

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-LD5-127SL-LC-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 (P33518)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-127SL-LC-UNV-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR LENSED  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10933.0 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

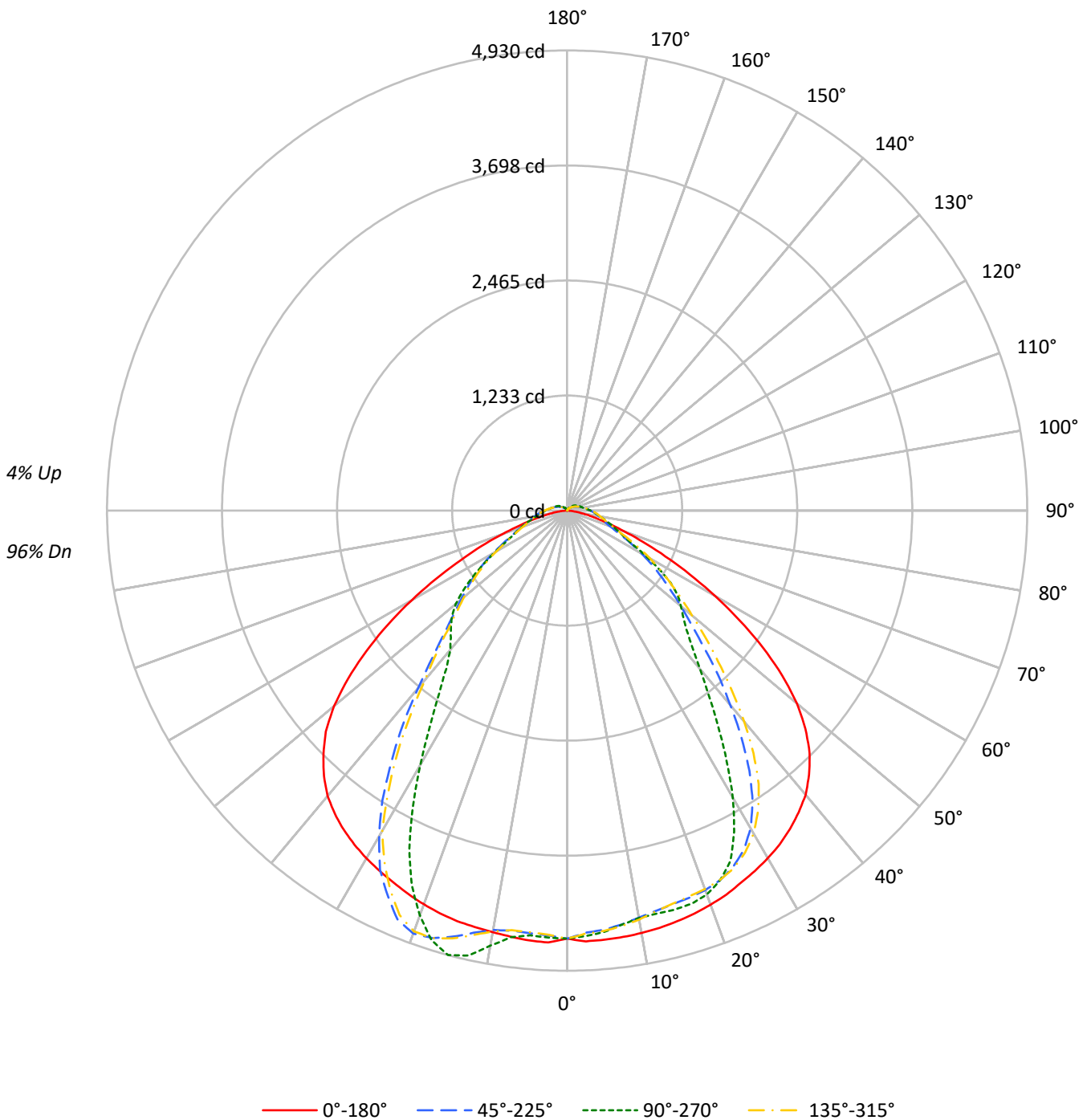
Input Watts (W): 103  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	82				
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	71				
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	61				
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	54				
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	47				
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	42				
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	38				
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	34				
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31				
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	18530	18530	18530	18530
5°	18691	17795	18729	17935
10°	18803	17055	18764	18213
15°	18976	16827	18966	18736
20°	19213	16561	19193	17457
25°	19480	15711	19470	15180
30°	19880	13616	19891	12063
35°	20308	11010	20365	9317
40°	20694	8865	20781	7810
45°	20671	7509	20778	7313
50°	19837	6914	20115	6759
55°	17661	6214	18102	5649
60°	14389	4756	15153	4362
65°	10759	3639	11592	3450
70°	7379	3141	8318	3003
75°	4891	2834	5695	2680
80°	3240	2642	3798	2431
85°	1770	2636	2329	2408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	435.6	4.0
10°-20°	1296.1	11.9
20°-30°	1970.5	18.0
30°-40°	2113.9	19.3
40°-50°	1834.6	16.8
50°-60°	1359.6	12.4
60°-70°	779.0	7.1
70°-80°	431.4	3.9
80°-90°	262.7	2.4
90°-100°	170.8	1.6
100°-110°	114.4	1.0
110°-120°	77.3	0.7
120°-130°	47.4	0.4
130°-140°	24.9	0.2
140°-150°	11.4	0.1
150°-160°	3.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3702.3	33.9
0°-40°	5816.1	53.2
0°-60°	9010.4	82.4
0°-90°	10483.5	95.9
90°-120°	362.5	3.3
90°-150°	446.2	4.1
90°-180°	450.0	4.1
0°-180°	10933.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4586	4586	4586	4586	4586	
5°	4614	4532	4624	4567	4614	440
15°	4555	4427	4553	4930	4555	1289
25°	4401	4141	4399	4001	4401	2035
35°	4162	2819	4174	2385	4162	2605
45°	3674	1807	3693	1760	3674	2813
55°	2563	1355	2627	1232	2563	2273
65°	1163	687	1253	651	1163	1173
75°	332	436	386	412	332	379
85°	45	301	59	275	45	59
90°	0	251	5	232	0	2
95°	2	206	0	197	2	2
105°	2	154	2	147	2	3
115°	2	126	2	114	2	2
125°	2	95	2	78	2	2
135°	2	59	2	50	2	2
145°	2	36	5	28	2	2
155°	5	17	5	14	5	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1
2.5°	4619.3	4607.4	4602.7	4593.2	4600.3	4628.8	4609.8	4579.0	4581.4	4526.9	4555.3
5°	4614.5	4600.3	4593.2	4583.7	4588.5	4614.5	4595.6	4564.8	4562.4	4507.9	4534.0
7.5°	4607.4	4593.2	4581.4	4574.3	4576.6	4598.0	4574.3	4538.7	4531.6	4472.4	4496.1
10°	4595.6	4586.1	4569.5	4557.7	4555.3	4579.0	4541.1	4505.6	4489.0	4427.4	4451.1
12.5°	4579.0	4564.8	4548.2	4526.9	4524.5	4538.7	4507.9	4458.2	4441.6	4391.9	4417.9
15°	4555.3	4538.7	4519.8	4496.1	4484.3	4493.7	4455.8	4410.8	4408.5	4365.8	4401.3
17.5°	4529.3	4505.6	4484.3	4451.1	4434.5	4441.6	4410.8	4370.5	4375.3	4349.2	4389.5
20°	4493.7	4467.7	4434.5	4401.3	4377.7	4389.5	4368.2	4337.4	4344.5	4325.5	4361.1
22.5°	4453.5	4417.9	4377.7	4339.8	4320.8	4337.4	4320.8	4294.7	4297.1	4285.3	4306.6
25°	4401.3	4361.1	4313.7	4266.3	4256.8	4268.7	4259.2	4237.9	4228.4	4209.5	4218.9
27.5°	4354.0	4309.0	4249.7	4200.0	4183.4	4207.1	4185.8	4150.2	4124.2	4098.1	4079.2
30°	4299.5	4245.0	4178.7	4121.8	4107.6	4117.1	4086.3	4031.8	3963.1	3929.9	3877.8
32.5°	4240.3	4169.2	4086.3	4022.3	4012.9	4005.7	3948.9	3870.7	3764.1	3697.8	3617.3
35°	4162.1	4083.9	3984.4	3906.3	3892.0	3851.8	3759.4	3655.2	3517.8	3404.1	3266.7
37.5°	4074.4	3982.1	3877.8	3773.6	3733.3	3652.8	3522.5	3413.5	3205.1	3067.7	2901.9
40°	3974.9	3863.6	3735.7	3610.1	3543.8	3413.5	3264.3	3103.2	2901.9	2717.1	2577.3
42.5°	3837.6	3719.1	3567.5	3427.7	3314.0	3141.1	2965.8	2738.4	2553.6	2397.3	2255.2
45°	3674.1	3532.0	3356.7	3188.5	3044.0	2837.9	2631.8	2404.4	2250.4	2068.0	1970.9
