

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: **2SNLED-LD5-25SL-RW-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33525)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

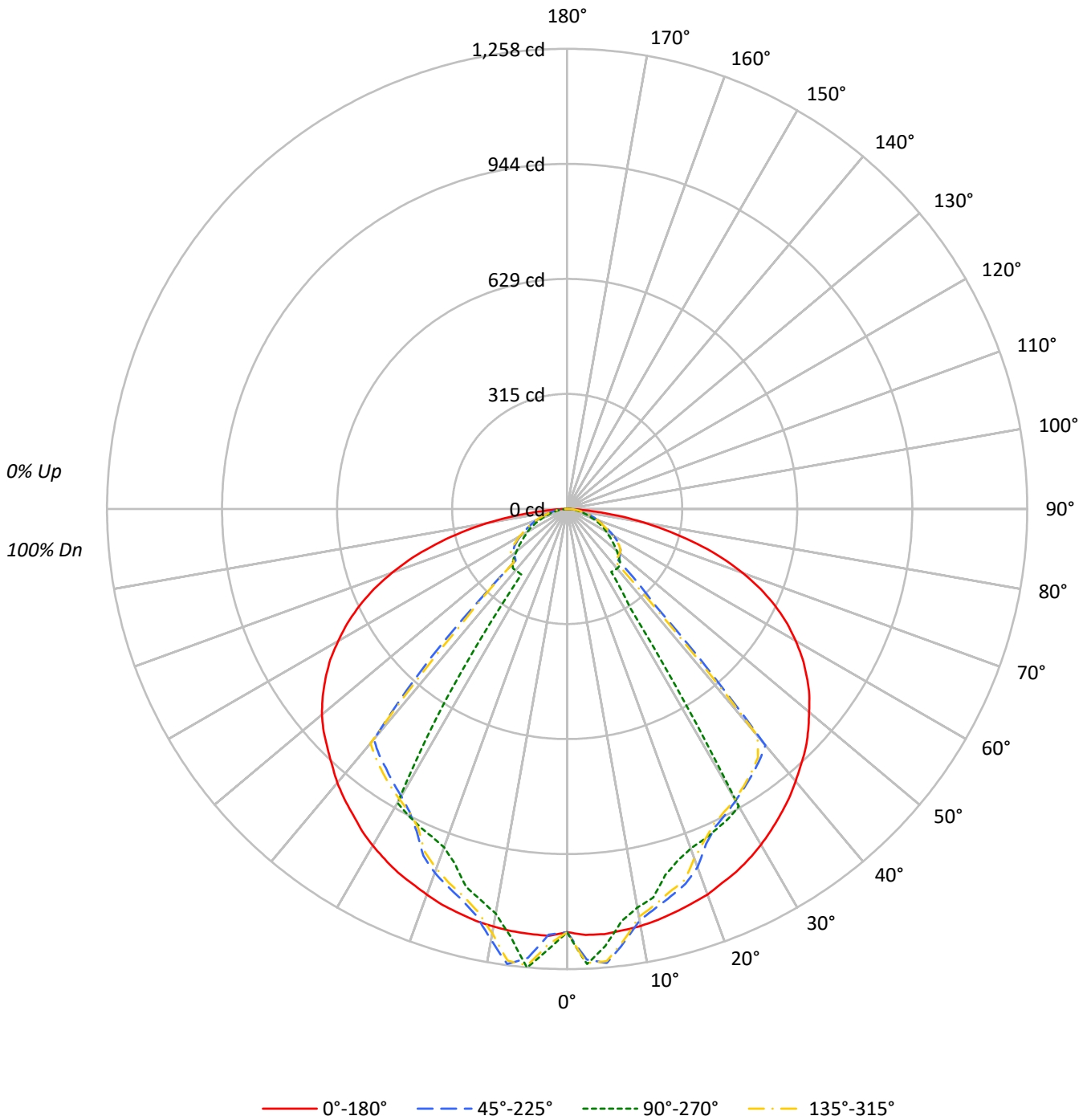
Lumens per Lamp: N/A
Luminaire Lumens: 2316.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89				87	
2	102	94	88	83	99	93	87	82	89	85	81	86	82	79	83	80	77				75	
3	94	84	77	72	91	83	76	71	80	74	70	77	73	69	75	71	67				65	
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59				57	
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53				51	
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47				46	
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	53	47	43				41	
8	66	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39				37	
9	62	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36				34	
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33				31	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18693	18693	18693	18693
5°	18824	18834	18816	19765
10°	18791	17027	18817	17289
15°	18780	15753	18823	16254
20°	18862	14943	18862	14887
25°	18965	14656	18993	14519
30°	19095	14398	19142	14228
35°	19247	3279	19287	3420
40°	19477	3409	19594	3520
45°	19851	3392	19920	3515
50°	20204	3066	20478	3150
55°	20690	2722	20855	2761
60°	21041	2419	21088	2451
65°	21181	2110	21127	2078
70°	20564	1701	20499	1640
75°	18654	1311	18785	1254
80°	14534	931	15118	851
85°	7171	557	7572	428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	4.9
10°-20°	312.9	13.5
20°-30°	463.4	20.0
30°-40°	466.9	20.2
40°-50°	364.7	15.7
50°-60°	281.7	12.2
60°-70°	189.2	8.2
70°-80°	96.5	4.2
80°-90°	26.8	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	890.1	38.4
0°-40°	1357.0	58.6
0°-60°	2003.5	86.5
0°-90°	2316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2316.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1157	1157	1157	1157	1157	
5°	1167	1199	1166	1258	1167	111
15°	1141	1036	1144	1069	1141	323
25°	1094	966	1096	957	1094	505
35°	1018	210	1020	219	1018	638
45°	923	204	926	212	923	712
55°	800	148	806	150	800	714
65°	628	100	626	98	628	618
75°	368	50	371	48	368	385
85°	66	16	70	12	66	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1165.6	1169.8	1173.0	1175.1	1176.2	1176.2	1176.7	1177.2	1184.1	1187.3	1189.4
5°	1166.6	1170.9	1177.2	1185.7	1193.1	1199.5	1204.8	1212.2	1219.6	1227.6	1230.2
7.5°	1161.9	1167.2	1179.9	1195.2	1209.6	1219.6	1226.5	1231.3	1235.0	1235.5	1238.2
10°	1157.6	1167.2	1184.6	1204.8	1222.8	1235.0	1235.0	1232.3	1236.1	1221.7	1207.4
12.5°	1150.2	1160.8	1184.6	1211.1	1228.1	1232.9	1230.8	1220.2	1198.4	1180.9	1173.0
15°	1141.2	1155.5	1185.2	1214.9	1229.2	1230.8	1210.6	1183.6	1167.2	1156.6	1143.3
17.5°	1131.1	1150.2	1185.7	1215.4	1220.7	1213.3	1175.1	1158.1	1141.2	1116.3	1098.2
20°	1121.6	1140.1	1181.5	1208.0	1211.1	1177.8	1148.1	1130.0	1101.4	1079.7	1071.7
22.5°	1106.7	1128.5	1177.8	1197.9	1185.7	1147.0	1118.4	1089.8	1063.8	1057.4	1047.9
25°	1094.5	1117.3	1169.3	1185.7	1153.4	1118.9	1085.5	1052.1	1039.9	1030.9	1022.5
27.5°	1078.1	1106.2	1158.1	1163.4	1118.9	1088.7	1039.9	1025.1	1014.0	1003.9	1000.2
30°	1060.1	1094.5	1142.8	1132.7	1090.3	1045.8	1009.7	995.9	988.0	977.4	973.2
32.5°	1039.4	1077.0	1125.8	1097.2	1059.6	1003.9	980.6	970.0	959.4	951.4	924.9
35°	1018.2	1061.7	1105.7	1063.3	1022.5	972.1	951.4	941.9	931.8	902.7	875.1
37.5°	996.5	1044.7	1081.3	1026.7	973.2	939.2	921.7	911.1	888.3	851.2	837.5
40°	971.6	1024.0	1050.0	989.1	930.2	905.8	889.4	878.8	827.4	811.0	806.7
42.5°	946.7	1003.9	1011.8	952.5	894.7	870.3	856.5	821.6	786.6	778.1	779.7
45°	922.8	982.2	970.0	900.5	857.6	837.5	814.1	765.9	747.4	751.6	752.7
47.5°	894.2	956.2	926.0	848.6	819.4	799.3	747.4	718.2	715.6	721.4	724.6
50°	863.4	927.0	879.3	801.4	778.1	754.2	695.4	680.6	683.8	689.6	693.3
52.5°	834.8	894.2	831.1	757.4	737.3	682.7	642.9	645.6	650.9	657.8	659.9
55°	799.8	854.4	779.7	712.9	693.8	622.3	604.2	610.6	615.9	621.7	626.0
57.5°	763.3	808.8	718.7	663.1	632.3	568.7	570.3	574.6	578.3	585.2	241.7
60°	721.4	756.9	652.0	617.0	556.0	526.3	527.9	535.3	539.1	301.1	166.4
62.5°	677.9	696.5	591.5	564.5	486.0	483.9	491.3	494.5	336.6	159.0	155.8
65°	628.1	624.4	532.2	489.2	438.3	440.5	448.4	432.5	148.9	148.9	147.9
67.5°	573.0	550.7	474.4	405.0	392.2	397.0	405.5	141.5	137.8	138.9	135.2
70°	509.9	478.6	414.5	342.9	347.2	351.9	136.8	128.3	126.7	124.0	116.6
72.5°	443.1	400.2	339.2	297.9	300.5	188.7	119.8	115.5	110.2	104.9	97.0
75°	368.4	312.7	249.1	249.1	252.8	107.6	104.4	97.5	91.7	84.8	80.0
77.5°	288.9	240.6	193.5	200.9	98.1	90.1	84.3	76.9	72.1	67.8	65.2
