

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-LD5-61SL-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-LD5-61SL-LW-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

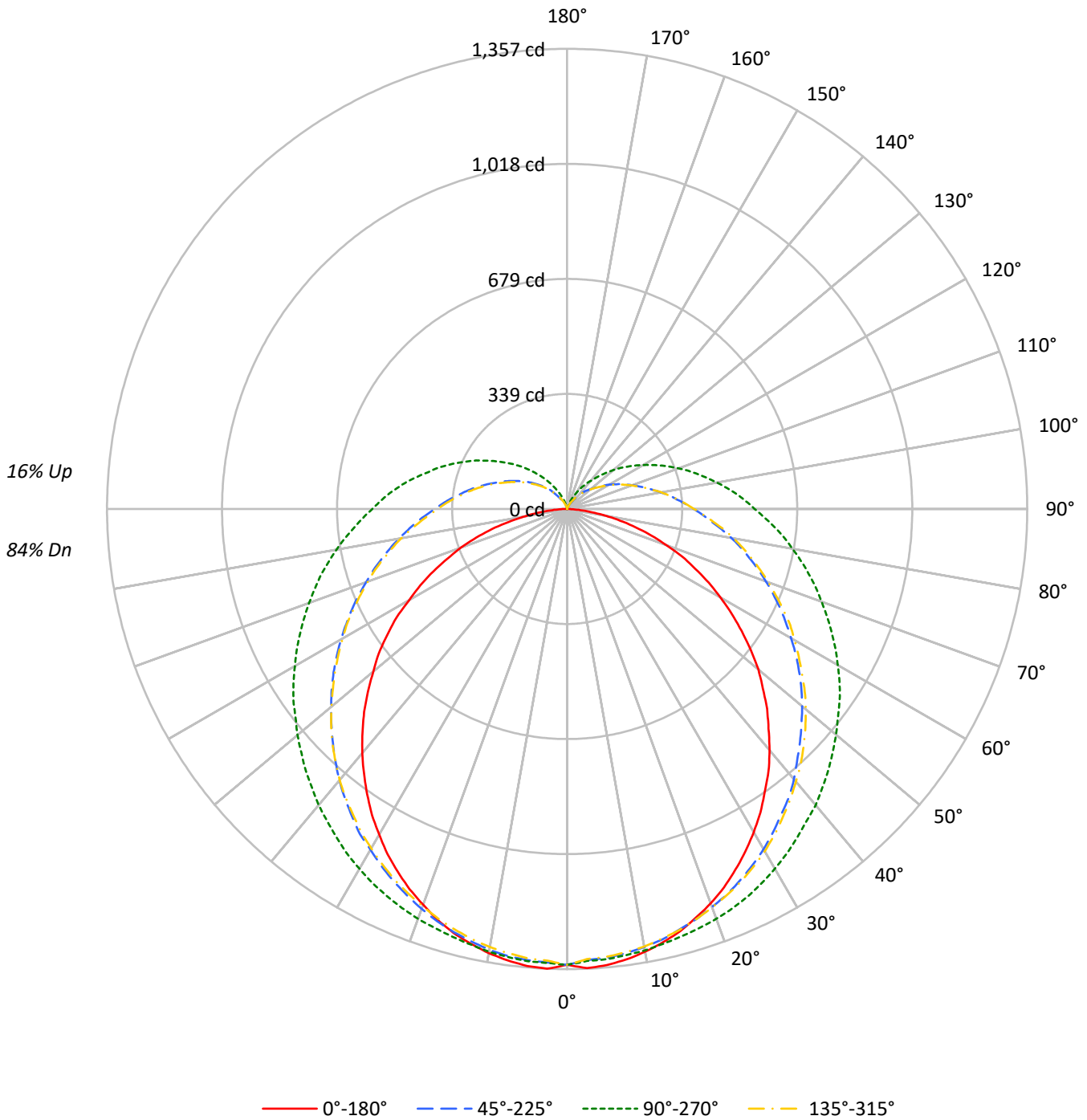
Lumens per Lamp: N/A
Luminaire Lumens: 5840.0 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 50
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-LD5-61SL-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			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°	5431	5431	5431	5431
5°	5468	5234	5479	5256
10°	5425	5085	5442	5102
15°	5369	4958	5393	4963
20°	5293	4865	5311	4865
25°	5196	4782	5228	4777
30°	5088	4698	5127	4698
35°	4961	4619	5016	4625
40°	4835	4573	4894	4573
45°	4691	4524	4763	4530
50°	4541	4495	4602	4508
55°	4328	4500	4465	4519
60°	4106	4514	4239	4541
65°	3857	4559	4027	4604
70°	3501	4643	3774	4708
75°	3096	4794	3388	4886
80°	2456	5019	2787	5135
85°	1562	5380	1951	5529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	2.2
10°-20°	366.0	6.3
20°-30°	561.1	9.6
30°-40°	692.2	11.9
40°-50°	751.0	12.9
50°-60°	740.2	12.7
60°-70°	669.2	11.5
70°-80°	557.5	9.5
80°-90°	431.8	7.4
90°-100°	327.5	5.6
100°-110°	242.4	4.1
110°-120°	168.6	2.9
120°-130°	107.6	1.8
130°-140°	60.4	1.0
140°-150°	27.6	0.5
150°-160°	8.5	0.1
160°-170°	1.1	0.0
170°-180°	0.0	0.0
0°-30°	1054.4	18.1
0°-40°	1746.6	29.9
0°-60°	3237.8	55.4
0°-90°	4896.5	83.8
90°-120°	738.4	12.6
90°-150°	933.9	16.0
90°-180°	944.0	16.2
0°-180°	5840.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1344	1344	1344	1344	1344	
5°	1350	1333	1353	1338	1350	128
15°	1289	1304	1295	1306	1289	363
25°	1174	1260	1181	1259	1174	541
35°	1017	1183	1028	1184	1017	637
45°	834	1089	846	1090	834	642
55°	628	981	648	986	628	562
65°	417	861	435	869	417	413
75°	210	737	230	752	210	222
85°	40	614	50	631	40	48
90°	1	553	3	574	1	2
95°	1	502	1	526	1	1
105°	1	398	1	422	1	1
115°	1	303	1	330	1	1
125°	1	218	1	242	1	1
135°	1	142	1	167	1	1
145°	1	82	1	101	1	1
155°	1	34	1	47	1	1
165°	1	6	1	8	1	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°	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2
2.5°	1355.5	1355.5	1354.1	1351.3	1352.7	1357.0	1354.1	1347.0	1342.8	1331.4	1334.3
5°	1349.9	1349.9	1348.5	1345.6	1347.0	1352.7	1349.9	1344.2	1338.5	1328.6	1332.9
7.5°	1339.9	1339.9	1338.5	1335.7	1338.5	1344.2	1341.4	1335.7	1331.4	1321.5	1325.8
10°	1325.8	1327.2	1325.8	1321.5	1327.2	1332.9	1331.4	1324.3	1320.1	1311.6	1315.8
12.5°	1308.7	1310.2	1308.7	1307.3	1310.2	1318.7	1315.8	1310.2	1307.3	1300.2	1304.5
15°	1288.9	1290.3	1287.5	1287.5	1290.3	1298.8	1298.8	1293.2	1290.3	1283.2	1291.7
17.5°	1263.4	1264.8	1263.4	1263.4	1266.2	1274.7	1276.1	1273.3	1270.5	1267.6	1276.1
20°	1237.9	1236.4	1236.4	1235.0	1240.7	1253.4	1252.0	1252.0	1249.2	1249.2	1259.1
22.5°	1208.1	1208.1	1206.7	1206.7	1213.7	1225.1	1225.1	1227.9	1225.1	1230.8	1239.3
25°	1174.0	1175.5	1174.0	1176.9	1182.6	1195.3	1196.7	1201.0	1202.4	1208.1	1218.0
27.5°	1138.6	1140.0	1138.6	1141.4	1151.4	1161.3	1168.4	1174.0	1175.5	1184.0	1196.7
30°	1100.3	1100.3	1101.7	1104.6	1115.9	1131.5	1137.2	1144.3	1144.3	1158.4	1171.2
32.5°	1060.6	1060.6	1060.6	1066.3	1079.0	1097.5	1104.6	1113.1	1115.9	1130.1	1144.3
35°	1016.7	1018.1	1018.1	1022.3	1039.3	1057.8	1067.7	1077.6	1083.3	1100.3	1114.5
37.5°	975.5	978.4	974.1	979.8	1003.9	1019.5	1030.8	1040.8	1050.7	1073.4	1084.7
40°	928.7	931.6	930.2	941.5	961.4	981.2	994.0	1003.9	1018.1	1040.8	1053.5
42.5°	879.1	882.0	884.8	897.5	918.8	938.7	954.3	967.0	984.0	1003.9	1025.2
45°	833.7	833.7	838.0	853.6	876.3	897.5	916.0	930.2	950.0	971.3	992.6
47.5°	782.7	784.1	789.8	808.2	832.3	857.8	874.9	893.3	914.6	937.3	961.4
50°	735.9	735.9	744.4	764.3	787.0	815.3	833.7	855.0	877.7	904.6	928.7
52.5°	682.0	684.9	697.6	716.1	745.8	771.4	792.6	815.3	842.2	870.6	897.5
55°	628.1	633.8	643.7	669.3	700.5	724.6	750.1	778.4	804.0	835.2	866.4
57.5°	575.7	579.9	595.5	621.1	653.7	683.4	710.4	737.3	768.5	799.7	832.3
60°	521.8	527.5	545.9	571.4	606.9	638.1	669.3	697.6	730.2	762.8	796.9
62.5°	470.8	475.0	496.3	526.1	561.5	595.5	626.7	660.8	696.2	727.4	761.4
65°	416.9	424.0	448.1	475.0	516.1	550.2	585.6	622.5	659.3	693.4	726.0
67.5°	367.2	371.5	397.0	428.2	469.3	507.6	544.5	584.2	622.5	657.9	690.5
