

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-LD5-106SL-LN-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33519)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-106SL-LN-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

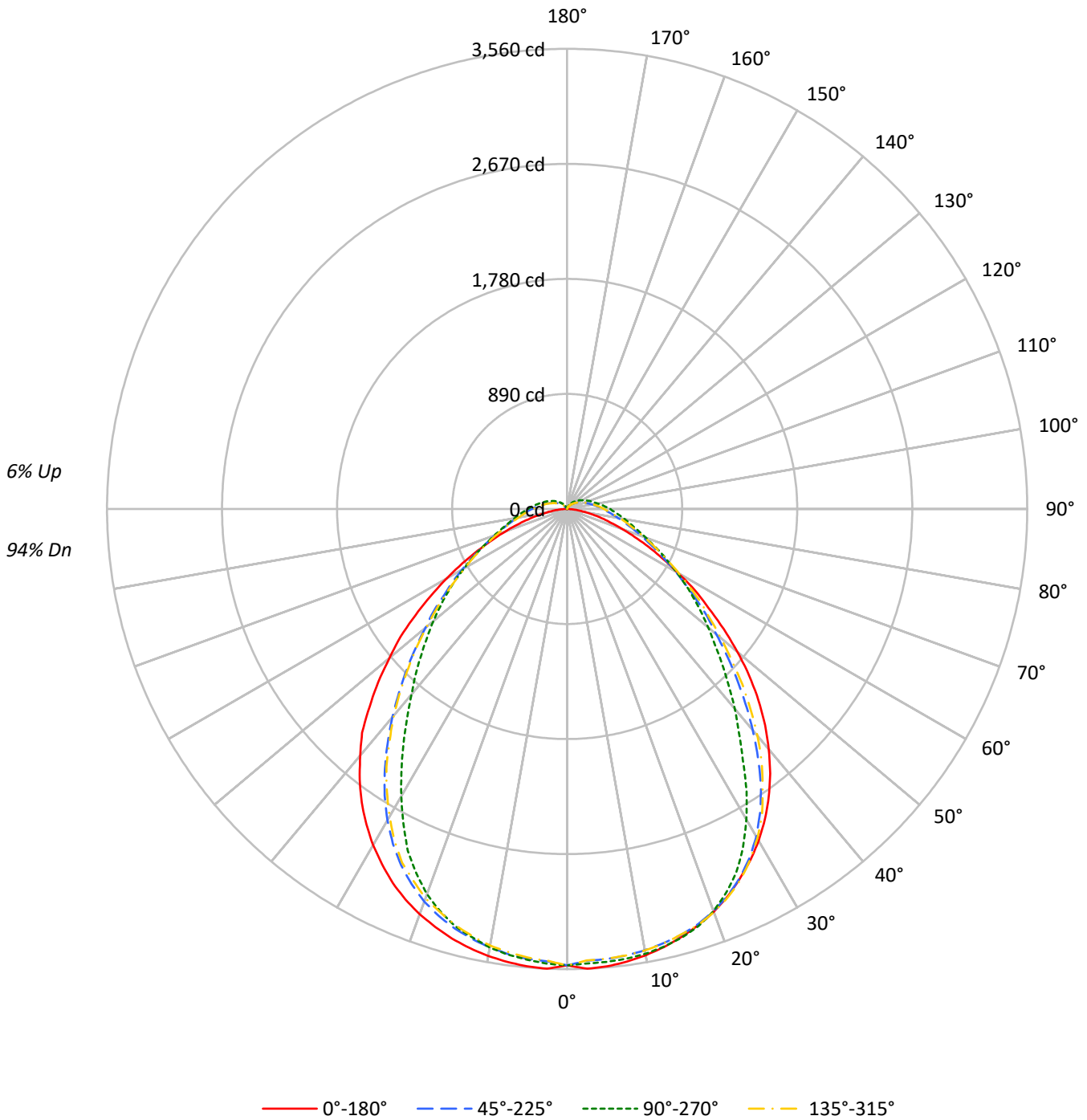
Lumens per Lamp: N/A
Luminaire Lumens: 8935.0 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 82
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	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	107	103	98	95	104	100	96	92	94	91	88	89	87	85	85	83	81	79				
2	98	90	84	78	95	88	82	77	83	78	74	79	75	72	75	72	69	67				
3	90	80	72	66	87	78	71	65	74	68	63	71	66	61	67	63	60	57				
4	83	72	63	57	80	70	62	56	67	60	55	64	58	53	61	56	52	50				
5	77	64	56	50	74	63	55	49	60	53	48	58	52	47	55	50	46	44				
6	71	58	50	44	69	57	49	43	55	48	42	52	46	42	50	45	41	39				
7	66	53	45	39	64	52	44	39	50	43	38	48	42	37	46	41	37	35				
8	62	49	41	35	60	48	40	35	46	39	34	44	38	34	43	37	33	31				
9	58	45	37	32	56	44	37	31	42	36	31	41	35	30	40	34	30	28				
10	54	42	34	29	53	41	34	29	39	33	28	38	32	28	37	31	27	26				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14265	14265	14265	14265
5°	14387	13811	14387	13750
10°	14342	13444	14366	13257
15°	14270	13042	14335	12703
20°	14182	12526	14265	11997
25°	13976	11760	14131	11067
30°	13703	10634	13883	9845
35°	13265	9254	13522	8617
40°	12628	8094	12962	7509
45°	11779	7035	12161	6632
50°	10606	6182	11073	5870
55°	9207	5460	9876	5183
60°	7778	4793	8480	4518
65°	6414	4238	7060	3930
70°	5147	3761	5763	3478
75°	4096	3473	4613	3195
80°	3031	3350	3570	3062
85°	1986	3369	2675	3097



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.7	3.7
10°-20°	959.8	10.7
20°-30°	1422.5	15.9
30°-40°	1580.3	17.7
40°-50°	1432.5	16.0
50°-60°	1110.1	12.4
60°-70°	753.8	8.4
70°-80°	479.6	5.4
80°-90°	306.6	3.4
90°-100°	206.7	2.3
100°-110°	141.6	1.6
110°-120°	94.5	1.1
120°-130°	58.7	0.7
130°-140°	32.5	0.4
140°-150°	15.3	0.2
150°-160°	5.6	0.1
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-30°	2717.0	30.4
0°-40°	4297.3	48.1
0°-60°	6839.8	76.6
0°-90°	8379.8	93.8
90°-120°	442.8	5.0
90°-150°	549.3	6.1
90°-180°	555.0	6.2
0°-180°	8935.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3531	3531	3531	3531	3531	
5°	3552	3517	3552	3502	3552	337
15°	3426	3432	3441	3342	3426	967
25°	3158	3100	3193	2917	3158	1454
35°	2719	2369	2771	2206	2719	1696
45°	2094	1693	2162	1596	2094	1608
55°	1336	1190	1433	1130	1336	1203
65°	693	800	763	742	693	695
75°	278	534	313	491	278	299
85°	50	384	68	353	50	60
90°	0	332	4	303	0	3
95°	2	284	0	264	2	2
105°	2	208	0	196	2	2
115°	2	157	0	146	2	2
125°	2	116	2	103	2	2
135°	2	82	2	66	2	1
145°	2	52	2	37	2	1
155°	2	29	2	14	2	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6
2.5°	3559.7	3555.8	3552.0	3546.1	3552.0	3567.5	3557.8	3536.4	3532.5	3497.6	3513.1
5°	3552.0	3546.1	3542.2	3536.4	3544.2	3563.6	3553.9	3534.5	3528.7	3495.6	3513.1
7.5°	3532.5	3528.7	3522.8	3522.8	3530.6	3550.0	3542.2	3520.9	3517.0	3484.0	3503.4
10°	3505.3	3503.4	3499.5	3499.5	3507.3	3530.6	3520.9	3501.5	3497.6	3466.5	3487.9
12.5°	3470.4	3472.3	3466.5	3466.5	3478.2	3501.5	3493.7	3472.3	3468.4	3441.3	3462.6
15°	3425.7	3427.7	3423.8	3425.7	3437.4	3464.6	3454.9	3435.4	3431.5	3410.2	3427.7
17.5°	3375.2	3377.2	3377.2	3375.2	3388.8	3416.0	3408.2	3390.8	3384.9	3367.5	3388.8
20°	3317.0	3317.0	3317.0	3317.0	3332.5	3359.7	3350.0	3336.4	3324.7	3311.1	3328.6
22.5°	3245.1	3243.2	3245.1	3250.9	3266.5	3287.8	3282.0	3266.5	3249.0	3241.2	3254.8
25°	3157.7	3163.6	3165.5	3171.3	3190.7	3208.2	3202.4	3186.9	3159.7	3153.8	3157.7
27.5°	3066.4	3070.3	3076.2	3074.2	3101.4	3118.9	3107.2	3093.6	3054.8	3049.0	3045.1
30°	2963.5	2969.3	2973.2	2971.3	2992.7	3012.1	3000.4	2982.9	2930.5	2926.6	2895.6
32.5°	2847.0	2852.8	2856.7	2856.7	2887.8	2895.6	2874.2	2848.9	2792.6	2779.0	2751.8
35°	2718.8	2724.7	2726.6	2726.6	2757.7	2755.7	2728.5	2693.6	2631.4	2614.0	2567.4
37.5°	2580.9	2584.8	2586.8	2598.4	2612.0	2600.4	2565.4	2520.7	2474.1	2425.6	2375.1
40°	2425.6	2431.4	2435.3	2443.1	2456.7	2443.1	2392.6	2338.2	2287.7	2233.3	2182.8
42.5°	2266.3	2283.8	2279.9	2278.0	2285.8	2248.9	2210.0	2147.9	2097.4	2041.1	1990.6
45°	2093.5	2091.6	2101.3	2105.1	2103.2	2072.1	2017.8	1961.4	1910.9	1852.7	1810.0
47.5°	1910.9	1909.0	1916.8	1920.7	1909.0	1876.0	1833.3	1769.2	1726.5	1676.0	1642.9
