

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-LD5-75SL-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-LD5-75SL-LC-UNV-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR LENSED  
Light Source: -  
Ballast/Driver: -

**Summary**

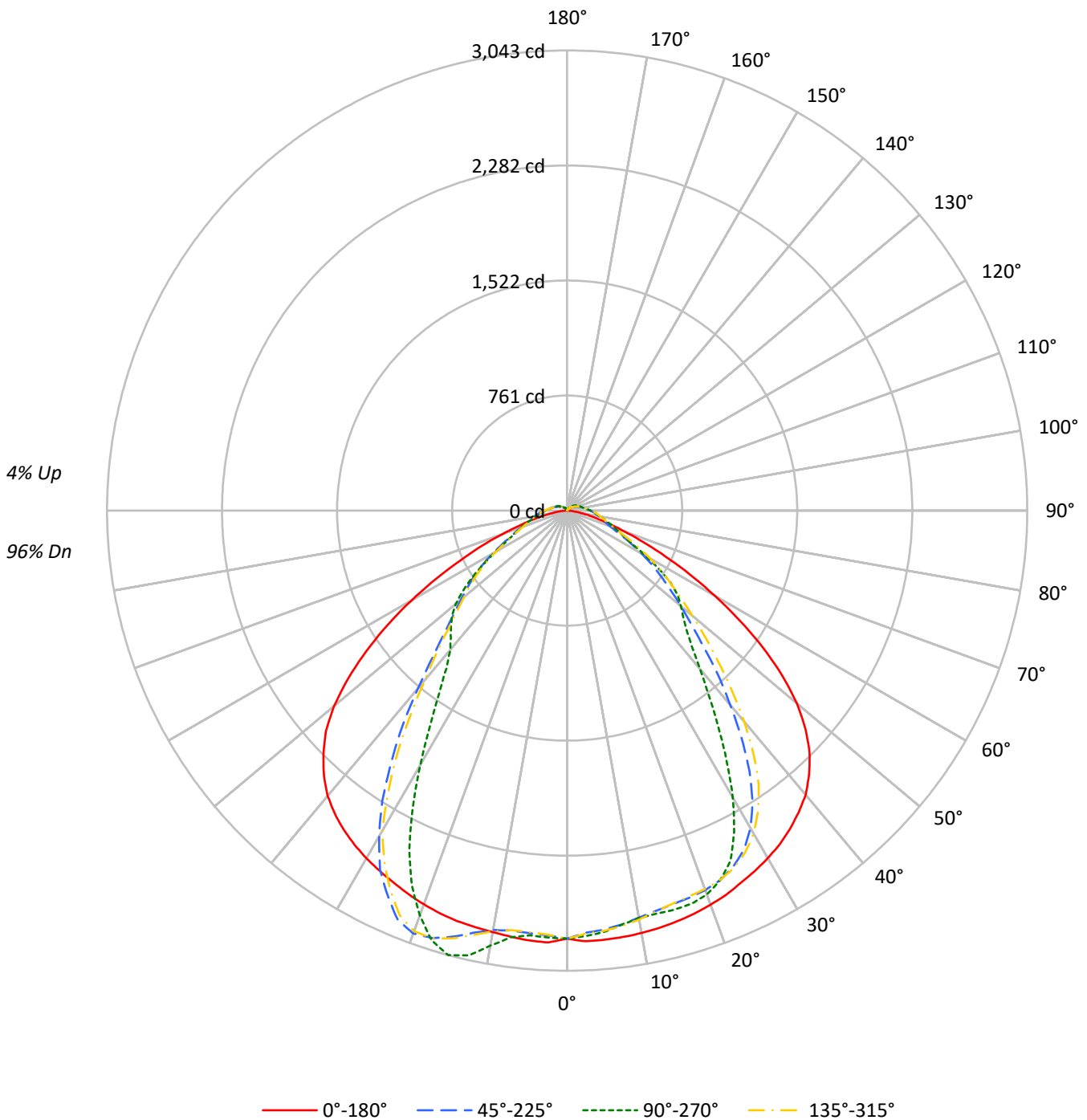
Lumens per Lamp: N/A  
Luminaire Lumens: 6748.0 lumens  
Efficiency: N/A  
Efficacy: 122.7 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 55  
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°	11437	11437	11437	11437
5°	11536	10984	11560	11070
10°	11606	10527	11582	11242
15°	11712	10386	11706	11564
20°	11859	10222	11846	10775
25°	12024	9697	12017	9370
30°	12270	8404	12277	7446
35°	12534	6796	12570	5751
40°	12773	5472	12826	4821
45°	12759	4635	12824	4513
50°	12244	4267	12415	4172
55°	10901	3835	11173	3487
60°	8881	2936	9353	2692
65°	6641	2246	7154	2130
70°	4555	1939	5134	1853
75°	3020	1749	3515	1654
80°	2001	1631	2345	1501
85°	1094	1627	1440	1486



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.9	4.0
10°-20°	800.0	11.9
20°-30°	1216.2	18.0
30°-40°	1304.7	19.3
40°-50°	1132.4	16.8
50°-60°	839.2	12.4
60°-70°	480.8	7.1
70°-80°	266.3	3.9
80°-90°	162.1	2.4
90°-100°	105.4	1.6
100°-110°	70.6	1.0
110°-120°	47.7	0.7
120°-130°	29.3	0.4
130°-140°	15.4	0.2
140°-150°	7.0	0.1
150°-160°	2.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2285.1	33.9
0°-40°	3589.8	53.2
0°-60°	5561.3	82.4
0°-90°	6470.5	95.9
90°-120°	223.7	3.3
90°-150°	275.4	4.1
90°-180°	277.0	4.1
0°-180°	6748.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2831	2831	2831	2831	2831	
5°	2848	2797	2854	2819	2848	271
15°	2812	2733	2810	3043	2812	796
25°	2717	2556	2715	2470	2717	1256
35°	2569	1740	2576	1472	2569	1608
45°	2268	1116	2279	1086	2268	1736
55°	1582	836	1622	760	1582	1403
65°	718	424	773	402	718	724
75°	205	269	238	254	205	234
85°	28	186	37	170	28	37
90°	0	155	3	143	0	1
95°	2	127	0	121	2	1
105°	2	95	2	91	2	2
115°	2	78	2	70	2	1
125°	2	58	2	48	2	1
135°	2	37	2	31	2	1
145°	2	22	3	18	2	1
155°	3	10	3	9	3	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2851.1	2843.8	2840.8	2835.0	2839.4	2856.9	2845.2	2826.2	2827.7	2794.1	2811.6
5°	2848.2	2839.4	2835.0	2829.2	2832.1	2848.2	2836.5	2817.5	2816.0	2782.4	2798.4
7.5°	2843.8	2835.0	2827.7	2823.3	2824.8	2837.9	2823.3	2801.4	2797.0	2760.4	2775.1
10°	2836.5	2830.6	2820.4	2813.1	2811.6	2826.2	2802.8	2780.9	2770.7	2732.7	2747.3
12.5°	2826.2	2817.5	2807.2	2794.1	2792.6	2801.4	2782.4	2751.7	2741.4	2710.7	2726.8
15°	2811.6	2801.4	2789.7	2775.1	2767.7	2773.6	2750.2	2722.4	2721.0	2694.6	2716.6
17.5°	2795.5	2780.9	2767.7	2747.3	2737.0	2741.4	2722.4	2697.6	2700.5	2684.4	2709.3
20°	2773.6	2757.5	2737.0	2716.6	2702.0	2709.3	2696.1	2677.1	2681.5	2669.8	2691.7
22.5°	2748.7	2726.8	2702.0	2678.6	2666.9	2677.1	2666.9	2650.8	2652.2	2644.9	2658.1
25°	2716.6	2691.7	2662.5	2633.2	2627.4	2634.7	2628.8	2615.7	2609.8	2598.1	2604.0
27.5°	2687.3	2659.5	2623.0	2592.3	2582.1	2596.7	2583.5	2561.6	2545.5	2529.4	2517.7
30°	2653.7	2620.1	2579.1	2544.0	2535.3	2541.1	2522.1	2488.5	2446.1	2425.6	2393.4
32.5°	2617.1	2573.3	2522.1	2482.6	2476.8	2472.4	2437.3	2389.1	2323.3	2282.3	2232.6
35°	2568.9	2520.7	2459.2	2411.0	2402.2	2377.4	2320.3	2256.0	2171.2	2101.0	2016.2