47.5°	3463.3	3309.3	3122.2	2935.0	2745.5	2518.1	2302.5	2084.6	1930.6	1800.3	1729.3
50°	3214.5	3072.4	2866.3	2643.6	2435.2	2198.3	1982.7	1819.3	1670.0	1589.5	1535.0
52.5°	2906.6	2773.9	2563.1	2321.5	2120.1	1888.0	1691.4	1558.7	1452.1	1392.9	1373.9
55°	2563.1	2447.0	2238.6	2013.5	1807.4	1594.2	1445.0	1328.9	1260.2	1224.7	1227.1
57.5°	2195.9	2105.9	1909.3	1707.9	1513.7	1352.6	1217.6	1125.2	1073.1	1070.7	1077.8
60°	1828.8	1762.4	1591.9	1418.9	1248.4	1118.1	1018.6	954.7	921.5	923.9	921.5
62.5°	1478.2	1416.6	1293.4	1151.3	1016.2	928.6	838.6	812.5	784.1	781.7	781.7
65°	1163.1	1115.7	1016.2	914.4	812.5	755.7	710.7	679.9	658.5	653.8	656.2
67.5°	874.1	855.2	786.5	717.8	653.8	618.3	580.4	573.3	556.7	556.7	561.4
70°	651.4	637.2	599.3	559.1	533.0	509.3	490.4	490.4	488.0	485.6	497.5
72.5°	471.4	473.8	461.9	431.1	428.8	424.0	419.3	426.4	428.8	435.9	450.1
75°	331.6	338.7	338.7	334.0	343.5	355.3	362.4	374.3	388.5	398.0	414.6
77.5°	234.5	234.5	246.4	260.6	279.5	300.8	319.8	336.4	355.3	367.2	381.4
80°	151.6	158.7	177.7	203.7	229.8	258.2	284.3	305.6	324.5	343.5	353.0
82.5°	90.0	101.9	125.5	158.7	191.9	227.4	253.5	279.5	300.8	319.8	326.9
85°	45.0	61.6	90.0	125.5	161.1	199.0	232.1	255.8	279.5	296.1	305.6
87.5°	14.2	33.2	64.0	97.1	135.0	172.9	208.5	234.5	255.8	270.1	279.5
90°	0.0	16.6	45.0	80.5	116.1	154.0	187.1	215.6	236.9	248.7	255.8
92.5°	0.0	9.5	35.5	66.3	99.5	137.4	170.6	196.6	215.6	227.4	232.1
95°	2.4	7.1	26.1	54.5	87.6	123.2	154.0	177.7	196.6	208.5	210.8
97.5°	2.4	4.7	21.3	45.0	75.8	109.0	139.8	163.5	177.7	189.5	191.9
100°	2.4	4.7	16.6	40.3	66.3	97.1	125.5	146.9	163.5	172.9	175.3
102.5°	2.4	2.4	14.2	33.2	59.2	85.3	111.3	132.7	146.9	156.3	161.1
105°	2.4	2.4	11.8	28.4	52.1	75.8	99.5	120.8	132.7	142.1	146.9
107.5°	2.4	2.4	9.5	23.7	45.0	66.3	90.0	106.6	120.8	130.3	135.0
110°	2.4	2.4	7.1	21.3	37.9	59.2	78.2	94.8	109.0	118.4	123.2



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CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.4	2.4	7.1	19.0	33.2	52.1	68.7	85.3	97.1	106.6	113.7
115°	2.4	2.4	7.1	16.6	30.8	45.0	61.6	75.8	87.6	97.1	104.2
117.5°	2.4	2.4	7.1	14.2	26.1	40.3	54.5	68.7	78.2	87.6	94.8
120°	2.4	2.4	4.7	11.8	23.7	35.5	47.4	59.2	71.1	80.5	87.6
122.5°	2.4	2.4	4.7	11.8	19.0	30.8	42.6	52.1	64.0	71.1	78.2
125°	2.4	2.4	4.7	9.5	16.6	28.4	37.9	47.4	54.5	64.0	71.1
127.5°	2.4	2.4	4.7	9.5	14.2	23.7	33.2	42.6	49.7	56.9	61.6
130°	2.4	2.4	4.7	7.1	11.8	19.0	28.4	35.5	45.0	49.7	54.5
132.5°	2.4	2.4	2.4	7.1	9.5	14.2	21.3	30.8	37.9	45.0	47.4
135°	2.4	2.4	2.4	4.7	9.5	11.8	16.6	23.7	30.8	37.9	42.6
137.5°	2.4	2.4	2.4	4.7	7.1	11.8	14.2	19.0	26.1	30.8	37.9
140°	2.4	2.4	2.4	4.7	7.1	9.5	11.8	16.6	21.3	26.1	30.8
142.5°	2.4	2.4	2.4	4.7	4.7	7.1	9.5	14.2	16.6	21.3	26.1
145°	2.4	2.4	2.4	4.7	4.7	7.1	9.5	11.8	14.2	16.6	21.3
147.5°	2.4	2.4	2.4	4.7	4.7	4.7	7.1	9.5	11.8	14.2	16.6
150°	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	9.5	11.8	14.2
152.5°	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	7.1	9.5	11.8
155°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	9.5	9.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1
2.5°	4545.8	4550.6	4579.0	4576.6	4571.9	4567.2	4567.2	4562.4	4567.2	4579.0	4574.3
5°	4522.2	4529.3	4550.6	4548.2	4543.5	4541.1	4538.7	4531.6	4536.4	4553.0	4548.2
7.5°	4479.5	4486.6	4505.6	4496.1	4489.0	4493.7	4481.9	4474.8	4484.3	4500.8	4498.5
10°	4434.5	4439.2	4462.9	4458.2	4446.4	4448.7	4436.9	4432.1	4444.0	4453.5	4455.8
12.5°	4403.7	4420.3	4441.6	4439.2	4436.9	4439.2	4427.4	4422.7	4429.8	4439.2	4436.9
15°	4396.6	4417.9	4441.6	4441.6	4444.0	4446.4	4434.5	4427.4	4434.5	4441.6	4439.2
17.5°	4389.5	4415.6	4436.9	4434.5	4436.9	4441.6	4422.7	4417.9	4427.4	4436.9	4432.1
20°	4365.8	4389.5	4403.7	4399.0	4399.0	4401.3	4377.7	4377.7	4391.9	4399.0	4401.3
22.5°	4299.5	4327.9	4327.9	4316.1	4316.1	4306.6	4299.5	4285.3	4301.9	4313.7	4323.2
25°	4200.0	4211.8	4197.6	4171.6	4157.4	4145.5	4112.3	4140.8	4140.8	4176.3	4188.1
27.5°	4060.2	4034.2	3993.9	3939.4	3927.6	3889.7	3868.4	3875.5	3887.3	3937.0	3974.9
30°	3830.4	3752.3	3683.6	3659.9	3607.8	3569.9	3532.0	3550.9	3572.2	3600.7	3678.8
32.5°	3527.2	3451.4	3340.1	3299.8	3245.3	3198.0	3153.0	3181.4	3219.3	3238.2	3323.5
35°	3179.0	3089.0	2987.1	2918.4	2861.6	2835.5	2778.7	2818.9	2859.2	2873.4	2946.9