50°	1718.7	1718.7	1730.3	1718.7	1712.9	1679.8	1644.9	1580.8	1547.8	1503.1	1483.7
52.5°	1526.4	1543.9	1532.3	1528.4	1522.5	1489.5	1462.3	1409.9	1382.7	1363.3	1340.0
55°	1336.1	1355.5	1347.8	1341.9	1340.0	1312.8	1287.6	1248.7	1231.2	1217.6	1204.1
57.5°	1174.9	1173.0	1169.1	1163.3	1165.2	1143.8	1118.6	1097.2	1089.5	1083.6	1087.5
60°	988.5	1004.0	998.2	1000.1	1002.1	998.2	976.8	963.2	965.2	967.1	973.0
62.5°	835.1	848.7	858.4	850.6	854.5	860.3	848.7	844.8	852.5	860.3	868.1
65°	693.3	706.9	716.6	714.7	726.3	738.0	736.0	739.9	757.4	767.1	776.8
67.5°	565.1	578.7	592.3	594.3	611.7	629.2	637.0	650.6	670.0	683.6	695.2
70°	454.4	466.1	481.6	491.3	514.6	537.9	551.5	578.7	590.4	609.8	617.6
72.5°	355.4	365.1	386.5	409.8	429.2	458.3	485.5	508.8	526.3	547.6	557.4
75°	277.7	281.6	304.9	332.1	359.3	392.3	421.4	446.7	470.0	491.3	506.9
77.5°	203.9	209.7	231.1	268.0	299.1	334.0	367.0	394.2	419.5	440.8	462.2
80°	141.8	153.4	176.7	213.6	248.6	287.4	318.5	349.6	376.8	398.1	419.5
82.5°	91.3	101.0	134.0	170.9	207.8	246.6	279.7	310.7	339.9	363.2	382.6
85°	50.5	64.1	97.1	135.9	172.8	211.7	246.6	277.7	306.8	328.2	347.6
87.5°	19.4	38.8	69.9	106.8	143.7	180.6	217.5	246.6	275.8	299.1	316.5
90°	0.0	23.3	52.4	89.3	126.2	163.1	198.1	229.2	256.3	277.7	297.1
92.5°	1.9	15.5	40.8	71.9	106.8	141.8	174.8	205.9	233.0	254.4	271.9
95°	1.9	11.7	33.0	62.1	93.2	126.2	157.3	186.4	211.7	233.0	250.5
97.5°	1.9	7.8	27.2	54.4	81.6	114.6	143.7	170.9	194.2	215.6	229.2
100°	1.9	7.8	23.3	46.6	73.8	102.9	130.1	157.3	178.7	196.1	211.7
102.5°	1.9	5.8	19.4	40.8	66.0	91.3	118.5	143.7	163.1	180.6	196.1
105°	1.9	5.8	17.5	35.0	58.3	83.5	106.8	130.1	151.5	167.0	180.6
107.5°	1.9	3.9	15.5	29.1	50.5	75.7	99.0	118.5	137.9	153.4	167.0
110°	1.9	3.9	13.6	27.2	44.7	68.0	89.3	108.8	126.2	141.8	153.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.9	3.9	11.7	25.2	40.8	60.2	81.6	99.0	116.5	130.1	141.8
115°	1.9	3.9	11.7	23.3	36.9	52.4	71.9	91.3	104.9	120.4	130.1
117.5°	1.9	3.9	9.7	19.4	35.0	48.6	66.0	81.6	97.1	110.7	120.4
120°	1.9	3.9	9.7	17.5	31.1	44.7	58.3	73.8	89.3	99.0	108.8
122.5°	1.9	3.9	7.8	17.5	27.2	40.8	52.4	66.0	79.6	91.3	101.0
125°	1.9	3.9	7.8	15.5	25.2	36.9	48.6	58.3	71.9	81.6	91.3
127.5°	1.9	3.9	7.8	13.6	23.3	33.0	44.7	54.4	64.1	73.8	81.6
130°	1.9	3.9	5.8	11.7	21.4	29.1	38.8	50.5	58.3	66.0	73.8
132.5°	1.9	3.9	5.8	11.7	17.5	25.2	35.0	44.7	52.4	60.2	66.0
135°	1.9	3.9	5.8	9.7	15.5	23.3	29.1	38.8	46.6	54.4	60.2
137.5°	1.9	3.9	5.8	9.7	13.6	19.4	25.2	33.0	40.8	46.6	54.4
140°	1.9	3.9	5.8	7.8	11.7	17.5	23.3	27.2	35.0	40.8	46.6
142.5°	1.9	3.9	5.8	7.8	11.7	15.5	19.4	23.3	29.1	35.0	40.8
145°	1.9	3.9	5.8	7.8	9.7	13.6	17.5	21.4	23.3	29.1	33.0
147.5°	1.9	3.9	5.8	7.8	7.8	11.7	15.5	17.5	21.4	23.3	27.2
150°	1.9	3.9	5.8	5.8	7.8	9.7	13.6	15.5	17.5	21.4	23.3
152.5°	1.9	3.9	5.8	5.8	7.8	9.7	11.7	13.6	15.5	17.5	19.4
155°	1.9	3.9	5.8	5.8	5.8	7.8	9.7	11.7	13.6	15.5	17.5
157.5°	3.9	3.9	3.9	5.8	5.8	7.8	7.8	9.7	11.7	11.7	13.6
160°	3.9	3.9	3.9	5.8	5.8	5.8	7.8	7.8	9.7	9.7	11.7
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°	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6
2.5°	3509.2	3515.1	3532.5	3532.5	3528.7	3524.8	3524.8	3518.9	3522.8	3530.6	3526.7
5°	3509.2	3515.1	3532.5	3532.5	3528.7	3524.8	3522.8	3517.0	3522.8	3530.6	3526.7
7.5°	3497.6	3505.3	3522.8	3522.8	3518.9	3517.0	3513.1	3509.2	3515.1	3522.8	3518.9
10°	3482.0	3489.8	3507.3	3507.3	3503.4	3503.4	3497.6	3493.7	3501.5	3507.3	3505.3
12.5°	3458.7	3468.4	3484.0	3482.0	3478.2	3480.1	3474.3	3466.5	3474.3	3480.1	3482.0
15°	3425.7	3437.4	3452.9	3449.0	3443.2	3447.1	3437.4	3431.5	3437.4	3449.0	3447.1
17.5°	3383.0	3390.8	3402.4	3402.4	3396.6	3392.7	3388.8	3383.0	3386.9	3394.7	3396.6
20°	3322.8	3332.5	3338.3	3332.5	3330.6	3324.7	3317.0	3311.1	3318.9	3330.6	3332.5
22.5°	3243.2	3245.1	3258.7	3245.1	3235.4	3233.5	3225.7	3214.0	3225.7	3235.4	3237.3
25°	3144.1	3153.8	3148.0	3124.7	3124.7	3109.2	3105.3	3099.5	3101.4	3118.9	3126.7
27.5°	3017.9	3021.8	3006.2	2986.8	2969.3	2959.6	2946.0	2948.0	2948.0	2971.3	2979.1
30°	2880.0	2858.7	2845.1	2814.0	2800.4	2777.1	2773.2	2773.2	2769.3	2781.0	2815.9
32.5°	2714.9	2685.8	2664.5	2635.3	2612.0	2588.7	2577.1	2582.9	2580.9	2610.1	2621.7
35°	2534.3	2516.9	2472.2	2435.3	2421.7	2386.7	2386.7	2369.3	2380.9	2413.9	2427.5
37.5°	2344.0	2316.8	2279.9	2239.1	2229.4	2202.3	2192.5	2182.8	2208.1	2213.9	2227.5