37.5°	2514.8	2457.8	2393.4	2329.1	2304.3	2254.5	2174.1	2106.9	1978.2	1893.4	1791.1
40°	2453.4	2384.7	2305.7	2228.2	2187.3	2106.9	2014.8	1915.3	1791.1	1677.0	1590.8
42.5°	2368.6	2295.5	2201.9	2115.7	2045.5	1938.7	1830.5	1690.2	1576.1	1479.6	1391.9
45°	2267.7	2180.0	2071.8	1968.0	1878.8	1751.6	1624.4	1484.0	1389.0	1276.4	1216.5
47.5°	2137.6	2042.5	1927.0	1811.5	1694.6	1554.2	1421.2	1286.6	1191.6	1111.2	1067.3
50°	1984.1	1896.3	1769.1	1631.7	1503.0	1356.8	1223.8	1122.9	1030.8	981.1	947.4
52.5°	1794.0	1712.1	1582.0	1432.9	1308.6	1165.3	1043.9	962.1	896.3	859.7	848.0
55°	1582.0	1510.3	1381.7	1242.8	1115.6	984.0	891.9	820.2	777.8	755.9	757.4
57.5°	1355.4	1299.8	1178.4	1054.2	934.3	834.9	751.5	694.5	662.3	660.9	665.3
60°	1128.7	1087.8	982.5	875.8	770.5	690.1	628.7	589.2	568.8	570.2	568.8
62.5°	912.3	874.3	798.3	710.6	627.2	573.1	517.6	501.5	484.0	482.5	482.5
65°	717.9	688.6	627.2	564.4	501.5	466.4	438.6	419.6	406.5	403.5	405.0
67.5°	539.5	527.8	485.4	443.0	403.5	381.6	358.2	353.8	343.6	343.6	346.5
70°	402.1	393.3	369.9	345.1	329.0	314.4	302.7	302.7	301.2	299.7	307.0
72.5°	291.0	292.4	285.1	266.1	264.6	261.7	258.8	263.2	264.6	269.0	277.8
75°	204.7	209.1	209.1	206.2	212.0	219.3	223.7	231.0	239.8	245.6	255.9
77.5°	144.7	144.7	152.1	160.8	172.5	185.7	197.4	207.6	219.3	226.6	235.4
80°	93.6	98.0	109.7	125.7	141.8	159.4	175.5	188.6	200.3	212.0	217.9
82.5°	55.6	62.9	77.5	98.0	118.4	140.4	156.4	172.5	185.7	197.4	201.8
85°	27.8	38.0	55.6	77.5	99.4	122.8	143.3	157.9	172.5	182.8	188.6
87.5°	8.8	20.5	39.5	59.9	83.3	106.7	128.7	144.7	157.9	166.7	172.5
90°	0.0	10.2	27.8	49.7	71.6	95.0	115.5	133.1	146.2	153.5	157.9
92.5°	0.0	5.8	21.9	40.9	61.4	84.8	105.3	121.4	133.1	140.4	143.3
95°	1.5	4.4	16.1	33.6	54.1	76.0	95.0	109.7	121.4	128.7	130.1
97.5°	1.5	2.9	13.2	27.8	46.8	67.3	86.3	100.9	109.7	117.0	118.4
100°	1.5	2.9	10.2	24.9	40.9	59.9	77.5	90.6	100.9	106.7	108.2
102.5°	1.5	1.5	8.8	20.5	36.6	52.6	68.7	81.9	90.6	96.5	99.4
105°	1.5	1.5	7.3	17.5	32.2	46.8	61.4	74.6	81.9	87.7	90.6
107.5°	1.5	1.5	5.8	14.6	27.8	40.9	55.6	65.8	74.6	80.4	83.3
110°	1.5	1.5	4.4	13.2	23.4	36.6	48.2	58.5	67.3	73.1	76.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.5	1.5	4.4	11.7	20.5	32.2	42.4	52.6	59.9	65.8	70.2
115°	1.5	1.5	4.4	10.2	19.0	27.8	38.0	46.8	54.1	59.9	64.3
117.5°	1.5	1.5	4.4	8.8	16.1	24.9	33.6	42.4	48.2	54.1	58.5
120°	1.5	1.5	2.9	7.3	14.6	21.9	29.2	36.6	43.9	49.7	54.1
122.5°	1.5	1.5	2.9	7.3	11.7	19.0	26.3	32.2	39.5	43.9	48.2
125°	1.5	1.5	2.9	5.8	10.2	17.5	23.4	29.2	33.6	39.5	43.9
127.5°	1.5	1.5	2.9	5.8	8.8	14.6	20.5	26.3	30.7	35.1	38.0
130°	1.5	1.5	2.9	4.4	7.3	11.7	17.5	21.9	27.8	30.7	33.6
132.5°	1.5	1.5	1.5	4.4	5.8	8.8	13.2	19.0	23.4	27.8	29.2
135°	1.5	1.5	1.5	2.9	5.8	7.3	10.2	14.6	19.0	23.4	26.3
137.5°	1.5	1.5	1.5	2.9	4.4	7.3	8.8	11.7	16.1	19.0	23.4
140°	1.5	1.5	1.5	2.9	4.4	5.8	7.3	10.2	13.2	16.1	19.0
142.5°	1.5	1.5	1.5	2.9	2.9	4.4	5.8	8.8	10.2	13.2	16.1
145°	1.5	1.5	1.5	2.9	2.9	4.4	5.8	7.3	8.8	10.2	13.2
147.5°	1.5	1.5	1.5	2.9	2.9	2.9	4.4	5.8	7.3	8.8	10.2
150°	2.9	2.9	2.9	2.9	2.9	2.9	4.4	4.4	5.8	7.3	8.8
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	4.4	4.4	4.4	5.8	7.3