37.5°	2809.5	2717.1	2627.1	2567.8	2513.4	2496.8	2458.9	2487.3	2518.1	2539.4	2601.0
40°	2458.9	2373.6	2304.9	2264.6	2226.7	2212.5	2198.3	2210.1	2233.8	2250.4	2297.8
42.5°	2158.0	2089.3	2042.0	2018.3	1992.2	1973.3	1975.6	1980.4	1992.2	2027.7	2049.1
45°	1895.1	1854.8	1824.0	1819.3	1802.7	1800.3	1798.0	1807.4	1814.5	1835.9	1852.4
47.5°	1684.3	1667.7	1660.6	1670.0	1677.2	1667.7	1672.4	1684.3	1698.5	1698.5	1696.1
50°	1518.4	1523.2	1532.7	1554.0	1568.2	1572.9	1577.7	1591.9	1594.2	1599.0	1591.9
52.5°	1383.4	1388.2	1414.2	1447.4	1464.0	1471.1	1480.5	1494.8	1494.8	1499.5	1490.0
55°	1246.0	1253.1	1279.2	1312.3	1326.6	1336.0	1345.5	1355.0	1362.1	1371.6	1364.5
57.5°	1094.4	1115.7	1132.3	1141.8	1151.3	1158.4	1165.5	1167.8	1182.1	1184.4	1196.3
60°	933.3	938.1	954.7	952.3	945.2	964.1	954.7	971.2	987.8	1009.1	1011.5
62.5°	779.4	781.7	793.6	788.8	798.3	795.9	803.0	803.0	814.9	824.4	836.2
65°	658.5	660.9	670.4	670.4	668.0	675.1	682.2	687.0	687.0	694.1	703.6
67.5°	568.5	575.6	585.1	589.8	594.6	594.6	601.7	604.1	608.8	611.2	615.9
70°	506.9	516.4	525.9	530.6	533.0	537.7	540.1	540.1	544.8	547.2	551.9
72.5°	461.9	471.4	478.5	478.5	483.2	485.6	485.6	488.0	490.4	495.1	499.8
75°	424.0	431.1	435.9	433.5	433.5	433.5	435.9	435.9	440.6	445.3	450.1
77.5°	388.5	395.6	395.6	390.9	390.9	390.9	390.9	393.2	395.6	400.3	405.1
80°	362.4	362.4	360.1	360.1	355.3	353.0	353.0	355.3	355.3	360.1	367.2
82.5°	334.0	334.0	331.6	329.3	326.9	324.5	324.5	326.9	329.3	331.6	336.4
85°	308.0	308.0	303.2	303.2	300.8	300.8	300.8	300.8	303.2	305.6	310.3
87.5°	281.9	279.5	277.2	274.8	274.8	274.8	274.8	274.8	277.2	281.9	284.3
90°	255.8	253.5	251.1	251.1	248.7	248.7	251.1	251.1	253.5	255.8	258.2
92.5°	232.1	229.8	227.4	227.4	225.0	225.0	227.4	225.0	229.8	229.8	232.1
95°	210.8	208.5	206.1	206.1	206.1	206.1	206.1	206.1	208.5	208.5	210.8
97.5°	191.9	189.5	187.1	187.1	189.5	187.1	189.5	189.5	189.5	191.9	194.2
100°	175.3	172.9	172.9	175.3	172.9	172.9	175.3	175.3	175.3	175.3	177.7
102.5°	161.1	161.1	161.1	161.1	161.1	161.1	163.5	163.5	163.5	163.5	165.8
105°	146.9	149.2	149.2	149.2	151.6	151.6	151.6	154.0	154.0	154.0	154.0
107.5°	137.4	139.8	139.8	142.1	142.1	144.5	144.5	144.5	144.5	146.9	146.9
110°	127.9	130.3	132.7	135.0	135.0	137.4	137.4	137.4	137.4	137.4	137.4





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	118.4	120.8	123.2	127.9	130.3	130.3	130.3	130.3	132.7	132.7	130.3
115°	109.0	113.7	116.1	120.8	123.2	123.2	125.5	125.5	125.5	125.5	123.2
117.5°	99.5	106.6	109.0	113.7	116.1	116.1	118.4	118.4	118.4	118.4	116.1
120°	92.4	97.1	101.9	104.2	106.6	109.0	109.0	111.3	111.3	111.3	109.0
122.5°	85.3	90.0	94.8	97.1	99.5	101.9	101.9	101.9	101.9	101.9	101.9
125°	75.8	80.5	85.3	87.6	90.0	92.4	92.4	94.8	94.8	94.8	92.4
127.5°	68.7	73.4	75.8	80.5	82.9	82.9	85.3	85.3	85.3	85.3	82.9
130°	59.2	64.0	68.7	71.1	73.4	73.4	75.8	75.8	75.8	75.8	75.8
132.5°	52.1	56.9	59.2	64.0	64.0	66.3	66.3	68.7	68.7	68.7	66.3
135°	47.4	49.7	52.1	56.9	56.9	59.2	59.2	59.2	59.2	59.2	59.2
137.5°	42.6	45.0	47.4	49.7	49.7	52.1	52.1	52.1	52.1	54.5	52.1
140°	35.5	40.3	42.6	42.6	45.0	45.0	45.0	47.4	47.4	47.4	45.0
142.5°	30.8	33.2	35.5	37.9	40.3	40.3	40.3	40.3	42.6	40.3	40.3
145°	23.7	28.4	30.8	33.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5
147.5°	19.0	21.3	26.1	28.4	28.4	30.8	30.8	30.8	30.8	30.8	30.8
150°	16.6	16.6	21.3	23.7	26.1	26.1	26.1	26.1	26.1	26.1	26.1
152.5°	11.8	14.2	16.6	19.0	21.3	21.3	21.3	21.3	21.3	21.3	21.3
155°	11.8	11.8	14.2	14.2	16.6	16.6	16.6	16.6	19.0	16.6	16.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-127SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1
2.5°	4567.2	4564.8	4574.3	4564.8	4517.4	4536.4	4529.3	4555.3	4557.7	4564.8	4588.5
5°	4543.5	4543.5	4555.3	4545.8	4500.8	4519.8	4517.4	4543.5	4548.2	4553.0	4579.0
7.5°	4496.1	4498.5	4515.1	4507.9	4460.6	4489.0	4486.6	4517.4	4526.9	4536.4	4560.1
10°	4451.1	4448.7	4467.7	4460.6	4415.6	4448.7	4446.4	4477.1	4491.4	4507.9	4536.4
12.5°	4427.4	4420.3	4427.4	4420.3	4370.5	4396.6	4399.0	4434.5	4451.1	4472.4	4505.6
15°	4427.4	4415.6	4415.6	4401.3	4344.5	4361.1	4363.4	4387.1	4408.5	4429.8	4470.0
17.5°	4422.7	4410.8	4408.5	4396.6	4335.0	4335.0	4332.6	4349.2	4361.1	4382.4	4425.0