70°	309.1	323.3	348.8	381.4	425.4	465.1	504.8	545.9	587.0	623.9	655.1
72.5°	260.9	272.2	300.6	336.0	378.6	425.4	466.5	510.5	551.6	589.9	622.5
75°	209.9	221.2	253.8	293.5	337.5	387.1	429.6	475.0	517.5	555.8	589.9
77.5°	160.2	174.4	209.9	251.0	299.2	350.2	394.2	439.6	483.5	524.6	558.7
80°	114.9	130.4	168.7	215.5	262.3	313.4	361.6	406.9	450.9	492.0	527.5
82.5°	73.7	90.7	131.9	178.7	228.3	279.3	329.0	374.3	418.3	459.4	496.3
85°	39.7	58.1	100.7	147.5	197.1	248.1	297.8	346.0	388.5	426.8	466.5
87.5°	11.3	34.0	75.2	121.9	173.0	219.8	268.0	316.2	358.7	399.9	435.3
90°	1.4	19.9	56.7	100.7	150.3	195.7	243.9	289.3	331.8	372.9	408.4
92.5°	1.4	12.8	44.0	83.7	129.0	175.8	224.0	268.0	307.7	348.8	384.3
95°	1.4	9.9	35.4	70.9	113.4	157.4	202.8	245.3	286.4	324.7	360.2
97.5°	1.4	7.1	28.4	61.0	99.3	140.4	184.3	226.9	266.6	303.4	336.0
100°	1.4	5.7	22.7	52.5	86.5	126.2	165.9	207.0	245.3	280.7	314.8
102.5°	1.4	4.3	19.9	44.0	76.6	112.0	150.3	188.6	225.5	259.5	293.5
105°	1.4	4.3	17.0	38.3	68.1	100.7	136.1	173.0	207.0	239.6	270.8
107.5°	1.4	2.8	14.2	32.6	59.6	90.7	123.4	158.8	190.0	221.2	251.0
110°	1.4	2.8	11.3	29.8	52.5	80.8	112.0	144.6	174.4	204.2	232.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.4	2.8	9.9	25.5	45.4	72.3	100.7	130.4	158.8	188.6	214.1
115°	1.4	2.8	8.5	22.7	42.5	62.4	90.7	117.7	146.0	173.0	197.1
117.5°	1.4	2.8	7.1	18.4	36.9	56.7	79.4	106.3	131.9	157.4	180.1
120°	1.4	2.8	5.7	17.0	32.6	51.0	70.9	95.0	119.1	143.2	167.3
122.5°	1.4	1.4	5.7	14.2	28.4	45.4	65.2	83.7	106.3	129.0	150.3
125°	1.4	1.4	5.7	12.8	24.1	41.1	58.1	75.2	95.0	114.9	133.3
127.5°	1.4	1.4	4.3	9.9	21.3	35.4	51.0	69.5	83.7	102.1	120.5
130°	1.4	1.4	4.3	8.5	18.4	29.8	45.4	61.0	78.0	90.7	106.3
132.5°	1.4	1.4	4.3	7.1	14.2	24.1	38.3	52.5	68.1	82.2	95.0
135°	1.4	1.4	2.8	5.7	11.3	19.9	31.2	44.0	59.6	73.7	86.5
137.5°	1.4	1.4	2.8	5.7	8.5	17.0	24.1	35.4	49.6	62.4	75.2
140°	1.4	1.4	2.8	4.3	7.1	12.8	19.9	28.4	39.7	51.0	65.2
142.5°	1.4	1.4	1.4	4.3	5.7	9.9	15.6	22.7	31.2	41.1	52.5
145°	1.4	1.4	1.4	4.3	5.7	7.1	12.8	18.4	24.1	31.2	41.1
147.5°	1.4	1.4	1.4	2.8	4.3	5.7	9.9	14.2	18.4	24.1	29.8
150°	1.4	1.4	1.4	2.8	4.3	5.7	7.1	9.9	14.2	19.9	24.1
152.5°	1.4	1.4	1.4	2.8	2.8	4.3	5.7	7.1	9.9	14.2	17.0
155°	1.4	1.4	1.4	1.4	2.8	4.3	5.7	5.7	7.1	9.9	12.8
157.5°	1.4	1.4	1.4	1.4	2.8	2.8	4.3	4.3	5.7	5.7	8.5
160°	1.4	1.4	1.4	1.4	1.4	2.8	2.8	4.3	4.3	4.3	4.3
162.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	4.3	4.3
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2
2.5°	1334.3	1335.7	1339.9	1339.9	1337.1	1337.1	1335.7	1334.3	1335.7	1338.5	1338.5
5°	1331.4	1332.9	1337.1	1338.5	1335.7	1334.3	1334.3	1332.9	1334.3	1337.1	1337.1
7.5°	1325.8	1327.2	1331.4	1332.9	1330.0	1330.0	1328.6	1327.2	1330.0	1331.4	1331.4
10°	1317.3	1318.7	1324.3	1325.8	1324.3	1322.9	1322.9	1321.5	1322.9	1325.8	1325.8
12.5°	1305.9	1308.7	1315.8	1315.8	1315.8	1314.4	1314.4	1313.0	1314.4	1317.3	1315.8
15°	1293.2	1298.8	1304.5	1307.3	1307.3	1307.3	1305.9	1304.5	1307.3	1308.7	1307.3
17.5°	1279.0	1286.1	1294.6	1297.4	1297.4	1298.8	1297.4	1296.0	1298.8	1298.8	1297.4
20°	1264.8	1271.9	1280.4	1283.2	1286.1	1287.5	1287.5	1286.1	1287.5	1288.9	1287.5
22.5°	1246.4	1254.9	1264.8	1269.0	1271.9	1274.7	1274.7	1274.7	1276.1	1277.6	1274.7
25°	1226.5	1236.4	1247.8	1252.0	1257.7	1259.1	1260.5	1260.5	1262.0	1263.4	1259.1
27.5°	1205.2	1216.6	1227.9	1235.0	1239.3	1242.1	1242.1	1243.5	1244.9	1246.4	1242.1
30°	1179.7	1196.7	1206.7	1212.3	1218.0	1222.3	1223.7	1225.1	1226.5	1227.9	1223.7
32.5°	1157.0	1171.2	1184.0	1191.1	1198.1	1203.8	1205.2	1205.2	1208.1	1208.1	1203.8
35°	1130.1	1147.1	1159.9	1167.0	1175.5	1179.7	1182.6	1182.6	1185.4	1185.4	1181.1
37.5°	1103.1	1120.2	1134.3	1142.9	1152.8	1158.4	1159.9	1159.9	1162.7	1162.7	1157.0
40°	1074.8	1093.2	1108.8	1118.7	1127.3	1134.3	1135.8	1140.0	1140.0	1138.6	1132.9
42.5°	1046.4	1063.4	1080.5	1091.8	1103.1	1110.2	1113.1	1114.5	1114.5	1113.1	1108.8
45°	1015.2	1035.1	1050.7	1064.9	1076.2	1083.3	1087.6	1089.0	1089.0	1086.1	1081.9
47.5°	985.5	1005.3	1020.9	1036.5	1047.8	1056.4	1060.6	1062.0	1060.6	1059.2	1054.9
50°	954.3	977.0	992.6	1008.1	1019.5	1026.6	1033.7	1035.1	1033.7	1032.3	1023.7
52.5°	921.7	945.8	962.8	978.4	991.1	999.6	1005.3	1006.7	1006.7	1003.9	998.2
55°	889.0	910.3	931.6	948.6	962.8	971.3	978.4	981.2	978.4	975.5	968.4