80°	211.5	168.0	145.8	130.4	76.3	68.4	62.5	58.3	56.2	53.5	50.4
82.5°	138.9	101.2	101.2	61.5	53.5	47.2	45.6	42.4	40.3	38.7	37.1
85°	66.3	58.8	44.5	37.6	33.4	30.2	29.2	27.6	27.6	27.0	26.5
87.5°	24.4	26.5	19.6	19.1	18.0	17.5	18.0	18.0	18.6	18.0	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1194.7	1199.0	1202.1	1207.4	1214.3	1220.2	1225.5	1232.9	1244.5	1247.7	1250.4
5°	1230.2	1231.8	1235.5	1239.8	1240.8	1243.5	1242.9	1246.1	1247.7	1251.4	1243.5
7.5°	1232.3	1223.9	1213.8	1204.8	1198.4	1192.6	1188.9	1194.7	1197.9	1200.5	1192.6
10°	1187.8	1177.8	1171.9	1166.6	1160.3	1151.3	1139.1	1141.7	1140.6	1140.6	1138.0
12.5°	1159.7	1145.4	1130.6	1117.3	1111.5	1111.0	1111.5	1117.3	1117.3	1116.8	1113.6
15°	1115.7	1102.0	1094.5	1091.4	1091.4	1089.8	1089.8	1096.1	1094.5	1094.5	1092.9
17.5°	1086.6	1077.0	1071.7	1068.0	1066.4	1069.1	1072.3	1074.9	1075.5	1073.3	1064.9
20°	1062.7	1053.7	1047.4	1048.4	1047.9	1049.5	1051.1	1042.1	1030.9	1016.1	1009.2
22.5°	1037.8	1030.9	1026.2	1026.2	1019.8	1009.7	994.9	991.7	990.1	983.2	977.4
25°	1014.0	1006.0	999.1	977.9	964.7	966.3	963.6	958.3	957.8	957.3	959.4
27.5°	990.1	969.4	942.9	939.8	934.5	933.9	937.1	939.8	939.8	941.9	944.5
30°	940.8	917.0	912.2	906.4	908.5	915.9	917.5	921.2	922.3	926.0	928.1
32.5°	895.8	885.2	880.9	883.6	890.5	896.8	900.5	902.1	904.8	908.0	910.6
35°	859.2	856.0	859.7	865.6	872.4	877.7	880.9	884.1	886.8	889.4	891.5
37.5°	832.2	834.3	839.6	847.0	853.9	858.1	860.8	864.5	868.2	871.4	858.7
40°	806.7	812.0	817.9	825.8	831.6	835.9	838.5	843.3	811.5	367.3	201.4
42.5°	784.5	790.3	794.5	800.9	807.3	810.4	787.1	351.4	198.8	197.7	200.4
45°	757.4	762.2	769.1	773.9	779.7	512.0	195.6	197.7	194.5	196.6	197.7
47.5°	729.9	737.3	741.0	707.1	210.4	194.5	192.4	194.5	192.4	195.1	193.5
50°	698.6	707.6	503.5	190.3	188.7	187.6	189.8	188.7	190.3	192.4	188.2
52.5°	666.8	412.9	184.5	183.4	184.5	183.4	187.1	184.5	185.0	182.9	177.6
55°	225.8	178.6	177.0	176.5	179.7	179.7	179.7	175.4	172.8	167.5	163.8
57.5°	172.8	172.8	172.3	172.8	171.7	170.7	165.9	162.2	158.5	151.1	148.9
60°	163.8	163.8	163.8	163.8	159.0	156.9	149.5	146.3	139.9	136.2	134.1
62.5°	156.4	155.3	150.5	148.9	143.6	137.8	133.6	130.4	124.0	121.9	120.3
65°	145.8	142.1	136.2	129.9	127.2	120.8	118.7	114.0	110.8	109.2	108.1
67.5°	128.3	123.0	118.2	114.0	109.2	107.1	104.4	100.7	98.6	97.5	96.5
70°	109.7	106.0	101.2	98.6	95.4	93.8	90.1	89.0	87.5	85.9	84.3
72.5°	91.7	89.6	87.5	83.7	82.7	81.6	77.9	75.8	73.7	71.6	70.5
75°	76.9	75.3	74.2	71.0	69.4	66.3	63.6	62.0	60.4	58.8	57.8
77.5°	63.1	62.0	58.8	56.7	55.7	53.0	51.9	52.5	51.4	49.3	48.2
80°	49.3	48.2	45.6	45.6	44.5	43.5	42.4	41.3	40.3	38.7	37.6
82.5°	37.6	36.6	35.5	34.5	33.4	32.9	32.3	31.3	30.2	29.2	28.6
85°	26.5	26.0	25.4	24.9	24.4	23.9	23.3	22.3	21.2	20.7	20.1
87.5°	18.0	17.5	17.0	16.4	15.9	15.4	14.8	14.3	13.3	12.7	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1250.4	1253.0	1250.4	1244.5	1240.8	1239.2	1242.4	1242.4	1244.5	1247.2	1247.7
5°	1230.8	1224.4	1217.0	1209.6	1205.8	1203.7	1197.9	1199.0	1200.5	1201.6	1202.7
7.5°	1182.0	1173.5	1163.4	1153.9	1150.2	1147.0	1140.1	1140.1	1140.1	1140.6	1143.8
10°	1132.2	1128.5	1124.2	1117.9	1113.1	1111.5	1105.7	1107.3	1106.2	1107.8	1111.5
12.5°	1108.8	1104.6	1100.9	1094.5	1089.2	1087.1	1084.5	1086.1	1085.5	1088.2	1091.4
15°	1087.6	1085.5	1081.3	1076.5	1071.7	1067.5	1058.0	1054.8	1052.7	1050.0	1053.7
17.5°	1052.7	1037.8	1027.8	1020.3	1015.0	1011.3	1008.7	1008.7	1010.3	1011.8	1015.0
20°	1005.0	1000.7	995.9	988.0	982.7	980.6	979.0	979.0	981.6	983.8	989.6
22.5°	972.1	971.6	970.0	966.3	963.6	963.6	964.1	965.2	968.9	972.1	977.9
25°	956.7	958.8	957.8	955.7	954.1	954.6	953.5	954.6	958.3	961.5	966.3
27.5°	944.5	947.7	946.7	943.5	940.8	941.9	943.5	942.4	945.6	949.3	953.0
30°	928.1	928.6	930.8	927.0	926.0	927.6	928.1	929.2	932.3	935.0	938.2
32.5°	909.6	913.8	913.3	909.6	909.6	911.1	911.7	876.2	809.9	697.5	666.8
35°	891.5	896.3	888.3	748.9	518.4	276.7	213.6	206.2	207.8	208.8	209.9
37.5°	659.4	312.7	199.3	200.9	202.5	204.1	205.7	207.2	208.8	210.4	211.0
40°	198.2	197.7	199.3	201.4	203.0	204.1	206.2	207.8	209.4	211.0	211.5
42.5°	196.1	197.2	198.8	200.9	203.0	205.1	206.7	208.8	209.9	211.0	211.5
45°	195.1	197.2	199.3	200.9	202.5	203.5	204.6	205.1	204.6	204.6	205.7
47.5°	193.5	195.6	196.1	195.6	196.1	195.6	195.6	195.6	194.0	193.5	193.5
50°	187.6	187.6	186.6	184.5	183.9	183.4	182.3	181.8	179.7	179.2	179.2
52.5°	175.4	174.9	173.3	170.7	169.6	168.6	168.0	167.5	165.4	164.3	164.8
55°	161.1	160.1	158.5	155.3	154.8	153.7	153.2	152.7	150.5	151.6	150.0
