

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-L930-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-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR LENSED  
Light Source: -  
Ballast/Driver: -

**Summary**

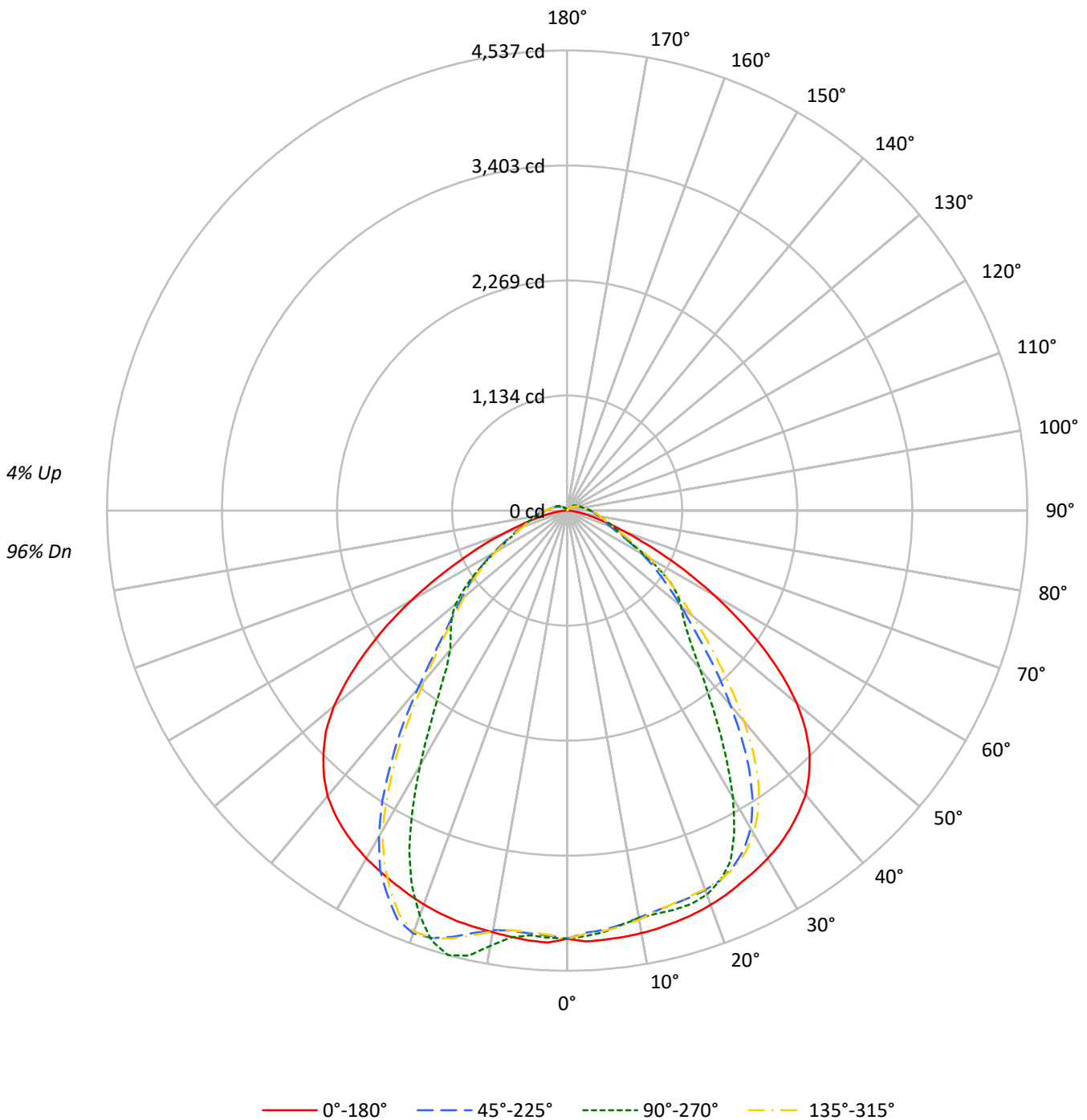
Lumens per Lamp: N/A  
Luminaire Lumens: 10063.0 lumens  
Efficiency: N/A  
Efficacy: 97.7 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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°	17056	17056	17056	17056
5°	17203	16379	17239	16508
10°	17307	15698	17271	16764
15°	17466	15488	17456	17245
20°	17684	15243	17666	16067
25°	17930	14460	17920	13972
30°	18298	12533	18308	11103
35°	18692	10134	18745	8576
40°	19048	8160	19127	7189
45°	19026	6912	19125	6730
50°	18258	6363	18514	6221
55°	16256	5720	16662	5200
60°	13244	4378	13947	4015
65°	9904	3349	10670	3176
70°	6792	2891	7656	2764
75°	4504	2609	5243	2467
80°	2982	2433	3495	2238
85°	1628	2426	2144	2216



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	401.0	4.0
10°-20°	1193.0	11.9
20°-30°	1813.7	18.0
30°-40°	1945.7	19.3
40°-50°	1688.6	16.8
50°-60°	1251.4	12.4
60°-70°	717.0	7.1
70°-80°	397.1	3.9
80°-90°	241.8	2.4
90°-100°	157.2	1.6
100°-110°	105.3	1.0
110°-120°	71.1	0.7
120°-130°	43.6	0.4
130°-140°	22.9	0.2
140°-150°	10.5	0.1
150°-160°	3.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3407.7	33.9
0°-40°	5353.3	53.2
0°-60°	8293.4	82.4
0°-90°	9649.3	95.9
90°-120°	333.6	3.3
90°-150°	410.7	4.1
90°-180°	414.0	4.1
0°-180°	10063.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4221	4221	4221	4221	4221	
5°	4247	4171	4256	4204	4247	405
15°	4193	4075	4191	4537	4193	1186
25°	4051	3811	4049	3683	4051	1873
35°	3831	2595	3842	2196	3831	2398
45°	3382	1664	3399	1620	3382	2589
55°	2359	1247	2418	1134	2359	2092
65°	1071	632	1153	600	1071	1079
75°	305	401	355	379	305	349
85°	41	277	54	253	41	55
90°	0	231	4	214	0	2
95°	2	190	0	181	2	1
105°	2	142	2	135	2	2
115°	2	116	2	105	2	2
125°	2	87	2	72	2	2
135°	2	54	2	46	2	2
145°	2	33	4	26	2	2
155°	4	15	4	13	4	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	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°	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2
2.5°	4251.7	4240.8	4236.4	4227.7	4234.3	4260.4	4243.0	4214.6	4216.8	4166.7	4192.8
5°	4247.3	4234.3	4227.7	4219.0	4223.4	4247.3	4229.9	4201.6	4199.4	4149.2	4173.2
7.5°	4240.8	4227.7	4216.8	4210.3	4212.5	4232.1	4210.3	4177.6	4171.0	4116.5	4138.3
10°	4229.9	4221.2	4205.9	4195.0	4192.8	4214.6	4179.7	4147.0	4131.8	4075.1	4096.9
12.5°	4214.6	4201.6	4186.3	4166.7	4164.5	4177.6	4149.2	4103.4	4088.2	4042.4	4066.4
15°	4192.8	4177.6	4160.1	4138.3	4127.4	4136.1	4101.3	4059.8	4057.6	4018.4	4051.1
17.5°	4168.8	4147.0	4127.4	4096.9	4081.6	4088.2	4059.8	4022.8	4027.1	4003.1	4040.2
20°	4136.1	4112.2	4081.6	4051.1	4029.3	4040.2	4020.6	3992.2	3998.8	3981.3	4014.0
22.5°	4099.1	4066.4	4029.3	3994.4	3977.0	3992.2	3977.0	3953.0	3955.2	3944.3	3963.9
25°	4051.1	4014.0	3970.4	3926.8	3918.1	3929.0	3920.3	3900.7	3891.9	3874.5	3883.2
27.5°	4007.5	3966.1	3911.6	3865.8	3850.5	3872.3	3852.7	3820.0	3796.0	3772.0	3754.6
30°	3957.3	3907.2	3846.2	3793.8	3780.7	3789.5	3761.1	3711.0	3647.7	3617.2	3569.2
32.5°	3902.8	3837.4	3761.1	3702.2	3693.5	3687.0	3634.7	3562.7	3464.6	3403.5	3329.4
35°	3830.9	3758.9	3667.4	3595.4	3582.3	3545.3	3460.2	3364.3	3237.8	3133.2	3006.7
37.5°	3750.2	3665.2	3569.2	3473.3	3436.2	3362.1	3242.2	3141.9	2950.0	2823.6	2670.9
40°	3658.6	3556.2	3438.4	3322.9	3261.8	3141.9	3004.5	2856.3	2670.9	2500.9	2372.2
42.5°	3532.2	3423.2	3283.6	3155.0	3050.3	2891.2	2729.8	2520.5	2350.4	2206.5	2075.7
45°	3381.7	3250.9	3089.6	2934.8	2801.8	2612.1	2422.4	2213.1	2071.3	1903.5	1814.1
47.5°	3187.7	3046.0	2873.7	2701.5	2527.0	2317.7	2119.3	1918.7	1777.0	1657.1	1591.7
50°	2958.7	2827.9	2638.2	2433.3	2241.4	2023.4	1825.0	1674.5	1537.2	1463.0	1412.9
52.5°	2675.3	2553.2	2359.1	2136.8	1951.4	1737.7	1556.8	1434.7	1336.6	1282.1	1264.6
55°	2359.1	2252.3	2060.4	1853.3	1663.6	1467.4	1330.0	1223.2	1160.0	1127.2	1129.4
57.5°	2021.2	1938.3	1757.4	1572.0	1393.2	1245.0	1120.7	1035.7	987.7	985.5	992.1
60°	1683.2	1622.2	1465.2	1306.0	1149.0	1029.1	937.6	878.7	848.2	850.3	848.2