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.4	4.4	5.8	5.8
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°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2805.8	2808.7	2826.2	2824.8	2821.8	2818.9	2818.9	2816.0	2818.9	2826.2	2823.3
5°	2791.1	2795.5	2808.7	2807.2	2804.3	2802.8	2801.4	2797.0	2799.9	2810.1	2807.2
7.5°	2764.8	2769.2	2780.9	2775.1	2770.7	2773.6	2766.3	2761.9	2767.7	2778.0	2776.5
10°	2737.0	2740.0	2754.6	2751.7	2744.4	2745.8	2738.5	2735.6	2742.9	2748.7	2750.2
12.5°	2718.0	2728.3	2741.4	2740.0	2738.5	2740.0	2732.7	2729.7	2734.1	2740.0	2738.5
15°	2713.6	2726.8	2741.4	2741.4	2742.9	2744.4	2737.0	2732.7	2737.0	2741.4	2740.0
17.5°	2709.3	2725.3	2738.5	2737.0	2738.5	2741.4	2729.7	2726.8	2732.7	2738.5	2735.6
20°	2694.6	2709.3	2718.0	2715.1	2715.1	2716.6	2702.0	2702.0	2710.7	2715.1	2716.6
22.5°	2653.7	2671.2	2671.2	2663.9	2663.9	2658.1	2653.7	2644.9	2655.2	2662.5	2668.3
25°	2592.3	2599.6	2590.8	2574.7	2566.0	2558.7	2538.2	2555.7	2555.7	2577.7	2585.0
27.5°	2506.0	2489.9	2465.1	2431.5	2424.2	2400.8	2387.6	2392.0	2399.3	2430.0	2453.4
30°	2364.2	2316.0	2273.6	2258.9	2226.8	2203.4	2180.0	2191.7	2204.8	2222.4	2270.6
32.5°	2177.1	2130.3	2061.6	2036.7	2003.1	1973.8	1946.0	1963.6	1987.0	1998.7	2051.3
35°	1962.1	1906.6	1843.7	1801.3	1766.2	1750.1	1715.0	1739.9	1764.7	1773.5	1818.8
37.5°	1734.0	1677.0	1621.5	1584.9	1551.3	1541.0	1517.7	1535.2	1554.2	1567.4	1605.4
40°	1517.7	1465.0	1422.6	1397.8	1374.4	1365.6	1356.8	1364.1	1378.8	1389.0	1418.2
42.5°	1332.0	1289.6	1260.3	1245.7	1229.6	1217.9	1219.4	1222.3	1229.6	1251.6	1264.7
45°	1169.7	1144.8	1125.8	1122.9	1112.7	1111.2	1109.7	1115.6	1120.0	1133.1	1143.4
47.5°	1039.5	1029.3	1024.9	1030.8	1035.2	1029.3	1032.2	1039.5	1048.3	1048.3	1046.9
50°	937.2	940.1	946.0	959.1	967.9	970.8	973.8	982.5	984.0	986.9	982.5
52.5°	853.9	856.8	872.9	893.3	903.6	908.0	913.8	922.6	922.6	925.5	919.7
55°	769.1	773.4	789.5	810.0	818.8	824.6	830.5	836.3	840.7	846.6	842.2
57.5°	675.5	688.6	698.9	704.7	710.6	715.0	719.4	720.8	729.6	731.0	738.4
60°	576.1	579.0	589.2	587.8	583.4	595.1	589.2	599.5	609.7	622.9	624.3
62.5°	481.0	482.5	489.8	486.9	492.7	491.3	495.7	495.7	503.0	508.8	516.1
65°	406.5	407.9	413.8	413.8	412.3	416.7	421.1	424.0	424.0	428.4	434.2
67.5°	350.9	355.3	361.1	364.1	367.0	367.0	371.4	372.8	375.8	377.2	380.1
70°	312.9	318.7	324.6	327.5	329.0	331.9	333.4	333.4	336.3	337.7	340.7
72.5°	285.1	291.0	295.3	295.3	298.3	299.7	299.7	301.2	302.7	305.6	308.5
75°	261.7	266.1	269.0	267.6	267.6	267.6	269.0	269.0	271.9	274.9	277.8
77.5°	239.8	244.2	244.2	241.2	241.2	241.2	241.2	242.7	244.2	247.1	250.0
80°	223.7	223.7	222.2	222.2	219.3	217.9	217.9	219.3	219.3	222.2	226.6
82.5°	206.2	206.2	204.7	203.2	201.8	200.3	200.3	201.8	203.2	204.7	207.6
85°	190.1	190.1	187.1	187.1	185.7	185.7	185.7	185.7	187.1	188.6	191.5
87.5°	174.0	172.5	171.1	169.6	169.6	169.6	169.6	169.6	171.1	174.0	175.5
90°	157.9	156.4	155.0	155.0	153.5	153.5	155.0	155.0	156.4	157.9	159.4
92.5°	143.3	141.8	140.4	140.4	138.9	138.9	140.4	138.9	141.8	141.8	143.3
95°	130.1	128.7	127.2	127.2	127.2	127.2	127.2	127.2	128.7	128.7	130.1
97.5°	118.4	117.0	115.5	115.5	117.0	115.5	117.0	117.0	117.0	118.4	119.9