57.5°	859.3	879.1	900.4	918.8	933.0	944.3	950.0	952.8	950.0	945.8	938.7
60°	823.8	845.1	869.2	886.2	901.8	913.1	916.0	921.7	918.8	914.6	907.5
62.5°	789.8	815.3	836.6	857.8	870.6	883.4	889.0	891.9	889.0	884.8	877.7
65°	754.3	782.7	804.0	825.2	839.4	852.2	859.3	860.7	857.8	853.6	846.5
67.5°	721.7	748.7	771.4	794.0	806.8	819.6	826.7	829.5	826.7	821.0	813.9
70°	689.1	716.1	743.0	760.0	775.6	789.8	794.0	798.3	795.5	789.8	781.3
72.5°	656.5	684.9	711.8	728.8	745.8	758.6	764.3	768.5	765.7	760.0	750.1
75°	622.5	652.2	679.2	697.6	714.6	727.4	733.1	737.3	734.5	728.8	717.5
77.5°	591.3	621.1	646.6	666.4	683.4	694.8	704.7	706.1	703.3	697.6	686.3
80°	558.7	588.4	615.4	635.2	652.2	663.6	670.7	674.9	672.1	666.4	655.1
82.5°	530.3	557.2	584.2	604.0	621.1	635.2	640.9	645.2	643.7	635.2	626.7
85°	499.1	530.3	551.6	572.8	589.9	604.0	608.3	614.0	612.5	605.5	594.1
87.5°	467.9	499.1	524.6	545.9	561.5	572.8	579.9	582.8	581.4	574.3	561.5
90°	442.4	470.8	496.3	519.0	531.7	544.5	551.6	553.0	553.0	544.5	534.6
92.5°	418.3	445.2	470.8	492.0	507.6	519.0	524.6	527.5	526.1	519.0	507.6
95°	391.3	421.1	445.2	466.5	482.1	493.4	499.1	501.9	500.5	493.4	482.1
97.5°	368.7	395.6	419.7	439.6	455.2	466.5	472.2	475.0	475.0	467.9	456.6
100°	346.0	372.9	395.6	415.5	429.6	441.0	446.6	448.1	446.6	441.0	429.6
102.5°	323.3	348.8	371.5	389.9	405.5	415.5	421.1	422.5	422.5	415.5	404.1
105°	300.6	326.1	347.4	367.2	380.0	389.9	394.2	398.4	397.0	391.3	380.0
107.5°	279.3	304.9	324.7	343.1	355.9	365.8	370.1	374.3	372.9	367.2	355.9
110°	259.5	283.6	302.0	320.5	331.8	341.7	348.8	350.2	347.4	341.7	331.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	241.0	262.3	280.7	297.8	310.5	317.6	323.3	326.1	323.3	317.6	310.5
115°	221.2	242.5	260.9	276.5	287.8	296.3	300.6	303.4	300.6	294.9	287.8
117.5°	202.8	222.6	241.0	256.6	266.6	273.7	277.9	280.7	277.9	273.7	266.6
120°	187.2	204.2	221.2	235.4	246.7	252.4	256.6	259.5	258.1	252.4	245.3
122.5°	168.7	187.2	202.8	216.9	226.9	232.5	235.4	238.2	236.8	232.5	225.5
125°	153.1	168.7	184.3	197.1	207.0	212.7	215.5	218.4	216.9	212.7	204.2
127.5°	136.1	153.1	165.9	178.7	185.7	194.3	195.7	198.5	197.1	192.8	185.7
130°	123.4	136.1	148.9	160.2	168.7	174.4	177.2	178.7	175.8	173.0	165.9
132.5°	107.8	121.9	133.3	143.2	148.9	154.6	157.4	158.8	158.8	154.6	148.9
135°	96.4	106.3	116.3	126.2	131.9	137.5	140.4	141.8	140.4	137.5	131.9
137.5°	86.5	95.0	102.1	110.6	117.7	120.5	123.4	123.4	121.9	120.5	116.3
140°	75.2	85.1	92.2	97.8	103.5	104.9	107.8	107.8	106.3	104.9	102.1
142.5°	63.8	72.3	79.4	86.5	90.7	93.6	95.0	96.4	95.0	93.6	89.3
145°	51.0	61.0	68.1	72.3	78.0	79.4	80.8	82.2	80.8	79.4	75.2
147.5°	39.7	48.2	55.3	61.0	65.2	66.6	68.1	69.5	68.1	65.2	63.8
150°	28.4	35.4	44.0	49.6	52.5	55.3	55.3	55.3	56.7	53.9	51.0
152.5°	22.7	25.5	31.2	36.9	41.1	42.5	44.0	44.0	42.5	42.5	39.7
155°	15.6	18.4	22.7	26.9	31.2	32.6	34.0	34.0	32.6	32.6	31.2
157.5°	9.9	12.8	15.6	18.4	22.7	24.1	25.5	25.5	25.5	24.1	22.7
160°	5.7	7.1	8.5	11.3	14.2	15.6	17.0	17.0	17.0	17.0	15.6
162.5°	4.3	4.3	4.3	5.7	7.1	8.5	9.9	9.9	9.9	9.9	8.5
165°	2.8	2.8	2.8	2.8	2.8	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-LD5-61SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2
2.5°	1337.1	1337.1	1338.5	1335.7	1327.2	1328.6	1328.6	1334.3	1337.1	1338.5	1345.6
5°	1334.3	1334.3	1337.1	1332.9	1325.8	1325.8	1325.8	1331.4	1332.9	1335.7	1341.4
7.5°	1330.0	1330.0	1331.4	1327.2	1318.7	1318.7	1317.3	1322.9	1325.8	1327.2	1332.9
10°	1322.9	1322.9	1324.3	1320.1	1310.2	1310.2	1308.7	1313.0	1314.4	1317.3	1321.5
12.5°	1313.0	1313.0	1313.0	1308.7	1298.8	1297.4	1296.0	1300.2	1300.2	1301.7	1305.9
15°	1304.5	1301.7	1301.7	1297.4	1287.5	1284.6	1281.8	1283.2	1286.1	1284.6	1287.5
17.5°	1294.6	1291.7	1288.9	1284.6	1271.9	1267.6	1264.8	1266.2	1264.8	1263.4	1266.2
20°	1283.2	1279.0	1277.6	1270.5	1257.7	1250.6	1244.9	1242.1	1243.5	1239.3	1240.7
22.5°	1270.5	1264.8	1262.0	1253.4	1240.7	1232.2	1225.1	1219.4	1218.0	1212.3	1213.7
25°	1254.9	1247.8	1243.5	1236.4	1222.3	1212.3	1203.8	1195.3	1191.1	1184.0	1182.6
27.5°	1236.4	1229.3	1223.7	1216.6	1202.4	1189.6	1179.7	1168.4	1162.7	1154.2	1149.9
30°	1218.0	1209.5	1201.0	1195.3	1179.7	1165.5	1149.9	1140.0	1131.5	1121.6	1114.5
32.5°	1195.3	1186.8	1178.3	1169.8	1155.6	1138.6	1125.8	1110.2	1100.3	1089.0	1080.5
