.6	1305.0	1309.3	1317.9	1317.9	1310.7
17.5°	1276.4	1269.3	1273.5	1280.7	1282.1	1282.1	1282.1	1287.8	1297.8	1296.4	1290.7
20°	1252.1	1242.1	1245.0	1252.1	1255.0	1255.0	1255.0	1265.0	1272.1	1272.1	1266.4
22.5°	1223.5	1216.4	1216.4	1223.5	1227.8	1226.4	1226.4	1235.0	1245.0	1243.5	1243.5
25°	1190.6	1184.9	1182.1	1190.6	1192.1	1193.5	1196.4	1204.9	1216.4	1216.4	1217.8
27.5°	1156.3	1150.6	1149.2	1156.3	1157.8	1159.2	1162.1	1172.1	1183.5	1184.9	1187.8
30°	1123.5	1114.9	1112.0	1117.7	1120.6	1122.0	1122.0	1137.8	1147.8	1152.0	1157.8
32.5°	1084.9	1076.3	1069.1	1079.2	1080.6	1083.4	1084.9	1100.6	1112.0	1119.2	1127.7
35°	1046.3	1032.0	1029.1	1036.3	1039.1	1040.6	1043.4	1060.6	1076.3	1082.0	1093.4
37.5°	1003.4	993.4	984.8	992.0	994.8	996.3	1004.8	1020.5	1036.3	1044.8	1056.3
40°	963.4	950.5	943.4	947.7	950.5	951.9	961.9	979.1	997.7	1007.7	1022.0
42.5°	919.1	901.9	896.2	900.5	901.9	906.2	914.8	937.6	956.2	970.5	982.0
45°	874.8	861.9	849.0	853.3	854.7	857.6	870.5	894.8	914.8	931.9	944.8
47.5°	829.0	813.3	800.4	803.3	809.0	810.4	824.7	853.3	871.9	890.5	907.6
50°	783.3	761.8	751.8	751.8	754.7	761.8	780.4	809.0	829.0	850.5	869.0
52.5°	736.1	716.1	704.7	706.1	709.0	717.5	734.7	763.3	786.1	809.0	831.9
55°	688.9	667.5	656.1	653.2	656.1	667.5	687.5	717.5	740.4	767.6	791.9
57.5°	641.8	616.0	606.0	601.8	604.6	618.9	638.9	670.4	698.9	724.7	753.3
60°	590.3	570.3	553.2	543.1	550.3	568.9	590.3	623.2	653.2	681.8	713.2
62.5°	546.0	520.3	501.7	491.7	498.8	514.6	544.6	576.0	608.9	641.8	673.2
65°	496.0	470.3	448.8	438.8	446.0	464.5	494.6	528.9	564.6	597.5	634.6
67.5°	447.4	420.2	394.5	384.5	393.1	413.1	446.0	484.5	523.1	557.4	597.5
70°	400.2	370.2	343.0	335.9	341.6	368.8	400.2	438.8	478.8	518.9	560.3
72.5°	357.3	320.2	291.6	283.0	290.2	320.2	355.9	395.9	438.8	481.7	526.0
75°	307.3	273.0	241.6	231.6	240.1	267.3	311.6	354.5	400.2	446.0	487.4
77.5°	267.3	227.3	194.4	178.7	193.0	227.3	270.1	315.9	363.1	410.2	457.4
80°	225.8	184.4	148.7	131.5	147.2	184.4	227.3	277.3	330.2	377.3	420.2
82.5°	188.7	144.4	107.2	88.6	105.8	147.2	194.4	244.4	295.9	343.0	393.1
85°	154.4	108.6	70.0	50.0	74.3	111.5	161.5	213.0	265.9	314.5	363.1
87.5°	125.8	81.5	42.9	21.4	45.7	87.2	134.4	185.8	238.7	287.3	333.0
90°	102.9	58.6	22.9	2.9	27.2	65.7	111.5	161.5	211.5	261.6	307.3
92.5°	84.3	44.3	12.9	1.4	17.2	52.9	95.8	142.9	191.5	240.1	284.4
95°	70.0	34.3	8.6	1.4	12.9	41.5	81.5	127.2	173.0	220.1	264.4
97.5°	60.0	28.6	7.1	1.4	10.0	35.7	70.0	112.9	157.2	201.5	244.4