20°	4396.6	4391.9	4389.5	4382.4	4325.5	4316.1	4311.3	4311.3	4318.4	4325.5	4368.2
22.5°	4327.9	4332.6	4337.4	4342.1	4297.1	4280.5	4282.9	4278.2	4271.1	4271.1	4306.6
25°	4200.0	4223.7	4242.6	4264.0	4237.9	4226.0	4240.3	4233.2	4221.3	4211.8	4242.6
27.5°	3996.3	4046.0	4086.3	4138.4	4140.8	4131.3	4169.2	4164.5	4162.1	4147.9	4171.6
30°	3714.4	3792.5	3847.0	3922.8	3986.8	3996.3	4060.2	4069.7	4079.2	4072.1	4095.8
32.5°	3373.3	3479.9	3572.2	3690.7	3752.3	3806.8	3896.8	3934.7	3972.6	3984.4	4010.5
35°	3001.3	3122.2	3231.1	3361.4	3458.5	3577.0	3685.9	3742.8	3828.1	3861.2	3899.1
37.5°	2648.4	2762.1	2868.7	2999.0	3155.3	3278.5	3413.5	3541.4	3657.5	3704.9	3761.8
40°	2335.7	2428.1	2529.9	2643.6	2785.8	2946.9	3093.7	3271.4	3408.8	3503.5	3586.5
42.5°	2098.8	2143.8	2231.5	2333.3	2447.0	2610.5	2759.7	2958.7	3124.5	3259.6	3396.9
45°	1888.0	1909.3	1973.3	2027.7	2143.8	2288.3	2447.0	2641.3	2814.2	2987.1	3153.0
47.5°	1707.9	1734.0	1764.8	1798.0	1880.9	2001.7	2139.1	2314.4	2487.3	2688.7	2878.2
50°	1587.1	1594.2	1599.0	1613.2	1662.9	1745.9	1857.2	2006.4	2172.2	2387.8	2589.2
52.5°	1480.5	1480.5	1466.3	1459.2	1478.2	1530.3	1594.2	1700.8	1871.4	2070.4	2283.6
55°	1366.8	1345.5	1340.8	1317.1	1321.8	1345.5	1376.3	1459.2	1599.0	1769.5	1975.6
57.5°	1208.1	1198.6	1198.6	1189.2	1170.2	1182.1	1189.2	1248.4	1347.9	1494.8	1674.8
60°	1025.7	1021.0	1032.8	1035.2	1018.6	1025.7	1023.3	1058.9	1129.9	1248.4	1397.6
62.5°	843.3	864.6	867.0	876.5	867.0	864.6	876.5	907.3	942.8	1032.8	1148.9
65°	708.3	720.1	722.5	734.3	729.6	729.6	739.1	762.8	784.1	845.7	935.7
67.5°	620.6	615.9	618.3	625.4	618.3	615.9	623.0	637.2	653.8	691.7	755.7
70°	551.9	547.2	547.2	547.2	537.7	530.6	533.0	537.7	544.8	566.2	606.4
72.5°	499.8	499.8	492.7	485.6	478.5	473.8	469.0	464.3	461.9	469.0	490.4
75°	452.5	454.8	452.5	445.3	435.9	426.4	416.9	407.4	395.6	390.9	393.2
77.5°	409.8	412.2	414.6	412.2	402.7	390.9	376.6	362.4	345.9	329.3	319.8
80°	371.9	376.6	379.0	376.6	369.5	360.1	343.5	326.9	303.2	281.9	258.2
82.5°	338.7	345.9	348.2	348.2	343.5	334.0	315.1	296.1	270.1	241.6	210.8
85°	312.7	317.4	322.2	322.2	319.8	310.3	291.4	270.1	244.0	210.8	177.7
87.5°	286.6	289.0	293.7	298.5	293.7	284.3	267.7	244.0	217.9	184.8	146.9
90°	260.6	262.9	267.7	272.4	270.1	260.6	246.4	225.0	196.6	161.1	123.2
92.5°	234.5	239.3	241.6	244.0	246.4	239.3	227.4	206.1	177.7	142.1	106.6
95°	215.6	215.6	220.3	222.7	225.0	217.9	208.5	187.1	161.1	127.9	92.4
97.5°	196.6	196.6	201.4	201.4	203.7	199.0	189.5	170.6	144.5	113.7	78.2
100°	177.7	180.0	182.4	184.8	184.8	182.4	172.9	154.0	130.3	101.9	68.7
102.5°	165.8	165.8	168.2	168.2	170.6	165.8	156.3	139.8	116.1	90.0	59.2
105°	154.0	154.0	156.3	156.3	154.0	149.2	139.8	125.5	104.2	78.2	52.1
107.5°	144.5	144.5	144.5	144.5	142.1	137.4	127.9	111.3	92.4	71.1	47.4
110°	137.4	135.0	135.0	132.7	130.3	123.2	113.7	99.5	82.9	61.6	40.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	130.3	127.9	125.5	123.2	118.4	111.3	101.9	90.0	73.4	54.5	35.5
115°	123.2	120.8	118.4	113.7	109.0	101.9	92.4	80.5	64.0	47.4	30.8
117.5°	116.1	113.7	109.0	104.2	99.5	92.4	82.9	71.1	56.9	42.6	28.4
120°	106.6	104.2	101.9	97.1	92.4	82.9	73.4	64.0	49.7	37.9	23.7
122.5°	99.5	97.1	92.4	90.0	82.9	75.8	66.3	56.9	45.0	33.2	21.3
125°	90.0	87.6	85.3	80.5	75.8	66.3	59.2	49.7	40.3	28.4	16.6
127.5°	82.9	80.5	75.8	71.1	66.3	59.2	52.1	45.0	35.5	23.7	16.6
130°	73.4	71.1	68.7	64.0	59.2	52.1	47.4	37.9	30.8	21.3	14.2
132.5°	64.0	64.0	61.6	56.9	52.1	47.4	40.3	33.2	26.1	19.0	11.8
135°	59.2	56.9	54.5	49.7	47.4	40.3	35.5	28.4	21.3	16.6	9.5
137.5°	52.1	49.7	47.4	45.0	40.3	35.5	30.8	23.7	19.0	14.2	9.5
140°	45.0	42.6	42.6	37.9	35.5	30.8	26.1	21.3	16.6	11.8	7.1
142.5°	40.3	37.9	35.5	33.2	30.8	26.1	21.3	16.6	14.2	9.5	7.1
145°	35.5	33.2	30.8	28.4	26.1	21.3	19.0	14.2	11.8	9.5	7.1
147.5°	28.4	28.4	26.1	23.7	21.3	19.0	16.6	14.2	9.5	7.1	4.7
150°	23.7	23.7	21.3	19.0	19.0	16.6	14.2	11.8	9.5	7.1	4.7
152.5°	21.3	19.0	19.0	16.6	16.6	14.2	11.8	9.5	7.1	7.1	4.7
155°	16.6	16.6	16.6	14.2	14.2	11.8	9.5	9.5	7.1	4.7	4.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-127SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1
2.5°	4593.2	4564.8	4588.5	4631.1	4626.4	4621.6	4616.9	4626.4	4657.2	4640.6	4614.5