57.5°	147.9	145.8	143.6	143.1	141.0	140.5	139.9	139.4	137.8	138.3	137.3
60°	132.0	131.5	130.4	128.3	128.3	127.7	127.7	126.7	125.6	125.1	125.1
62.5°	120.3	118.7	117.7	117.7	116.1	116.1	116.1	115.0	114.0	114.5	114.0
65°	107.6	107.1	106.5	105.5	105.5	104.9	104.9	103.9	102.3	102.8	101.8
67.5°	97.0	95.9	94.9	94.3	92.2	91.2	90.6	90.1	88.0	88.5	87.5
70°	83.7	82.2	81.1	80.0	78.4	77.4	77.4	76.3	74.7	75.3	74.2
72.5°	70.0	68.9	67.8	67.3	65.7	65.2	64.7	64.1	62.5	63.1	62.5
75°	58.3	58.3	57.8	57.2	55.7	54.1	53.0	52.5	51.4	51.9	50.9
77.5°	48.2	47.2	46.1	46.1	44.5	43.5	42.4	42.4	42.4	41.9	41.3
80°	37.6	36.6	36.6	36.0	35.0	33.9	33.4	33.4	32.9	32.9	32.3
82.5°	28.6	27.6	27.0	27.0	26.0	25.4	24.9	24.4	24.4	24.4	23.9
85°	20.1	19.1	18.6	18.6	17.5	17.0	17.0	16.4	16.4	15.9	15.9
87.5°	12.2	11.7	11.1	11.1	10.1	9.5	9.5	9.5	9.0	9.0	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1247.7	1247.7	1244.0	1245.1	1243.5	1245.6	1242.9	1242.9	1246.1	1246.1	1248.2
5°	1203.2	1200.5	1200.0	1199.0	1193.7	1195.8	1193.1	1190.5	1194.2	1194.2	1199.0
7.5°	1142.2	1137.5	1139.6	1136.4	1133.2	1128.5	1130.0	1127.9	1130.6	1134.3	1139.1
10°	1111.0	1106.7	1109.4	1106.2	1107.8	1100.9	1101.4	1102.0	1104.6	1105.7	1109.9
12.5°	1090.8	1089.8	1088.7	1087.6	1088.7	1085.0	1082.9	1083.4	1084.5	1085.0	1088.2
15°	1048.4	1041.5	1043.7	1036.2	1036.8	1037.3	1033.1	1037.3	1036.8	1043.7	1050.0
17.5°	1014.0	1014.0	1010.3	1007.1	1005.0	1004.4	1001.2	1003.4	1001.2	1005.5	1007.1
20°	990.1	989.6	989.1	987.5	982.2	982.7	984.3	979.5	979.0	978.5	981.6
22.5°	979.0	979.5	977.4	977.4	972.6	973.7	974.2	968.9	969.4	967.9	969.4
25°	967.3	968.4	965.7	965.7	964.7	964.1	961.5	962.6	959.4	956.7	959.4
27.5°	953.5	955.7	953.5	954.6	952.5	951.4	949.8	948.8	945.6	945.1	946.7
30°	940.8	941.9	941.4	938.7	938.2	935.0	936.6	933.4	930.2	930.8	931.8
32.5°	482.3	460.6	355.1	320.7	317.5	329.2	390.1	474.9	615.4	751.6	849.7
35°	210.4	210.4	210.4	209.9	209.9	209.4	208.8	208.3	207.8	207.2	206.7
37.5°	211.5	211.5	211.5	211.5	211.0	210.4	210.4	209.4	208.8	208.3	207.8
40°	212.0	212.5	212.5	212.5	212.0	212.0	211.5	210.4	209.9	208.8	207.8
42.5°	211.5	212.0	212.0	211.5	211.5	211.0	211.0	210.4	209.9	209.4	208.8
45°	204.6	205.1	204.1	204.1	203.5	203.5	203.5	203.5	203.5	204.1	204.1
47.5°	192.4	192.4	191.9	191.3	191.3	190.8	191.3	190.8	191.9	192.4	193.5
50°	178.1	178.1	177.0	176.5	176.5	176.5	176.5	177.0	177.6	178.6	179.7
52.5°	163.3	163.3	162.7	162.2	161.7	161.7	163.3	162.7	163.3	163.8	165.4
55°	148.9	149.5	148.4	148.4	147.9	147.9	147.9	148.4	148.9	149.5	151.1
57.5°	136.8	136.8	135.7	135.7	135.7	135.2	136.8	135.7	136.2	136.8	137.8
60°	124.6	124.0	124.0	123.5	123.5	123.5	124.6	124.0	124.0	124.6	125.6
62.5°	113.4	113.4	112.9	112.9	112.4	112.4	113.4	112.9	112.9	113.4	114.0
65°	100.7	100.7	100.2	99.6	101.2	99.6	101.2	100.2	101.2	101.8	102.8
67.5°	86.4	86.4	86.4	85.9	85.9	86.9	87.5	86.4	86.9	88.0	88.5
70°	73.7	73.7	73.1	73.1	73.1	74.2	74.7	73.7	74.2	74.7	75.8
72.5°	62.5	61.5	61.5	61.0	62.0	62.0	62.5	62.0	62.5	62.5	63.6
75°	51.4	50.4	50.4	50.4	51.4	50.9	51.4	50.9	51.4	51.4	51.9
77.5°	41.3	40.8	40.3	40.3	41.3	41.3	41.3	40.8	41.3	41.9	42.4
80°	32.3	31.8	31.3	31.3	32.3	32.3	32.3	32.9	32.3	32.9	33.4
82.5°	23.9	23.3	22.8	23.9	23.9	23.9	23.9	24.4	23.9	24.4	24.9
85°	15.9	15.4	14.8	15.9	15.9	15.9	15.9	16.4	15.9	16.4	17.0
87.5°	8.5	8.0	8.0	8.5	8.5	8.5	9.0	9.0	9.0	9.5	9.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1251.4	1253.0	1252.5	1249.3	1246.1	1242.4	1239.8	1240.3	1245.6	1247.2	1242.4
5°	1199.0	1209.0	1209.0	1215.9	1212.2	1209.0	1211.1	1222.8	1228.6	1237.6	1240.8
7.5°	1144.9	1149.7	1149.1	1156.0	1155.0	1155.0	1156.6	1171.9	1179.3	1186.8	1188.9
10°	1114.7	1119.4	1118.9	1119.4	1117.9	1114.1	1114.1	1121.0	1127.4	1131.1	1132.2
12.5°	1092.9	1095.6	1095.1	1095.1	1094.0	1090.8	1090.3	1096.1	1103.0	1107.8	1108.3
15°	1060.6	1068.0	1069.6	1076.5	1074.9	1070.7	1071.7	1076.5	1080.8	1085.0	1083.4
17.5°	1012.4	1016.1	1016.6	1019.3	1018.2	1018.2	1024.6	1042.1	1053.7	1063.8	1064.9
20°	984.8	987.5	986.4	992.2	989.6	989.1	990.6	998.1	1003.4	1008.1	1016.6
22.5°	971.6	973.7	972.1	972.6	967.9	963.6	962.6	968.4	974.2	980.6	980.6
25°	960.4	962.0	961.5	960.4	956.7	950.9	949.8	950.9	953.0	953.5	949.8
27.5°	947.2	948.2	948.2	948.8	944.0	938.7	937.6	936.6	938.7	938.2	932.3
30°	933.4	931.8	932.3	932.9	928.6	923.9	921.7	921.2	923.3	922.8	917.0
32.5°	900.5	912.7	913.8	914.9	911.1	906.9	904.8	903.2	904.3	903.7	898.4
35°	206.2	209.9	257.1	582.0	790.3	875.1	884.1	882.0	882.5	882.5	878.3
37.5°	206.7	206.2	205.7	204.1	202.5	201.4	348.2	742.6	860.3	860.8	857.1