40°	2149.8	2124.6	2089.6	2050.8	2050.8	2017.8	2017.8	2017.8	2019.7	2031.4	2056.6
42.5°	1965.3	1938.1	1907.1	1879.9	1876.0	1850.7	1850.7	1848.8	1852.7	1862.4	1885.7
45°	1786.7	1765.3	1732.3	1718.7	1720.6	1693.4	1699.3	1693.4	1701.2	1710.9	1718.7
47.5°	1621.6	1608.0	1594.4	1575.0	1569.2	1567.2	1557.5	1549.7	1563.3	1563.3	1575.0
50°	1468.2	1460.4	1452.6	1441.0	1442.9	1435.2	1423.5	1423.5	1433.2	1435.2	1442.9
52.5°	1334.2	1324.5	1314.7	1316.7	1318.6	1314.7	1308.9	1303.1	1308.9	1312.8	1322.5
55°	1200.2	1192.4	1202.1	1198.2	1202.1	1198.2	1194.3	1190.5	1200.2	1194.3	1204.1
57.5°	1079.8	1087.5	1091.4	1083.6	1089.5	1085.6	1087.5	1081.7	1089.5	1093.4	1091.4
60°	969.1	980.7	974.9	976.8	984.6	980.7	973.0	978.8	986.5	988.5	986.5
62.5°	868.1	881.7	887.5	883.6	885.6	881.7	887.5	879.7	889.4	893.3	887.5
65°	776.8	792.3	796.2	796.2	796.2	792.3	798.2	800.1	804.0	804.0	800.1
67.5°	699.1	712.7	716.6	720.5	716.6	712.7	712.7	714.7	722.4	726.3	722.4
70°	629.2	642.8	644.8	644.8	646.7	650.6	642.8	646.7	652.5	654.5	652.5
72.5°	569.0	582.6	586.5	584.5	586.5	588.4	588.4	584.5	590.4	594.3	594.3
75°	520.5	528.2	532.1	532.1	534.1	536.0	536.0	534.1	537.9	539.9	541.8
77.5°	475.8	481.6	487.4	487.4	489.4	487.4	491.3	491.3	493.3	495.2	497.2
80°	431.1	438.9	442.8	444.7	448.6	450.5	450.5	450.5	452.5	454.4	454.4
82.5°	396.2	402.0	407.8	413.7	413.7	415.6	415.6	415.6	417.5	417.5	419.5
85°	361.2	369.0	374.8	378.7	380.6	382.6	382.6	384.5	384.5	384.5	386.5
87.5°	330.1	339.9	343.7	347.6	349.6	353.4	353.4	353.4	355.4	355.4	355.4
90°	308.8	318.5	322.4	326.3	328.2	330.1	330.1	332.1	332.1	334.0	334.0
92.5°	283.5	293.2	301.0	301.0	303.0	306.8	304.9	304.9	306.8	308.8	308.8
95°	264.1	271.9	277.7	279.7	281.6	281.6	281.6	283.5	281.6	283.5	283.5
97.5°	240.8	248.6	254.4	258.3	260.2	260.2	260.2	262.2	260.2	262.2	262.2
100°	221.4	229.2	235.0	236.9	240.8	240.8	240.8	240.8	240.8	240.8	242.8
102.5°	205.9	213.6	217.5	219.4	221.4	223.3	223.3	223.3	223.3	225.3	225.3
105°	190.3	198.1	202.0	203.9	205.9	207.8	207.8	207.8	209.7	209.7	207.8
107.5°	176.7	182.5	186.4	190.3	192.3	192.3	194.2	194.2	194.2	194.2	194.2
110°	163.1	169.0	174.8	178.7	178.7	180.6	180.6	182.5	182.5	180.6	182.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	149.5	157.3	161.2	165.1	167.0	169.0	169.0	169.0	169.0	169.0	169.0
115°	137.9	145.7	149.5	153.4	155.4	157.3	157.3	157.3	157.3	157.3	157.3
117.5°	128.2	135.9	139.8	141.8	143.7	145.7	147.6	147.6	147.6	147.6	145.7
120°	118.5	124.3	128.2	132.1	134.0	135.9	135.9	135.9	135.9	135.9	135.9
122.5°	108.8	114.6	118.5	122.3	124.3	126.2	126.2	126.2	126.2	126.2	126.2
125°	99.0	104.9	108.8	112.6	114.6	116.5	116.5	116.5	116.5	116.5	116.5
127.5°	89.3	95.2	101.0	102.9	104.9	106.8	106.8	106.8	108.8	106.8	106.8
130°	79.6	85.4	91.3	93.2	95.2	97.1	99.0	99.0	99.0	99.0	97.1
132.5°	71.9	77.7	81.6	83.5	87.4	87.4	89.3	89.3	89.3	89.3	87.4
135°	66.0	69.9	73.8	75.7	79.6	79.6	79.6	81.6	81.6	79.6	77.7
137.5°	58.3	62.1	66.0	68.0	69.9	71.9	71.9	73.8	71.9	71.9	71.9
140°	54.4	56.3	60.2	62.1	64.1	64.1	64.1	66.0	66.0	64.1	64.1
142.5°	46.6	50.5	54.4	56.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
145°	38.8	44.7	46.6	50.5	50.5	52.4	52.4	52.4	52.4	52.4	50.5
147.5°	33.0	36.9	42.7	44.7	44.7	46.6	46.6	46.6	46.6	46.6	44.7
150°	25.2	29.1	35.0	38.8	38.8	40.8	40.8	40.8	40.8	38.8	38.8
152.5°	21.4	25.2	27.2	31.1	33.0	33.0	33.0	35.0	33.0	33.0	33.0
155°	19.4	21.4	23.3	25.2	27.2	29.1	29.1	29.1	29.1	27.2	27.2
157.5°	15.5	17.5	19.4	21.4	23.3	25.2	25.2	25.2	25.2	25.2	23.3
160°	11.7	13.6	15.5	15.5	17.5	19.4	21.4	19.4	19.4	19.4	19.4
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-LD5-106SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6
2.5°	3522.8	3520.9	3526.7	3517.0	3487.9	3495.6	3491.8	3509.2	3513.1	3517.0	3534.5
5°	3522.8	3520.9	3524.8	3517.0	3485.9	3491.8	3487.9	3505.3	3509.2	3511.2	3528.7
7.5°	3515.1	3513.1	3518.9	3509.2	3476.2	3484.0	3478.2	3495.6	3497.6	3499.5	3515.1
10°	3499.5	3497.6	3501.5	3493.7	3460.7	3468.4	3460.7	3478.2	3478.2	3482.0	3493.7
12.5°	3476.2	3472.3	3480.1	3470.4	3433.5	3443.2	3439.3	3451.0	3452.9	3454.9	3466.5
15°	3443.2	3439.3	3445.1	3439.3	3406.3	3408.2	3402.4	3419.9	3421.8	3418.0	3429.6
17.5°	3394.7	3390.8	3402.4	3398.5	3365.5	3373.3	3371.3	3375.2	3381.1	3371.3	3386.9
20°	3334.4	3338.3	3342.2	3344.2	3318.9	3318.9	3317.0	3324.7	3330.6	3322.8	3334.4