100°	51.5	22.9	5.7	1.4	8.6	30.0	61.5	100.1	141.5	184.4	225.8
102.5°	44.3	18.6	4.3	1.4	7.1	25.7	54.3	90.0	127.2	168.7	208.7
105°	38.6	15.7	4.3	1.4	5.7	22.9	48.6	80.0	117.2	154.4	193.0
107.5°	32.9	12.9	2.9	1.4	4.3	18.6	42.9	72.9	105.8	141.5	177.2
110°	28.6	11.4	2.9	1.4	4.3	17.2	37.2	65.7	95.8	128.6	162.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	24.3	8.6	2.9	1.4	2.9	14.3	32.9	58.6	87.2	117.2	150.1
115°	21.4	7.1	1.4	1.4	2.9	12.9	30.0	52.9	78.6	107.2	137.2
117.5°	17.2	5.7	1.4	1.4	1.4	10.0	25.7	47.2	71.5	98.6	125.8
120°	14.3	5.7	1.4	1.4	1.4	8.6	22.9	41.5	64.3	88.6	114.3
122.5°	12.9	4.3	1.4	1.4	1.4	7.1	20.0	37.2	57.2	80.0	104.3
125°	11.4	4.3	1.4	1.4	1.4	5.7	17.2	32.9	51.5	71.5	94.3
127.5°	8.6	4.3	1.4	1.4	1.4	4.3	15.7	28.6	45.7	64.3	84.3
130°	7.1	2.9	1.4	1.4	1.4	4.3	12.9	25.7	40.0	57.2	75.8
132.5°	5.7	2.9	1.4	1.4	1.4	2.9	10.0	20.0	34.3	50.0	67.2
135°	5.7	2.9	1.4	1.4	1.4	2.9	7.1	17.2	28.6	42.9	57.2
137.5°	5.7	1.4	1.4	1.4	1.4	2.9	5.7	12.9	22.9	34.3	47.2
140°	4.3	1.4	1.4	1.4	1.4	1.4	4.3	10.0	18.6	28.6	40.0
142.5°	4.3	1.4	1.4	1.4	1.4	1.4	4.3	7.1	14.3	22.9	31.4
145°	2.9	1.4	1.4	1.4	1.4	1.4	2.9	5.7	11.4	17.2	25.7
147.5°	2.9	1.4	1.4	1.4	1.4	1.4	2.9	4.3	8.6	14.3	20.0
150°	2.9	1.4	1.4	1.4	1.4	1.4	2.9	4.3	5.7	10.0	15.7
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	4.3	7.1	10.0
155°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	5.7	7.1
157.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	4.3	5.7
160°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	4.3
162.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0
2.5°	1359.3	1349.3	1352.2	1350.7	1353.6	1357.9	1357.9	1356.4	1356.4	1353.6	1350.7
5°	1356.4	1346.4	1350.7	1349.3	1352.2	1356.4	1356.4	1355.0	1355.0	1350.7	1349.3
7.5°	1347.9	1340.7	1343.6	1343.6	1346.4	1350.7	1350.7	1349.3	1349.3	1345.0	1343.6
10°	1339.3	1330.7	1335.0	1335.0	1337.9	1343.6	1343.6	1342.2	1342.2	1337.9	1336.4
12.5°	1325.0	1316.4	1323.6	1325.0	1327.9	1333.6	1332.1	1332.1	1332.1	1327.9	1326.4
15°	1307.8	1302.1	1309.3	1310.7	1315.0	1322.1	1322.1	1322.1	1322.1	1317.9	1316.4
17.5°	1289.3	1285.0	1292.1	1295.0	1300.7	1307.8	1307.8	1309.3	1310.7	1307.8	1306.4
20°	1267.8	1265.0	1272.1	1277.8	1286.4	1293.6	1296.4	1297.8	1300.7	1297.8	1296.4
22.5°	1243.5	1243.5	1253.5	1259.2	1269.3	1276.4	1280.7	1285.0	1287.8	1285.0	1283.5
25°	1216.4	1220.7	1230.7	1240.7	1252.1	1259.2	1263.5	1269.3	1272.1	1270.7	1269.3