5°	4586.1	4557.7	4583.7	4624.0	4621.6	4614.5	4609.8	4619.3	4650.1	4633.5	4605.1
7.5°	4571.9	4545.8	4564.8	4605.1	4605.1	4600.3	4595.6	4605.1	4633.5	4619.3	4590.9
10°	4548.2	4529.3	4548.2	4586.1	4588.5	4579.0	4574.3	4586.1	4614.5	4607.4	4583.7
12.5°	4529.3	4510.3	4531.6	4569.5	4571.9	4562.4	4555.3	4569.5	4607.4	4612.2	4605.1
15°	4503.2	4486.6	4512.7	4553.0	4553.0	4545.8	4545.8	4564.8	4616.9	4638.2	4650.1
17.5°	4465.3	4453.5	4484.3	4524.5	4526.9	4522.2	4524.5	4562.4	4631.1	4683.2	4716.4
20°	4417.9	4413.2	4446.4	4489.0	4496.1	4498.5	4510.3	4567.2	4661.9	4733.0	4766.1
22.5°	4361.1	4363.4	4401.3	4446.4	4455.8	4462.9	4486.6	4567.2	4685.6	4761.4	4775.6
25°	4297.1	4304.2	4344.5	4399.0	4410.8	4425.0	4465.3	4569.5	4692.7	4742.5	4718.8
27.5°	4228.4	4242.6	4294.7	4351.6	4365.8	4389.5	4441.6	4555.3	4659.6	4661.9	4574.3
30°	4157.4	4173.9	4235.5	4301.9	4325.5	4349.2	4413.2	4522.2	4579.0	4503.2	4349.2
32.5°	4076.8	4100.5	4162.1	4242.6	4271.1	4301.9	4365.8	4458.2	4436.9	4273.4	4053.1
35°	3974.9	4008.1	4079.2	4173.9	4200.0	4240.3	4285.3	4306.6	4211.8	3979.7	3731.0
37.5°	3849.4	3899.1	3982.1	4091.0	4119.5	4145.5	4157.4	4098.1	3908.6	3657.5	3399.3
40°	3704.9	3780.7	3870.7	3991.5	4020.0	4020.0	3977.3	3851.8	3612.5	3283.2	2996.6
42.5°	3529.6	3622.0	3735.7	3856.5	3884.9	3851.8	3749.9	3529.6	3257.2	2890.0	2586.8
45°	3316.4	3439.6	3567.5	3693.1	3707.3	3633.8	3451.4	3171.9	2835.5	2494.4	2205.4
47.5°	3062.9	3224.0	3363.8	3505.9	3487.0	3363.8	3119.8	2802.4	2447.0	2124.9	1892.7
50°	2778.7	2968.2	3124.5	3259.6	3219.3	3048.7	2762.1	2430.5	2077.5	1802.7	1610.8
52.5°	2475.5	2693.4	2849.7	2958.7	2904.2	2700.5	2385.4	2068.0	1779.0	1527.9	1400.0
55°	2160.4	2380.7	2541.8	2627.1	2556.0	2335.7	2025.4	1736.4	1464.0	1300.5	1224.7
57.5°	1854.8	2060.9	2212.5	2281.2	2191.2	1970.9	1684.3	1440.3	1243.7	1106.3	1068.4
60°	1561.1	1729.3	1873.8	1925.9	1828.8	1625.0	1378.7	1184.4	1039.9	945.2	926.2
62.5°	1288.7	1426.1	1539.8	1580.0	1485.3	1326.6	1113.4	968.9	867.0	819.6	795.9
65°	1063.6	1144.2	1260.2	1253.1	1196.3	1049.4	893.1	791.2	724.9	694.1	679.9
67.5°	836.2	909.6	983.1	992.6	921.5	819.6	717.8	644.3	608.8	592.2	585.1
70°	646.7	701.2	746.2	734.3	696.4	632.5	568.5	528.3	514.0	506.9	506.9
72.5°	502.2	530.6	551.9	537.7	514.0	480.9	450.1	433.5	435.9	440.6	445.3
75°	388.5	395.6	400.3	386.1	381.4	360.1	357.7	360.1	374.3	388.5	395.6
77.5°	298.5	289.0	281.9	267.7	270.1	267.7	279.5	298.5	319.8	341.1	360.1
80°	229.8	208.5	191.9	177.7	184.8	196.6	220.3	248.7	277.2	300.8	324.5
82.5°	177.7	146.9	123.2	109.0	123.2	142.1	172.9	208.5	241.6	267.7	293.7
85°	137.4	101.9	73.4	59.2	73.4	101.9	135.0	175.3	210.8	239.3	265.3
87.5°	106.6	73.4	40.3	23.7	40.3	71.1	109.0	146.9	182.4	215.6	241.6
90°	85.3	49.7	19.0	4.7	21.3	49.7	85.3	123.2	158.7	194.2	220.3
92.5°	68.7	35.5	9.5	0.0	11.8	37.9	71.1	106.6	142.1	175.3	201.4
95°	56.9	28.4	7.1	0.0	9.5	28.4	56.9	92.4	125.5	158.7	180.0
97.5°	47.4	21.3	4.7	0.0	4.7	23.7	47.4	78.2	111.3	142.1	163.5
100°	40.3	19.0	4.7	0.0	4.7	19.0	40.3	68.7	97.1	125.5	146.9
102.5°	33.2	14.2	2.4	2.4	2.4	14.2	35.5	59.2	85.3	111.3	132.7
105°	30.8	11.8	2.4	2.4	2.4	11.8	30.8	52.1	75.8	99.5	118.4
107.5°	26.1	9.5	2.4	2.4	2.4	9.5	26.1	45.0	68.7	90.0	106.6
110°	21.3	9.5	2.4	2.4	2.4	9.5	21.3	40.3	59.2	78.2	94.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	19.0	7.1	2.4	2.4	2.4	7.1	19.0	35.5	52.1	71.1	85.3
115°	16.6	7.1	2.4	2.4	2.4	7.1	16.6	30.8	45.0	61.6	75.8
117.5°	14.2	7.1	2.4	2.4	2.4	4.7	14.2	26.1	40.3	54.5	68.7
120°	11.8	4.7	2.4	2.4	2.4	4.7	11.8	23.7	35.5	47.4	59.2
122.5°	11.8	4.7	2.4	2.4	2.4	4.7	9.5	19.0	30.8	40.3	52.1
125°	9.5	4.7	2.4	2.4	2.4	2.4	9.5	16.6	26.1	35.5	45.0
127.5°	9.5	4.7	2.4	2.4	2.4	2.4	7.1	14.2	21.3	30.8	40.3
130°	7.1	4.7	2.4	2.4	2.4	2.4	4.7	11.8	19.0	26.1	33.2
132.5°	7.1	4.7	2.4	2.4	2.4	2.4	4.7	9.5	14.2	21.3	28.4
135°	7.1	2.4	2.4	2.4	2.4	2.4	2.4	7.1	11.8	16.6	21.3
137.5°	4.7	2.4	2.4	2.4	2.4	2.4	2.4	4.7	9.5	11.8	19.0
140°	4.7	2.4	2.4	2.4	2.4	2.4	2.4	4.7	7.1	9.5	14.2
142.5°	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	7.1	11.8
145°	4.7	2.4	2.4	4.7	4.7	2.4	2.4	4.7	4.7	7.1	9.5
147.5°	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	7.1
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1