62.5°	1360.5	1303.9	1190.5	1059.7	935.4	854.7	771.8	747.9	721.7	719.5	719.5
65°	1070.6	1026.9	935.4	841.6	747.9	695.5	654.1	625.8	606.1	601.8	604.0
67.5°	804.6	787.1	723.9	660.6	601.8	569.1	534.2	527.6	512.4	512.4	516.7
70°	599.6	586.5	551.6	514.6	490.6	468.8	451.3	451.3	449.2	447.0	457.9
72.5°	433.9	436.1	425.2	396.8	394.6	390.3	385.9	392.5	394.6	401.2	414.3
75°	305.3	311.8	311.8	307.4	316.2	327.1	333.6	344.5	357.6	366.3	381.6
77.5°	215.9	215.9	226.8	239.8	257.3	276.9	294.3	309.6	327.1	338.0	351.0
80°	139.5	146.1	163.5	187.5	211.5	237.7	261.6	281.3	298.7	316.2	324.9
82.5°	82.9	93.8	115.6	146.1	176.6	209.3	233.3	257.3	276.9	294.3	300.9
85°	41.4	56.7	82.9	115.6	148.3	183.2	213.7	235.5	257.3	272.5	281.3
87.5°	13.1	30.5	58.9	89.4	124.3	159.2	191.9	215.9	235.5	248.6	257.3
90°	0.0	15.3	41.4	74.1	106.8	141.7	172.2	198.4	218.0	228.9	235.5
92.5°	0.0	8.7	32.7	61.1	91.6	126.5	157.0	181.0	198.4	209.3	213.7
95°	2.2	6.5	24.0	50.1	80.7	113.4	141.7	163.5	181.0	191.9	194.1
97.5°	2.2	4.4	19.6	41.4	69.8	100.3	128.6	150.4	163.5	174.4	176.6
100°	2.2	4.4	15.3	37.1	61.1	89.4	115.6	135.2	150.4	159.2	161.3
102.5°	2.2	2.2	13.1	30.5	54.5	78.5	102.5	122.1	135.2	143.9	148.3
105°	2.2	2.2	10.9	26.2	48.0	69.8	91.6	111.2	122.1	130.8	135.2
107.5°	2.2	2.2	8.7	21.8	41.4	61.1	82.9	98.1	111.2	119.9	124.3
110°	2.2	2.2	6.5	19.6	34.9	54.5	72.0	87.2	100.3	109.0	113.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.2	2.2	6.5	17.4	30.5	48.0	63.2	78.5	89.4	98.1	104.7
115°	2.2	2.2	6.5	15.3	28.3	41.4	56.7	69.8	80.7	89.4	95.9
117.5°	2.2	2.2	6.5	13.1	24.0	37.1	50.1	63.2	72.0	80.7	87.2
120°	2.2	2.2	4.4	10.9	21.8	32.7	43.6	54.5	65.4	74.1	80.7
122.5°	2.2	2.2	4.4	10.9	17.4	28.3	39.2	48.0	58.9	65.4	72.0
125°	2.2	2.2	4.4	8.7	15.3	26.2	34.9	43.6	50.1	58.9	65.4
127.5°	2.2	2.2	4.4	8.7	13.1	21.8	30.5	39.2	45.8	52.3	56.7
130°	2.2	2.2	4.4	6.5	10.9	17.4	26.2	32.7	41.4	45.8	50.1
132.5°	2.2	2.2	2.2	6.5	8.7	13.1	19.6	28.3	34.9	41.4	43.6
135°	2.2	2.2	2.2	4.4	8.7	10.9	15.3	21.8	28.3	34.9	39.2
137.5°	2.2	2.2	2.2	4.4	6.5	10.9	13.1	17.4	24.0	28.3	34.9
140°	2.2	2.2	2.2	4.4	6.5	8.7	10.9	15.3	19.6	24.0	28.3
142.5°	2.2	2.2	2.2	4.4	4.4	6.5	8.7	13.1	15.3	19.6	24.0
145°	2.2	2.2	2.2	4.4	4.4	6.5	8.7	10.9	13.1	15.3	19.6
147.5°	2.2	2.2	2.2	4.4	4.4	4.4	6.5	8.7	10.9	13.1	15.3
150°	4.4	4.4	4.4	4.4	4.4	4.4	6.5	6.5	8.7	10.9	13.1
152.5°	4.4	4.4	4.4	4.4	4.4	4.4	6.5	6.5	6.5	8.7	10.9
155°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	6.5	6.5	8.7	8.7
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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2
2.5°	4184.1	4188.5	4214.6	4212.5	4208.1	4203.7	4203.7	4199.4	4203.7	4214.6	4210.3
5°	4162.3	4168.8	4188.5	4186.3	4181.9	4179.7	4177.6	4171.0	4175.4	4190.6	4186.3
7.5°	4123.1	4129.6	4147.0	4138.3	4131.8	4136.1	4125.2	4118.7	4127.4	4142.7	4140.5
10°	4081.6	4086.0	4107.8	4103.4	4092.5	4094.7	4083.8	4079.4	4090.4	4099.1	4101.3
12.5°	4053.3	4068.5	4088.2	4086.0	4083.8	4086.0	4075.1	4070.7	4077.3	4086.0	4083.8
15°	4046.7	4066.4	4088.2	4088.2	4090.4	4092.5	4081.6	4075.1	4081.6	4088.2	4086.0
17.5°	4040.2	4064.2	4083.8	4081.6	4083.8	4088.2	4070.7	4066.4	4075.1	4083.8	4079.4
20°	4018.4	4040.2	4053.3	4048.9	4048.9	4051.1	4029.3	4029.3	4042.4	4048.9	4051.1
22.5°	3957.3	3983.5	3983.5	3972.6	3972.6	3963.9	3957.3	3944.3	3959.5	3970.4	3979.2
25°	3865.8	3876.7	3863.6	3839.6	3826.5	3815.6	3785.1	3811.3	3811.3	3844.0	3854.9
27.5°	3737.1	3713.1	3676.1	3625.9	3615.0	3580.1	3560.5	3567.1	3578.0	3623.8	3658.6
30°	3525.6	3453.7	3390.5	3368.7	3320.7	3285.8	3250.9	3268.4	3288.0	3314.1	3386.1
32.5°	3246.6	3176.8	3074.3	3037.2	2987.1	2943.5	2902.1	2928.2	2963.1	2980.5	3059.0
35°	2926.0	2843.2	2749.4	2686.2	2633.9	2609.9	2557.6	2594.6	2631.7	2644.8	2712.4
37.5°	2585.9	2500.9	2418.0	2363.5	2313.4	2298.1	2263.2	2289.4	2317.7	2337.3	2394.0
40°	2263.2	2184.7	2121.5	2084.4	2049.5	2036.5	2023.4	2034.3	2056.1	2071.3	2114.9
42.5°	1986.3	1923.1	1879.5	1857.7	1833.7	1816.2	1818.4	1822.8	1833.7	1866.4	1886.0
45°	1744.3	1707.2	1678.9	1674.5	1659.3	1657.1	1654.9	1663.6	1670.2	1689.8	1705.0
47.5°	1550.2	1535.0	1528.4	1537.2	1543.7	1535.0	1539.3	1550.2	1563.3	1563.3	1561.1