27.5°	1190.6	1196.4	1209.2	1219.2	1229.2	1240.7	1245.0	1252.1	1255.0	1255.0	1253.5
30°	1160.6	1169.2	1183.5	1194.9	1207.8	1219.2	1224.9	1232.1	1236.4	1233.5	1235.0
32.5°	1132.0	1146.3	1157.8	1170.6	1184.9	1196.4	1203.5	1212.1	1216.4	1214.9	1216.4
35°	1100.6	1114.9	1130.6	1143.5	1160.6	1172.1	1182.1	1189.2	1194.9	1193.5	1193.5
37.5°	1066.3	1084.9	1100.6	1117.7	1133.5	1146.3	1156.3	1164.9	1170.6	1170.6	1170.6
40°	1033.4	1053.4	1069.1	1089.2	1109.2	1120.6	1132.0	1140.6	1146.3	1147.8	1149.2
42.5°	997.7	1019.1	1037.7	1059.1	1079.2	1093.4	1106.3	1116.3	1122.0	1124.9	1123.5
45°	964.8	984.8	1006.3	1030.6	1049.1	1063.4	1079.2	1090.6	1096.3	1097.7	1099.2
47.5°	927.6	950.5	974.8	999.1	1017.7	1036.3	1050.6	1062.0	1067.7	1072.0	1072.0
50°	891.9	916.2	943.4	969.1	989.1	1007.7	1022.0	1034.8	1042.0	1044.8	1046.3
52.5°	859.0	881.9	910.5	936.2	956.2	974.8	993.4	1007.7	1014.8	1017.7	1017.7
55°	819.0	847.6	879.0	903.3	924.8	946.2	964.8	979.1	986.2	990.5	993.4
57.5°	781.8	811.9	844.7	870.5	896.2	916.2	933.4	951.9	957.7	963.4	964.8
60°	746.1	776.1	807.6	836.2	861.9	883.3	903.3	919.1	929.1	931.9	934.8
62.5°	709.0	740.4	773.3	801.9	829.0	854.7	873.3	887.6	899.1	903.3	906.2
65°	673.2	706.1	739.0	769.0	797.6	823.3	841.9	856.2	867.6	874.8	876.2
67.5°	634.6	670.4	704.7	736.1	764.7	791.9	810.4	824.7	836.2	844.7	846.2
70°	598.9	636.1	670.4	704.7	733.3	760.4	780.4	794.7	807.6	813.3	816.2
72.5°	564.6	603.2	638.9	673.2	701.8	729.0	750.4	764.7	777.6	784.7	786.1
75°	531.7	570.3	608.9	641.8	671.8	698.9	720.4	736.1	747.5	754.7	757.6
77.5°	498.8	538.9	577.5	610.3	641.8	668.9	687.5	706.1	717.5	726.1	726.1
80°	466.0	507.4	547.4	580.3	611.8	636.1	657.5	676.1	687.5	696.1	696.1
82.5°	437.4	477.4	516.0	548.9	580.3	607.5	628.9	646.1	658.9	664.6	666.1
85°	404.5	448.8	484.5	520.3	550.3	576.0	597.5	616.0	627.5	633.2	636.1
87.5°	377.3	420.2	458.8	490.3	520.3	546.0	570.3	586.0	597.5	604.6	607.5
90°	351.6	393.1	431.7	463.1	494.6	518.9	541.7	557.4	570.3	576.0	578.9
92.5°	328.7	370.2	407.4	438.8	468.8	496.0	517.4	533.1	544.6	550.3	554.6
95°	307.3	347.3	383.1	417.4	446.0	470.3	493.1	508.8	521.7	526.0	530.3
97.5°	285.9	324.5	360.2	393.1	423.1	446.0	467.4	483.1	493.1	500.3	504.6
100°	267.3	304.4	338.8	370.2	398.8	420.2	443.1	457.4	467.4	473.1	478.8
102.5°	247.3	284.4	317.3	347.3	377.3	397.4	418.8	433.1	441.7	451.7	451.7
105°	230.1	264.4	297.3	325.9	351.6	375.9	394.5	408.8	418.8	425.9	425.9
107.5°	211.5	245.8	277.3	307.3	331.6	354.5	371.6	384.5	395.9	400.2	404.5