40°	206.7	206.2	205.7	204.6	202.5	200.9	198.2	196.1	200.9	442.1	808.8
42.5°	207.8	206.7	205.7	204.6	202.5	200.4	198.2	195.6	197.2	196.1	193.5
45°	204.6	204.1	204.1	203.5	202.5	200.4	197.7	194.5	192.9	194.5	191.9
47.5°	194.5	195.1	196.6	197.2	197.2	197.7	196.1	194.0	191.3	192.9	189.8
50°	180.7	181.8	182.3	185.0	186.0	188.2	188.7	188.7	188.2	190.3	188.2
52.5°	165.9	167.0	169.6	170.7	171.7	174.9	176.0	177.6	178.6	181.8	183.9
55°	151.6	152.1	153.2	155.3	156.9	159.5	161.1	162.7	165.4	167.0	173.3
57.5°	138.3	138.9	141.0	141.5	142.6	144.7	146.3	148.4	150.5	151.6	159.0
60°	125.6	126.1	127.7	128.3	128.8	130.9	132.5	134.1	135.7	136.8	142.1
62.5°	114.5	114.5	116.1	116.1	116.6	118.2	119.3	120.3	121.9	122.4	125.1
65°	103.4	103.9	104.9	104.9	105.5	106.5	107.1	107.6	109.2	109.2	111.3
67.5°	89.6	90.1	91.7	92.8	93.3	95.4	95.9	96.5	97.5	98.1	99.1
70°	76.3	76.9	78.4	79.0	79.5	81.1	82.2	83.7	85.3	86.9	88.0
72.5°	64.1	64.7	66.3	66.3	67.8	68.4	69.4	70.0	71.6	72.6	74.2
75°	52.5	53.0	54.6	54.6	56.2	56.7	57.2	57.8	58.8	59.9	61.0
77.5°	42.9	42.9	45.1	46.1	47.2	47.2	47.7	47.7	47.7	48.2	49.3
80°	33.9	33.9	35.5	36.6	37.6	37.6	38.2	38.7	39.2	39.2	39.8
82.5°	25.4	25.4	27.0	27.6	28.6	28.6	28.6	29.2	29.7	29.2	30.2
85°	17.5	17.5	18.6	19.1	20.1	20.1	20.1	20.7	21.2	20.7	21.2
87.5°	10.1	10.6	11.1	11.7	12.2	12.7	12.7	12.7	13.3	13.3	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1237.1	1230.8	1230.2	1222.8	1220.7	1221.2	1215.4	1213.3	1203.7	1201.6	1191.5
5°	1241.9	1245.1	1243.5	1242.9	1244.5	1243.5	1239.2	1237.1	1235.5	1231.3	1222.8
7.5°	1189.4	1191.5	1193.1	1200.0	1205.8	1215.9	1226.5	1233.4	1238.7	1239.8	1232.9
10°	1135.9	1145.9	1152.8	1163.4	1171.9	1177.8	1184.1	1189.9	1205.3	1220.7	1229.7
12.5°	1108.3	1111.0	1110.4	1116.3	1122.1	1137.5	1152.3	1160.8	1172.5	1179.3	1195.8
15°	1085.0	1085.5	1087.1	1091.4	1094.5	1099.8	1106.7	1119.4	1142.8	1153.4	1162.4
17.5°	1063.8	1063.8	1064.9	1068.6	1072.8	1077.6	1081.8	1087.1	1098.8	1116.3	1138.5
20°	1029.9	1044.7	1046.3	1045.8	1047.9	1056.9	1058.0	1067.5	1073.3	1080.2	1102.0
22.5°	979.5	988.5	1001.2	1020.9	1028.3	1032.5	1035.7	1039.9	1049.0	1056.9	1065.9
25°	952.0	957.8	961.5	967.3	982.7	1007.6	1012.4	1017.1	1023.0	1028.8	1039.9
27.5°	927.6	927.0	929.7	935.0	939.2	952.5	975.8	994.4	995.4	1003.9	1013.4
30°	910.1	906.9	903.2	902.1	908.0	914.9	921.7	950.9	971.0	975.3	985.3
32.5°	893.7	888.3	883.0	878.8	875.1	880.9	885.2	897.9	923.9	948.2	953.5
35°	873.5	868.2	861.8	857.1	851.2	850.7	850.2	862.4	870.9	900.0	925.5
37.5°	852.8	847.0	841.7	836.4	830.6	826.3	823.7	826.9	834.8	847.5	889.9
40°	831.1	824.2	818.9	814.7	806.7	803.5	798.2	796.1	796.7	807.8	830.0
42.5°	496.6	791.9	794.5	789.8	782.9	778.6	772.8	770.2	764.9	770.2	782.9
45°	191.3	193.5	579.3	765.4	756.9	751.6	746.3	743.6	737.8	733.6	745.2
47.5°	187.6	189.8	185.5	262.9	722.4	724.0	717.7	715.0	709.2	706.0	702.8
50°	185.0	186.6	183.4	184.5	180.7	662.0	688.5	685.3	679.0	675.3	668.9
52.5°	182.3	182.3	180.2	177.6	176.5	177.0	557.1	655.1	647.7	644.0	635.5
55°	173.9	174.9	177.0	172.8	171.7	171.2	169.6	530.6	613.3	609.0	601.6
57.5°	161.1	163.3	169.1	168.0	168.0	163.8	162.7	162.7	492.4	573.5	566.1
60°	146.3	148.4	154.8	156.9	158.5	157.4	156.4	155.8	153.7	518.9	528.5
62.5°	130.9	133.0	135.2	142.1	144.2	146.8	150.0	148.4	146.3	146.3	488.7
65°	114.5	117.7	118.7	125.1	127.7	132.5	135.2	138.9	137.8	137.3	139.9
67.5°	100.2	103.9	104.4	107.1	111.8	114.0	117.1	124.0	127.2	128.3	129.3
70°	88.0	90.1	91.7	92.8	95.9	96.5	102.3	107.1	111.8	117.1	118.7
72.5°	75.8	77.4	80.6	79.5	80.6	82.7	85.9	89.0	93.8	101.2	106.0
75°	62.0	63.1	65.2	66.3	68.4	70.0	72.1	74.7	79.0	82.7	89.0
77.5°	49.8	50.4	51.9	52.5	54.6	56.2	59.9	61.5	64.1	66.8	70.5
80°	40.3	40.3	40.8	40.8	42.4	44.0	46.6	48.2	51.4	53.5	53.5
82.5°	30.7	30.7	32.3	32.3	33.4	33.4	35.0	35.0	36.6	37.6	38.7
85°	21.7	22.3	23.3	22.8	23.9	23.3	24.4	25.4	26.0	25.4	24.9
87.5°	14.3	14.3	15.4	14.8	15.4	15.4	16.4	16.4	17.0	17.0	16.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1187.8	1179.9	1175.1	1169.3	1167.7	1166.1	1168.2	1168.2	1165.0	1162.4	1157.6
5°	1215.4	1206.9	1197.9	1188.4	1179.3	1169.8	1166.1	1165.6	1159.7	1156.6	1155.0
7.5°	1229.7	1225.5	1215.4	1202.1	1188.4	1171.4	1164.0	1159.7	1153.9	1152.8	1152.8
10°	1231.3	1226.5	1221.2	1211.7	1195.8	1173.5	1159.2	1150.7	1145.4	1149.1	1156.0
12.5°	1215.9	1224.9	1220.2	1213.8	1201.1	1174.0	1153.4	1140.6	1139.1	1148.6	1166.6
15°	1176.7	1203.2	1216.4	1210.1	1200.0	1173.0	1143.8	1129.0	1129.0	1148.6	1171.9
17.5°	1147.0	1167.7	1200.0	1205.3	1193.7	1170.9	1134.8	1117.3	1122.1	1150.7	1175.6