22.5°	3245.1	3254.8	3266.5	3270.4	3252.9	3250.9	3262.6	3258.7	3264.5	3260.7	3268.4
25°	3132.5	3151.9	3163.6	3175.2	3165.5	3169.4	3186.9	3190.7	3190.7	3188.8	3196.6
27.5°	2992.7	3017.9	3039.3	3064.5	3054.8	3062.6	3091.7	3095.6	3103.3	3095.6	3111.1
30°	2825.6	2848.9	2889.7	2926.6	2930.5	2942.2	2982.9	2986.8	3008.2	3000.4	3006.2
32.5°	2658.6	2670.3	2716.9	2753.8	2777.1	2806.2	2850.9	2858.7	2887.8	2893.6	2893.6
35°	2448.9	2481.9	2524.6	2577.1	2606.2	2637.3	2697.5	2709.1	2751.8	2765.4	2781.0
37.5°	2272.2	2303.2	2330.4	2384.8	2437.2	2472.2	2520.7	2549.9	2594.5	2619.8	2639.2
40°	2083.8	2109.0	2138.2	2192.5	2237.2	2289.6	2338.2	2373.1	2429.5	2458.6	2483.8
42.5°	1905.1	1924.5	1955.6	1994.5	2041.1	2099.3	2145.9	2186.7	2246.9	2287.7	2316.8
45°	1745.9	1757.5	1784.7	1813.8	1854.6	1914.8	1959.5	2011.9	2060.5	2103.2	2138.2
47.5°	1596.3	1611.9	1625.5	1644.9	1681.8	1718.7	1771.1	1821.6	1870.2	1916.8	1951.7
50°	1458.5	1458.5	1479.8	1493.4	1518.7	1551.7	1592.5	1627.4	1687.6	1720.6	1765.3
52.5°	1324.5	1332.2	1343.9	1351.6	1371.1	1392.4	1425.4	1454.6	1505.1	1536.1	1578.9
55°	1206.0	1213.8	1219.6	1223.5	1235.1	1260.4	1272.0	1295.3	1330.3	1355.5	1392.4
57.5°	1093.4	1097.2	1103.1	1105.0	1107.0	1122.5	1132.2	1138.0	1173.0	1198.2	1229.3
60°	990.4	990.4	996.3	994.3	992.4	1000.1	998.2	1004.0	1025.4	1040.9	1054.5
62.5°	893.3	893.3	895.3	891.4	889.4	889.4	881.7	887.5	893.3	895.3	905.0
65°	804.0	813.7	805.9	807.9	796.2	792.3	788.5	776.8	774.9	767.1	771.0
67.5°	724.4	732.1	724.4	724.4	714.7	706.9	697.2	677.8	671.9	656.4	652.5
70°	660.3	654.5	658.3	652.5	640.9	631.2	617.6	602.0	582.6	563.2	549.6
72.5°	598.1	598.1	594.3	588.4	582.6	563.2	547.6	530.2	506.9	481.6	462.2
75°	537.9	539.9	539.9	534.1	524.3	506.9	489.4	464.1	438.9	409.8	384.5
77.5°	495.2	495.2	495.2	485.5	475.8	460.3	438.9	411.7	384.5	349.6	320.4
80°	454.4	452.5	452.5	440.8	431.1	413.7	392.3	365.1	336.0	299.1	266.1
82.5°	421.4	419.5	415.6	405.9	392.3	374.8	353.4	324.3	293.2	260.2	219.4
85°	386.5	384.5	380.6	370.9	357.3	341.8	318.5	289.4	258.3	221.4	182.5
87.5°	355.4	353.4	347.6	341.8	326.3	308.8	285.5	258.3	225.3	190.3	151.5
90°	334.0	330.1	326.3	318.5	304.9	285.5	262.2	233.0	200.0	165.1	126.2
92.5°	308.8	306.8	301.0	293.2	281.6	262.2	238.9	211.7	178.7	145.7	108.8
95°	283.5	281.6	277.7	269.9	258.3	240.8	219.4	192.3	161.2	128.2	95.2
97.5°	260.2	260.2	254.4	248.6	235.0	221.4	200.0	174.8	145.7	116.5	85.4
100°	240.8	240.8	235.0	227.2	217.5	203.9	182.5	159.2	132.1	104.9	73.8
102.5°	223.3	221.4	217.5	209.7	200.0	186.4	167.0	145.7	120.4	93.2	66.0
105°	207.8	205.9	202.0	194.2	186.4	170.9	155.4	134.0	108.8	83.5	58.3
107.5°	192.3	190.3	188.4	180.6	170.9	157.3	141.8	120.4	99.0	75.7	52.4
110°	178.7	176.7	172.8	165.1	155.4	143.7	128.2	110.7	89.3	68.0	46.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	167.0	165.1	161.2	153.4	145.7	132.1	118.5	99.0	81.6	62.1	40.8
115°	155.4	153.4	149.5	141.8	132.1	120.4	106.8	91.3	71.9	54.4	36.9
117.5°	143.7	141.8	137.9	132.1	122.3	110.7	97.1	81.6	64.1	50.5	33.0
120°	134.0	130.1	126.2	120.4	110.7	101.0	87.4	73.8	58.3	44.7	29.1
122.5°	124.3	120.4	116.5	110.7	101.0	91.3	77.7	66.0	54.4	40.8	27.2
125°	112.6	110.7	106.8	101.0	91.3	81.6	71.9	60.2	48.6	36.9	23.3
127.5°	102.9	101.0	97.1	89.3	81.6	73.8	64.1	54.4	42.7	31.1	21.4
130°	95.2	91.3	87.4	81.6	75.7	68.0	58.3	48.6	38.8	27.2	19.4
132.5°	85.4	81.6	77.7	73.8	68.0	60.2	52.4	42.7	35.0	25.2	17.5
135°	77.7	73.8	69.9	66.0	60.2	54.4	46.6	38.8	31.1	23.3	15.5
137.5°	68.0	66.0	64.1	60.2	54.4	48.6	42.7	33.0	27.2	21.4	13.6
140°	62.1	60.2	58.3	52.4	48.6	42.7	36.9	29.1	23.3	17.5	11.7
142.5°	56.3	54.4	50.5	46.6	42.7	38.8	31.1	27.2	21.4	15.5	11.7
145°	48.6	46.6	44.7	40.8	36.9	31.1	27.2	23.3	19.4	13.6	9.7
147.5°	44.7	42.7	38.8	35.0	31.1	27.2	25.2	21.4	15.5	11.7	7.8
150°	36.9	35.0	33.0	29.1	27.2	25.2	21.4	17.5	13.6	9.7	7.8
152.5°	31.1	29.1	27.2	27.2	23.3	21.4	17.5	15.5	11.7	9.7	5.8
155°	27.2	27.2	25.2	23.3	19.4	17.5	15.5	11.7	9.7	7.8	5.8
157.5°	23.3	21.4	19.4	19.4	17.5	15.5	11.7	9.7	7.8	7.8	5.8
160°	19.4	17.5	17.5	15.5	13.6	11.7	9.7	9.7	7.8	5.8	5.8
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-LD5-106SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6
2.5°	3536.4	3515.1	3534.5	3559.7	3559.7	3555.8	3552.0	3559.7	3579.1	3571.4	3548.1