35°	1172.6	1161.3	1152.8	1141.4	1128.7	1108.8	1093.2	1077.6	1064.9	1052.1	1042.2
37.5°	1147.1	1138.6	1125.8	1115.9	1100.3	1080.5	1063.4	1043.6	1032.3	1015.2	1002.5
40°	1123.0	1113.1	1100.3	1087.6	1072.0	1049.3	1030.8	1008.1	995.4	975.5	962.8
42.5°	1098.9	1084.7	1072.0	1057.8	1040.8	1019.5	996.8	974.1	957.1	938.7	920.2
45°	1072.0	1056.4	1040.8	1025.2	1008.1	986.9	962.8	938.7	917.4	900.4	877.7
47.5°	1043.6	1028.0	1009.6	992.6	974.1	952.8	927.3	901.8	879.1	859.3	835.2
50°	1015.2	999.6	979.8	961.4	940.1	918.8	891.9	862.1	838.0	812.5	791.2
52.5°	985.5	969.9	951.4	927.3	904.6	883.4	855.0	823.8	796.9	775.6	748.7
55°	955.7	940.1	918.8	894.7	872.0	845.1	818.1	787.0	757.2	731.7	704.7
57.5°	924.5	910.3	886.2	866.4	838.0	809.6	781.3	751.5	718.9	689.1	657.9
60°	893.3	877.7	855.0	830.9	802.5	774.2	744.4	711.8	677.8	645.2	616.8
62.5°	864.9	845.1	823.8	798.3	768.5	741.6	707.5	672.1	638.1	604.0	570.0
65°	832.3	811.1	791.2	765.7	734.5	703.3	669.3	633.8	596.9	560.1	526.1
67.5°	799.7	778.4	757.2	731.7	699.0	666.4	631.0	595.5	554.4	519.0	479.3
70°	767.1	750.1	723.1	696.2	666.4	631.0	595.5	557.2	514.7	476.4	435.3
72.5°	734.5	717.5	690.5	662.2	633.8	596.9	558.7	520.4	480.7	436.7	392.8
75°	703.3	682.0	657.9	631.0	601.2	562.9	524.6	484.9	438.1	397.0	351.6
77.5°	673.5	653.7	629.6	599.8	567.2	530.3	490.6	449.5	402.7	358.7	309.1
80°	640.9	621.1	596.9	567.2	534.6	499.1	456.6	414.0	368.7	320.5	269.4
82.5°	609.7	591.3	564.3	537.4	501.9	466.5	424.0	381.4	333.2	286.4	236.8
85°	577.1	558.7	533.1	504.8	470.8	432.5	392.8	350.2	302.0	253.8	204.2
87.5°	548.7	527.5	501.9	473.6	439.6	402.7	364.4	319.0	272.2	225.5	174.4
90°	519.0	499.1	473.6	445.2	411.2	374.3	334.6	292.1	246.7	198.5	150.3
92.5°	493.4	472.2	448.1	419.7	385.7	350.2	310.5	268.0	224.0	177.2	130.4
95°	467.9	446.6	424.0	395.6	361.6	326.1	286.4	245.3	202.8	157.4	113.4
97.5°	439.6	421.1	398.4	371.5	337.5	303.4	265.2	225.5	184.3	140.4	99.3
100°	416.9	395.6	374.3	346.0	314.8	282.2	243.9	205.6	165.9	124.8	86.5
102.5°	391.3	371.5	350.2	323.3	292.1	259.5	224.0	187.2	150.3	112.0	75.2
105°	367.2	348.8	326.1	300.6	270.8	239.6	205.6	171.6	136.1	99.3	66.6
107.5°	343.1	324.7	303.4	279.3	251.0	219.8	188.6	154.6	121.9	89.3	59.6
110°	319.0	302.0	282.2	258.1	231.1	202.8	173.0	141.8	109.2	79.4	52.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	297.8	280.7	260.9	238.2	212.7	185.7	157.4	127.6	97.8	70.9	45.4
115°	276.5	260.9	241.0	221.2	195.7	170.2	143.2	114.9	87.9	63.8	39.7
117.5°	255.2	239.6	221.2	201.3	178.7	154.6	129.0	102.1	79.4	56.7	35.4
120°	234.0	219.8	202.8	184.3	164.5	140.4	114.9	92.2	70.9	49.6	31.2
122.5°	214.1	201.3	185.7	168.7	147.5	124.8	103.5	83.7	63.8	44.0	25.5
125°	195.7	182.9	168.7	151.7	131.9	112.0	93.6	75.2	55.3	38.3	21.3
127.5°	177.2	164.5	150.3	134.7	119.1	100.7	83.7	66.6	49.6	34.0	18.4
130°	158.8	147.5	134.7	121.9	106.3	89.3	75.2	58.1	42.5	26.9	15.6
132.5°	140.4	131.9	120.5	107.8	93.6	80.8	65.2	51.0	36.9	24.1	14.2
135°	124.8	116.3	106.3	95.0	83.7	70.9	56.7	44.0	31.2	19.9	11.3
137.5°	110.6	103.5	93.6	83.7	73.7	61.0	49.6	36.9	25.5	17.0	8.5
140°	97.8	90.7	82.2	72.3	63.8	52.5	41.1	29.8	22.7	14.2	7.1
142.5°	85.1	78.0	70.9	62.4	53.9	44.0	34.0	25.5	18.4	11.3	7.1
145°	72.3	66.6	59.6	52.5	44.0	35.4	28.4	21.3	14.2	8.5	5.7
147.5°	59.6	55.3	48.2	42.5	35.4	28.4	22.7	17.0	11.3	7.1	4.3
150°	48.2	44.0	38.3	32.6	28.4	22.7	18.4	12.8	8.5	7.1	4.3
152.5°	36.9	34.0	29.8	26.9	22.7	17.0	12.8	9.9	7.1	5.7	2.8
155°	29.8	26.9	24.1	19.9	17.0	12.8	9.9	7.1	5.7	4.3	2.8
157.5°	21.3	19.9	17.0	14.2	11.3	8.5	7.1	7.1	4.3	2.8	1.4
160°	14.2	12.8	11.3	8.5	7.1	7.1	5.7	4.3	2.8	2.8	1.4
162.5°	8.5	7.1	7.1	7.1	5.7	5.7	4.3	2.8	2.8	1.4	1.4
165°	5.7	5.7	5.7	4.3	4.3	4.3	2.8	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-LD5-61SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2
2.5°	1345.6	1341.4	1347.0	1357.0	1358.4	1357.0	1354.1	1358.4	1364.0	1362.6	1352.7
5°	1342.8	1337.1	1342.8	1352.7	1352.7	1351.3	1349.9	1354.1	1359.8	1358.4	1349.9
7.5°	1334.3	1328.6	1334.3	1342.8	1344.2	1341.4	1341.4	1345.6	1351.3	1349.9	1342.8
10°	1322.9	1317.3	1320.1	1330.0	1332.9	1330.0	1330.0	1334.3	1341.4	1339.9	1331.4
12.5°	1305.9	1301.7	1304.5	1313.0	1315.8	1314.4	1313.0	1318.7	1325.8	1325.8	1317.3
15°	1287.5	1281.8	1284.6	1294.6	1296.0	1293.2	1294.6	1298.8	1307.3	1307.3	1300.2