50°	1397.6	1402.0	1410.7	1430.3	1443.4	1447.8	1452.1	1465.2	1467.4	1471.7	1465.2
52.5°	1273.3	1277.7	1301.7	1332.2	1347.5	1354.0	1362.7	1375.8	1375.8	1380.2	1371.4
55°	1146.9	1153.4	1177.4	1207.9	1221.0	1229.7	1238.4	1247.2	1253.7	1262.4	1255.9
57.5°	1007.3	1026.9	1042.2	1050.9	1059.7	1066.2	1072.7	1074.9	1088.0	1090.2	1101.1
60°	859.1	863.4	878.7	876.5	870.0	887.4	878.7	893.9	909.2	928.8	931.0
62.5°	717.3	719.5	730.4	726.1	734.8	732.6	739.1	739.1	750.0	758.8	769.7
65°	606.1	608.3	617.0	617.0	614.9	621.4	627.9	632.3	632.3	638.8	647.6
67.5°	523.3	529.8	538.5	542.9	547.3	547.3	553.8	556.0	560.4	562.5	566.9
70°	466.6	475.3	484.0	488.4	490.6	494.9	497.1	497.1	501.5	503.7	508.0
72.5°	425.2	433.9	440.4	440.4	444.8	447.0	447.0	449.2	451.3	455.7	460.1
75°	390.3	396.8	401.2	399.0	399.0	399.0	401.2	401.2	405.5	409.9	414.3
77.5°	357.6	364.1	364.1	359.8	359.8	359.8	359.8	361.9	364.1	368.5	372.8
80°	333.6	333.6	331.4	331.4	327.1	324.9	324.9	327.1	327.1	331.4	338.0
82.5°	307.4	307.4	305.3	303.1	300.9	298.7	298.7	300.9	303.1	305.3	309.6
85°	283.4	283.4	279.1	279.1	276.9	276.9	276.9	276.9	279.1	281.3	285.6
87.5°	259.5	257.3	255.1	252.9	252.9	252.9	252.9	252.9	255.1	259.5	261.6
90°	235.5	233.3	231.1	231.1	228.9	228.9	231.1	231.1	233.3	235.5	237.7
92.5°	213.7	211.5	209.3	209.3	207.1	207.1	209.3	207.1	211.5	211.5	213.7
95°	194.1	191.9	189.7	189.7	189.7	189.7	189.7	189.7	191.9	191.9	194.1
97.5°	176.6	174.4	172.2	172.2	174.4	172.2	174.4	174.4	174.4	176.6	178.8
100°	161.3	159.2	159.2	161.3	159.2	159.2	161.3	161.3	161.3	161.3	163.5
102.5°	148.3	148.3	148.3	148.3	148.3	148.3	150.4	150.4	150.4	150.4	152.6
105°	135.2	137.4	137.4	137.4	139.5	139.5	139.5	141.7	141.7	141.7	141.7
107.5°	126.5	128.6	128.6	130.8	130.8	133.0	133.0	133.0	133.0	135.2	135.2
110°	117.7	119.9	122.1	124.3	124.3	126.5	126.5	126.5	126.5	126.5	126.5





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	109.0	111.2	113.4	117.7	119.9	119.9	119.9	119.9	122.1	122.1	119.9
115°	100.3	104.7	106.8	111.2	113.4	113.4	115.6	115.6	115.6	115.6	113.4
117.5°	91.6	98.1	100.3	104.7	106.8	106.8	109.0	109.0	109.0	109.0	106.8
120°	85.0	89.4	93.8	95.9	98.1	100.3	100.3	102.5	102.5	102.5	100.3
122.5°	78.5	82.9	87.2	89.4	91.6	93.8	93.8	93.8	93.8	93.8	93.8
125°	69.8	74.1	78.5	80.7	82.9	85.0	85.0	87.2	87.2	87.2	85.0
127.5°	63.2	67.6	69.8	74.1	76.3	76.3	78.5	78.5	78.5	78.5	76.3
130°	54.5	58.9	63.2	65.4	67.6	67.6	69.8	69.8	69.8	69.8	69.8
132.5°	48.0	52.3	54.5	58.9	58.9	61.1	61.1	63.2	63.2	63.2	61.1
135°	43.6	45.8	48.0	52.3	52.3	54.5	54.5	54.5	54.5	54.5	54.5
137.5°	39.2	41.4	43.6	45.8	45.8	48.0	48.0	48.0	48.0	50.1	48.0
140°	32.7	37.1	39.2	39.2	41.4	41.4	41.4	43.6	43.6	43.6	41.4
142.5°	28.3	30.5	32.7	34.9	37.1	37.1	37.1	37.1	39.2	37.1	37.1
145°	21.8	26.2	28.3	30.5	32.7	32.7	32.7	32.7	32.7	32.7	32.7
147.5°	17.4	19.6	24.0	26.2	26.2	28.3	28.3	28.3	28.3	28.3	28.3
150°	15.3	15.3	19.6	21.8	24.0	24.0	24.0	24.0	24.0	24.0	24.0
152.5°	10.9	13.1	15.3	17.4	19.6	19.6	19.6	19.6	19.6	19.6	19.6
155°	10.9	10.9	13.1	13.1	15.3	15.3	15.3	15.3	17.4	15.3	15.3
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-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2
2.5°	4203.7	4201.6	4210.3	4201.6	4157.9	4175.4	4168.8	4192.8	4195.0	4201.6	4223.4
5°	4181.9	4181.9	4192.8	4184.1	4142.7	4160.1	4157.9	4181.9	4186.3	4190.6	4214.6
7.5°	4138.3	4140.5	4155.8	4149.2	4105.6	4131.8	4129.6	4157.9	4166.7	4175.4	4197.2
10°	4096.9	4094.7	4112.2	4105.6	4064.2	4094.7	4092.5	4120.9	4134.0	4149.2	4175.4
12.5°	4075.1	4068.5	4075.1	4068.5	4022.8	4046.7	4048.9	4081.6	4096.9	4116.5	4147.0
15°	4075.1	4064.2	4064.2	4051.1	3998.8	4014.0	4016.2	4038.0	4057.6	4077.3	4114.3
17.5°	4070.7	4059.8	4057.6	4046.7	3990.1	3990.1	3987.9	4003.1	4014.0	4033.7	4072.9
20°	4046.7	4042.4	4040.2	4033.7	3981.3	3972.6	3968.3	3968.3	3974.8	3981.3	4020.6
22.5°	3983.5	3987.9	3992.2	3996.6	3955.2	3939.9	3942.1	3937.7	3931.2	3931.2	3963.9
25°	3865.8	3887.6	3905.0	3924.6	3900.7	3889.8	3902.8	3896.3	3885.4	3876.7	3905.0
27.5°	3678.3	3724.1	3761.1	3809.1	3811.3	3802.5	3837.4	3833.1	3830.9	3817.8	3839.6