110°	197.2	227.3	258.7	287.3	310.2	331.6	348.8	363.1	373.1	377.3	380.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	180.1	211.5	240.1	267.3	290.2	310.2	327.3	338.8	348.8	354.5	355.9
115°	165.8	195.8	221.5	247.3	271.6	288.7	304.4	315.9	325.9	330.2	333.0
117.5°	152.9	180.1	205.8	227.3	250.1	268.7	284.4	294.4	303.0	308.7	311.6
120°	140.1	165.8	188.7	210.1	231.6	248.7	263.0	273.0	283.0	287.3	287.3
122.5°	127.2	151.5	173.0	193.0	213.0	228.7	244.4	253.0	261.6	265.9	265.9
125°	115.8	138.6	158.7	177.2	195.8	210.1	223.0	233.0	241.6	244.4	244.4
127.5°	104.3	125.8	144.4	161.5	177.2	191.5	204.4	214.4	221.5	224.4	224.4
130°	94.3	112.9	130.1	147.2	162.9	174.4	187.2	195.8	200.1	204.4	205.8
132.5°	84.3	101.5	117.2	131.5	147.2	158.7	168.7	177.2	181.5	185.8	187.2
135°	74.3	90.0	104.3	118.6	131.5	142.9	151.5	158.7	164.4	167.2	168.7
137.5°	62.9	80.0	92.9	104.3	118.6	127.2	137.2	141.5	147.2	150.1	150.1
140°	52.9	65.7	80.0	91.5	102.9	111.5	120.1	127.2	131.5	132.9	132.9
142.5°	42.9	54.3	65.7	80.0	90.0	97.2	105.8	111.5	114.3	115.8	117.2
145°	34.3	42.9	52.9	65.7	77.2	85.8	90.0	95.8	98.6	100.1	101.5
147.5°	25.7	34.3	42.9	51.5	62.9	71.5	75.8	81.5	84.3	85.8	85.8
150°	20.0	25.7	31.4	40.0	48.6	58.6	64.3	68.6	70.0	71.5	71.5
152.5°	14.3	20.0	24.3	30.0	35.7	44.3	52.9	55.7	57.2	58.6	58.6
155°	10.0	14.3	17.2	21.4	25.7	32.9	40.0	44.3	45.7	47.2	47.2
157.5°	7.1	10.0	11.4	15.7	18.6	21.4	27.2	34.3	35.7	35.7	35.7
160°	4.3	5.7	7.1	10.0	11.4	14.3	17.2	21.4	25.7	25.7	25.7
162.5°	2.9	4.3	4.3	5.7	5.7	8.6	10.0	11.4	15.7	17.2	17.2
165°	1.4	2.9	2.9	2.9	2.9	2.9	4.3	4.3	7.1	8.6	8.6
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-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0
2.5°	1352.2	1355.0	1353.6	1353.6	1353.6	1356.4	1353.6	1340.7	1343.6	1346.4	1349.3
5°	1350.7	1352.2	1352.2	1350.7	1350.7	1353.6	1350.7	1337.9	1340.7	1343.6	1345.0
7.5°	1345.0	1346.4	1346.4	1346.4	1345.0	1347.9	1343.6	1332.1	1332.1	1335.0	1336.4
10°	1337.9	1340.7	1339.3	1337.9	1337.9	1337.9	1335.0	1322.1	1322.1	1323.6	1325.0
12.5°	1329.3	1329.3	1329.3	1327.9	1326.4	1326.4	1323.6	1310.7	1309.3	1312.1	1310.7
15°	1317.9	1320.7	1317.9	1316.4	1313.6	1313.6	1309.3	1296.4	1293.6	1295.0	1293.6
17.5°	1307.8	1309.3	1306.4	1303.6	1300.7	1299.3	1295.0	1280.7	1276.4	1277.8	1275.0
20°	1297.8	1297.8	1295.0	1292.1	1287.8	1283.5	1277.8	1263.5	1256.4	1256.4	1250.7
22.5°	1285.0	1285.0	1282.1	1277.8	1273.5	1267.8	1262.1	1247.8	1236.4	1233.5	1229.2