17.5°	1266.2	1259.1	1263.4	1270.5	1271.9	1271.9	1271.9	1277.6	1287.5	1286.1	1280.4
20°	1242.1	1232.2	1235.0	1242.1	1244.9	1244.9	1244.9	1254.9	1262.0	1262.0	1256.3
22.5°	1213.7	1206.7	1206.7	1213.7	1218.0	1216.6	1216.6	1225.1	1235.0	1233.6	1233.6
25°	1181.1	1175.5	1172.6	1181.1	1182.6	1184.0	1186.8	1195.3	1206.7	1206.7	1208.1
27.5°	1147.1	1141.4	1140.0	1147.1	1148.5	1149.9	1152.8	1162.7	1174.0	1175.5	1178.3
30°	1114.5	1106.0	1103.1	1108.8	1111.7	1113.1	1113.1	1128.7	1138.6	1142.9	1148.5
32.5°	1076.2	1067.7	1060.6	1070.5	1072.0	1074.8	1076.2	1091.8	1103.1	1110.2	1118.7
35°	1037.9	1023.7	1020.9	1028.0	1030.8	1032.3	1035.1	1052.1	1067.7	1073.4	1084.7
37.5°	995.4	985.5	977.0	984.0	986.9	988.3	996.8	1012.4	1028.0	1036.5	1047.8
40°	955.7	942.9	935.8	940.1	942.9	944.3	954.3	971.3	989.7	999.6	1013.8
42.5°	911.7	894.7	889.0	893.3	894.7	899.0	907.5	930.2	948.6	962.8	974.1
45°	867.8	855.0	842.2	846.5	847.9	850.8	863.5	887.6	907.5	924.5	937.3
47.5°	822.4	806.8	794.0	796.9	802.5	804.0	818.1	846.5	864.9	883.4	900.4
50°	777.0	755.8	745.8	745.8	748.7	755.8	774.2	802.5	822.4	843.7	862.1
52.5°	730.2	710.4	699.0	700.5	703.3	711.8	728.8	757.2	779.9	802.5	825.2
55°	683.4	662.2	650.8	648.0	650.8	662.2	682.0	711.8	734.5	761.4	785.5
57.5°	636.7	611.1	601.2	596.9	599.8	614.0	633.8	665.0	693.4	718.9	747.2
60°	585.6	565.8	548.7	538.8	545.9	564.3	585.6	618.2	648.0	676.4	707.5
62.5°	541.6	516.1	497.7	487.8	494.9	510.5	540.2	571.4	604.0	636.7	667.8
65°	492.0	466.5	445.2	435.3	442.4	460.8	490.6	524.6	560.1	592.7	629.6
67.5°	443.8	416.9	391.3	381.4	389.9	409.8	442.4	480.7	519.0	553.0	592.7
70°	397.0	367.2	340.3	333.2	338.9	365.8	397.0	435.3	475.0	514.7	555.8
72.5°	354.5	317.6	289.3	280.7	287.8	317.6	353.1	392.8	435.3	477.8	521.8
75°	304.9	270.8	239.6	229.7	238.2	265.2	309.1	351.6	397.0	442.4	483.5
77.5°	265.2	225.5	192.8	177.2	191.4	225.5	268.0	313.4	360.2	406.9	453.7
80°	224.0	182.9	147.5	130.4	146.0	182.9	225.5	275.1	327.5	374.3	416.9
82.5°	187.2	143.2	106.3	87.9	104.9	146.0	192.8	242.5	293.5	340.3	389.9
85°	153.1	107.8	69.5	49.6	73.7	110.6	160.2	211.3	263.7	311.9	360.2
87.5°	124.8	80.8	42.5	21.3	45.4	86.5	133.3	184.3	236.8	285.0	330.4
90°	102.1	58.1	22.7	2.8	26.9	65.2	110.6	160.2	209.9	259.5	304.9
92.5°	83.7	44.0	12.8	1.4	17.0	52.5	95.0	141.8	190.0	238.2	282.2
95°	69.5	34.0	8.5	1.4	12.8	41.1	80.8	126.2	171.6	218.4	262.3
97.5°	59.6	28.4	7.1	1.4	9.9	35.4	69.5	112.0	156.0	199.9	242.5
100°	51.0	22.7	5.7	1.4	8.5	29.8	61.0	99.3	140.4	182.9	224.0
102.5°	44.0	18.4	4.3	1.4	7.1	25.5	53.9	89.3	126.2	167.3	207.0
105°	38.3	15.6	4.3	1.4	5.7	22.7	48.2	79.4	116.3	153.1	191.4
107.5°	32.6	12.8	2.8	1.4	4.3	18.4	42.5	72.3	104.9	140.4	175.8
110°	28.4	11.3	2.8	1.4	4.3	17.0	36.9	65.2	95.0	127.6	161.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	24.1	8.5	2.8	1.4	2.8	14.2	32.6	58.1	86.5	116.3	148.9
115°	21.3	7.1	1.4	1.4	2.8	12.8	29.8	52.5	78.0	106.3	136.1
117.5°	17.0	5.7	1.4	1.4	1.4	9.9	25.5	46.8	70.9	97.8	124.8
120°	14.2	5.7	1.4	1.4	1.4	8.5	22.7	41.1	63.8	87.9	113.4
122.5°	12.8	4.3	1.4	1.4	1.4	7.1	19.9	36.9	56.7	79.4	103.5
125°	11.3	4.3	1.4	1.4	1.4	5.7	17.0	32.6	51.0	70.9	93.6
127.5°	8.5	4.3	1.4	1.4	1.4	4.3	15.6	28.4	45.4	63.8	83.7
130°	7.1	2.8	1.4	1.4	1.4	4.3	12.8	25.5	39.7	56.7	75.2
132.5°	5.7	2.8	1.4	1.4	1.4	2.8	9.9	19.9	34.0	49.6	66.6
135°	5.7	2.8	1.4	1.4	1.4	2.8	7.1	17.0	28.4	42.5	56.7
137.5°	5.7	1.4	1.4	1.4	1.4	2.8	5.7	12.8	22.7	34.0	46.8
140°	4.3	1.4	1.4	1.4	1.4	1.4	4.3	9.9	18.4	28.4	39.7
142.5°	4.3	1.4	1.4	1.4	1.4	1.4	4.3	7.1	14.2	22.7	31.2
145°	2.8	1.4	1.4	1.4	1.4	1.4	2.8	5.7	11.3	17.0	25.5
147.5°	2.8	1.4	1.4	1.4	1.4	1.4	2.8	4.3	8.5	14.2	19.9
150°	2.8	1.4	1.4	1.4	1.4	1.4	2.8	4.3	5.7	9.9	15.6
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	4.3	7.1	9.9
155°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.3	5.7	7.1
157.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	4.3	5.7
160°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	4.3
162.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
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-LD5-61SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2
2.5°	1348.5	1338.5	1341.4	1339.9	1342.8	1347.0	1347.0	1345.6	1345.6	1342.8	1339.9
5°	1345.6	1335.7	1339.9	1338.5	1341.4	1345.6	1345.6	1344.2	1344.2	1339.9	1338.5