5°	3530.6	3509.2	3526.7	3552.0	3552.0	3546.1	3542.2	3548.1	3569.4	3559.7	3538.4
7.5°	3518.9	3499.5	3511.2	3534.5	3534.5	3528.7	3524.8	3532.5	3550.0	3540.3	3517.0
10°	3497.6	3476.2	3489.8	3511.2	3509.2	3505.3	3499.5	3509.2	3524.8	3511.2	3484.0
12.5°	3470.4	3449.0	3460.7	3480.1	3478.2	3470.4	3466.5	3472.3	3485.9	3478.2	3449.0
15°	3433.5	3412.1	3421.8	3441.3	3435.4	3429.6	3421.8	3423.8	3441.3	3427.7	3396.6
17.5°	3388.8	3365.5	3373.3	3390.8	3384.9	3379.1	3369.4	3371.3	3390.8	3371.3	3338.3
20°	3334.4	3309.2	3315.0	3336.4	3326.7	3317.0	3307.3	3307.3	3326.7	3305.3	3268.4
22.5°	3276.2	3250.9	3254.8	3270.4	3262.6	3245.1	3235.4	3241.2	3250.9	3223.8	3184.9
25°	3204.3	3171.3	3177.1	3192.7	3186.9	3163.6	3153.8	3157.7	3153.8	3132.5	3091.7
27.5°	3120.8	3085.9	3089.8	3099.5	3091.7	3070.3	3058.7	3060.6	3052.9	3025.7	2979.1
30°	3016.0	2998.5	2996.5	3002.4	2990.7	2969.3	2955.8	2951.9	2949.9	2911.1	2854.8
32.5°	2909.1	2893.6	2883.9	2891.7	2878.1	2856.7	2833.4	2833.4	2814.0	2777.1	2728.5
35°	2800.4	2775.1	2765.4	2771.3	2755.7	2728.5	2709.1	2699.4	2670.3	2623.7	2571.2
37.5°	2660.6	2643.1	2631.4	2637.3	2619.8	2600.4	2563.5	2553.8	2522.7	2458.6	2392.6
40°	2509.1	2495.5	2483.8	2489.7	2470.2	2441.1	2408.1	2392.6	2357.6	2285.8	2233.3
42.5°	2346.0	2340.1	2326.5	2347.9	2309.1	2279.9	2246.9	2221.7	2186.7	2109.0	2048.8
45°	2173.1	2186.7	2155.6	2161.5	2136.2	2111.0	2076.0	2039.1	2004.2	1930.4	1862.4
47.5°	1990.6	2000.3	1978.9	1982.8	1955.6	1932.3	1901.2	1854.6	1815.8	1751.7	1691.5
50°	1802.2	1798.3	1798.3	1794.4	1773.1	1743.9	1712.9	1670.1	1631.3	1573.0	1522.5
52.5°	1602.2	1609.9	1613.8	1623.5	1596.3	1578.9	1530.3	1493.4	1464.3	1404.1	1361.4
55°	1409.9	1437.1	1429.3	1433.2	1402.1	1388.5	1349.7	1320.6	1277.8	1242.9	1215.7
57.5°	1235.1	1241.0	1244.8	1250.7	1237.1	1209.9	1178.8	1155.5	1122.5	1093.4	1073.9
60°	1066.2	1066.2	1068.1	1077.8	1064.2	1040.9	1017.6	1000.1	976.8	959.4	947.7
62.5°	906.9	920.5	922.5	914.7	897.2	885.6	870.0	860.3	844.8	839.0	835.1
65°	759.3	759.3	759.3	763.2	753.5	745.7	736.0	734.1	739.9	732.1	736.0
67.5°	635.0	629.2	625.3	627.3	623.4	619.5	617.6	623.4	635.0	635.0	644.8
70°	528.2	516.6	508.8	508.8	508.8	510.8	516.6	528.2	547.6	555.4	569.0
72.5°	440.8	415.6	403.9	403.9	405.9	413.7	431.1	452.5	470.0	485.5	503.0
75°	357.3	332.1	314.6	312.7	316.5	328.2	353.4	372.9	402.0	423.4	444.7
77.5°	289.4	258.3	236.9	235.0	240.8	258.3	289.4	314.6	347.6	370.9	394.2
80°	231.1	196.1	178.7	167.0	176.7	198.1	233.0	264.1	295.2	326.3	355.4
82.5°	184.5	151.5	124.3	112.6	124.3	153.4	186.4	223.3	254.4	287.4	316.5
85°	145.7	110.7	79.6	68.0	81.6	112.6	149.5	186.4	221.4	254.4	283.5
87.5°	114.6	79.6	48.6	33.0	50.5	83.5	118.5	155.4	192.3	225.3	254.4
90°	89.3	56.3	27.2	3.9	29.1	60.2	95.2	130.1	167.0	200.0	229.2
92.5°	75.7	42.7	15.5	0.0	17.5	44.7	77.7	112.6	145.7	178.7	207.8
95°	64.1	35.0	11.7	0.0	11.7	35.0	64.1	95.2	128.2	161.2	190.3
97.5°	54.4	27.2	7.8	0.0	7.8	27.2	52.4	83.5	112.6	143.7	170.9
100°	46.6	23.3	5.8	0.0	5.8	21.4	44.7	71.9	101.0	130.1	155.4
102.5°	40.8	19.4	3.9	0.0	3.9	17.5	36.9	62.1	87.4	114.6	139.8
105°	35.0	15.5	3.9	0.0	1.9	13.6	31.1	54.4	77.7	102.9	126.2
107.5°	31.1	13.6	3.9	0.0	1.9	11.7	27.2	46.6	69.9	91.3	112.6
110°	27.2	11.7	3.9	0.0	1.9	7.8	23.3	40.8	60.2	81.6	102.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	23.3	9.7	1.9	0.0	0.0	5.8	19.4	35.0	52.4	73.8	91.3
115°	21.4	9.7	1.9	0.0	0.0	3.9	15.5	31.1	46.6	66.0	81.6
117.5°	19.4	7.8	1.9	0.0	1.9	3.9	13.6	27.2	40.8	56.3	73.8
120°	17.5	7.8	1.9	0.0	1.9	1.9	9.7	23.3	35.0	50.5	64.1
122.5°	15.5	7.8	1.9	0.0	1.9	1.9	7.8	19.4	31.1	44.7	56.3
125°	13.6	5.8	3.9	1.9	1.9	1.9	5.8	15.5	27.2	36.9	50.5
127.5°	13.6	5.8	3.9	1.9	1.9	1.9	3.9	13.6	21.4	33.0	44.7
130°	11.7	5.8	3.9	1.9	1.9	1.9	1.9	9.7	19.4	27.2	36.9
132.5°	9.7	5.8	3.9	1.9	1.9	1.9	1.9	5.8	13.6	23.3	31.1
135°	9.7	5.8	3.9	1.9	1.9	1.9	1.9	3.9	9.7	17.5	25.2
137.5°	7.8	3.9	3.9	1.9	1.9	1.9	1.9	1.9	7.8	13.6	19.4
140°	7.8	3.9	3.9	1.9	1.9	1.9	1.9	1.9	5.8	9.7	15.5
142.5°	5.8	3.9	3.9	1.9	1.9	1.9	1.9	1.9	3.9	7.8	11.7
145°	5.8	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	7.8
147.5°	5.8	5.8	3.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8
150°	5.8	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9
152.5°	5.8	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9
155°	5.8	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9