100°	108.2	106.7	106.7	108.2	106.7	106.7	108.2	108.2	108.2	108.2	109.7
102.5°	99.4	99.4	99.4	99.4	99.4	99.4	100.9	100.9	100.9	100.9	102.3
105°	90.6	92.1	92.1	92.1	93.6	93.6	93.6	95.0	95.0	95.0	95.0
107.5°	84.8	86.3	86.3	87.7	87.7	89.2	89.2	89.2	89.2	90.6	90.6
110°	79.0	80.4	81.9	83.3	83.3	84.8	84.8	84.8	84.8	84.8	84.8





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	73.1	74.6	76.0	79.0	80.4	80.4	80.4	80.4	81.9	81.9	80.4
115°	67.3	70.2	71.6	74.6	76.0	76.0	77.5	77.5	77.5	77.5	76.0
117.5°	61.4	65.8	67.3	70.2	71.6	71.6	73.1	73.1	73.1	73.1	71.6
120°	57.0	59.9	62.9	64.3	65.8	67.3	67.3	68.7	68.7	68.7	67.3
122.5°	52.6	55.6	58.5	59.9	61.4	62.9	62.9	62.9	62.9	62.9	62.9
125°	46.8	49.7	52.6	54.1	55.6	57.0	57.0	58.5	58.5	58.5	57.0
127.5°	42.4	45.3	46.8	49.7	51.2	51.2	52.6	52.6	52.6	52.6	51.2
130°	36.6	39.5	42.4	43.9	45.3	45.3	46.8	46.8	46.8	46.8	46.8
132.5°	32.2	35.1	36.6	39.5	39.5	40.9	40.9	42.4	42.4	42.4	40.9
135°	29.2	30.7	32.2	35.1	35.1	36.6	36.6	36.6	36.6	36.6	36.6
137.5°	26.3	27.8	29.2	30.7	30.7	32.2	32.2	32.2	32.2	33.6	32.2
140°	21.9	24.9	26.3	26.3	27.8	27.8	27.8	29.2	29.2	29.2	27.8
142.5°	19.0	20.5	21.9	23.4	24.9	24.9	24.9	24.9	26.3	24.9	24.9
145°	14.6	17.5	19.0	20.5	21.9	21.9	21.9	21.9	21.9	21.9	21.9
147.5°	11.7	13.2	16.1	17.5	17.5	19.0	19.0	19.0	19.0	19.0	19.0
150°	10.2	10.2	13.2	14.6	16.1	16.1	16.1	16.1	16.1	16.1	16.1
152.5°	7.3	8.8	10.2	11.7	13.2	13.2	13.2	13.2	13.2	13.2	13.2
155°	7.3	7.3	8.8	8.8	10.2	10.2	10.2	10.2	11.7	10.2	10.2
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-LD5-75SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2818.9	2817.5	2823.3	2817.5	2788.2	2799.9	2795.5	2811.6	2813.1	2817.5	2832.1
5°	2804.3	2804.3	2811.6	2805.8	2778.0	2789.7	2788.2	2804.3	2807.2	2810.1	2826.2
7.5°	2775.1	2776.5	2786.8	2782.4	2753.1	2770.7	2769.2	2788.2	2794.1	2799.9	2814.5
10°	2747.3	2745.8	2757.5	2753.1	2725.3	2745.8	2744.4	2763.4	2772.1	2782.4	2799.9
12.5°	2732.7	2728.3	2732.7	2728.3	2697.6	2713.6	2715.1	2737.0	2747.3	2760.4	2780.9
15°	2732.7	2725.3	2725.3	2716.6	2681.5	2691.7	2693.2	2707.8	2721.0	2734.1	2759.0
17.5°	2729.7	2722.4	2721.0	2713.6	2675.6	2675.6	2674.2	2684.4	2691.7	2704.9	2731.2
20°	2713.6	2710.7	2709.3	2704.9	2669.8	2663.9	2661.0	2661.0	2665.4	2669.8	2696.1
22.5°	2671.2	2674.2	2677.1	2680.0	2652.2	2642.0	2643.5	2640.5	2636.2	2636.2	2658.1
25°	2592.3	2606.9	2618.6	2631.8	2615.7	2608.4	2617.1	2612.8	2605.5	2599.6	2618.6
27.5°	2466.6	2497.3	2522.1	2554.3	2555.7	2549.9	2573.3	2570.4	2568.9	2560.1	2574.7
30°	2292.6	2340.8	2374.4	2421.2	2460.7	2466.6	2506.0	2511.9	2517.7	2513.3	2528.0
32.5°	2082.0	2147.8	2204.8	2277.9	2316.0	2349.6	2405.1	2428.5	2451.9	2459.2	2475.3
35°	1852.5	1927.0	1994.3	2074.7	2134.7	2207.8	2275.0	2310.1	2362.7	2383.2	2406.6
37.5°	1634.6	1704.8	1770.6	1851.0	1947.5	2023.5	2106.9	2185.8	2257.5	2286.7	2321.8
40°	1441.6	1498.6	1561.5	1631.7	1719.4	1818.8	1909.5	2019.2	2104.0	2162.4	2213.6
42.5°	1295.4	1323.2	1377.3	1440.2	1510.3	1611.2	1703.3	1826.2	1928.5	2011.8	2096.6
45°	1165.3	1178.4	1217.9	1251.6	1323.2	1412.4	1510.3	1630.2	1737.0	1843.7	1946.0
47.5°	1054.2	1070.3	1089.3	1109.7	1160.9	1235.5	1320.3	1428.5	1535.2	1659.5	1776.4
50°	979.6	984.0	986.9	995.7	1026.4	1077.6	1146.3	1238.4	1340.7	1473.8	1598.1