30°	3418.8	3490.8	3540.9	3610.7	3669.5	3678.3	3737.1	3745.9	3754.6	3748.0	3769.8
32.5°	3104.8	3202.9	3288.0	3397.0	3453.7	3503.8	3586.7	3621.6	3656.5	3667.4	3691.3
35°	2762.5	2873.7	2974.0	3093.9	3183.3	3292.3	3392.6	3445.0	3523.5	3554.0	3588.9
37.5°	2437.6	2542.3	2640.4	2760.3	2904.2	3017.6	3141.9	3259.6	3366.5	3410.1	3462.4
40°	2149.8	2234.9	2328.6	2433.3	2564.1	2712.4	2847.5	3011.1	3137.5	3224.7	3301.1
42.5°	1931.8	1973.2	2053.9	2147.7	2252.3	2402.8	2540.1	2723.3	2875.9	3000.2	3126.6
45°	1737.7	1757.4	1816.2	1866.4	1973.2	2106.2	2252.3	2431.1	2590.3	2749.4	2902.1
47.5°	1572.0	1596.0	1624.4	1654.9	1731.2	1842.4	1968.9	2130.2	2289.4	2474.7	2649.1
50°	1460.8	1467.4	1471.7	1484.8	1530.6	1606.9	1709.4	1846.8	1999.4	2197.8	2383.1
52.5°	1362.7	1362.7	1349.6	1343.1	1360.5	1408.5	1467.4	1565.5	1722.5	1905.6	2101.9
55°	1258.1	1238.4	1234.1	1212.3	1216.6	1238.4	1266.8	1343.1	1471.7	1628.7	1818.4
57.5°	1112.0	1103.3	1103.3	1094.5	1077.1	1088.0	1094.5	1149.0	1240.6	1375.8	1541.5
60°	944.1	939.7	950.6	952.8	937.6	944.1	941.9	974.6	1040.0	1149.0	1286.4
62.5°	776.2	795.8	798.0	806.7	798.0	795.8	806.7	835.1	867.8	950.6	1057.5
65°	651.9	662.8	665.0	675.9	671.6	671.6	680.3	702.1	721.7	778.4	861.2
67.5°	571.3	566.9	569.1	575.6	569.1	566.9	573.4	586.5	601.8	636.7	695.5
70°	508.0	503.7	503.7	503.7	494.9	488.4	490.6	494.9	501.5	521.1	558.2
72.5°	460.1	460.1	453.5	447.0	440.4	436.1	431.7	427.4	425.2	431.7	451.3
75°	416.4	418.6	416.4	409.9	401.2	392.5	383.7	375.0	364.1	359.8	361.9
77.5°	377.2	379.4	381.6	379.4	370.7	359.8	346.7	333.6	318.3	303.1	294.3
80°	342.3	346.7	348.9	346.7	340.1	331.4	316.2	300.9	279.1	259.5	237.7
82.5°	311.8	318.3	320.5	320.5	316.2	307.4	290.0	272.5	248.6	222.4	194.1
85°	287.8	292.2	296.5	296.5	294.3	285.6	268.2	248.6	224.6	194.1	163.5
87.5°	263.8	266.0	270.4	274.7	270.4	261.6	246.4	224.6	200.6	170.1	135.2
90°	239.8	242.0	246.4	250.7	248.6	239.8	226.8	207.1	181.0	148.3	113.4
92.5°	215.9	220.2	222.4	224.6	226.8	220.2	209.3	189.7	163.5	130.8	98.1
95°	198.4	198.4	202.8	205.0	207.1	200.6	191.9	172.2	148.3	117.7	85.0
97.5°	181.0	181.0	185.3	185.3	187.5	183.2	174.4	157.0	133.0	104.7	72.0
100°	163.5	165.7	167.9	170.1	170.1	167.9	159.2	141.7	119.9	93.8	63.2
102.5°	152.6	152.6	154.8	154.8	157.0	152.6	143.9	128.6	106.8	82.9	54.5
105°	141.7	141.7	143.9	143.9	141.7	137.4	128.6	115.6	95.9	72.0	48.0
107.5°	133.0	133.0	133.0	133.0	130.8	126.5	117.7	102.5	85.0	65.4	43.6
110°	126.5	124.3	124.3	122.1	119.9	113.4	104.7	91.6	76.3	56.7	37.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	119.9	117.7	115.6	113.4	109.0	102.5	93.8	82.9	67.6	50.1	32.7
115°	113.4	111.2	109.0	104.7	100.3	93.8	85.0	74.1	58.9	43.6	28.3
117.5°	106.8	104.7	100.3	95.9	91.6	85.0	76.3	65.4	52.3	39.2	26.2
120°	98.1	95.9	93.8	89.4	85.0	76.3	67.6	58.9	45.8	34.9	21.8
122.5°	91.6	89.4	85.0	82.9	76.3	69.8	61.1	52.3	41.4	30.5	19.6
125°	82.9	80.7	78.5	74.1	69.8	61.1	54.5	45.8	37.1	26.2	15.3
127.5°	76.3	74.1	69.8	65.4	61.1	54.5	48.0	41.4	32.7	21.8	15.3
130°	67.6	65.4	63.2	58.9	54.5	48.0	43.6	34.9	28.3	19.6	13.1
132.5°	58.9	58.9	56.7	52.3	48.0	43.6	37.1	30.5	24.0	17.4	10.9
135°	54.5	52.3	50.1	45.8	43.6	37.1	32.7	26.2	19.6	15.3	8.7
137.5°	48.0	45.8	43.6	41.4	37.1	32.7	28.3	21.8	17.4	13.1	8.7
140°	41.4	39.2	39.2	34.9	32.7	28.3	24.0	19.6	15.3	10.9	6.5
142.5°	37.1	34.9	32.7	30.5	28.3	24.0	19.6	15.3	13.1	8.7	6.5
145°	32.7	30.5	28.3	26.2	24.0	19.6	17.4	13.1	10.9	8.7	6.5
147.5°	26.2	26.2	24.0	21.8	19.6	17.4	15.3	13.1	8.7	6.5	4.4
150°	21.8	21.8	19.6	17.4	17.4	15.3	13.1	10.9	8.7	6.5	4.4
152.5°	19.6	17.4	17.4	15.3	15.3	13.1	10.9	8.7	6.5	6.5	4.4
155°	15.3	15.3	15.3	13.1	13.1	10.9	8.7	8.7	6.5	4.4	4.4
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-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2
2.5°	4227.7	4201.6	4223.4	4262.6	4258.2	4253.9	4249.5	4258.2	4286.6	4271.3	4247.3
5°	4221.2	4195.0	4219.0	4256.1	4253.9	4247.3	4243.0	4251.7	4280.0	4264.8	4238.6
7.5°	4208.1	4184.1	4201.6	4238.6	4238.6	4234.3	4229.9	4238.6	4264.8	4251.7	4225.5
10°	4186.3	4168.8	4186.3	4221.2	4223.4	4214.6	4210.3	4221.2	4247.3	4240.8	4219.0
12.5°	4168.8	4151.4	4171.0	4205.9	4208.1	4199.4	4192.8	4205.9	4240.8	4245.2	4238.6