25°	1270.7	1269.3	1267.8	1263.5	1255.0	1249.2	1243.5	1227.8	1214.9	1209.2	1202.1
27.5°	1253.5	1253.5	1249.2	1245.0	1236.4	1229.2	1222.1	1207.8	1190.6	1183.5	1173.5
30°	1235.0	1235.0	1230.7	1224.9	1216.4	1207.8	1199.2	1182.1	1164.9	1154.9	1143.5
32.5°	1216.4	1214.9	1210.7	1204.9	1196.4	1183.5	1176.3	1159.2	1139.2	1127.7	1112.0
35°	1193.5	1192.1	1187.8	1180.6	1169.2	1159.2	1147.8	1132.0	1109.2	1094.9	1077.7
37.5°	1170.6	1169.2	1166.3	1156.3	1144.9	1133.5	1119.2	1103.5	1082.0	1063.4	1046.3
40°	1147.8	1146.3	1140.6	1133.5	1119.2	1104.9	1090.6	1074.9	1052.0	1030.6	1012.0
42.5°	1123.5	1122.0	1114.9	1106.3	1090.6	1076.3	1059.1	1042.0	1019.1	993.4	974.8
45°	1099.2	1096.3	1089.2	1079.2	1062.0	1046.3	1029.1	1009.1	986.2	961.9	937.6
47.5°	1073.4	1069.1	1062.0	1047.7	1033.4	1016.3	996.3	974.8	951.9	924.8	899.1
50°	1044.8	1042.0	1033.4	1020.5	1003.4	986.2	963.4	941.9	914.8	889.0	857.6
52.5°	1017.7	1012.0	1004.8	990.5	973.4	954.8	930.5	904.8	877.6	853.3	820.4
55°	989.1	986.2	976.2	964.8	943.4	921.9	899.1	871.9	841.9	813.3	781.8
57.5°	961.9	956.2	947.7	931.9	913.3	891.9	867.6	839.0	806.1	776.1	741.8
60°	934.8	926.2	916.2	901.9	881.9	859.0	833.3	803.3	770.4	737.5	701.8
62.5°	904.8	897.6	886.2	871.9	851.9	827.6	800.4	769.0	737.5	703.2	664.6
65°	874.8	867.6	856.2	841.9	821.9	794.7	766.1	734.7	698.9	666.1	624.6
67.5°	844.7	837.6	824.7	809.0	789.0	763.3	733.3	700.4	664.6	628.9	586.0
70°	814.7	806.1	794.7	777.6	757.6	730.4	700.4	666.1	630.3	591.7	548.9
72.5°	784.7	777.6	763.3	747.5	726.1	698.9	668.9	634.6	597.5	557.4	514.6
75°	754.7	746.1	736.1	717.5	694.7	668.9	637.5	603.2	563.2	524.6	480.3
77.5°	724.7	717.5	704.7	686.1	664.6	637.5	606.0	571.7	531.7	491.7	444.5
80°	694.7	686.1	676.1	658.9	634.6	607.5	574.6	540.3	500.3	458.8	411.7
82.5°	664.6	656.1	644.6	627.5	604.6	577.5	546.0	508.8	468.8	425.9	381.6
85°	634.6	627.5	614.6	597.5	573.2	546.0	514.6	481.7	438.8	395.9	351.6
87.5°	604.6	597.5	584.6	567.4	544.6	517.4	486.0	451.7	410.2	370.2	321.6
90°	576.0	570.3	557.4	540.3	517.4	490.3	461.7	424.5	384.5	344.5	298.7
92.5°	550.3	544.6	533.1	516.0	496.0	466.0	437.4	401.6	361.6	320.2	275.9
95°	527.4	520.3	508.8	493.1	468.8	443.1	414.5	378.8	340.2	298.7	255.9
97.5°	501.7	494.6	483.1	466.0	446.0	418.8	390.2	355.9	317.3	278.7	235.8
100°	476.0	468.8	456.0	441.7	421.7	394.5	367.3	333.0	297.3	260.1	218.7
102.5°	450.2	443.1	431.7	417.4	397.4	373.1	345.9	313.0	277.3	240.1	201.5