157.5°	5.8	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9
160°	5.8	3.9	3.9	1.9	3.9	1.9	3.9	3.9	3.9	3.9	3.9
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-LD5-106SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6
2.5°	3540.3	3503.4	3522.8	3517.0	3524.8	3540.3	3538.4	3534.5	3534.5	3528.7	3520.9
5°	3528.7	3493.7	3511.2	3501.5	3511.2	3524.8	3522.8	3517.0	3520.9	3511.2	3501.5
7.5°	3505.3	3474.3	3489.8	3482.0	3489.8	3503.4	3497.6	3495.6	3499.5	3484.0	3478.2
10°	3478.2	3443.2	3460.7	3451.0	3460.7	3470.4	3466.5	3458.7	3466.5	3451.0	3445.1
12.5°	3435.4	3406.3	3418.0	3414.1	3419.9	3429.6	3421.8	3416.0	3419.9	3406.3	3394.7
15°	3388.8	3359.7	3369.4	3363.6	3367.5	3379.1	3365.5	3363.6	3359.7	3346.1	3342.2
17.5°	3328.6	3301.4	3311.1	3301.4	3307.3	3303.4	3301.4	3291.7	3291.7	3276.2	3264.5
20°	3254.8	3231.5	3225.7	3217.9	3225.7	3217.9	3206.3	3198.5	3196.6	3181.0	3171.3
22.5°	3169.4	3142.2	3146.1	3124.7	3126.7	3115.0	3095.6	3087.8	3080.0	3062.6	3049.0
25°	3066.4	3039.3	3019.8	3006.2	2988.8	2986.8	2961.6	2942.2	2940.2	2918.9	2916.9
27.5°	2949.9	2918.9	2903.3	2870.3	2848.9	2831.5	2810.1	2790.7	2781.0	2757.7	2742.1
30°	2815.9	2781.0	2742.1	2718.8	2685.8	2672.2	2635.3	2612.0	2604.2	2579.0	2567.4
32.5°	2664.5	2627.6	2596.5	2551.8	2514.9	2495.5	2458.6	2435.3	2425.6	2398.4	2382.9
35°	2499.4	2458.6	2421.7	2379.0	2349.8	2316.8	2272.2	2248.9	2227.5	2217.8	2206.1
37.5°	2326.5	2281.9	2239.1	2196.4	2171.2	2132.3	2093.5	2078.0	2052.7	2043.0	2031.4
40°	2147.9	2103.2	2062.4	2021.6	1992.5	1957.6	1922.6	1916.8	1889.6	1879.9	1872.1
42.5°	1971.2	1924.5	1877.9	1848.8	1827.4	1792.5	1769.2	1763.4	1740.0	1734.2	1734.2
45°	1811.9	1753.6	1714.8	1689.6	1672.1	1642.9	1623.5	1619.6	1600.2	1596.3	1596.3
47.5°	1641.0	1586.6	1557.5	1542.0	1526.4	1505.1	1493.4	1493.4	1474.0	1470.1	1468.2
50°	1481.8	1431.3	1409.9	1394.4	1392.4	1376.9	1367.2	1363.3	1363.3	1349.7	1351.6
52.5°	1330.3	1305.0	1287.6	1277.8	1266.2	1256.5	1248.7	1248.7	1242.9	1233.2	1237.1
55°	1190.5	1161.3	1163.3	1155.5	1149.7	1143.8	1145.8	1134.1	1132.2	1124.4	1130.3
57.5°	1050.6	1050.6	1046.7	1040.9	1031.2	1035.1	1035.1	1035.1	1025.4	1019.6	1025.4
60°	932.2	938.0	928.3	934.1	930.2	932.2	928.3	928.3	922.5	920.5	922.5
62.5°	827.3	837.0	833.1	840.9	837.0	839.0	842.8	835.1	831.2	827.3	831.2
65°	734.1	745.7	743.8	749.6	751.6	753.5	755.4	751.6	747.7	743.8	741.9
67.5°	652.5	664.2	671.9	673.9	675.8	681.6	679.7	675.8	671.9	666.1	664.2
70°	578.7	594.3	604.0	607.9	615.6	611.7	611.7	609.8	605.9	600.1	598.1
72.5°	516.6	534.1	543.8	547.6	555.4	555.4	553.5	551.5	547.6	541.8	539.9
75°	462.2	477.7	491.3	499.1	504.9	504.9	503.0	501.0	497.2	493.3	491.3
77.5°	419.5	433.1	444.7	454.4	458.3	460.3	458.3	454.4	454.4	452.5	450.5
80°	376.8	392.3	403.9	413.7	419.5	419.5	417.5	419.5	415.6	413.7	411.7
82.5°	339.9	357.3	370.9	380.6	384.5	386.5	384.5	386.5	382.6	382.6	382.6
85°	306.8	324.3	339.9	347.6	353.4	355.4	355.4	355.4	353.4	353.4	353.4
87.5°	279.7	297.1	312.7	320.4	326.3	328.2	328.2	330.1	326.3	326.3	326.3
90°	254.4	271.9	287.4	295.2	301.0	304.9	304.9	306.8	304.9	303.0	303.0
92.5°	231.1	250.5	266.1	273.8	279.7	285.5	285.5	287.4	283.5	283.5	283.5
95°	211.7	231.1	244.7	254.4	260.2	264.1	266.1	266.1	264.1	264.1	264.1
97.5°	194.2	211.7	225.3	235.0	240.8	242.8	244.7	246.6	244.7	244.7	244.7
100°	176.7	194.2	207.8	215.6	223.3	225.3	227.2	229.2	229.2	227.2	227.2
102.5°	161.2	178.7	190.3	200.0	205.9	209.7	211.7	211.7	211.7	211.7	211.7
105°	145.7	163.1	174.8	184.5	190.3	194.2	196.1	198.1	198.1	196.1	196.1
107.5°	132.1	147.6	161.2	169.0	176.7	180.6	182.5	182.5	184.5	182.5	182.5
110°	118.5	135.9	147.6	155.4	163.1	167.0	169.0	170.9	170.9	170.9	170.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	108.8	122.3	134.0	141.8	149.5	153.4	155.4	157.3	159.2	157.3	157.3
115°	97.1	110.7	122.3	130.1	135.9	139.8	143.7	145.7	145.7	147.6	145.7
117.5°	87.4	99.0	110.7	118.5	124.3	130.1	132.1	134.0	135.9	134.0	134.0
120°	77.7	89.3	99.0	106.8	112.6	118.5	120.4	122.3	124.3	122.3	122.3
122.5°	69.9	79.6	89.3	97.1	102.9	106.8	110.7	110.7	112.6	112.6	112.6
125°	62.1	71.9	79.6	87.4	93.2	97.1	99.0	101.0	101.0	102.9	102.9
127.5°	54.4	62.1	71.9	77.7	83.5	87.4	89.3	91.3	91.3	93.2	93.2
130°	46.6	54.4	62.1	68.0	73.8	77.7	79.6	81.6	83.5	83.5	83.5
132.5°	40.8	48.6	54.4	60.2	64.1	68.0	71.9	73.8	73.8	73.8	73.8
135°	33.0	40.8	46.6	52.4	56.3	60.2	62.1	66.0	66.0	66.0	66.0