15°	4144.9	4129.6	4153.6	4190.6	4190.6	4184.1	4184.1	4201.6	4249.5	4269.1	4280.0
17.5°	4110.0	4099.1	4127.4	4164.5	4166.7	4162.3	4164.5	4199.4	4262.6	4310.6	4341.1
20°	4066.4	4062.0	4092.5	4131.8	4138.3	4140.5	4151.4	4203.7	4290.9	4356.4	4386.9
22.5°	4014.0	4016.2	4051.1	4092.5	4101.3	4107.8	4129.6	4203.7	4312.7	4382.5	4395.6
25°	3955.2	3961.7	3998.8	4048.9	4059.8	4072.9	4110.0	4205.9	4319.3	4365.1	4343.3
27.5°	3891.9	3905.0	3953.0	4005.3	4018.4	4040.2	4088.2	4192.8	4288.8	4290.9	4210.3
30°	3826.5	3841.8	3898.5	3959.5	3981.3	4003.1	4062.0	4162.3	4214.6	4144.9	4003.1
32.5°	3752.4	3774.2	3830.9	3905.0	3931.2	3959.5	4018.4	4103.4	4083.8	3933.4	3730.6
35°	3658.6	3689.2	3754.6	3841.8	3865.8	3902.8	3944.3	3963.9	3876.7	3663.0	3434.1
37.5°	3543.1	3588.9	3665.2	3765.5	3791.6	3815.6	3826.5	3772.0	3597.6	3366.5	3128.8
40°	3410.1	3479.9	3562.7	3673.9	3700.1	3700.1	3660.8	3545.3	3325.0	3022.0	2758.2
42.5°	3248.7	3333.8	3438.4	3549.6	3575.8	3545.3	3451.5	3248.7	2998.0	2660.0	2381.0
45°	3052.5	3165.9	3283.6	3399.2	3412.3	3344.7	3176.8	2919.5	2609.9	2295.9	2029.9
47.5°	2819.2	2967.5	3096.1	3226.9	3209.5	3096.1	2871.5	2579.4	2252.3	1955.8	1742.1
50°	2557.6	2732.0	2875.9	3000.2	2963.1	2806.1	2542.3	2237.0	1912.2	1659.3	1482.6
52.5°	2278.5	2479.1	2623.0	2723.3	2673.1	2485.6	2195.6	1903.5	1637.4	1406.3	1288.6
55°	1988.5	2191.3	2339.5	2418.0	2352.6	2149.8	1864.2	1598.2	1347.5	1197.0	1127.2
57.5°	1707.2	1896.9	2036.5	2099.7	2016.8	1814.1	1550.2	1325.7	1144.7	1018.2	983.3
60°	1436.9	1591.7	1724.7	1772.6	1683.2	1495.7	1269.0	1090.2	957.2	870.0	852.5
62.5°	1186.1	1312.6	1417.2	1454.3	1367.1	1221.0	1024.8	891.8	798.0	754.4	732.6
65°	979.0	1053.1	1160.0	1153.4	1101.1	965.9	822.0	728.2	667.2	638.8	625.8
67.5°	769.7	837.3	904.8	913.6	848.2	754.4	660.6	593.1	560.4	545.1	538.5
70°	595.2	645.4	686.8	675.9	641.0	582.2	523.3	486.2	473.1	466.6	466.6
72.5°	462.2	488.4	508.0	494.9	473.1	442.6	414.3	399.0	401.2	405.5	409.9
75°	357.6	364.1	368.5	355.4	351.0	331.4	329.2	331.4	344.5	357.6	364.1
77.5°	274.7	266.0	259.5	246.4	248.6	246.4	257.3	274.7	294.3	314.0	331.4
80°	211.5	191.9	176.6	163.5	170.1	181.0	202.8	228.9	255.1	276.9	298.7
82.5°	163.5	135.2	113.4	100.3	113.4	130.8	159.2	191.9	222.4	246.4	270.4
85°	126.5	93.8	67.6	54.5	67.6	93.8	124.3	161.3	194.1	220.2	244.2
87.5°	98.1	67.6	37.1	21.8	37.1	65.4	100.3	135.2	167.9	198.4	222.4
90°	78.5	45.8	17.4	4.4	19.6	45.8	78.5	113.4	146.1	178.8	202.8
92.5°	63.2	32.7	8.7	0.0	10.9	34.9	65.4	98.1	130.8	161.3	185.3
95°	52.3	26.2	6.5	0.0	8.7	26.2	52.3	85.0	115.6	146.1	165.7
97.5°	43.6	19.6	4.4	0.0	4.4	21.8	43.6	72.0	102.5	130.8	150.4
100°	37.1	17.4	4.4	0.0	4.4	17.4	37.1	63.2	89.4	115.6	135.2
102.5°	30.5	13.1	2.2	2.2	2.2	13.1	32.7	54.5	78.5	102.5	122.1
105°	28.3	10.9	2.2	2.2	2.2	10.9	28.3	48.0	69.8	91.6	109.0
107.5°	24.0	8.7	2.2	2.2	2.2	8.7	24.0	41.4	63.2	82.9	98.1
110°	19.6	8.7	2.2	2.2	2.2	8.7	19.6	37.1	54.5	72.0	87.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	17.4	6.5	2.2	2.2	2.2	6.5	17.4	32.7	48.0	65.4	78.5
115°	15.3	6.5	2.2	2.2	2.2	6.5	15.3	28.3	41.4	56.7	69.8
117.5°	13.1	6.5	2.2	2.2	2.2	4.4	13.1	24.0	37.1	50.1	63.2
120°	10.9	4.4	2.2	2.2	2.2	4.4	10.9	21.8	32.7	43.6	54.5
122.5°	10.9	4.4	2.2	2.2	2.2	4.4	8.7	17.4	28.3	37.1	48.0
125°	8.7	4.4	2.2	2.2	2.2	2.2	8.7	15.3	24.0	32.7	41.4
127.5°	8.7	4.4	2.2	2.2	2.2	2.2	6.5	13.1	19.6	28.3	37.1
130°	6.5	4.4	2.2	2.2	2.2	2.2	4.4	10.9	17.4	24.0	30.5
132.5°	6.5	4.4	2.2	2.2	2.2	2.2	4.4	8.7	13.1	19.6	26.2
135°	6.5	2.2	2.2	2.2	2.2	2.2	2.2	6.5	10.9	15.3	19.6
137.5°	4.4	2.2	2.2	2.2	2.2	2.2	2.2	4.4	8.7	10.9	17.4
140°	4.4	2.2	2.2	2.2	2.2	2.2	2.2	4.4	6.5	8.7	13.1
142.5°	4.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	6.5	10.9
145°	4.4	2.2	2.2	4.4	4.4	2.2	2.2	4.4	4.4	6.5	8.7
147.5°	4.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4	6.5
150°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	6.5
152.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
155°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
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-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2
2.5°	4243.0	4192.8	4219.0	4210.3	4219.0	4240.8	4238.6	4232.1	4236.4	4225.5	4214.6