105°	425.9	418.8	407.4	393.1	374.5	350.2	321.6	293.0	258.7	223.0	185.8
107.5°	401.6	394.5	384.5	370.2	351.6	328.7	301.6	271.6	240.1	205.8	170.1
110°	377.3	371.6	360.2	347.3	328.7	305.9	281.6	253.0	221.5	190.1	155.8





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	354.5	348.8	337.3	323.0	307.3	285.9	261.6	234.4	204.4	174.4	141.5
115°	331.6	324.5	314.5	301.6	285.9	265.9	243.0	218.7	188.7	160.1	130.1
117.5°	308.7	303.0	293.0	280.2	265.9	245.8	224.4	201.5	173.0	145.8	118.6
120°	285.9	281.6	271.6	260.1	245.8	227.3	207.3	184.4	158.7	132.9	107.2
122.5°	264.4	260.1	250.1	240.1	225.8	208.7	190.1	168.7	145.8	121.5	98.6
125°	244.4	238.7	230.1	220.1	207.3	191.5	173.0	152.9	131.5	110.1	88.6
127.5°	223.0	218.7	213.0	201.5	188.7	174.4	157.2	140.1	120.1	100.1	80.0
130°	205.8	200.1	193.0	184.4	173.0	158.7	142.9	125.8	108.6	90.0	70.0
132.5°	185.8	180.1	174.4	165.8	155.8	142.9	128.6	112.9	97.2	80.0	62.9
135°	167.2	162.9	157.2	148.7	138.6	128.6	114.3	100.1	85.8	70.0	55.7
137.5°	150.1	145.8	140.1	134.4	124.4	114.3	101.5	88.6	75.8	61.5	48.6
140°	132.9	130.1	124.4	118.6	110.1	100.1	88.6	77.2	65.7	52.9	41.5
142.5°	115.8	112.9	108.6	102.9	95.8	87.2	77.2	67.2	55.7	45.7	35.7
145°	100.1	98.6	94.3	88.6	82.9	74.3	65.7	57.2	47.2	38.6	28.6
147.5°	84.3	82.9	80.0	75.8	70.0	62.9	55.7	47.2	40.0	31.4	22.9
150°	70.0	68.6	67.2	61.5	58.6	51.5	45.7	38.6	32.9	24.3	18.6
152.5°	57.2	57.2	54.3	50.0	47.2	41.5	37.2	31.4	25.7	20.0	14.3
155°	45.7	44.3	42.9	40.0	37.2	32.9	28.6	24.3	20.0	14.3	10.0
157.5°	35.7	34.3	32.9	30.0	27.2	25.7	21.4	17.2	12.9	10.0	7.1
160°	25.7	24.3	22.9	21.4	20.0	17.2	14.3	11.4	8.6	5.7	4.3
162.5°	17.2	15.7	15.7	14.3	12.9	10.0	8.6	7.1	5.7	4.3	2.9
165°	8.6	8.6	7.1	7.1	5.7	4.3	4.3	4.3	2.9	2.9	1.4
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-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0	1355.0
2.5°	1347.9	1347.9	1353.6	1352.2	1347.9	1356.4	1366.4
5°	1343.6	1343.6	1347.9	1347.9	1343.6	1352.2	1360.7
7.5°	1336.4	1335.0	1339.3	1339.3	1333.6	1340.7	1350.7
10°	1323.6	1322.1	1326.4	1326.4	1320.7	1327.9	1336.4
12.5°	1309.3	1306.4	1310.7	1309.3	1303.6	1310.7	1319.3
15°	1290.7	1289.3	1292.1	1289.3	1283.5	1290.7	1299.3
17.5°	1272.1	1267.8	1269.3	1269.3	1259.2	1266.4	1273.5
20°	1247.8	1242.1	1243.5	1242.1	1235.0	1239.2	1247.8
22.5°	1223.5	1214.9	1214.9	1213.5	1204.9	1210.7	1217.8
25°	1193.5	1183.5	1183.5	1182.1	1172.1	1176.3	1183.5
27.5°	1163.5	1153.5	1149.2	1147.8	1137.8	1137.8	1147.8