137.5°	27.2	35.0	40.8	44.7	48.6	52.4	54.4	56.3	58.3	58.3	58.3
140°	21.4	27.2	33.0	38.8	42.7	44.7	48.6	48.6	50.5	50.5	50.5
142.5°	15.5	21.4	25.2	31.1	35.0	38.8	40.8	42.7	42.7	42.7	42.7
145°	11.7	15.5	19.4	23.3	29.1	31.1	33.0	35.0	36.9	36.9	36.9
147.5°	7.8	11.7	13.6	17.5	21.4	25.2	27.2	29.1	31.1	31.1	31.1
150°	5.8	7.8	11.7	13.6	15.5	19.4	23.3	23.3	25.2	25.2	23.3
152.5°	3.9	5.8	7.8	9.7	11.7	13.6	17.5	17.5	19.4	19.4	19.4
155°	3.9	3.9	3.9	5.8	7.8	9.7	11.7	13.6	13.6	13.6	13.6
157.5°	3.9	3.9	3.9	3.9	3.9	5.8	7.8	9.7	9.7	9.7	9.7
160°	3.9	3.9	1.9	1.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8
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-LD5-106SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6
2.5°	3526.7	3530.6	3530.6	3526.7	3524.8	3532.5	3522.8	3485.9	3497.6	3501.5	3513.1
5°	3509.2	3513.1	3513.1	3513.1	3509.2	3517.0	3507.3	3470.4	3484.0	3489.8	3497.6
7.5°	3484.0	3485.9	3489.8	3487.9	3484.0	3495.6	3485.9	3449.0	3458.7	3468.4	3478.2
10°	3451.0	3451.0	3452.9	3456.8	3452.9	3462.6	3452.9	3419.9	3429.6	3435.4	3447.1
12.5°	3406.3	3410.2	3412.1	3410.2	3408.2	3416.0	3412.1	3381.1	3384.9	3396.6	3408.2
15°	3346.1	3346.1	3355.8	3351.9	3351.9	3359.7	3363.6	3328.6	3334.4	3351.9	3363.6
17.5°	3272.3	3274.2	3282.0	3285.9	3284.0	3297.5	3299.5	3272.3	3270.4	3291.7	3303.4
20°	3177.1	3181.0	3190.7	3198.5	3198.5	3214.0	3219.9	3202.4	3204.3	3227.6	3231.5
22.5°	3060.6	3060.6	3078.1	3089.8	3099.5	3109.2	3126.7	3111.1	3111.1	3142.2	3159.7
25°	2916.9	2930.5	2936.3	2959.6	2973.2	3000.4	3016.0	3017.9	3019.8	3049.0	3060.6
27.5°	2757.7	2761.6	2779.0	2806.2	2821.8	2847.0	2876.1	2882.0	2891.7	2930.5	2948.0
30°	2577.1	2588.7	2596.5	2635.3	2656.7	2689.7	2726.6	2740.2	2748.0	2800.4	2821.8
32.5°	2392.6	2396.5	2429.5	2450.8	2476.1	2511.0	2553.8	2579.0	2594.5	2648.9	2680.0
35°	2208.1	2215.8	2243.0	2270.2	2295.5	2330.4	2375.1	2410.0	2437.2	2485.8	2526.6
37.5°	2039.1	2058.5	2064.4	2091.6	2111.0	2145.9	2177.0	2227.5	2254.7	2305.2	2357.6
40°	1887.6	1893.5	1897.4	1924.5	1938.1	1971.2	2015.8	2048.8	2085.7	2122.6	2184.8
42.5°	1738.1	1742.0	1747.8	1763.4	1778.9	1802.2	1835.2	1868.2	1907.1	1961.4	2002.2
45°	1600.2	1604.1	1608.0	1617.7	1631.3	1652.7	1674.0	1697.3	1736.2	1782.8	1825.5
47.5°	1472.1	1479.8	1479.8	1481.8	1491.5	1508.9	1524.5	1553.6	1575.0	1600.2	1648.8
50°	1349.7	1355.5	1357.5	1357.5	1363.3	1375.0	1378.8	1398.3	1417.7	1441.0	1475.9
52.5°	1235.1	1235.1	1233.2	1241.0	1241.0	1248.7	1250.7	1262.3	1275.9	1301.2	1316.7
55°	1126.4	1126.4	1132.2	1128.3	1128.3	1132.2	1130.3	1132.2	1143.8	1159.4	1173.0
57.5°	1021.5	1019.6	1025.4	1021.5	1019.6	1023.4	1027.3	1019.6	1021.5	1037.0	1037.0
60°	916.6	918.6	924.4	920.5	920.5	920.5	916.6	912.7	908.9	918.6	922.5
62.5°	833.1	827.3	833.1	827.3	831.2	829.2	825.4	817.6	819.5	815.6	811.8
65°	745.7	745.7	747.7	741.9	745.7	745.7	739.9	738.0	726.3	722.4	712.7
67.5°	670.0	670.0	671.9	668.1	668.1	670.0	664.2	658.3	646.7	640.9	627.3
70°	604.0	604.0	604.0	602.0	602.0	602.0	598.1	590.4	578.7	569.0	551.5
72.5°	543.8	545.7	543.8	543.8	549.6	543.8	537.9	530.2	520.5	501.0	485.5
75°	495.2	497.2	495.2	495.2	495.2	493.3	491.3	479.7	468.0	452.5	429.2
77.5°	452.5	452.5	454.4	452.5	452.5	450.5	444.7	435.0	421.4	407.8	380.6
80°	411.7	413.7	415.6	417.5	413.7	411.7	405.9	398.1	380.6	365.1	337.9
82.5°	382.6	380.6	382.6	384.5	380.6	378.7	372.9	363.2	349.6	328.2	301.0
85°	353.4	351.5	351.5	353.4	351.5	347.6	341.8	332.1	318.5	297.1	269.9
87.5°	324.3	326.3	328.2	326.3	324.3	320.4	314.6	304.9	289.4	271.9	242.8
90°	303.0	303.0	303.0	303.0	301.0	297.1	291.3	279.7	266.1	244.7	219.4
92.5°	283.5	283.5	283.5	283.5	281.6	275.8	269.9	260.2	244.7	223.3	200.0
95°	264.1	266.1	264.1	264.1	260.2	258.3	248.6	238.9	225.3	203.9	178.7
97.5°	242.8	244.7	242.8	242.8	240.8	236.9	231.1	219.4	205.9	186.4	163.1
100°	227.2	227.2	225.3	225.3	223.3	219.4	211.7	202.0	188.4	169.0	145.7
102.5°	209.7	211.7	209.7	209.7	205.9	202.0	196.1	186.4	172.8	153.4	132.1
105°	196.1	196.1	194.2	194.2	190.3	186.4	180.6	169.0	157.3	139.8	118.5
107.5°	182.5	182.5	180.6	180.6	176.7	172.8	165.1	155.4	143.7	126.2	106.8
110°	169.0	169.0	169.0	167.0	163.1	157.3	151.5	141.8	130.1	114.6	95.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	159.2	157.3	155.4	153.4	149.5	145.7	137.9	128.2	116.5	102.9	85.4