5°	4234.3	4184.1	4210.3	4199.4	4210.3	4232.1	4227.7	4221.2	4227.7	4214.6	4203.7
7.5°	4223.4	4177.6	4208.1	4205.9	4225.5	4253.9	4256.1	4256.1	4271.3	4251.7	4243.0
10°	4223.4	4199.4	4240.8	4256.1	4306.2	4343.3	4347.6	4356.4	4382.5	4378.2	4356.4
12.5°	4269.1	4264.8	4325.8	4362.9	4408.7	4461.0	4489.4	4498.1	4515.5	4502.4	4493.7
15°	4328.0	4349.8	4417.4	4458.8	4509.0	4548.2	4554.8	4559.1	4572.2	4552.6	4537.3
17.5°	4406.5	4419.6	4474.1	4491.5	4524.2	4530.8	4522.1	4500.3	4500.3	4456.7	4443.6
20°	4443.6	4437.0	4458.8	4430.5	4417.4	4378.2	4341.1	4299.7	4297.5	4251.7	4247.3
22.5°	4410.9	4367.3	4321.5	4251.7	4221.2	4164.5	4114.3	4090.4	4075.1	4016.2	4001.0
25°	4295.3	4188.5	4120.9	4038.0	3963.9	3898.5	3850.5	3800.4	3752.4	3704.4	3682.6
27.5°	4094.7	3994.4	3885.4	3769.8	3667.4	3567.1	3486.4	3436.2	3390.5	3327.2	3294.5
30°	3848.3	3708.8	3588.9	3477.7	3309.8	3187.7	3120.1	3019.8	2984.9	2956.6	2895.5
32.5°	3558.3	3390.5	3226.9	3076.5	2904.2	2790.9	2701.5	2627.3	2605.5	2531.4	2514.0
35°	3237.8	3017.6	2832.3	2684.0	2559.7	2422.4	2348.2	2298.1	2254.5	2204.3	2195.6
37.5°	2860.6	2662.2	2452.9	2322.1	2224.0	2106.2	2049.5	2014.7	1995.0	1958.0	1951.4
40°	2481.2	2282.8	2138.9	2008.1	1947.1	1883.8	1842.4	1827.1	1818.4	1805.3	1792.3
42.5°	2136.8	1962.3	1859.8	1772.6	1746.5	1715.9	1705.0	1713.8	1705.0	1700.7	1698.5
45°	1844.6	1711.6	1639.6	1613.5	1606.9	1598.2	1606.9	1622.2	1624.4	1620.0	1620.0
47.5°	1578.6	1515.3	1484.8	1489.2	1500.1	1506.6	1521.9	1541.5	1545.9	1535.0	1539.3
50°	1404.2	1367.1	1360.5	1378.0	1402.0	1410.7	1428.1	1443.4	1441.2	1436.9	1432.5
52.5°	1240.6	1229.7	1247.2	1264.6	1290.8	1295.1	1301.7	1308.2	1306.0	1297.3	1293.0
55°	1103.3	1112.0	1127.2	1133.8	1153.4	1151.2	1153.4	1153.4	1144.7	1140.3	1133.8
57.5°	979.0	981.2	989.9	992.1	1003.0	998.6	996.4	992.1	979.0	976.8	970.3
60°	852.5	848.2	867.8	852.5	861.2	852.5	850.3	839.4	826.4	824.2	819.8
62.5°	732.6	723.9	737.0	730.4	734.8	726.1	721.7	708.6	697.7	695.5	693.4
65°	625.8	621.4	634.5	632.3	636.7	625.8	621.4	612.7	604.0	601.8	599.6
67.5°	536.4	547.3	553.8	553.8	558.2	556.0	545.1	542.9	540.7	532.0	532.0
70°	471.0	477.5	490.6	492.8	490.6	494.9	486.2	484.0	481.9	477.5	475.3
72.5°	418.6	427.4	440.4	442.6	440.4	440.4	436.1	433.9	433.9	427.4	427.4
75°	377.2	388.1	399.0	399.0	399.0	394.6	390.3	390.3	385.9	383.7	379.4
77.5°	342.3	355.4	364.1	361.9	359.8	355.4	355.4	348.9	342.3	342.3	338.0
80°	316.2	324.9	331.4	329.2	327.1	320.5	318.3	311.8	307.4	300.9	300.9
82.5°	287.8	298.7	303.1	300.9	296.5	290.0	287.8	283.4	279.1	276.9	272.5
85°	263.8	274.7	276.9	272.5	268.2	263.8	261.6	259.5	257.3	252.9	252.9
87.5°	239.8	250.7	250.7	248.6	244.2	242.0	239.8	237.7	235.5	233.3	231.1
90°	220.2	228.9	228.9	226.8	224.6	222.4	220.2	218.0	215.9	213.7	213.7
92.5°	200.6	209.3	209.3	207.1	205.0	202.8	202.8	200.6	198.4	196.2	194.1
95°	183.2	191.9	191.9	191.9	189.7	187.5	187.5	185.3	183.2	183.2	181.0
97.5°	165.7	174.4	174.4	174.4	172.2	170.1	170.1	167.9	167.9	167.9	165.7
100°	150.4	157.0	159.2	159.2	157.0	157.0	157.0	154.8	154.8	154.8	152.6
102.5°	135.2	141.7	146.1	146.1	146.1	143.9	143.9	143.9	143.9	143.9	141.7
105°	122.1	128.6	133.0	135.2	135.2	135.2	135.2	135.2	135.2	135.2	135.2
107.5°	111.2	117.7	122.1	124.3	126.5	126.5	128.6	128.6	128.6	128.6	128.6
110°	100.3	106.8	113.4	115.6	117.7	119.9	119.9	122.1	119.9	119.9	119.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	89.4	98.1	102.5	106.8	109.0	111.2	113.4	113.4	113.4	113.4	113.4
115°	80.7	89.4	93.8	98.1	102.5	104.7	104.7	106.8	106.8	106.8	104.7
117.5°	72.0	80.7	85.0	89.4	91.6	95.9	98.1	98.1	98.1	98.1	95.9
120°	65.4	72.0	76.3	80.7	85.0	87.2	89.4	89.4	89.4	89.4	89.4
122.5°	56.7	63.2	69.8	74.1	76.3	78.5	80.7	80.7	80.7	80.7	80.7
125°	50.1	56.7	61.1	65.4	67.6	72.0	72.0	72.0	72.0	72.0	72.0
127.5°	43.6	50.1	54.5	58.9	61.1	63.2	65.4	65.4	65.4	65.4	65.4
130°	37.1	43.6	48.0	52.3	54.5	56.7	56.7	58.9	58.9	58.9	58.9
132.5°	32.7	37.1	41.4	45.8	48.0	50.1	50.1	52.3	52.3	52.3	52.3
135°	26.2	32.7	34.9	39.2	41.4	43.6	43.6	45.8	45.8	45.8	45.8
137.5°	21.8	26.2	30.5	34.9	37.1	37.1	39.2	39.2	41.4	41.4	41.4