30°	1132.0	1117.7	1114.9	1110.6	1100.6	1100.6	1109.2
32.5°	1102.0	1082.0	1076.3	1070.6	1060.6	1059.1	1069.1
35°	1062.0	1046.3	1036.3	1030.6	1019.1	1016.3	1024.8
37.5°	1029.1	1009.1	994.8	987.7	976.2	972.0	983.4
40°	993.4	972.0	953.4	949.1	931.9	926.2	936.2
42.5°	953.4	930.5	911.9	903.3	890.5	884.8	886.2
45°	913.3	889.0	869.0	857.6	844.7	834.7	840.5
47.5°	871.9	850.5	826.2	809.0	793.3	786.1	789.0
50°	830.4	804.7	781.8	763.3	744.7	736.1	741.8
52.5°	789.0	761.8	736.1	716.1	694.7	686.1	687.5
55°	749.0	720.4	690.4	668.9	648.9	636.1	633.2
57.5°	709.0	677.5	646.1	621.8	596.0	584.6	580.3
60°	666.1	633.2	600.3	571.7	544.6	531.7	526.0
62.5°	626.1	590.3	553.2	523.1	496.0	478.8	474.5
65°	587.5	546.0	508.8	474.5	444.5	425.9	420.2
67.5°	546.0	503.1	463.1	425.9	397.4	373.1	370.2
70°	507.4	461.7	417.4	378.8	347.3	323.0	311.6
72.5°	468.8	421.7	375.9	334.5	294.4	271.6	263.0
75°	431.7	383.1	334.5	291.6	247.3	220.1	211.5
77.5°	397.4	347.3	295.9	248.7	207.3	173.0	161.5
80°	364.5	313.0	258.7	210.1	165.8	128.6	115.8
82.5°	330.2	281.6	225.8	174.4	128.6	90.0	74.3
85°	300.2	251.6	195.8	144.4	98.6	57.2	40.0
87.5°	275.9	223.0	173.0	121.5	74.3	32.9	11.4
90°	251.6	200.1	150.1	100.1	55.7	18.6	1.4
92.5°	230.1	181.5	131.5	85.8	42.9	12.9	1.4
95°	210.1	162.9	115.8	71.5	34.3	8.6	1.4
97.5°	191.5	147.2	102.9	61.5	28.6	7.1	1.4
100°	175.8	132.9	91.5	54.3	24.3	5.7	1.4
102.5°	160.1	120.1	81.5	47.2	21.4	4.3	1.4
105°	147.2	108.6	72.9	42.9	18.6	4.3	1.4
107.5°	134.4	98.6	65.7	37.2	15.7	2.9	1.4
110°	121.5	90.0	58.6	32.9	14.3	2.9	1.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	111.5	81.5	52.9	30.0	11.4	2.9	1.4
115°	101.5	72.9	47.2	25.7	10.0	1.4	1.4
117.5°	91.5	65.7	41.5	22.9	8.6	1.4	1.4
120°	82.9	58.6	37.2	20.0	7.1	1.4	1.4
122.5°	74.3	52.9	32.9	17.2	5.7	1.4	1.4
125°	67.2	47.2	28.6	14.3	4.3	1.4	1.4
127.5°	60.0	41.5	25.7	12.9	4.3	1.4	1.4
130°	52.9	37.2	21.4	10.0	2.9	1.4	1.4
132.5°	47.2	31.4	18.6	8.6	2.9	1.4	1.4
135°	41.5	27.2	15.7	5.7	2.9	1.4	1.4
137.5°	35.7	22.9	12.9	4.3	1.4	1.4	1.4
140°	30.0	20.0	10.0	4.3	1.4	1.4	1.4
142.5°	25.7	15.7	7.1	2.9	1.4	1.4	1.4
145°	20.0	12.9	5.7	2.9	1.4	1.4	1.4
147.5°	15.7	10.0	4.3	2.9	1.4	1.4	1.4
150°	11.4	7.1	4.3	1.4	1.4	1.4	1.4
152.5°	8.6	5.7	2.9	1.4	1.4	1.4	1.4
155°	5.7	4.3	2.9	1.4	1.4	1.4	1.4
157.5°	4.3	2.9	1.4	1.4	1.4	1.4	1.4
160°	2.9	1.4	1.4	1.4	1.4	1.4	1.4
162.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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)