152.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
155°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-127SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1
2.5°	4609.8	4555.3	4583.7	4574.3	4583.7	4607.4	4605.1	4598.0	4602.7	4590.9	4579.0
5°	4600.3	4545.8	4574.3	4562.4	4574.3	4598.0	4593.2	4586.1	4593.2	4579.0	4567.2
7.5°	4588.5	4538.7	4571.9	4569.5	4590.9	4621.6	4624.0	4624.0	4640.6	4619.3	4609.8
10°	4588.5	4562.4	4607.4	4624.0	4678.5	4718.8	4723.5	4733.0	4761.4	4756.7	4733.0
12.5°	4638.2	4633.5	4699.8	4740.1	4789.8	4846.7	4877.5	4887.0	4905.9	4891.7	4882.2
15°	4702.2	4725.9	4799.3	4844.3	4898.8	4941.4	4948.6	4953.3	4967.5	4946.2	4929.6
17.5°	4787.5	4801.7	4860.9	4879.9	4915.4	4922.5	4913.0	4889.3	4889.3	4842.0	4827.7
20°	4827.7	4820.6	4844.3	4813.5	4799.3	4756.7	4716.4	4671.4	4669.0	4619.3	4614.5
22.5°	4792.2	4744.8	4695.1	4619.3	4586.1	4524.5	4470.0	4444.0	4427.4	4363.4	4346.9
25°	4666.7	4550.6	4477.1	4387.1	4306.6	4235.5	4183.4	4128.9	4076.8	4024.7	4001.0
27.5°	4448.7	4339.8	4221.3	4095.8	3984.4	3875.5	3787.8	3733.3	3683.6	3614.9	3579.3
30°	4181.0	4029.4	3899.1	3778.3	3595.9	3463.3	3389.8	3280.9	3243.0	3212.2	3145.8
32.5°	3866.0	3683.6	3505.9	3342.5	3155.3	3032.1	2935.0	2854.5	2830.8	2750.2	2731.3
35°	3517.8	3278.5	3077.2	2916.1	2781.0	2631.8	2551.3	2496.8	2449.4	2394.9	2385.4
37.5°	3107.9	2892.4	2665.0	2522.8	2416.2	2288.3	2226.7	2188.8	2167.5	2127.2	2120.1
40°	2695.8	2480.2	2323.9	2181.7	2115.4	2046.7	2001.7	1985.1	1975.6	1961.4	1947.2
42.5°	2321.5	2132.0	2020.6	1925.9	1897.5	1864.3	1852.4	1861.9	1852.4	1847.7	1845.3
45°	2004.1	1859.6	1781.4	1753.0	1745.9	1736.4	1745.9	1762.4	1764.8	1760.1	1760.1
47.5°	1715.1	1646.4	1613.2	1617.9	1629.8	1636.9	1653.5	1674.8	1679.5	1667.7	1672.4
50°	1525.5	1485.3	1478.2	1497.1	1523.2	1532.7	1551.6	1568.2	1565.8	1561.1	1556.3
52.5°	1347.9	1336.0	1355.0	1373.9	1402.4	1407.1	1414.2	1421.3	1418.9	1409.5	1404.7
55°	1198.6	1208.1	1224.7	1231.8	1253.1	1250.8	1253.1	1253.1	1243.7	1238.9	1231.8
57.5°	1063.6	1066.0	1075.5	1077.8	1089.7	1084.9	1082.6	1077.8	1063.6	1061.3	1054.1
60°	926.2	921.5	942.8	926.2	935.7	926.2	923.9	912.0	897.8	895.4	890.7
62.5°	795.9	786.5	800.7	793.6	798.3	788.8	784.1	769.9	758.0	755.7	753.3
65°	679.9	675.1	689.3	687.0	691.7	679.9	675.1	665.7	656.2	653.8	651.4
67.5°	582.7	594.6	601.7	601.7	606.4	604.1	592.2	589.8	587.5	578.0	578.0
70°	511.7	518.8	533.0	535.4	533.0	537.7	528.3	525.9	523.5	518.8	516.4
72.5°	454.8	464.3	478.5	480.9	478.5	478.5	473.8	471.4	471.4	464.3	464.3
75°	409.8	421.7	433.5	433.5	433.5	428.8	424.0	424.0	419.3	416.9	412.2
77.5°	371.9	386.1	395.6	393.2	390.9	386.1	386.1	379.0	371.9	371.9	367.2
80°	343.5	353.0	360.1	357.7	355.3	348.2	345.9	338.7	334.0	326.9	326.9
82.5°	312.7	324.5	329.3	326.9	322.2	315.1	312.7	308.0	303.2	300.8	296.1
85°	286.6	298.5	300.8	296.1	291.4	286.6	284.3	281.9	279.5	274.8	274.8
87.5°	260.6	272.4	272.4	270.1	265.3	262.9	260.6	258.2	255.8	253.5	251.1
90°	239.3	248.7	248.7	246.4	244.0	241.6	239.3	236.9	234.5	232.1	232.1
92.5°	217.9	227.4	227.4	225.0	222.7	220.3	220.3	217.9	215.6	213.2	210.8
95°	199.0	208.5	208.5	208.5	206.1	203.7	203.7	201.4	199.0	199.0	196.6
97.5°	180.0	189.5	189.5	189.5	187.1	184.8	184.8	182.4	182.4	182.4	180.0
100°	163.5	170.6	172.9	172.9	170.6	170.6	170.6	168.2	168.2	168.2	165.8
102.5°	146.9	154.0	158.7	158.7	158.7	156.3	156.3	156.3	156.3	156.3	154.0
105°	132.7	139.8	144.5	146.9	146.9	146.9	146.9	146.9	146.9	146.9	146.9
107.5°	120.8	127.9	132.7	135.0	137.4	137.4	139.8	139.8	139.8	139.8	139.8
110°	109.0	116.1	123.2	125.5	127.9	130.3	130.3	132.7	130.3	130.3	130.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	97.1	106.6	111.3	116.1	118.4	120.8	123.2	123.2	123.2	123.2	123.2
115°	87.6	97.1	101.9	106.6	111.3	113.7	113.7	116.1	116.1	116.1	113.7
117.5°	78.2	87.6	92.4	97.1	99.5	104.2	106.6	106.6	106.6	106.6	104.2
120°	71.1	78.2	82.9	87.6	92.4	94.8	97.1	97.1	97.1	97.1	97.1
122.5°	61.6	68.7	75.8	80.5	82.9	85.3	87.6	87.6	87.6	87.6	87.6
125°	54.5	61.6	66.3	71.1	73.4	78.2	78.2	78.2	78.2	78.2	78.2
127.5°	47.4	54.5	59.2	64.0	66.3	68.7	71.1	71.1	71.1	71.1	71.1
130°	40.3	47.4	52.1	56.9	59.2	61.6	61.6	64.0	64.0	64.0	64.0