52.5°	913.8	913.8	905.0	900.7	912.3	944.5	984.0	1049.8	1155.1	1277.9	1409.5
55°	843.6	830.5	827.5	812.9	815.8	830.5	849.5	900.7	986.9	1092.2	1219.4
57.5°	745.7	739.8	739.8	734.0	722.3	729.6	734.0	770.5	831.9	922.6	1033.7
60°	633.1	630.2	637.5	638.9	628.7	633.1	631.6	653.6	697.4	770.5	862.6
62.5°	520.5	533.7	535.1	541.0	535.1	533.7	541.0	560.0	581.9	637.5	709.1
65°	437.2	444.5	445.9	453.2	450.3	450.3	456.2	470.8	484.0	522.0	577.5
67.5°	383.1	380.1	381.6	386.0	381.6	380.1	384.5	393.3	403.5	426.9	466.4
70°	340.7	337.7	337.7	337.7	331.9	327.5	329.0	331.9	336.3	349.4	374.3
72.5°	308.5	308.5	304.1	299.7	295.3	292.4	289.5	286.6	285.1	289.5	302.7
75°	279.3	280.7	279.3	274.9	269.0	263.2	257.3	251.5	244.2	241.2	242.7
77.5°	252.9	254.4	255.9	254.4	248.6	241.2	232.5	223.7	213.5	203.2	197.4
80°	229.5	232.5	233.9	232.5	228.1	222.2	212.0	201.8	187.1	174.0	159.4
82.5°	209.1	213.5	214.9	214.9	212.0	206.2	194.5	182.8	166.7	149.1	130.1
85°	193.0	195.9	198.8	198.8	197.4	191.5	179.8	166.7	150.6	130.1	109.7
87.5°	176.9	178.4	181.3	184.2	181.3	175.5	165.2	150.6	134.5	114.0	90.6
90°	160.8	162.3	165.2	168.1	166.7	160.8	152.1	138.9	121.4	99.4	76.0
92.5°	144.7	147.7	149.1	150.6	152.1	147.7	140.4	127.2	109.7	87.7	65.8
95°	133.1	133.1	136.0	137.4	138.9	134.5	128.7	115.5	99.4	79.0	57.0
97.5°	121.4	121.4	124.3	124.3	125.7	122.8	117.0	105.3	89.2	70.2	48.2
100°	109.7	111.1	112.6	114.0	114.0	112.6	106.7	95.0	80.4	62.9	42.4
102.5°	102.3	102.3	103.8	103.8	105.3	102.3	96.5	86.3	71.6	55.6	36.6
105°	95.0	95.0	96.5	96.5	95.0	92.1	86.3	77.5	64.3	48.2	32.2
107.5°	89.2	89.2	89.2	89.2	87.7	84.8	79.0	68.7	57.0	43.9	29.2
110°	84.8	83.3	83.3	81.9	80.4	76.0	70.2	61.4	51.2	38.0	24.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	80.4	79.0	77.5	76.0	73.1	68.7	62.9	55.6	45.3	33.6	21.9
115°	76.0	74.6	73.1	70.2	67.3	62.9	57.0	49.7	39.5	29.2	19.0
117.5°	71.6	70.2	67.3	64.3	61.4	57.0	51.2	43.9	35.1	26.3	17.5
120°	65.8	64.3	62.9	59.9	57.0	51.2	45.3	39.5	30.7	23.4	14.6
122.5°	61.4	59.9	57.0	55.6	51.2	46.8	40.9	35.1	27.8	20.5	13.2
125°	55.6	54.1	52.6	49.7	46.8	40.9	36.6	30.7	24.9	17.5	10.2
127.5°	51.2	49.7	46.8	43.9	40.9	36.6	32.2	27.8	21.9	14.6	10.2
130°	45.3	43.9	42.4	39.5	36.6	32.2	29.2	23.4	19.0	13.2	8.8
132.5°	39.5	39.5	38.0	35.1	32.2	29.2	24.9	20.5	16.1	11.7	7.3
135°	36.6	35.1	33.6	30.7	29.2	24.9	21.9	17.5	13.2	10.2	5.8
137.5°	32.2	30.7	29.2	27.8	24.9	21.9	19.0	14.6	11.7	8.8	5.8
140°	27.8	26.3	26.3	23.4	21.9	19.0	16.1	13.2	10.2	7.3	4.4
142.5°	24.9	23.4	21.9	20.5	19.0	16.1	13.2	10.2	8.8	5.8	4.4
145°	21.9	20.5	19.0	17.5	16.1	13.2	11.7	8.8	7.3	5.8	4.4
147.5°	17.5	17.5	16.1	14.6	13.2	11.7	10.2	8.8	5.8	4.4	2.9
150°	14.6	14.6	13.2	11.7	11.7	10.2	8.8	7.3	5.8	4.4	2.9
152.5°	13.2	11.7	11.7	10.2	10.2	8.8	7.3	5.8	4.4	4.4	2.9
155°	10.2	10.2	10.2	8.8	8.8	7.3	5.8	5.8	4.4	2.9	2.9
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-LD5-75SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2835.0	2817.5	2832.1	2858.4	2855.5	2852.5	2849.6	2855.5	2874.5	2864.2	2848.2
5°	2830.6	2813.1	2829.2	2854.0	2852.5	2848.2	2845.2	2851.1	2870.1	2859.9	2842.3
7.5°	2821.8	2805.8	2817.5	2842.3	2842.3	2839.4	2836.5	2842.3	2859.9	2851.1	2833.5