140°	17.4	19.6	26.2	28.3	30.5	32.7	34.9	34.9	34.9	34.9	34.9
142.5°	13.1	17.4	19.6	24.0	26.2	28.3	30.5	30.5	30.5	30.5	30.5
145°	10.9	13.1	15.3	19.6	21.8	24.0	26.2	26.2	26.2	26.2	26.2
147.5°	8.7	10.9	13.1	15.3	17.4	19.6	21.8	21.8	21.8	21.8	21.8
150°	6.5	8.7	10.9	10.9	13.1	15.3	17.4	19.6	19.6	19.6	19.6
152.5°	6.5	6.5	8.7	8.7	10.9	13.1	15.3	15.3	15.3	15.3	15.3
155°	4.4	6.5	6.5	6.5	8.7	8.7	10.9	13.1	13.1	13.1	13.1
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-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2
2.5°	4221.2	4229.9	4225.5	4219.0	4216.8	4227.7	4216.8	4166.7	4186.3	4188.5	4203.7
5°	4214.6	4221.2	4216.8	4212.5	4205.9	4219.0	4205.9	4153.6	4173.2	4175.4	4190.6
7.5°	4258.2	4260.4	4260.4	4249.5	4232.1	4238.6	4221.2	4162.3	4173.2	4173.2	4184.1
10°	4367.3	4371.6	4378.2	4349.8	4328.0	4310.6	4286.6	4214.6	4212.5	4195.0	4195.0
12.5°	4509.0	4498.1	4487.2	4474.1	4456.7	4434.8	4400.0	4314.9	4286.6	4258.2	4229.9
15°	4550.4	4546.0	4543.9	4537.3	4526.4	4519.9	4493.7	4408.7	4367.3	4332.4	4282.2
17.5°	4441.4	4450.1	4478.5	4480.6	4493.7	4519.9	4515.5	4456.7	4419.6	4404.3	4343.3
20°	4245.2	4247.3	4282.2	4297.5	4354.2	4397.8	4430.5	4423.9	4415.2	4432.7	4386.9
22.5°	4009.7	4024.9	4062.0	4086.0	4140.5	4190.6	4243.0	4271.3	4317.1	4389.1	4380.3
25°	3689.2	3708.8	3761.1	3800.4	3876.7	3953.0	4022.8	4072.9	4127.4	4264.8	4310.6
27.5°	3305.4	3335.9	3403.5	3442.8	3549.6	3628.1	3728.4	3826.5	3902.8	4059.8	4153.6
30°	2902.1	2928.2	3000.2	3054.7	3146.3	3253.1	3379.6	3519.1	3645.6	3804.7	3922.5
32.5°	2524.9	2553.2	2612.1	2660.0	2762.5	2851.9	2991.5	3163.7	3281.4	3501.7	3658.6
35°	2195.6	2221.8	2263.2	2304.6	2389.7	2481.2	2601.2	2769.1	2919.5	3148.4	3346.8
37.5°	1964.5	1968.9	1992.8	2016.8	2080.1	2149.8	2243.6	2391.9	2531.4	2777.8	2995.8
40°	1798.8	1798.8	1811.9	1818.4	1846.8	1888.2	1947.1	2062.6	2178.2	2365.7	2631.7
42.5°	1696.3	1692.0	1692.0	1694.1	1692.0	1711.6	1746.5	1801.0	1903.5	2058.3	2265.4
45°	1620.0	1611.3	1604.7	1589.5	1580.8	1580.8	1582.9	1602.6	1661.4	1761.7	1929.6
47.5°	1535.0	1532.8	1521.9	1504.4	1489.2	1478.3	1460.8	1454.3	1471.7	1528.4	1641.8
50°	1436.9	1426.0	1415.1	1402.0	1384.5	1373.6	1340.9	1343.1	1327.8	1354.0	1412.9
52.5°	1293.0	1284.2	1279.9	1269.0	1262.4	1258.1	1231.9	1205.7	1199.2	1203.6	1225.4
55°	1133.8	1138.1	1120.7	1129.4	1127.2	1107.6	1096.7	1077.1	1070.6	1068.4	1079.3
57.5°	968.1	972.4	961.5	970.3	970.3	959.4	952.8	952.8	937.6	924.5	939.7
60°	817.6	808.9	815.5	826.4	826.4	819.8	815.5	815.5	804.6	800.2	811.1
62.5°	695.5	686.8	693.4	704.3	706.4	702.1	697.7	697.7	684.6	684.6	693.4
65°	601.8	604.0	601.8	610.5	610.5	612.7	608.3	604.0	588.7	595.2	593.1
67.5°	534.2	532.0	532.0	540.7	538.5	542.9	538.5	532.0	521.1	512.4	510.2
70°	477.5	475.3	475.3	479.7	481.9	481.9	479.7	475.3	460.1	451.3	444.8
72.5°	427.4	425.2	427.4	429.5	431.7	433.9	431.7	427.4	414.3	403.4	392.5
75°	381.6	379.4	385.9	385.9	388.1	388.1	390.3	388.1	377.2	364.1	351.0
77.5°	335.8	338.0	344.5	346.7	351.0	353.2	355.4	355.4	344.5	333.6	316.2
80°	298.7	303.1	307.4	309.6	314.0	320.5	322.7	324.9	316.2	305.3	285.6
82.5°	272.5	274.7	279.1	281.3	287.8	290.0	292.2	296.5	292.2	281.3	259.5
85°	250.7	252.9	257.3	257.3	261.6	266.0	268.2	270.4	268.2	257.3	235.5
87.5°	231.1	233.3	235.5	237.7	239.8	242.0	244.2	246.4	244.2	233.3	213.7
90°	213.7	213.7	215.9	215.9	218.0	220.2	224.6	224.6	222.4	213.7	194.1
92.5°	194.1	196.2	196.2	198.4	200.6	202.8	205.0	205.0	202.8	194.1	176.6
95°	181.0	181.0	183.2	183.2	185.3	185.3	187.5	187.5	185.3	176.6	159.2
97.5°	165.7	165.7	165.7	165.7	167.9	167.9	170.1	170.1	167.9	159.2	143.9
100°	152.6	152.6	152.6	152.6	152.6	154.8	154.8	154.8	152.6	143.9	128.6
102.5°	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	137.4	130.8	115.6
105°	135.2	135.2	135.2	133.0	133.0	133.0	130.8	130.8	124.3	117.7	104.7
107.5°	126.5	126.5	126.5	124.3	124.3	122.1	119.9	119.9	113.4	106.8	93.8
110°	119.9	119.9	119.9	117.7	115.6	113.4	111.2	109.0	102.5	93.8	82.9





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	113.4	113.4	111.2	111.2	109.0	106.8	102.5	100.3	93.8	85.0	74.1
115°	104.7	104.7	104.7	102.5	100.3	98.1	95.9	91.6	85.0	76.3	65.4