20°	1122.6	1135.3	1166.6	1196.3	1185.2	1166.1	1121.6	1103.5	1113.1	1147.5	1180.9
22.5°	1084.5	1109.9	1129.0	1173.0	1176.7	1157.1	1108.3	1086.6	1105.7	1147.5	1178.3
25°	1047.4	1078.1	1098.2	1141.2	1164.0	1145.9	1096.1	1068.6	1097.7	1145.9	1176.2
27.5°	1021.4	1035.7	1072.3	1103.0	1144.9	1131.1	1079.7	1049.0	1087.6	1137.5	1164.0
30°	993.8	1003.4	1039.4	1068.6	1119.4	1114.1	1062.7	1027.2	1074.9	1129.5	1132.2
32.5°	963.6	974.2	992.8	1035.2	1083.9	1098.2	1043.7	1005.5	1061.1	1117.3	1095.1
35°	932.9	940.8	955.7	1001.2	1042.6	1074.4	1020.3	980.6	1051.6	1098.8	1059.6
37.5°	902.1	910.6	923.3	961.5	999.1	1052.1	1000.2	955.7	1034.1	1065.9	1022.5
40°	873.0	877.7	891.0	914.9	963.1	1029.3	977.4	929.7	1016.1	1024.0	972.1
42.5°	819.4	843.3	855.5	874.6	922.3	998.1	950.9	902.1	995.9	982.2	921.7
45°	761.7	813.6	818.9	838.0	886.2	964.7	926.0	875.1	976.9	946.1	874.0
47.5°	714.5	752.1	782.9	798.8	843.3	925.5	902.7	852.3	948.2	900.5	827.4
50°	672.6	692.8	748.4	760.1	791.9	878.3	875.1	825.8	908.5	843.3	781.8
52.5°	631.8	646.1	696.5	721.4	747.4	827.4	842.2	799.8	865.0	786.1	735.7
55°	596.3	601.1	628.6	681.1	704.4	776.0	806.2	769.6	809.9	731.5	691.2
57.5°	559.7	555.5	575.6	642.9	659.9	723.5	768.0	738.9	765.4	675.8	645.1
60°	521.6	515.7	524.2	568.7	612.7	671.6	723.0	705.0	711.3	620.7	593.6
62.5°	481.8	476.0	473.3	501.4	566.6	618.0	677.4	667.3	645.1	570.3	530.0
65°	440.5	434.6	430.4	441.5	515.7	548.6	626.5	623.9	572.4	517.3	446.3
67.5°	134.1	395.4	386.4	385.9	434.6	485.5	571.4	567.1	499.3	460.6	384.3
70°	120.8	320.7	340.8	336.0	357.2	421.4	508.3	505.1	428.3	369.4	339.8
72.5°	110.8	113.4	301.1	295.8	300.5	358.3	442.6	434.1	363.1	291.5	293.6
75°	94.9	99.6	103.9	249.6	243.3	296.8	371.0	357.8	299.5	240.6	245.4
77.5°	77.4	83.2	86.4	181.8	196.6	211.5	296.3	278.8	206.2	192.4	91.7
80°	57.8	62.5	67.8	72.6	149.5	147.9	220.0	202.5	143.6	119.8	71.6
82.5°	42.4	44.0	47.2	52.5	59.4	99.1	141.5	124.6	99.6	54.6	49.3
85°	26.5	28.6	30.2	31.8	36.0	59.4	70.0	55.7	41.9	33.4	31.3
87.5°	17.0	17.0	16.4	17.0	17.5	21.2	23.9	22.8	18.0	17.0	17.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1152.3	1144.9	1144.9	1142.8	1144.4	1144.4	1143.8	1144.4	1148.1	1150.2	1153.9
5°	1151.8	1149.7	1154.4	1160.3	1167.2	1175.6	1177.8	1185.2	1192.1	1201.1	1210.6
7.5°	1158.7	1166.1	1175.1	1184.6	1198.4	1208.5	1217.5	1226.5	1232.9	1241.4	1246.7
10°	1168.7	1183.6	1199.0	1211.1	1226.0	1234.5	1240.3	1241.4	1232.3	1218.0	1206.4
12.5°	1183.1	1200.5	1214.9	1226.5	1233.4	1230.2	1213.3	1195.8	1185.7	1170.9	1150.2
15°	1195.2	1211.1	1226.0	1221.2	1202.7	1185.2	1171.9	1151.3	1131.1	1117.3	1108.3
17.5°	1200.5	1215.9	1210.6	1185.7	1168.2	1148.1	1121.0	1105.1	1091.9	1081.3	1076.0
20°	1203.7	1201.1	1172.5	1154.4	1120.5	1102.0	1084.5	1069.6	1059.6	1054.3	1053.2
22.5°	1195.2	1162.9	1138.5	1106.2	1081.3	1065.9	1052.1	1039.9	1033.1	1028.8	1026.2
25°	1167.2	1129.5	1093.5	1068.0	1046.8	1033.6	1023.0	1012.9	1004.4	1002.3	997.0
27.5°	1127.9	1097.2	1049.5	1029.9	1011.3	1005.0	993.3	983.2	975.8	969.4	952.5
30°	1095.6	1046.8	1012.4	994.4	983.2	975.8	962.6	952.0	939.2	915.9	906.4
32.5°	1055.8	1007.6	974.7	964.7	950.9	944.5	929.7	906.4	886.8	877.2	876.7
35°	1004.4	964.7	940.8	931.8	920.7	910.1	879.3	858.1	848.6	849.7	857.6
37.5°	961.5	926.0	910.6	897.9	885.2	858.1	832.2	822.1	824.7	830.0	833.8
40°	918.0	891.0	873.5	863.4	834.8	808.3	794.5	798.2	803.0	806.7	811.5
42.5°	875.6	856.5	839.1	819.4	780.2	765.9	769.1	773.9	778.1	783.4	788.2
45°	835.3	818.4	798.2	753.7	734.1	737.8	742.6	746.3	752.7	756.4	761.1
47.5°	797.2	779.2	743.6	704.4	702.3	709.7	714.0	718.7	723.5	714.0	393.8
50°	754.2	735.7	681.6	666.8	671.6	678.5	683.8	688.5	613.3	243.8	187.6
52.5°	711.8	664.7	630.2	634.5	639.2	647.2	650.9	483.4	192.4	183.4	183.9
55°	664.7	604.2	594.2	599.5	603.7	611.7	405.5	177.6	176.5	176.0	180.2
57.5°	590.5	553.9	558.1	563.4	567.7	400.7	172.8	171.7	172.3	172.8	173.3
60°	524.2	516.3	521.0	525.8	372.1	167.0	163.8	164.3	166.4	164.8	160.6
62.5°	471.7	478.1	482.9	423.0	158.5	156.9	158.5	156.9	153.2	150.5	145.2
65°	431.5	437.8	441.5	148.9	148.4	150.5	148.9	143.6	137.8	130.4	128.8
67.5°	389.1	395.4	141.5	137.8	139.9	137.3	130.9	124.6	120.3	114.0	111.3
70°	345.1	147.9	128.3	127.7	124.0	119.8	112.9	106.5	101.2	98.6	95.9
72.5°	249.1	117.1	115.5	111.3	104.9	99.1	93.3	89.6	86.9	85.3	83.7
75°	103.9	101.8	97.0	89.6	83.2	80.6	76.3	73.7	72.6	69.4	68.4
77.5°	86.9	82.7	75.8	70.5	66.8	65.2	62.0	58.8	57.2	56.7	54.6
80°	66.8	61.0	57.8	55.1	54.1	50.4	46.6	45.1	44.0	43.5	41.9
82.5°	45.6	43.5	41.3	37.6	37.6	36.0	34.5	33.4	32.3	32.3	31.3
85°	29.7	28.1	27.6	26.0	26.0	24.9	24.4	23.9	23.3	22.8	22.3