10°	2807.2	2795.5	2807.2	2830.6	2832.1	2826.2	2823.3	2830.6	2848.2	2843.8	2829.2
12.5°	2795.5	2783.8	2797.0	2820.4	2821.8	2816.0	2811.6	2820.4	2843.8	2846.7	2842.3
15°	2779.4	2769.2	2785.3	2810.1	2810.1	2805.8	2805.8	2817.5	2849.6	2862.8	2870.1
17.5°	2756.0	2748.7	2767.7	2792.6	2794.1	2791.1	2792.6	2816.0	2858.4	2890.6	2911.0
20°	2726.8	2723.9	2744.4	2770.7	2775.1	2776.5	2783.8	2818.9	2877.4	2921.3	2941.7
22.5°	2691.7	2693.2	2716.6	2744.4	2750.2	2754.6	2769.2	2818.9	2892.0	2938.8	2947.6
25°	2652.2	2656.6	2681.5	2715.1	2722.4	2731.2	2756.0	2820.4	2896.4	2927.1	2912.5
27.5°	2609.8	2618.6	2650.8	2685.9	2694.6	2709.3	2741.4	2811.6	2875.9	2877.4	2823.3
30°	2566.0	2576.2	2614.2	2655.2	2669.8	2684.4	2723.9	2791.1	2826.2	2779.4	2684.4
32.5°	2516.3	2530.9	2568.9	2618.6	2636.2	2655.2	2694.6	2751.7	2738.5	2637.6	2501.6
35°	2453.4	2473.9	2517.7	2576.2	2592.3	2617.1	2644.9	2658.1	2599.6	2456.3	2302.8
37.5°	2375.9	2406.6	2457.8	2525.0	2542.6	2558.7	2566.0	2529.4	2412.5	2257.5	2098.1
40°	2286.7	2333.5	2389.1	2463.6	2481.2	2481.2	2454.9	2377.4	2229.7	2026.5	1849.5
42.5°	2178.5	2235.5	2305.7	2380.3	2397.8	2377.4	2314.5	2178.5	2010.4	1783.8	1596.6
45°	2046.9	2123.0	2201.9	2279.4	2288.2	2242.9	2130.3	1957.7	1750.1	1539.6	1361.2
47.5°	1890.5	1989.9	2076.2	2163.9	2152.2	2076.2	1925.6	1729.7	1510.3	1311.5	1168.2
50°	1715.0	1832.0	1928.5	2011.8	1987.0	1881.7	1704.8	1500.1	1282.3	1112.7	994.2
52.5°	1527.9	1662.4	1758.9	1826.2	1792.5	1666.8	1472.3	1276.4	1098.0	943.1	864.1
55°	1333.4	1469.4	1568.8	1621.5	1577.6	1441.6	1250.1	1071.7	903.6	802.7	755.9
57.5°	1144.8	1272.0	1365.6	1408.0	1352.4	1216.5	1039.5	889.0	767.6	682.8	659.4
60°	963.5	1067.3	1156.5	1188.7	1128.7	1003.0	850.9	731.0	641.9	583.4	571.7
62.5°	795.4	880.2	950.4	975.2	916.7	818.8	687.2	598.0	535.1	505.9	491.3
65°	656.5	706.2	777.8	773.4	738.4	647.7	551.2	488.3	447.4	428.4	419.6
67.5°	516.1	561.4	606.8	612.6	568.8	505.9	443.0	397.7	375.8	365.5	361.1
70°	399.2	432.8	460.6	453.2	429.9	390.4	350.9	326.0	317.3	312.9	312.9
72.5°	310.0	327.5	340.7	331.9	317.3	296.8	277.8	267.6	269.0	271.9	274.9
75°	239.8	244.2	247.1	238.3	235.4	222.2	220.8	222.2	231.0	239.8	244.2
77.5°	184.2	178.4	174.0	165.2	166.7	165.2	172.5	184.2	197.4	210.5	222.2
80°	141.8	128.7	118.4	109.7	114.0	121.4	136.0	153.5	171.1	185.7	200.3
82.5°	109.7	90.6	76.0	67.3	76.0	87.7	106.7	128.7	149.1	165.2	181.3
85°	84.8	62.9	45.3	36.6	45.3	62.9	83.3	108.2	130.1	147.7	163.8
87.5°	65.8	45.3	24.9	14.6	24.9	43.9	67.3	90.6	112.6	133.1	149.1
90°	52.6	30.7	11.7	2.9	13.2	30.7	52.6	76.0	98.0	119.9	136.0
92.5°	42.4	21.9	5.8	0.0	7.3	23.4	43.9	65.8	87.7	108.2	124.3
95°	35.1	17.5	4.4	0.0	5.8	17.5	35.1	57.0	77.5	98.0	111.1
97.5°	29.2	13.2	2.9	0.0	2.9	14.6	29.2	48.2	68.7	87.7	100.9
100°	24.9	11.7	2.9	0.0	2.9	11.7	24.9	42.4	59.9	77.5	90.6
102.5°	20.5	8.8	1.5	1.5	1.5	8.8	21.9	36.6	52.6	68.7	81.9
105°	19.0	7.3	1.5	1.5	1.5	7.3	19.0	32.2	46.8	61.4	73.1
107.5°	16.1	5.8	1.5	1.5	1.5	5.8	16.1	27.8	42.4	55.6	65.8
110°	13.2	5.8	1.5	1.5	1.5	5.8	13.2	24.9	36.6	48.2	58.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	11.7	4.4	1.5	1.5	1.5	4.4	11.7	21.9	32.2	43.9	52.6
115°	10.2	4.4	1.5	1.5	1.5	4.4	10.2	19.0	27.8	38.0	46.8