117.5°	95.9	95.9	95.9	93.8	91.6	89.4	87.2	82.9	76.3	67.6	58.9
120°	87.2	87.2	87.2	85.0	82.9	80.7	78.5	74.1	67.6	61.1	50.1
122.5°	80.7	80.7	78.5	76.3	74.1	72.0	69.8	65.4	61.1	52.3	43.6
125°	72.0	72.0	69.8	69.8	67.6	65.4	63.2	58.9	52.3	45.8	39.2
127.5°	65.4	63.2	63.2	63.2	61.1	58.9	54.5	52.3	45.8	39.2	32.7
130°	56.7	56.7	56.7	54.5	54.5	52.3	48.0	43.6	39.2	34.9	28.3
132.5°	50.1	50.1	50.1	50.1	48.0	45.8	41.4	39.2	34.9	28.3	24.0
135°	45.8	45.8	43.6	43.6	41.4	39.2	37.1	32.7	28.3	24.0	19.6
137.5°	39.2	39.2	39.2	37.1	37.1	34.9	30.5	28.3	26.2	21.8	17.4
140°	34.9	34.9	32.7	32.7	30.5	30.5	28.3	24.0	21.8	17.4	15.3
142.5°	30.5	30.5	28.3	28.3	26.2	26.2	24.0	21.8	17.4	15.3	10.9
145°	26.2	26.2	24.0	24.0	24.0	21.8	19.6	17.4	15.3	13.1	10.9
147.5°	21.8	21.8	21.8	19.6	19.6	17.4	17.4	15.3	13.1	10.9	8.7
150°	19.6	19.6	17.4	17.4	17.4	15.3	13.1	13.1	10.9	8.7	6.5
152.5°	15.3	15.3	15.3	15.3	13.1	13.1	10.9	10.9	8.7	6.5	6.5
155°	13.1	13.1	13.1	10.9	10.9	10.9	8.7	8.7	6.5	6.5	4.4
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-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2	4221.2
2.5°	4197.2	4195.0	4214.6	4212.5	4186.3	4225.5	4251.7
5°	4186.3	4184.1	4201.6	4205.9	4177.6	4219.0	4247.3
7.5°	4177.6	4175.4	4195.0	4201.6	4173.2	4210.3	4240.8
10°	4179.7	4168.8	4186.3	4190.6	4164.5	4203.7	4229.9
12.5°	4195.0	4168.8	4175.4	4175.4	4151.4	4186.3	4214.6
15°	4232.1	4177.6	4168.8	4162.3	4131.8	4164.5	4192.8
17.5°	4273.5	4199.4	4168.8	4147.0	4110.0	4138.3	4168.8
20°	4314.9	4223.4	4173.2	4138.3	4088.2	4114.3	4136.1
22.5°	4334.6	4245.2	4177.6	4125.2	4062.0	4075.1	4099.1
25°	4308.4	4236.4	4168.8	4105.6	4029.3	4031.5	4051.1
27.5°	4212.5	4192.8	4149.2	4086.0	4003.1	3992.2	4007.5
30°	4048.9	4103.4	4105.6	4059.8	3972.6	3950.8	3957.3
32.5°	3820.0	3942.1	4014.0	4005.3	3929.0	3898.5	3902.8
35°	3556.2	3708.8	3865.8	3918.1	3863.6	3839.6	3830.9
37.5°	3240.0	3445.0	3654.3	3782.9	3774.2	3758.9	3750.2
40°	2891.2	3137.5	3386.1	3591.0	3654.3	3654.3	3658.6
42.5°	2518.3	2806.1	3078.7	3338.1	3486.4	3519.1	3532.2
45°	2158.6	2448.5	2745.1	3043.8	3242.2	3344.7	3381.7
47.5°	1831.5	2123.7	2404.9	2732.0	2995.8	3128.8	3187.7
50°	1552.4	1770.5	2067.0	2391.9	2679.7	2843.2	2958.7
52.5°	1321.3	1491.4	1750.8	2053.9	2343.9	2568.5	2675.3
55°	1127.2	1242.8	1463.0	1724.7	2001.6	2234.9	2359.1
57.5°	963.7	1055.3	1205.7	1423.8	1657.1	1888.2	2021.2
60°	819.8	883.0	985.5	1157.8	1356.2	1554.6	1683.2
62.5°	695.5	737.0	804.6	931.0	1085.8	1240.6	1360.5
65°	599.6	617.0	654.1	732.6	850.3	968.1	1070.6
67.5°	505.8	516.7	545.1	593.1	651.9	737.0	804.6
70°	436.1	436.1	438.3	466.6	497.1	551.6	599.6
72.5°	379.4	372.8	359.8	366.3	372.8	403.4	433.9
75°	333.6	318.3	296.5	287.8	283.4	287.8	305.3
77.5°	294.3	272.5	246.4	224.6	207.1	200.6	215.9
80°	261.6	235.5	205.0	176.6	148.3	133.0	139.5
82.5°	235.5	202.8	170.1	137.4	104.7	82.9	82.9
85°	207.1	176.6	141.7	106.8	74.1	45.8	41.4
87.5°	187.5	154.8	117.7	85.0	52.3	24.0	13.1
90°	167.9	135.2	100.3	67.6	37.1	10.9	0.0
92.5°	150.4	119.9	87.2	54.5	26.2	6.5	0.0
95°	135.2	106.8	74.1	45.8	21.8	4.4	2.2
97.5°	119.9	93.8	65.4	37.1	15.3	4.4	2.2
100°	109.0	82.9	56.7	30.5	13.1	2.2	2.2
102.5°	95.9	74.1	48.0	26.2	10.9	2.2	2.2
105°	85.0	65.4	41.4	21.8	8.7	2.2	2.2
107.5°	76.3	56.7	37.1	19.6	8.7	2.2	2.2
110°	67.6	50.1	32.7	17.4	6.5	2.2	2.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-127SL-LC-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	61.1	43.6	28.3	15.3	4.4	2.2	2.2
115°	52.3	39.2	24.0	13.1	4.4	2.2	2.2
117.5°	45.8	32.7	21.8	10.9	4.4	2.2	2.2
120°	39.2	28.3	17.4	8.7	2.2	2.2	2.2
122.5°	34.9	24.0	15.3	8.7	2.2	2.2	2.2
125°	30.5	21.8	13.1	6.5	2.2	2.2	2.2
127.5°	26.2	17.4	10.9	4.4	2.2	2.2	2.2
130°	21.8	15.3	8.7	4.4	2.2	2.2	2.2
132.5°	17.4	13.1	8.7	4.4	2.2	2.2	2.2
135°	15.3	10.9	6.5	4.4	2.2	2.2	2.2
137.5°	13.1	8.7	4.4	4.4	4.4	2.2	2.2
140°	10.9	6.5	4.4	4.4	4.4	4.4	2.2
142.5°	8.7	6.5	4.4	4.4	4.4	4.4	2.2
145°	6.5	4.4	4.4	4.4	4.4	4.4	2.2
147.5°	6.5	4.4	4.4	4.4	4.4	4.4	2.2
150°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
152.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
155°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
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)