87.5°	17.0	17.0	17.5	17.0	17.0	16.4	15.9	15.4	14.8	14.8	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1158.7	1164.0	1165.0	1183.1	1193.1	1192.6	1189.4	1199.0	1193.1	1189.9	1193.1
5°	1220.2	1226.5	1231.8	1251.4	1258.3	1261.5	1261.0	1266.3	1262.0	1258.3	1258.3
7.5°	1250.4	1252.5	1254.6	1249.8	1246.7	1241.4	1233.4	1221.7	1215.9	1209.6	1201.6
10°	1200.5	1193.7	1196.3	1186.8	1178.8	1173.0	1165.6	1156.0	1148.1	1142.2	1133.2
12.5°	1139.6	1139.1	1140.1	1141.7	1133.8	1129.0	1123.2	1116.3	1110.4	1104.1	1096.7
15°	1102.5	1103.0	1107.3	1105.7	1103.0	1100.4	1094.0	1091.9	1086.6	1079.7	1075.5
17.5°	1076.0	1078.6	1082.9	1080.8	1076.5	1073.9	1069.1	1064.3	1059.6	1054.3	1047.9
20°	1052.7	1055.3	1058.0	1055.3	1047.4	1043.7	1037.3	1022.5	1011.8	1001.2	991.7
22.5°	1027.2	1028.8	1026.7	1018.2	998.1	988.5	981.1	976.9	967.9	962.0	956.2
25°	995.4	986.4	972.6	963.1	955.1	950.9	947.7	947.2	946.1	945.1	942.4
27.5°	943.5	940.3	932.9	929.2	929.7	931.3	931.8	933.4	931.8	929.7	927.6
30°	904.8	906.4	906.9	908.0	910.6	912.2	912.7	914.9	913.8	912.2	911.1
32.5°	880.4	884.1	886.2	889.4	891.0	893.7	893.7	896.8	893.7	893.1	892.1
35°	860.3	863.4	864.5	869.3	870.9	873.5	873.5	876.2	873.5	846.5	668.4
37.5°	840.1	843.3	845.4	849.7	850.2	851.8	786.1	575.1	371.0	287.3	219.4
40°	816.3	820.0	822.1	823.7	578.8	367.3	252.8	205.7	205.7	207.2	208.8
42.5°	790.8	793.5	552.8	321.7	200.4	199.8	201.4	203.0	204.6	206.7	208.8
45°	621.7	313.8	199.3	194.5	196.1	198.2	200.4	202.5	205.1	207.2	208.3
47.5°	204.1	191.3	194.0	191.9	194.5	197.2	199.3	201.4	201.9	202.5	201.9
50°	188.7	188.7	190.3	190.3	192.4	193.5	193.5	193.5	191.3	190.8	189.2
52.5°	182.3	186.6	184.5	185.5	184.5	182.9	181.3	179.7	176.5	175.4	173.3
55°	179.2	180.7	175.4	173.9	171.7	167.5	165.4	163.3	160.6	159.5	156.9
57.5°	171.7	168.0	162.2	159.5	155.8	151.6	149.5	147.9	145.2	144.2	142.6
60°	158.0	150.5	146.8	143.6	139.4	135.7	134.1	133.0	130.9	130.4	128.8
62.5°	141.0	134.6	131.5	127.2	124.0	121.9	120.3	119.8	117.7	117.7	116.6
65°	122.4	119.3	116.6	112.4	110.8	108.7	108.1	107.6	106.5	106.0	104.9
67.5°	107.6	105.5	101.8	99.6	98.6	97.0	95.9	94.9	92.8	91.7	90.1
70°	94.3	92.8	89.0	87.5	85.3	82.7	81.1	80.0	78.4	77.4	75.8
72.5°	81.6	76.9	74.2	72.6	71.0	68.4	67.8	66.8	65.2	64.7	63.1
75°	65.7	62.0	60.4	59.4	57.8	56.2	56.2	56.2	54.6	54.1	53.5
77.5°	52.5	50.4	49.3	48.2	47.7	46.6	45.1	44.5	42.9	42.9	42.4
80°	40.3	39.2	38.2	37.6	37.1	36.0	35.0	34.5	32.9	32.9	32.3
82.5°	29.7	29.2	28.6	28.1	27.6	27.0	25.4	24.9	23.9	23.9	23.3
85°	21.2	20.7	19.6	19.1	19.1	18.6	17.0	16.4	15.4	15.4	15.4
87.5°	13.3	12.7	12.2	11.7	11.1	10.6	9.5	9.0	9.0	8.0	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1186.8	1195.8	1194.7	1201.1	1202.7	1205.8	1206.9	1207.4	1199.5	1205.8	1206.4
5°	1256.7	1258.3	1259.4	1262.0	1264.7	1265.2	1262.6	1259.4	1260.4	1258.3	1253.0
7.5°	1200.5	1192.6	1191.0	1188.9	1187.8	1186.8	1182.0	1186.2	1181.5	1179.3	1171.9
10°	1131.6	1124.2	1123.7	1123.7	1125.3	1124.7	1123.7	1121.6	1125.8	1123.2	1121.6
12.5°	1095.6	1092.9	1094.5	1093.5	1097.7	1098.8	1097.7	1097.7	1096.7	1094.5	1095.6
15°	1073.9	1071.7	1073.3	1071.7	1074.9	1075.5	1072.8	1074.4	1071.7	1069.1	1068.0
17.5°	1045.2	1040.5	1036.8	1031.5	1032.0	1030.9	1027.8	1027.8	1025.1	1018.2	1018.7
20°	990.1	985.3	983.2	983.2	985.9	986.9	986.4	987.5	984.8	983.8	979.5
22.5°	955.7	955.1	956.2	958.8	963.1	968.9	969.4	969.4	969.4	968.9	963.6
25°	943.5	943.5	944.5	948.2	951.4	955.7	956.7	957.8	956.7	956.7	952.0
27.5°	929.7	928.6	930.8	934.5	938.2	941.4	944.0	944.5	942.9	942.9	944.5
30°	912.7	912.2	914.9	918.6	921.7	924.9	927.6	929.7	927.6	927.6	926.0
32.5°	895.2	895.2	896.3	874.0	810.4	729.9	731.5	684.8	652.5	611.7	665.7
35°	558.7	406.5	349.3	295.8	258.1	233.7	233.2	225.3	221.6	218.9	218.4
37.5°	211.0	212.0	214.1	215.2	216.8	217.8	218.4	218.4	218.4	218.4	217.8
40°	210.4	212.5	214.1	215.7	217.3	218.4	218.4	218.9	219.4	219.4	219.4
42.5°	211.0	213.1	215.2	216.8	217.8	218.4	218.9	219.4	219.4	219.4	219.4
45°	210.4	211.5	211.5	212.0	212.0	212.0	212.5	212.5	212.0	211.5	212.5
47.5°	202.5	202.5	200.9	200.4	199.8	198.8	199.3	198.8	198.2	197.7	198.8
50°	188.7	186.6	185.5	184.5	183.9	182.9	183.4	182.9	182.3	181.3	182.9
52.5°	172.3	171.7	169.6	168.6	168.0	168.6	167.5	167.0	166.4	165.9	166.4
55°	156.4	154.2	153.7	152.7	152.1	152.7	152.1	151.6	151.1	150.5	151.1
57.5°	142.1	140.5	139.9	138.9	138.9	138.9	138.9	138.3	137.8	137.3	137.8
60°	128.3	127.2	126.7	126.7	126.1	126.1	126.1	125.6	125.1	125.1	125.6
62.5°	116.6	116.6	115.0	114.5	114.5	115.0	114.5	114.0	113.4	112.9	114.0