132.5°	35.5	40.3	45.0	49.7	52.1	54.5	54.5	56.9	56.9	56.9	56.9
135°	28.4	35.5	37.9	42.6	45.0	47.4	47.4	49.7	49.7	49.7	49.7
137.5°	23.7	28.4	33.2	37.9	40.3	40.3	42.6	42.6	45.0	45.0	45.0
140°	19.0	21.3	28.4	30.8	33.2	35.5	37.9	37.9	37.9	37.9	37.9
142.5°	14.2	19.0	21.3	26.1	28.4	30.8	33.2	33.2	33.2	33.2	33.2
145°	11.8	14.2	16.6	21.3	23.7	26.1	28.4	28.4	28.4	28.4	28.4
147.5°	9.5	11.8	14.2	16.6	19.0	21.3	23.7	23.7	23.7	23.7	23.7
150°	7.1	9.5	11.8	11.8	14.2	16.6	19.0	21.3	21.3	21.3	21.3
152.5°	7.1	7.1	9.5	9.5	11.8	14.2	16.6	16.6	16.6	16.6	16.6
155°	4.7	7.1	7.1	7.1	9.5	9.5	11.8	14.2	14.2	14.2	14.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-127SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1
2.5°	4586.1	4595.6	4590.9	4583.7	4581.4	4593.2	4581.4	4526.9	4548.2	4550.6	4567.2
5°	4579.0	4586.1	4581.4	4576.6	4569.5	4583.7	4569.5	4512.7	4534.0	4536.4	4553.0
7.5°	4626.4	4628.8	4628.8	4616.9	4598.0	4605.1	4586.1	4522.2	4534.0	4534.0	4545.8
10°	4744.8	4749.6	4756.7	4725.9	4702.2	4683.2	4657.2	4579.0	4576.6	4557.7	4557.7
12.5°	4898.8	4887.0	4875.1	4860.9	4842.0	4818.3	4780.4	4688.0	4657.2	4626.4	4595.6
15°	4943.8	4939.1	4936.7	4929.6	4917.8	4910.7	4882.2	4789.8	4744.8	4706.9	4652.4
17.5°	4825.4	4834.8	4865.6	4868.0	4882.2	4910.7	4905.9	4842.0	4801.7	4785.1	4718.8
20°	4612.2	4614.5	4652.4	4669.0	4730.6	4778.0	4813.5	4806.4	4796.9	4815.9	4766.1
22.5°	4356.3	4372.9	4413.2	4439.2	4498.5	4553.0	4609.8	4640.6	4690.3	4768.5	4759.0
25°	4008.1	4029.4	4086.3	4128.9	4211.8	4294.7	4370.5	4425.0	4484.3	4633.5	4683.2
27.5°	3591.2	3624.4	3697.8	3740.4	3856.5	3941.8	4050.8	4157.4	4240.3	4410.8	4512.7
30°	3153.0	3181.4	3259.6	3318.8	3418.3	3534.3	3671.7	3823.3	3960.7	4133.7	4261.6
32.5°	2743.1	2773.9	2837.9	2890.0	3001.3	3098.5	3250.1	3437.2	3565.1	3804.4	3974.9
35°	2385.4	2413.9	2458.9	2503.9	2596.3	2695.8	2826.1	3008.5	3171.9	3420.6	3636.2
37.5°	2134.3	2139.1	2165.1	2191.2	2259.9	2335.7	2437.6	2598.6	2750.2	3017.9	3254.8
40°	1954.3	1954.3	1968.5	1975.6	2006.4	2051.4	2115.4	2240.9	2366.5	2570.2	2859.2
42.5°	1843.0	1838.2	1838.2	1840.6	1838.2	1859.6	1897.5	1956.7	2068.0	2236.2	2461.2
45°	1760.1	1750.6	1743.5	1726.9	1717.4	1717.4	1719.8	1741.1	1805.1	1914.0	2096.4
47.5°	1667.7	1665.3	1653.5	1634.5	1617.9	1606.1	1587.1	1580.0	1599.0	1660.6	1783.8
50°	1561.1	1549.2	1537.4	1523.2	1504.2	1492.4	1456.8	1459.2	1442.6	1471.1	1535.0
52.5°	1404.7	1395.3	1390.5	1378.7	1371.6	1366.8	1338.4	1310.0	1302.9	1307.6	1331.3
55°	1231.8	1236.5	1217.6	1227.1	1224.7	1203.4	1191.5	1170.2	1163.1	1160.7	1172.6
57.5°	1051.8	1056.5	1044.7	1054.1	1054.1	1042.3	1035.2	1035.2	1018.6	1004.4	1021.0
60°	888.3	878.8	886.0	897.8	897.8	890.7	886.0	886.0	874.1	869.4	881.2
62.5°	755.7	746.2	753.3	765.1	767.5	762.8	758.0	758.0	743.8	743.8	753.3
65°	653.8	656.2	653.8	663.3	663.3	665.7	660.9	656.2	639.6	646.7	644.3
67.5°	580.4	578.0	578.0	587.5	585.1	589.8	585.1	578.0	566.2	556.7	554.3
70°	518.8	516.4	516.4	521.1	523.5	523.5	521.1	516.4	499.8	490.4	483.2
72.5°	464.3	461.9	464.3	466.7	469.0	471.4	469.0	464.3	450.1	438.2	426.4
75°	414.6	412.2	419.3	419.3	421.7	421.7	424.0	421.7	409.8	395.6	381.4
77.5°	364.8	367.2	374.3	376.6	381.4	383.8	386.1	386.1	374.3	362.4	343.5
80°	324.5	329.3	334.0	336.4	341.1	348.2	350.6	353.0	343.5	331.6	310.3
82.5°	296.1	298.5	303.2	305.6	312.7	315.1	317.4	322.2	317.4	305.6	281.9
85°	272.4	274.8	279.5	279.5	284.3	289.0	291.4	293.7	291.4	279.5	255.8
87.5°	251.1	253.5	255.8	258.2	260.6	262.9	265.3	267.7	265.3	253.5	232.1
90°	232.1	232.1	234.5	234.5	236.9	239.3	244.0	244.0	241.6	232.1	210.8
92.5°	210.8	213.2	213.2	215.6	217.9	220.3	222.7	222.7	220.3	210.8	191.9
95°	196.6	196.6	199.0	199.0	201.4	201.4	203.7	203.7	201.4	191.9	172.9
97.5°	180.0	180.0	180.0	180.0	182.4	182.4	184.8	184.8	182.4	172.9	156.3
100°	165.8	165.8	165.8	165.8	165.8	168.2	168.2	168.2	165.8	156.3	139.8
102.5°	154.0	154.0	154.0	154.0	154.0	154.0	154.0	154.0	149.2	142.1	125.5
105°	146.9	146.9	146.9	144.5	144.5	144.5	142.1	142.1	135.0	127.9	113.7
107.5°	137.4	137.4	137.4	135.0	135.0	132.7	130.3	130.3	123.2	116.1	101.9
110°	130.3	130.3	130.3	127.9	125.5	123.2	120.8	118.4	111.3	101.9	90.0