7.5°	1337.1	1330.0	1332.9	1332.9	1335.7	1339.9	1339.9	1338.5	1338.5	1334.3	1332.9
10°	1328.6	1320.1	1324.3	1324.3	1327.2	1332.9	1332.9	1331.4	1331.4	1327.2	1325.8
12.5°	1314.4	1305.9	1313.0	1314.4	1317.3	1322.9	1321.5	1321.5	1321.5	1317.3	1315.8
15°	1297.4	1291.7	1298.8	1300.2	1304.5	1311.6	1311.6	1311.6	1311.6	1307.3	1305.9
17.5°	1279.0	1274.7	1281.8	1284.6	1290.3	1297.4	1297.4	1298.8	1300.2	1297.4	1296.0
20°	1257.7	1254.9	1262.0	1267.6	1276.1	1283.2	1286.1	1287.5	1290.3	1287.5	1286.1
22.5°	1233.6	1233.6	1243.5	1249.2	1259.1	1266.2	1270.5	1274.7	1277.6	1274.7	1273.3
25°	1206.7	1210.9	1220.8	1230.8	1242.1	1249.2	1253.4	1259.1	1262.0	1260.5	1259.1
27.5°	1181.1	1186.8	1199.6	1209.5	1219.4	1230.8	1235.0	1242.1	1244.9	1244.9	1243.5
30°	1151.4	1159.9	1174.0	1185.4	1198.1	1209.5	1215.2	1222.3	1226.5	1223.7	1225.1
32.5°	1123.0	1137.2	1148.5	1161.3	1175.5	1186.8	1193.9	1202.4	1206.7	1205.2	1206.7
35°	1091.8	1106.0	1121.6	1134.3	1151.4	1162.7	1172.6	1179.7	1185.4	1184.0	1184.0
37.5°	1057.8	1076.2	1091.8	1108.8	1124.4	1137.2	1147.1	1155.6	1161.3	1161.3	1161.3
40°	1025.2	1045.0	1060.6	1080.5	1100.3	1111.7	1123.0	1131.5	1137.2	1138.6	1140.0
42.5°	989.7	1011.0	1029.4	1050.7	1070.5	1084.7	1097.5	1107.4	1113.1	1115.9	1114.5
45°	957.1	977.0	998.2	1022.3	1040.8	1054.9	1070.5	1081.9	1087.6	1089.0	1090.4
47.5°	920.2	942.9	967.0	991.1	1009.6	1028.0	1042.2	1053.5	1059.2	1063.4	1063.4
50°	884.8	908.9	935.8	961.4	981.2	999.6	1013.8	1026.6	1033.7	1036.5	1037.9
52.5°	852.2	874.9	903.2	928.7	948.6	967.0	985.5	999.6	1006.7	1009.6	1009.6
55°	812.5	840.8	872.0	896.1	917.4	938.7	957.1	971.3	978.4	982.6	985.5
57.5°	775.6	805.4	838.0	863.5	889.0	908.9	925.9	944.3	950.0	955.7	957.1
60°	740.2	769.9	801.1	829.5	855.0	876.3	896.1	911.7	921.7	924.5	927.3
62.5°	703.3	734.5	767.1	795.5	822.4	847.9	866.4	880.5	891.9	896.1	899.0
65°	667.8	700.5	733.1	762.8	791.2	816.7	835.2	849.3	860.7	867.8	869.2
67.5°	629.6	665.0	699.0	730.2	758.6	785.5	804.0	818.1	829.5	838.0	839.4
70°	594.1	631.0	665.0	699.0	727.4	754.3	774.2	788.4	801.1	806.8	809.6
72.5°	560.1	598.4	633.8	667.8	696.2	723.1	744.4	758.6	771.4	778.4	779.9
75°	527.5	565.8	604.0	636.7	666.4	693.4	714.6	730.2	741.6	748.7	751.5
77.5°	494.9	534.6	572.8	605.5	636.7	663.6	682.0	700.5	711.8	720.3	720.3
80°	462.2	503.4	543.1	575.7	606.9	631.0	652.2	670.7	682.0	690.5	690.5
82.5°	433.9	473.6	511.9	544.5	575.7	602.6	623.9	640.9	653.7	659.3	660.8
85°	401.3	445.2	480.7	516.1	545.9	571.4	592.7	611.1	622.5	628.1	631.0
87.5°	374.3	416.9	455.2	486.3	516.1	541.6	565.8	581.4	592.7	599.8	602.6
90°	348.8	389.9	428.2	459.4	490.6	514.7	537.4	553.0	565.8	571.4	574.3
92.5°	326.1	367.2	404.1	435.3	465.1	492.0	513.3	528.9	540.2	545.9	550.2
95°	304.9	344.6	380.0	414.0	442.4	466.5	489.2	504.8	517.5	521.8	526.1
97.5°	283.6	321.9	357.3	389.9	419.7	442.4	463.7	479.3	489.2	496.3	500.5
100°	265.2	302.0	336.0	367.2	395.6	416.9	439.6	453.7	463.7	469.3	475.0
102.5°	245.3	282.2	314.8	344.6	374.3	394.2	415.5	429.6	438.1	448.1	448.1
105°	228.3	262.3	294.9	323.3	348.8	372.9	391.3	405.5	415.5	422.5	422.5
107.5°	209.9	243.9	275.1	304.9	329.0	351.6	368.7	381.4	392.8	397.0	401.3
110°	195.7	225.5	256.6	285.0	307.7	329.0	346.0	360.2	370.1	374.3	377.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	178.7	209.9	238.2	265.2	287.8	307.7	324.7	336.0	346.0	351.6	353.1
115°	164.5	194.3	219.8	245.3	269.4	286.4	302.0	313.4	323.3	327.5	330.4
117.5°	151.7	178.7	204.2	225.5	248.1	266.6	282.2	292.1	300.6	306.3	309.1
120°	139.0	164.5	187.2	208.4	229.7	246.7	260.9	270.8	280.7	285.0	285.0
122.5°	126.2	150.3	171.6	191.4	211.3	226.9	242.5	251.0	259.5	263.7	263.7
125°	114.9	137.5	157.4	175.8	194.3	208.4	221.2	231.1	239.6	242.5	242.5
127.5°	103.5	124.8	143.2	160.2	175.8	190.0	202.8	212.7	219.8	222.6	222.6
130°	93.6	112.0	129.0	146.0	161.6	173.0	185.7	194.3	198.5	202.8	204.2
132.5°	83.7	100.7	116.3	130.4	146.0	157.4	167.3	175.8	180.1	184.3	185.7
135°	73.7	89.3	103.5	117.7	130.4	141.8	150.3	157.4	163.1	165.9	167.3
137.5°	62.4	79.4	92.2	103.5	117.7	126.2	136.1	140.4	146.0	148.9	148.9
140°	52.5	65.2	79.4	90.7	102.1	110.6	119.1	126.2	130.4	131.9	131.9
142.5°	42.5	53.9	65.2	79.4	89.3	96.4	104.9	110.6	113.4	114.9	116.3
145°	34.0	42.5	52.5	65.2	76.6	85.1	89.3	95.0	97.8	99.3	100.7