65°	104.4	102.3	101.8	100.7	99.6	100.2	99.6	99.1	98.6	98.1	99.1
67.5°	89.6	89.0	86.9	85.9	85.3	85.9	85.3	84.8	84.3	83.7	84.8
70°	75.3	75.3	73.1	72.6	72.1	72.1	71.6	71.6	71.0	70.5	71.6
72.5°	62.5	62.5	62.0	61.0	60.4	59.9	59.4	58.8	58.8	59.4	59.4
75°	51.9	50.9	48.8	49.3	48.8	48.2	48.2	47.7	47.2	48.2	47.7
77.5°	40.8	40.3	38.7	39.2	38.7	38.2	38.2	37.6	37.1	37.6	37.6
80°	30.7	30.7	30.2	29.7	29.7	29.2	28.6	28.6	28.1	28.6	28.6
82.5°	22.3	22.3	21.7	21.2	20.7	20.7	20.1	20.1	20.1	20.1	20.1
85°	14.3	13.8	13.8	12.7	12.7	12.7	12.2	12.2	12.2	12.2	12.2
87.5°	6.9	6.9	6.4	6.4	5.8	5.3	5.3	4.8	4.8	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1196.8	1203.7	1197.9	1200.5	1201.1	1210.1	1209.6	1211.7	1208.0	1203.7	1197.9
5°	1257.8	1254.6	1250.4	1260.4	1255.1	1261.5	1263.6	1267.9	1267.9	1267.3	1262.6
7.5°	1179.9	1173.0	1178.3	1182.0	1183.6	1179.3	1187.8	1197.4	1205.3	1210.1	1210.6
10°	1118.9	1121.0	1120.5	1122.1	1125.8	1125.3	1130.6	1135.9	1138.0	1141.2	1142.2
12.5°	1090.3	1089.8	1090.8	1094.5	1096.7	1096.1	1101.4	1104.6	1105.7	1106.2	1105.7
15°	1067.5	1063.8	1066.4	1067.0	1068.6	1068.6	1074.9	1079.7	1081.8	1082.9	1081.8
17.5°	1024.6	1015.6	1024.0	1024.0	1029.9	1028.8	1038.9	1046.8	1051.1	1054.3	1054.3
20°	982.2	977.9	981.1	980.0	984.3	983.8	990.1	995.4	999.1	1001.8	1005.0
22.5°	965.2	966.3	961.5	962.0	962.0	961.5	964.7	967.3	968.4	970.0	968.9
25°	954.1	955.1	953.5	950.9	949.8	950.9	952.5	955.7	956.2	955.1	951.4
27.5°	942.9	939.8	942.4	937.6	936.6	938.7	940.8	941.4	941.9	941.9	938.7
30°	926.0	923.3	926.0	923.9	921.7	923.9	925.5	925.5	926.5	927.0	923.3
32.5°	647.2	652.5	738.3	790.3	863.4	900.5	907.4	907.4	908.5	908.5	905.3
35°	220.5	221.0	239.0	259.2	302.1	355.1	424.6	460.6	582.5	728.3	869.3
37.5°	217.8	217.3	216.8	216.3	215.7	215.2	214.1	213.6	216.8	257.1	348.8
40°	218.9	218.4	217.3	216.8	216.3	215.2	214.7	213.6	212.5	211.5	210.4
42.5°	218.9	218.4	217.8	217.3	216.8	216.3	215.2	214.1	213.1	211.5	209.9
45°	211.5	211.5	212.0	212.0	212.5	212.5	212.5	212.0	212.0	211.5	209.4
47.5°	197.7	197.7	199.3	199.3	200.4	201.4	201.4	202.5	204.1	205.1	205.7
50°	181.8	181.8	183.4	183.9	185.0	186.6	188.2	188.7	190.3	192.4	194.5
52.5°	165.9	165.9	167.5	167.5	168.6	170.1	171.7	172.3	174.4	176.5	179.2
55°	151.1	151.1	152.1	152.7	153.2	154.2	155.8	155.8	158.0	159.5	162.2
57.5°	137.8	138.9	138.9	138.9	139.4	140.5	141.5	141.5	143.1	144.7	146.8
60°	125.1	126.1	126.1	126.1	126.7	127.2	128.3	128.3	129.3	130.4	132.5
62.5°	113.4	114.5	114.5	115.0	115.0	115.5	116.6	116.1	117.1	117.7	119.3
65°	98.6	99.6	100.2	100.7	101.2	102.3	103.9	103.4	104.9	106.0	107.6
67.5°	84.3	85.3	85.3	85.9	86.4	87.5	88.5	88.5	90.1	91.2	93.3
70°	71.0	72.1	72.1	72.6	73.1	74.2	75.3	74.7	76.3	77.4	79.0
72.5°	58.8	59.9	59.9	60.4	60.4	61.5	62.5	63.6	63.6	64.7	65.7
75°	47.7	48.2	48.8	48.8	49.3	49.8	50.9	51.9	52.5	53.0	54.1
77.5°	37.6	38.2	38.7	38.7	39.2	39.8	40.3	42.4	43.5	44.0	44.0
80°	28.6	29.2	29.2	29.2	29.7	30.2	31.3	31.3	33.4	33.4	33.9
82.5°	20.1	20.7	20.7	20.7	21.2	22.3	22.8	23.3	24.4	24.9	24.9
85°	12.2	12.7	12.7	12.7	13.3	13.8	14.8	15.4	15.9	15.9	16.4
87.5°	4.8	5.3	5.8	5.8	6.4	6.9	7.4	8.0	8.5	8.5	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1191.5	1195.2	1191.5	1193.7	1196.3	1191.5	1180.4	1176.2	1174.6	1168.2	1164.0
5°	1257.8	1257.8	1256.2	1260.4	1259.9	1252.5	1240.8	1235.5	1230.2	1223.3	1218.0
7.5°	1210.6	1214.9	1217.5	1233.9	1244.5	1245.6	1253.0	1254.6	1256.7	1254.6	1251.4
10°	1142.8	1141.2	1148.6	1164.0	1173.0	1177.8	1192.1	1199.0	1204.8	1216.4	1228.6
12.5°	1104.6	1106.7	1109.9	1121.0	1129.5	1127.4	1133.2	1138.0	1144.9	1156.6	1174.0
15°	1079.2	1081.3	1084.5	1092.9	1098.2	1095.6	1098.8	1102.0	1106.7	1112.6	1123.2
17.5°	1051.6	1055.3	1059.0	1068.0	1072.8	1072.3	1074.9	1076.0	1077.6	1081.3	1088.7
20°	1008.7	1020.3	1027.8	1039.9	1046.8	1045.8	1050.5	1052.1	1054.3	1058.0	1061.1
22.5°	969.4	972.6	976.3	989.6	1001.2	1015.6	1018.7	1023.0	1028.3	1032.0	1035.2
25°	947.2	945.1	946.7	955.7	962.0	963.1	967.9	981.6	995.9	1002.3	1009.7
27.5°	933.9	931.8	931.3	935.5	936.6	933.9	932.9	937.1	947.7	958.3	980.6
30°	919.6	917.0	914.9	918.6	920.2	916.4	909.6	905.8	912.2	914.9	923.9
32.5°	902.7	900.0	899.0	901.1	902.1	899.0	891.5	887.3	886.2	884.1	886.2
35°	883.6	880.9	879.3	879.9	882.0	879.3	873.0	867.7	865.0	859.2	855.0
37.5°	455.3	645.1	837.5	857.6	859.7	859.2	852.8	847.0	844.4	837.5	835.3
40°	208.3	232.7	349.3	456.4	658.3	836.4	830.6	824.7	820.0	817.9	809.9
42.5°	207.8	208.3	208.8	206.2	255.5	435.2	642.4	802.0	798.8	793.5	787.6
45°	207.8	205.1	207.2	204.1	205.1	204.6	255.0	411.3	732.0	764.9	762.2