117.5°	8.8	4.4	1.5	1.5	1.5	2.9	8.8	16.1	24.9	33.6	42.4
120°	7.3	2.9	1.5	1.5	1.5	2.9	7.3	14.6	21.9	29.2	36.6
122.5°	7.3	2.9	1.5	1.5	1.5	2.9	5.8	11.7	19.0	24.9	32.2
125°	5.8	2.9	1.5	1.5	1.5	1.5	5.8	10.2	16.1	21.9	27.8
127.5°	5.8	2.9	1.5	1.5	1.5	1.5	4.4	8.8	13.2	19.0	24.9
130°	4.4	2.9	1.5	1.5	1.5	1.5	2.9	7.3	11.7	16.1	20.5
132.5°	4.4	2.9	1.5	1.5	1.5	1.5	2.9	5.8	8.8	13.2	17.5
135°	4.4	1.5	1.5	1.5	1.5	1.5	1.5	4.4	7.3	10.2	13.2
137.5°	2.9	1.5	1.5	1.5	1.5	1.5	1.5	2.9	5.8	7.3	11.7
140°	2.9	1.5	1.5	1.5	1.5	1.5	1.5	2.9	4.4	5.8	8.8
142.5°	2.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	4.4	7.3
145°	2.9	1.5	1.5	2.9	2.9	1.5	1.5	2.9	2.9	4.4	5.8
147.5°	2.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	4.4
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.4
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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-LD5-75SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2845.2	2811.6	2829.2	2823.3	2829.2	2843.8	2842.3	2837.9	2840.8	2833.5	2826.2
5°	2839.4	2805.8	2823.3	2816.0	2823.3	2837.9	2835.0	2830.6	2835.0	2826.2	2818.9
7.5°	2832.1	2801.4	2821.8	2820.4	2833.5	2852.5	2854.0	2854.0	2864.2	2851.1	2845.2
10°	2832.1	2816.0	2843.8	2854.0	2887.6	2912.5	2915.4	2921.3	2938.8	2935.9	2921.3
12.5°	2862.8	2859.9	2900.8	2925.7	2956.4	2991.4	3010.5	3016.3	3028.0	3019.2	3013.4
15°	2902.3	2916.9	2962.2	2990.0	3023.6	3049.9	3054.3	3057.2	3066.0	3052.9	3042.6
17.5°	2954.9	2963.7	3000.2	3011.9	3033.8	3038.2	3032.4	3017.8	3017.8	2988.5	2979.7
20°	2979.7	2975.4	2990.0	2971.0	2962.2	2935.9	2911.0	2883.3	2881.8	2851.1	2848.2
22.5°	2957.8	2928.6	2897.9	2851.1	2830.6	2792.6	2759.0	2742.9	2732.7	2693.2	2682.9
25°	2880.3	2808.7	2763.4	2707.8	2658.1	2614.2	2582.1	2548.4	2516.3	2484.1	2469.5
27.5°	2745.8	2678.6	2605.5	2528.0	2459.2	2392.0	2337.9	2304.3	2273.6	2231.2	2209.2
30°	2580.6	2487.0	2406.6	2332.0	2219.5	2137.6	2092.3	2025.0	2001.6	1982.6	1941.7
32.5°	2386.1	2273.6	2163.9	2063.0	1947.5	1871.5	1811.5	1761.8	1747.2	1697.5	1685.8
35°	2171.2	2023.5	1899.3	1799.8	1716.5	1624.4	1574.7	1541.0	1511.8	1478.2	1472.3
37.5°	1918.3	1785.2	1644.9	1557.1	1491.3	1412.4	1374.4	1351.0	1337.8	1313.0	1308.6
40°	1663.9	1530.8	1434.3	1346.6	1305.7	1263.2	1235.5	1225.2	1219.4	1210.6	1201.8
42.5°	1432.9	1315.9	1247.2	1188.7	1171.1	1150.7	1143.4	1149.2	1143.4	1140.4	1139.0
45°	1236.9	1147.7	1099.5	1081.9	1077.6	1071.7	1077.6	1087.8	1089.3	1086.3	1086.3
47.5°	1058.6	1016.2	995.7	998.6	1005.9	1010.3	1020.5	1033.7	1036.6	1029.3	1032.2
50°	941.6	916.7	912.3	924.0	940.1	946.0	957.7	967.9	966.4	963.5	960.6
52.5°	831.9	824.6	836.3	848.0	865.6	868.5	872.9	877.3	875.8	869.9	867.0
55°	739.8	745.7	755.9	760.3	773.4	772.0	773.4	773.4	767.6	764.7	760.3
57.5°	656.5	657.9	663.8	665.3	672.6	669.6	668.2	665.3	656.5	655.0	650.6
60°	571.7	568.8	581.9	571.7	577.5	571.7	570.2	562.9	554.1	552.7	549.7
62.5°	491.3	485.4	494.2	489.8	492.7	486.9	484.0	475.2	467.9	466.4	464.9
65°	419.6	416.7	425.5	424.0	426.9	419.6	416.7	410.8	405.0	403.5	402.1
67.5°	359.7	367.0	371.4	371.4	374.3	372.8	365.5	364.1	362.6	356.8	356.8
70°	315.8	320.2	329.0	330.4	329.0	331.9	326.0	324.6	323.1	320.2	318.7
72.5°	280.7	286.6	295.3	296.8	295.3	295.3	292.4	291.0	291.0	286.6	286.6