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	123.2	123.2	120.8	120.8	118.4	116.1	111.3	109.0	101.9	92.4	80.5
115°	113.7	113.7	113.7	111.3	109.0	106.6	104.2	99.5	92.4	82.9	71.1
117.5°	104.2	104.2	104.2	101.9	99.5	97.1	94.8	90.0	82.9	73.4	64.0
120°	94.8	94.8	94.8	92.4	90.0	87.6	85.3	80.5	73.4	66.3	54.5
122.5°	87.6	87.6	85.3	82.9	80.5	78.2	75.8	71.1	66.3	56.9	47.4
125°	78.2	78.2	75.8	75.8	73.4	71.1	68.7	64.0	56.9	49.7	42.6
127.5°	71.1	68.7	68.7	68.7	66.3	64.0	59.2	56.9	49.7	42.6	35.5
130°	61.6	61.6	61.6	59.2	59.2	56.9	52.1	47.4	42.6	37.9	30.8
132.5°	54.5	54.5	54.5	54.5	52.1	49.7	45.0	42.6	37.9	30.8	26.1
135°	49.7	49.7	47.4	47.4	45.0	42.6	40.3	35.5	30.8	26.1	21.3
137.5°	42.6	42.6	42.6	40.3	40.3	37.9	33.2	30.8	28.4	23.7	19.0
140°	37.9	37.9	35.5	35.5	33.2	33.2	30.8	26.1	23.7	19.0	16.6
142.5°	33.2	33.2	30.8	30.8	28.4	28.4	26.1	23.7	19.0	16.6	11.8
145°	28.4	28.4	26.1	26.1	26.1	23.7	21.3	19.0	16.6	14.2	11.8
147.5°	23.7	23.7	23.7	21.3	21.3	19.0	19.0	16.6	14.2	11.8	9.5
150°	21.3	21.3	19.0	19.0	19.0	16.6	14.2	14.2	11.8	9.5	7.1
152.5°	16.6	16.6	16.6	16.6	14.2	14.2	11.8	11.8	9.5	7.1	7.1
155°	14.2	14.2	14.2	11.8	11.8	11.8	9.5	9.5	7.1	7.1	4.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-127SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1	4586.1
2.5°	4560.1	4557.7	4579.0	4576.6	4548.2	4590.9	4619.3
5°	4548.2	4545.8	4564.8	4569.5	4538.7	4583.7	4614.5
7.5°	4538.7	4536.4	4557.7	4564.8	4534.0	4574.3	4607.4
10°	4541.1	4529.3	4548.2	4553.0	4524.5	4567.2	4595.6
12.5°	4557.7	4529.3	4536.4	4536.4	4510.3	4548.2	4579.0
15°	4598.0	4538.7	4529.3	4522.2	4489.0	4524.5	4555.3
17.5°	4643.0	4562.4	4529.3	4505.6	4465.3	4496.1	4529.3
20°	4688.0	4588.5	4534.0	4496.1	4441.6	4470.0	4493.7
22.5°	4709.3	4612.2	4538.7	4481.9	4413.2	4427.4	4453.5
25°	4680.9	4602.7	4529.3	4460.6	4377.7	4380.0	4401.3
27.5°	4576.6	4555.3	4507.9	4439.2	4349.2	4337.4	4354.0
30°	4399.0	4458.2	4460.6	4410.8	4316.1	4292.4	4299.5
32.5°	4150.2	4282.9	4361.1	4351.6	4268.7	4235.5	4240.3
35°	3863.6	4029.4	4200.0	4256.8	4197.6	4171.6	4162.1
37.5°	3520.1	3742.8	3970.2	4110.0	4100.5	4083.9	4074.4
40°	3141.1	3408.8	3678.8	3901.5	3970.2	3970.2	3974.9
42.5°	2736.0	3048.7	3344.8	3626.7	3787.8	3823.3	3837.6
45°	2345.2	2660.2	2982.4	3306.9	3522.5	3633.8	3674.1
47.5°	1989.8	2307.3	2612.9	2968.2	3254.8	3399.3	3463.3
50°	1686.6	1923.5	2245.7	2598.6	2911.3	3089.0	3214.5
52.5°	1435.5	1620.3	1902.2	2231.5	2546.5	2790.5	2906.6
55°	1224.7	1350.3	1589.5	1873.8	2174.6	2428.1	2563.1
57.5°	1047.0	1146.5	1310.0	1546.9	1800.3	2051.4	2195.9
60°	890.7	959.4	1070.7	1257.9	1473.4	1689.0	1828.8
62.5°	755.7	800.7	874.1	1011.5	1179.7	1347.9	1478.2
65°	651.4	670.4	710.7	795.9	923.9	1051.8	1163.1
67.5°	549.6	561.4	592.2	644.3	708.3	800.7	874.1
70°	473.8	473.8	476.1	506.9	540.1	599.3	651.4
72.5°	412.2	405.1	390.9	398.0	405.1	438.2	471.4
75°	362.4	345.9	322.2	312.7	308.0	312.7	331.6
77.5°	319.8	296.1	267.7	244.0	225.0	217.9	234.5
80°	284.3	255.8	222.7	191.9	161.1	144.5	151.6
82.5°	255.8	220.3	184.8	149.2	113.7	90.0	90.0
85°	225.0	191.9	154.0	116.1	80.5	49.7	45.0
87.5°	203.7	168.2	127.9	92.4	56.9	26.1	14.2
90°	182.4	146.9	109.0	73.4	40.3	11.8	0.0
92.5°	163.5	130.3	94.8	59.2	28.4	7.1	0.0
95°	146.9	116.1	80.5	49.7	23.7	4.7	2.4
97.5°	130.3	101.9	71.1	40.3	16.6	4.7	2.4
100°	118.4	90.0	61.6	33.2	14.2	2.4	2.4
102.5°	104.2	80.5	52.1	28.4	11.8	2.4	2.4
105°	92.4	71.1	45.0	23.7	9.5	2.4	2.4
107.5°	82.9	61.6	40.3	21.3	9.5	2.4	2.4
110°	73.4	54.5	35.5	19.0	7.1	2.4	2.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	66.3	47.4	30.8	16.6	4.7	2.4	2.4
115°	56.9	42.6	26.1	14.2	4.7	2.4	2.4
117.5°	49.7	35.5	23.7	11.8	4.7	2.4	2.4
120°	42.6	30.8	19.0	9.5	2.4	2.4	2.4
122.5°	37.9	26.1	16.6	9.5	2.4	2.4	2.4
125°	33.2	23.7	14.2	7.1	2.4	2.4	2.4
127.5°	28.4	19.0	11.8	4.7	2.4	2.4	2.4
130°	23.7	16.6	9.5	4.7	2.4	2.4	2.4
132.5°	19.0	14.2	9.5	4.7	2.4	2.4	2.4
135°	16.6	11.8	7.1	4.7	2.4	2.4	2.4
137.5°	14.2	9.5	4.7	4.7	4.7	2.4	2.4
140°	11.8	7.1	4.7	4.7	4.7	4.7	2.4
142.5°	9.5	7.1	4.7	4.7	4.7	4.7	2.4
145°	7.1	4.7	4.7	4.7	4.7	4.7	2.4
147.5°	7.1	4.7	4.7	4.7	4.7	4.7	2.4
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
152.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
155°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)