47.5°	205.7	204.1	206.2	203.5	200.4	201.9	199.8	202.5	315.9	535.9	734.1
50°	196.1	197.2	200.9	200.4	197.7	199.8	196.1	199.3	196.6	215.7	415.6
52.5°	181.8	183.9	187.6	190.8	191.9	194.5	193.5	194.5	192.4	192.9	193.5
55°	164.8	167.5	170.7	175.4	177.6	181.8	185.0	186.6	189.2	188.7	184.5
57.5°	148.9	151.6	154.2	159.0	163.8	165.9	171.7	174.9	181.8	180.2	179.2
60°	134.1	136.2	138.9	139.9	145.8	149.5	154.8	158.0	167.0	169.1	172.3
62.5°	120.8	121.9	124.0	125.6	129.3	133.0	135.7	141.0	145.8	152.7	157.4
65°	108.7	109.7	111.3	112.4	112.9	118.2	119.8	125.6	127.2	134.6	138.9
67.5°	94.9	97.0	99.1	100.2	101.2	104.4	105.5	108.1	111.8	115.0	120.3
70°	80.6	82.2	84.3	85.9	88.0	90.1	93.3	94.9	97.5	99.6	103.9
72.5°	67.3	68.9	70.0	71.6	73.1	74.7	77.4	81.1	83.2	86.9	88.0
75°	54.6	56.2	57.2	58.3	59.9	61.0	62.0	65.7	67.8	71.0	74.2
77.5°	45.1	45.1	46.1	49.3	48.8	48.8	49.8	51.9	53.5	55.7	58.8
80°	35.0	35.5	36.0	38.7	39.2	39.8	39.2	40.8	42.4	42.9	45.1
82.5°	26.0	26.5	26.5	28.1	29.7	29.7	29.7	30.2	31.8	32.3	33.4
85°	17.5	18.0	18.6	19.1	20.1	20.7	21.2	21.2	22.3	22.8	23.3
87.5°	9.5	10.6	11.1	11.7	12.2	12.7	13.3	13.8	14.3	14.8	15.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6	1156.6
2.5°	1162.4	1159.7	1158.1	1153.9	1152.8	1145.9	1147.0	1145.9	1145.9	1147.5	1152.8
5°	1212.2	1199.5	1196.3	1187.3	1179.9	1167.2	1159.2	1155.0	1148.6	1145.9	1149.7
7.5°	1246.1	1236.6	1228.6	1220.7	1210.1	1195.2	1184.1	1171.4	1160.8	1150.7	1148.1
10°	1240.3	1250.9	1250.9	1246.1	1236.1	1221.2	1208.0	1192.1	1173.5	1157.6	1148.1
12.5°	1191.0	1209.6	1224.4	1235.5	1245.6	1235.5	1222.3	1209.6	1188.9	1165.6	1148.1
15°	1136.9	1156.0	1174.6	1197.9	1222.3	1232.3	1231.8	1217.0	1198.4	1174.0	1149.7
17.5°	1098.8	1112.0	1122.1	1147.5	1177.2	1203.2	1220.7	1221.7	1203.7	1182.0	1150.2
20°	1070.2	1079.7	1088.2	1102.5	1128.5	1160.3	1192.6	1210.6	1207.4	1183.6	1151.8
22.5°	1044.2	1051.1	1058.0	1068.6	1089.2	1109.9	1147.5	1184.6	1200.5	1180.9	1150.2
25°	1018.2	1025.6	1030.9	1038.4	1054.8	1071.7	1098.2	1144.4	1179.9	1178.8	1147.0
27.5°	987.5	997.5	1003.9	1014.0	1025.1	1037.8	1055.8	1099.3	1150.2	1168.2	1138.5
30°	950.4	965.2	974.7	985.9	995.4	1006.5	1020.9	1047.4	1110.4	1147.5	1129.5
32.5°	896.8	923.3	944.5	955.1	965.7	975.3	988.0	1010.3	1061.7	1119.4	1119.4
35°	858.7	870.9	889.9	920.7	933.9	943.5	955.1	972.6	1005.5	1086.1	1103.0
37.5°	829.0	833.8	843.3	873.5	898.4	913.8	925.5	936.6	968.9	1040.5	1081.8
40°	806.7	805.1	804.1	818.4	853.9	878.3	891.5	902.7	927.6	985.9	1053.7
42.5°	780.8	779.2	773.9	777.6	795.1	835.9	856.0	868.2	888.9	928.6	1023.0
45°	753.7	751.1	748.9	745.2	751.6	774.4	815.7	833.8	845.4	880.9	984.3
47.5°	726.2	722.4	719.8	716.6	712.9	723.5	762.7	795.1	815.2	837.5	937.6
50°	686.9	691.7	688.5	684.8	681.6	679.5	695.9	748.9	773.9	791.9	880.9
52.5°	323.9	629.7	656.2	652.5	648.2	644.5	648.2	688.5	733.6	747.9	812.6
55°	184.5	280.4	583.6	617.0	613.3	608.0	604.8	618.6	685.9	705.0	750.0
57.5°	177.6	178.1	257.6	556.0	576.7	571.9	568.2	571.4	628.6	661.0	695.4
60°	171.7	171.7	171.7	245.9	531.6	533.2	528.5	523.2	548.1	611.7	640.3
62.5°	159.0	162.2	163.8	163.8	242.8	492.4	487.6	486.0	487.1	552.3	585.2
65°	142.6	150.0	153.2	155.3	155.3	255.0	445.8	443.1	439.4	464.3	529.5
67.5°	124.6	132.0	138.9	143.1	143.6	148.4	266.1	399.1	393.8	394.4	470.1
70°	106.0	112.4	119.8	126.1	132.0	134.6	138.9	331.3	348.8	341.3	402.8
72.5°	91.7	94.3	99.6	106.0	112.9	119.3	123.0	132.0	302.7	294.7	306.4
75°	76.3	78.4	82.2	86.4	91.7	99.1	105.5	111.8	160.6	247.0	245.4
77.5°	59.4	63.1	67.3	70.0	72.6	77.9	86.4	92.8	99.1	167.0	196.6
80°	45.6	48.2	50.4	53.0	56.2	59.9	63.1	70.5	77.9	83.7	150.5
82.5°	33.9	35.5	37.1	38.2	39.2	41.3	47.2	49.8	54.6	59.9	71.0
85°	23.9	24.9	26.0	26.5	27.0	27.6	29.7	30.2	35.0	36.0	42.9
87.5°	15.4	15.9	17.0	17.5	17.5	18.0	18.6	18.6	18.6	17.5	21.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-25SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1156.6	1156.6
2.5°	1157.1	1165.6
5°	1155.5	1166.6
7.5°	1151.3	1161.9
10°	1144.9	1157.6
12.5°	1138.0	1150.2
15°	1132.2	1141.2
17.5°	1125.8	1131.1
20°	1117.3	1121.6
22.5°	1108.8	1106.7
25°	1099.3	1094.5
27.5°	1087.1	1078.1
30°	1076.0	1060.1
32.5°	1065.4	1039.4
35°	1051.1	1018.2
37.5°	1036.2	996.5
40°	1018.7	971.6
42.5°	1000.2	946.7
45°	976.9	922.8
47.5°	956.2	894.2
50°	927.6	863.4
52.5°	892.6	834.8
55°	851.2	799.8
57.5°	806.7	763.3
60°	759.0	721.4
62.5°	701.2	677.9
65°	633.4	628.1
67.5°	544.9	573.0
70°	446.8	509.9
72.5°	373.7	443.1
75°	306.4	368.4
77.5°	242.8	288.9
80°	151.6	211.5
82.5°	101.8	138.9
85°	61.5	66.3
87.5°	23.9	24.4
90°	0.0	0.0

(END OF REPORT)