147.5°	25.5	34.0	42.5	51.0	62.4	70.9	75.2	80.8	83.7	85.1	85.1
150°	19.9	25.5	31.2	39.7	48.2	58.1	63.8	68.1	69.5	70.9	70.9
152.5°	14.2	19.9	24.1	29.8	35.4	44.0	52.5	55.3	56.7	58.1	58.1
155°	9.9	14.2	17.0	21.3	25.5	32.6	39.7	44.0	45.4	46.8	46.8
157.5°	7.1	9.9	11.3	15.6	18.4	21.3	26.9	34.0	35.4	35.4	35.4
160°	4.3	5.7	7.1	9.9	11.3	14.2	17.0	21.3	25.5	25.5	25.5
162.5°	2.8	4.3	4.3	5.7	5.7	8.5	9.9	11.3	15.6	17.0	17.0
165°	1.4	2.8	2.8	2.8	2.8	2.8	4.3	4.3	7.1	8.5	8.5
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-LD5-61SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2
2.5°	1341.4	1344.2	1342.8	1342.8	1342.8	1345.6	1342.8	1330.0	1332.9	1335.7	1338.5
5°	1339.9	1341.4	1341.4	1339.9	1339.9	1342.8	1339.9	1327.2	1330.0	1332.9	1334.3
7.5°	1334.3	1335.7	1335.7	1335.7	1334.3	1337.1	1332.9	1321.5	1321.5	1324.3	1325.8
10°	1327.2	1330.0	1328.6	1327.2	1327.2	1327.2	1324.3	1311.6	1311.6	1313.0	1314.4
12.5°	1318.7	1318.7	1318.7	1317.3	1315.8	1315.8	1313.0	1300.2	1298.8	1301.7	1300.2
15°	1307.3	1310.2	1307.3	1305.9	1303.1	1303.1	1298.8	1286.1	1283.2	1284.6	1283.2
17.5°	1297.4	1298.8	1296.0	1293.2	1290.3	1288.9	1284.6	1270.5	1266.2	1267.6	1264.8
20°	1287.5	1287.5	1284.6	1281.8	1277.6	1273.3	1267.6	1253.4	1246.4	1246.4	1240.7
22.5°	1274.7	1274.7	1271.9	1267.6	1263.4	1257.7	1252.0	1237.9	1226.5	1223.7	1219.4
25°	1260.5	1259.1	1257.7	1253.4	1244.9	1239.3	1233.6	1218.0	1205.2	1199.6	1192.5
27.5°	1243.5	1243.5	1239.3	1235.0	1226.5	1219.4	1212.3	1198.1	1181.1	1174.0	1164.1
30°	1225.1	1225.1	1220.8	1215.2	1206.7	1198.1	1189.6	1172.6	1155.6	1145.7	1134.3
32.5°	1206.7	1205.2	1201.0	1195.3	1186.8	1174.0	1167.0	1149.9	1130.1	1118.7	1103.1
35°	1184.0	1182.6	1178.3	1171.2	1159.9	1149.9	1138.6	1123.0	1100.3	1086.1	1069.1
37.5°	1161.3	1159.9	1157.0	1147.1	1135.8	1124.4	1110.2	1094.6	1073.4	1054.9	1037.9
40°	1138.6	1137.2	1131.5	1124.4	1110.2	1096.1	1081.9	1066.3	1043.6	1022.3	1003.9
42.5°	1114.5	1113.1	1106.0	1097.5	1081.9	1067.7	1050.7	1033.7	1011.0	985.5	967.0
45°	1090.4	1087.6	1080.5	1070.5	1053.5	1037.9	1020.9	1001.1	978.4	954.3	930.2
47.5°	1064.9	1060.6	1053.5	1039.3	1025.2	1008.1	988.3	967.0	944.3	917.4	891.9
50°	1036.5	1033.7	1025.2	1012.4	995.4	978.4	955.7	934.4	907.5	882.0	850.8
52.5°	1009.6	1003.9	996.8	982.6	965.6	947.2	923.1	897.5	870.6	846.5	813.9
55°	981.2	978.4	968.4	957.1	935.8	914.6	891.9	864.9	835.2	806.8	775.6
57.5°	954.3	948.6	940.1	924.5	906.1	884.8	860.7	832.3	799.7	769.9	735.9
60°	927.3	918.8	908.9	894.7	874.9	852.2	826.7	796.9	764.3	731.7	696.2
62.5°	897.5	890.5	879.1	864.9	845.1	821.0	794.0	762.8	731.7	697.6	659.3
65°	867.8	860.7	849.3	835.2	815.3	788.4	760.0	728.8	693.4	660.8	619.6
67.5°	838.0	830.9	818.1	802.5	782.7	757.2	727.4	694.8	659.3	623.9	581.4
70°	808.2	799.7	788.4	771.4	751.5	724.6	694.8	660.8	625.3	587.0	544.5
72.5°	778.4	771.4	757.2	741.6	720.3	693.4	663.6	629.6	592.7	553.0	510.5
75°	748.7	740.2	730.2	711.8	689.1	663.6	632.4	598.4	558.7	520.4	476.4
77.5°	718.9	711.8	699.0	680.6	659.3	632.4	601.2	567.2	527.5	487.8	441.0
80°	689.1	680.6	670.7	653.7	629.6	602.6	570.0	536.0	496.3	455.2	408.4
82.5°	659.3	650.8	639.5	622.5	599.8	572.8	541.6	504.8	465.1	422.5	378.6
85°	629.6	622.5	609.7	592.7	568.6	541.6	510.5	477.8	435.3	392.8	348.8
87.5°	599.8	592.7	579.9	562.9	540.2	513.3	482.1	448.1	406.9	367.2	319.0
90°	571.4	565.8	553.0	536.0	513.3	486.3	458.0	421.1	381.4	341.7	296.3
92.5°	545.9	540.2	528.9	511.9	492.0	462.2	433.9	398.4	358.7	317.6	273.7
95°	523.2	516.1	504.8	489.2	465.1	439.6	411.2	375.8	337.5	296.3	253.8
97.5°	497.7	490.6	479.3	462.2	442.4	415.5	387.1	353.1	314.8	276.5	234.0
100°	472.2	465.1	452.3	438.1	418.3	391.3	364.4	330.4	294.9	258.1	216.9
102.5°	446.6	439.6	428.2	414.0	394.2	370.1	343.1	310.5	275.1	238.2	199.9
105°	422.5	415.5	404.1	389.9	371.5	347.4	319.0	290.7	256.6	221.2	184.3
107.5°	398.4	391.3	381.4	367.2	348.8	326.1	299.2	269.4	238.2	204.2	168.7
110°	374.3	368.7	357.3	344.6	326.1	303.4	279.3	251.0	219.8	188.6	154.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	351.6	346.0	334.6	320.5	304.9	283.6	259.5	232.5	202.8	173.0	140.4
115°	329.0	321.9	311.9	299.2	283.6	263.7	241.0	216.9	187.2	158.8	129.0
117.5°	306.3	300.6	290.7	277.9	263.7	243.9	222.6	199.9	171.6	144.6	117.7