115°	145.7	145.7	143.7	141.8	137.9	132.1	126.2	118.5	106.8	91.3	75.7
117.5°	134.0	134.0	132.1	130.1	126.2	120.4	114.6	106.8	95.2	81.6	68.0
120°	122.3	122.3	120.4	118.5	114.6	108.8	104.9	95.2	85.4	71.9	60.2
122.5°	112.6	110.7	110.7	106.8	104.9	99.0	93.2	85.4	75.7	64.1	52.4
125°	101.0	101.0	99.0	97.1	95.2	89.3	83.5	75.7	66.0	56.3	46.6
127.5°	91.3	91.3	89.3	87.4	85.4	79.6	73.8	68.0	58.3	48.6	38.8
130°	81.6	81.6	79.6	77.7	75.7	69.9	66.0	58.3	50.5	42.7	33.0
132.5°	73.8	73.8	71.9	69.9	66.0	62.1	58.3	50.5	44.7	36.9	29.1
135°	66.0	64.1	64.1	62.1	58.3	54.4	50.5	44.7	36.9	31.1	23.3
137.5°	58.3	56.3	54.4	52.4	50.5	46.6	42.7	38.8	33.0	25.2	19.4
140°	50.5	48.6	48.6	46.6	42.7	40.8	36.9	31.1	27.2	21.4	15.5
142.5°	42.7	42.7	40.8	38.8	36.9	35.0	31.1	27.2	21.4	17.5	11.7
145°	36.9	35.0	35.0	33.0	31.1	27.2	25.2	21.4	17.5	13.6	9.7
147.5°	29.1	29.1	29.1	27.2	25.2	23.3	21.4	17.5	13.6	9.7	5.8
150°	23.3	23.3	23.3	21.4	19.4	17.5	15.5	13.6	9.7	5.8	3.9
152.5°	19.4	19.4	17.5	17.5	15.5	13.6	11.7	9.7	5.8	3.9	3.9
155°	13.6	13.6	13.6	11.7	11.7	9.7	7.8	5.8	3.9	3.9	3.9
157.5°	9.7	9.7	9.7	7.8	7.8	5.8	5.8	3.9	3.9	3.9	3.9
160°	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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-LD5-106SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6	3530.6
2.5°	3507.3	3505.3	3520.9	3520.9	3503.4	3530.6	3559.7
5°	3495.6	3493.7	3509.2	3509.2	3493.7	3520.9	3552.0
7.5°	3472.3	3474.3	3489.8	3493.7	3474.3	3499.5	3532.5
10°	3447.1	3445.1	3462.6	3466.5	3451.0	3474.3	3505.3
12.5°	3406.3	3406.3	3423.8	3429.6	3414.1	3441.3	3470.4
15°	3363.6	3363.6	3375.2	3384.9	3371.3	3396.6	3425.7
17.5°	3309.2	3307.3	3318.9	3330.6	3317.0	3344.2	3375.2
20°	3239.3	3239.3	3252.9	3266.5	3256.8	3282.0	3317.0
22.5°	3165.5	3157.7	3181.0	3190.7	3184.9	3210.2	3245.1
25°	3072.3	3070.3	3093.6	3107.2	3099.5	3126.7	3157.7
27.5°	2971.3	2969.3	2992.7	3010.1	3006.2	3031.5	3066.4
30°	2848.9	2858.7	2880.0	2909.1	2899.4	2926.6	2963.5
32.5°	2720.8	2730.5	2755.7	2786.8	2788.7	2810.1	2847.0
35°	2567.4	2592.6	2610.1	2650.9	2658.6	2680.0	2718.8
37.5°	2406.2	2435.3	2472.2	2503.3	2518.8	2536.3	2580.9
40°	2225.6	2268.3	2309.1	2346.0	2365.4	2382.9	2425.6
42.5°	2062.4	2095.4	2134.3	2171.2	2206.1	2221.7	2266.3
45°	1877.9	1916.8	1951.7	1996.4	2031.4	2048.8	2093.5
47.5°	1697.3	1736.2	1782.8	1813.8	1850.7	1868.2	1910.9
50°	1524.5	1559.4	1598.3	1635.2	1666.3	1681.8	1718.7
52.5°	1353.6	1390.5	1427.4	1450.7	1483.7	1495.4	1526.4
55°	1202.1	1227.4	1260.4	1274.0	1307.0	1314.7	1336.1
57.5°	1056.5	1073.9	1085.6	1108.9	1132.2	1149.7	1174.9
60°	924.4	932.2	939.9	953.5	973.0	978.8	988.5
62.5°	805.9	804.0	819.5	823.4	825.4	844.8	835.1
65°	701.1	703.0	689.4	683.6	691.4	697.2	693.3
67.5°	613.7	602.0	590.4	576.8	565.1	571.0	565.1
70°	528.2	518.5	499.1	479.7	471.9	460.3	454.4
72.5°	460.3	437.0	417.5	392.3	378.7	365.1	355.4
75°	407.8	374.8	347.6	320.4	301.0	281.6	277.7
77.5°	353.4	322.4	291.3	262.2	233.0	211.7	203.9
80°	310.7	281.6	244.7	209.7	178.7	151.5	141.8
82.5°	271.9	240.8	203.9	167.0	132.1	102.9	91.3
85°	238.9	205.9	169.0	132.1	97.1	66.0	50.5
87.5°	213.6	176.7	139.8	104.9	68.0	36.9	19.4
90°	190.3	155.4	120.4	83.5	48.6	19.4	0.0
92.5°	169.0	135.9	101.0	68.0	36.9	11.7	1.9
95°	149.5	120.4	85.4	54.4	27.2	7.8	1.9
97.5°	134.0	104.9	73.8	44.7	21.4	5.8	1.9
100°	120.4	91.3	64.1	36.9	17.5	3.9	1.9
102.5°	106.8	81.6	54.4	31.1	13.6	1.9	1.9
105°	95.2	71.9	46.6	27.2	11.7	1.9	1.9
107.5°	85.4	64.1	40.8	23.3	7.8	1.9	1.9
110°	75.7	54.4	35.0	19.4	5.8	1.9	1.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	68.0	48.6	31.1	15.5	3.9	1.9	1.9
115°	60.2	42.7	27.2	13.6	3.9	1.9	1.9
117.5°	52.4	36.9	23.3	9.7	1.9	1.9	1.9
120°	46.6	33.0	19.4	7.8	1.9	1.9	1.9
122.5°	40.8	27.2	15.5	5.8	1.9	1.9	1.9
125°	35.0	23.3	13.6	3.9	1.9	1.9	1.9
127.5°	29.1	19.4	9.7	3.9	1.9	1.9	1.9
130°	25.2	15.5	7.8	1.9	1.9	1.9	1.9
132.5°	21.4	11.7	5.8	1.9	1.9	1.9	1.9
135°	17.5	9.7	3.9	1.9	1.9	1.9	1.9
137.5°	13.6	7.8	3.9	1.9	1.9	1.9	1.9
140°	9.7	5.8	1.9	1.9	1.9	1.9	1.9
142.5°	7.8	3.9	1.9	1.9	1.9	1.9	1.9
145°	5.8	3.9	1.9	1.9	1.9	1.9	1.9
147.5°	3.9	3.9	3.9	3.9	1.9	1.9	1.9
150°	3.9	3.9	1.9	1.9	3.9	1.9	1.9
152.5°	3.9	1.9	1.9	1.9	3.9	1.9	1.9
155°	3.9	3.9	3.9	3.9	3.9	3.9	1.9
157.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9
160°	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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)