120°	283.6	279.3	269.4	258.1	243.9	225.5	205.6	182.9	157.4	131.9	106.3
122.5°	262.3	258.1	248.1	238.2	224.0	207.0	188.6	167.3	144.6	120.5	97.8
125°	242.5	236.8	228.3	218.4	205.6	190.0	171.6	151.7	130.4	109.2	87.9
127.5°	221.2	216.9	211.3	199.9	187.2	173.0	156.0	139.0	119.1	99.3	79.4
130°	204.2	198.5	191.4	182.9	171.6	157.4	141.8	124.8	107.8	89.3	69.5
132.5°	184.3	178.7	173.0	164.5	154.6	141.8	127.6	112.0	96.4	79.4	62.4
135°	165.9	161.6	156.0	147.5	137.5	127.6	113.4	99.3	85.1	69.5	55.3
137.5°	148.9	144.6	139.0	133.3	123.4	113.4	100.7	87.9	75.2	61.0	48.2
140°	131.9	129.0	123.4	117.7	109.2	99.3	87.9	76.6	65.2	52.5	41.1
142.5°	114.9	112.0	107.8	102.1	95.0	86.5	76.6	66.6	55.3	45.4	35.4
145°	99.3	97.8	93.6	87.9	82.2	73.7	65.2	56.7	46.8	38.3	28.4
147.5°	83.7	82.2	79.4	75.2	69.5	62.4	55.3	46.8	39.7	31.2	22.7
150°	69.5	68.1	66.6	61.0	58.1	51.0	45.4	38.3	32.6	24.1	18.4
152.5°	56.7	56.7	53.9	49.6	46.8	41.1	36.9	31.2	25.5	19.9	14.2
155°	45.4	44.0	42.5	39.7	36.9	32.6	28.4	24.1	19.9	14.2	9.9
157.5°	35.4	34.0	32.6	29.8	26.9	25.5	21.3	17.0	12.8	9.9	7.1
160°	25.5	24.1	22.7	21.3	19.9	17.0	14.2	11.3	8.5	5.7	4.3
162.5°	17.0	15.6	15.6	14.2	12.8	9.9	8.5	7.1	5.7	4.3	2.8
165°	8.5	8.5	7.1	7.1	5.7	4.3	4.3	4.3	2.8	2.8	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-LD5-61SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2	1344.2
2.5°	1337.1	1337.1	1342.8	1341.4	1337.1	1345.6	1355.5
5°	1332.9	1332.9	1337.1	1337.1	1332.9	1341.4	1349.9
7.5°	1325.8	1324.3	1328.6	1328.6	1322.9	1330.0	1339.9
10°	1313.0	1311.6	1315.8	1315.8	1310.2	1317.3	1325.8
12.5°	1298.8	1296.0	1300.2	1298.8	1293.2	1300.2	1308.7
15°	1280.4	1279.0	1281.8	1279.0	1273.3	1280.4	1288.9
17.5°	1262.0	1257.7	1259.1	1259.1	1249.2	1256.3	1263.4
20°	1237.9	1232.2	1233.6	1232.2	1225.1	1229.3	1237.9
22.5°	1213.7	1205.2	1205.2	1203.8	1195.3	1201.0	1208.1
25°	1184.0	1174.0	1174.0	1172.6	1162.7	1167.0	1174.0
27.5°	1154.2	1144.3	1140.0	1138.6	1128.7	1128.7	1138.6
30°	1123.0	1108.8	1106.0	1101.7	1091.8	1091.8	1100.3
32.5°	1093.2	1073.4	1067.7	1062.0	1052.1	1050.7	1060.6
35°	1053.5	1037.9	1028.0	1022.3	1011.0	1008.1	1016.7
37.5°	1020.9	1001.1	986.9	979.8	968.4	964.2	975.5
40°	985.5	964.2	945.8	941.5	924.5	918.8	928.7
42.5°	945.8	923.1	904.6	896.1	883.4	877.7	879.1
45°	906.1	882.0	862.1	850.8	838.0	828.1	833.7
47.5°	864.9	843.7	819.6	802.5	787.0	779.9	782.7
50°	823.8	798.3	775.6	757.2	738.7	730.2	735.9
52.5°	782.7	755.8	730.2	710.4	689.1	680.6	682.0
55°	743.0	714.6	684.9	663.6	643.7	631.0	628.1
57.5°	703.3	672.1	640.9	616.8	591.3	579.9	575.7
60°	660.8	628.1	595.5	567.2	540.2	527.5	521.8
62.5°	621.1	585.6	548.7	519.0	492.0	475.0	470.8
65°	582.8	541.6	504.8	470.8	441.0	422.5	416.9
67.5°	541.6	499.1	459.4	422.5	394.2	370.1	367.2
70°	503.4	458.0	414.0	375.8	344.6	320.5	309.1
72.5°	465.1	418.3	372.9	331.8	292.1	269.4	260.9
75°	428.2	380.0	331.8	289.3	245.3	218.4	209.9
77.5°	394.2	344.6	293.5	246.7	205.6	171.6	160.2
80°	361.6	310.5	256.6	208.4	164.5	127.6	114.9
82.5°	327.5	279.3	224.0	173.0	127.6	89.3	73.7
85°	297.8	249.6	194.3	143.2	97.8	56.7	39.7
87.5°	273.7	221.2	171.6	120.5	73.7	32.6	11.3
90°	249.6	198.5	148.9	99.3	55.3	18.4	1.4
92.5°	228.3	180.1	130.4	85.1	42.5	12.8	1.4
95°	208.4	161.6	114.9	70.9	34.0	8.5	1.4
97.5°	190.0	146.0	102.1	61.0	28.4	7.1	1.4
100°	174.4	131.9	90.7	53.9	24.1	5.7	1.4
102.5°	158.8	119.1	80.8	46.8	21.3	4.3	1.4
105°	146.0	107.8	72.3	42.5	18.4	4.3	1.4
107.5°	133.3	97.8	65.2	36.9	15.6	2.8	1.4
110°	120.5	89.3	58.1	32.6	14.2	2.8	1.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	110.6	80.8	52.5	29.8	11.3	2.8	1.4
115°	100.7	72.3	46.8	25.5	9.9	1.4	1.4
117.5°	90.7	65.2	41.1	22.7	8.5	1.4	1.4
120°	82.2	58.1	36.9	19.9	7.1	1.4	1.4
122.5°	73.7	52.5	32.6	17.0	5.7	1.4	1.4
125°	66.6	46.8	28.4	14.2	4.3	1.4	1.4
127.5°	59.6	41.1	25.5	12.8	4.3	1.4	1.4
130°	52.5	36.9	21.3	9.9	2.8	1.4	1.4
132.5°	46.8	31.2	18.4	8.5	2.8	1.4	1.4
135°	41.1	26.9	15.6	5.7	2.8	1.4	1.4
137.5°	35.4	22.7	12.8	4.3	1.4	1.4	1.4
140°	29.8	19.9	9.9	4.3	1.4	1.4	1.4
142.5°	25.5	15.6	7.1	2.8	1.4	1.4	1.4
145°	19.9	12.8	5.7	2.8	1.4	1.4	1.4
147.5°	15.6	9.9	4.3	2.8	1.4	1.4	1.4
150°	11.3	7.1	4.3	1.4	1.4	1.4	1.4
152.5°	8.5	5.7	2.8	1.4	1.4	1.4	1.4
155°	5.7	4.3	2.8	1.4	1.4	1.4	1.4
157.5°	4.3	2.8	1.4	1.4	1.4	1.4	1.4
160°	2.8	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)