75°	252.9	260.3	267.6	267.6	267.6	264.6	261.7	261.7	258.8	257.3	254.4
77.5°	229.5	238.3	244.2	242.7	241.2	238.3	238.3	233.9	229.5	229.5	226.6
80°	212.0	217.9	222.2	220.8	219.3	214.9	213.5	209.1	206.2	201.8	201.8
82.5°	193.0	200.3	203.2	201.8	198.8	194.5	193.0	190.1	187.1	185.7	182.8
85°	176.9	184.2	185.7	182.8	179.8	176.9	175.5	174.0	172.5	169.6	169.6
87.5°	160.8	168.1	168.1	166.7	163.8	162.3	160.8	159.4	157.9	156.4	155.0
90°	147.7	153.5	153.5	152.1	150.6	149.1	147.7	146.2	144.7	143.3	143.3
92.5°	134.5	140.4	140.4	138.9	137.4	136.0	136.0	134.5	133.1	131.6	130.1
95°	122.8	128.7	128.7	128.7	127.2	125.7	125.7	124.3	122.8	122.8	121.4
97.5°	111.1	117.0	117.0	117.0	115.5	114.0	114.0	112.6	112.6	112.6	111.1
100°	100.9	105.3	106.7	106.7	105.3	105.3	105.3	103.8	103.8	103.8	102.3
102.5°	90.6	95.0	98.0	98.0	98.0	96.5	96.5	96.5	96.5	96.5	95.0
105°	81.9	86.3	89.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
107.5°	74.6	79.0	81.9	83.3	84.8	84.8	86.3	86.3	86.3	86.3	86.3
110°	67.3	71.6	76.0	77.5	79.0	80.4	80.4	81.9	80.4	80.4	80.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	59.9	65.8	68.7	71.6	73.1	74.6	76.0	76.0	76.0	76.0	76.0
115°	54.1	59.9	62.9	65.8	68.7	70.2	70.2	71.6	71.6	71.6	70.2
117.5°	48.2	54.1	57.0	59.9	61.4	64.3	65.8	65.8	65.8	65.8	64.3
120°	43.9	48.2	51.2	54.1	57.0	58.5	59.9	59.9	59.9	59.9	59.9
122.5°	38.0	42.4	46.8	49.7	51.2	52.6	54.1	54.1	54.1	54.1	54.1
125°	33.6	38.0	40.9	43.9	45.3	48.2	48.2	48.2	48.2	48.2	48.2
127.5°	29.2	33.6	36.6	39.5	40.9	42.4	43.9	43.9	43.9	43.9	43.9
130°	24.9	29.2	32.2	35.1	36.6	38.0	38.0	39.5	39.5	39.5	39.5
132.5°	21.9	24.9	27.8	30.7	32.2	33.6	33.6	35.1	35.1	35.1	35.1
135°	17.5	21.9	23.4	26.3	27.8	29.2	29.2	30.7	30.7	30.7	30.7
137.5°	14.6	17.5	20.5	23.4	24.9	24.9	26.3	26.3	27.8	27.8	27.8
140°	11.7	13.2	17.5	19.0	20.5	21.9	23.4	23.4	23.4	23.4	23.4
142.5°	8.8	11.7	13.2	16.1	17.5	19.0	20.5	20.5	20.5	20.5	20.5
145°	7.3	8.8	10.2	13.2	14.6	16.1	17.5	17.5	17.5	17.5	17.5
147.5°	5.8	7.3	8.8	10.2	11.7	13.2	14.6	14.6	14.6	14.6	14.6
150°	4.4	5.8	7.3	7.3	8.8	10.2	11.7	13.2	13.2	13.2	13.2
152.5°	4.4	4.4	5.8	5.8	7.3	8.8	10.2	10.2	10.2	10.2	10.2
155°	2.9	4.4	4.4	4.4	5.8	5.8	7.3	8.8	8.8	8.8	8.8
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-LD5-75SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2830.6	2836.5	2833.5	2829.2	2827.7	2835.0	2827.7	2794.1	2807.2	2808.7	2818.9
5°	2826.2	2830.6	2827.7	2824.8	2820.4	2829.2	2820.4	2785.3	2798.4	2799.9	2810.1
7.5°	2855.5	2856.9	2856.9	2849.6	2837.9	2842.3	2830.6	2791.1	2798.4	2798.4	2805.8
10°	2928.6	2931.5	2935.9	2916.9	2902.3	2890.6	2874.5	2826.2	2824.8	2813.1	2813.1
12.5°	3023.6	3016.3	3009.0	3000.2	2988.5	2973.9	2950.5	2893.5	2874.5	2855.5	2836.5
15°	3051.4	3048.5	3047.0	3042.6	3035.3	3030.9	3013.4	2956.4	2928.6	2905.2	2871.6
17.5°	2978.3	2984.1	3003.1	3004.6	3013.4	3030.9	3028.0	2988.5	2963.7	2953.4	2912.5
20°	2846.7	2848.2	2871.6	2881.8	2919.8	2949.0	2971.0	2966.6	2960.7	2972.4	2941.7
22.5°	2688.8	2699.0	2723.9	2740.0	2776.5	2810.1	2845.2	2864.2	2894.9	2943.2	2937.3
25°	2473.9	2487.0	2522.1	2548.4	2599.6	2650.8	2697.6	2731.2	2767.7	2859.9	2890.6
27.5°	2216.5	2237.0	2282.3	2308.6	2380.3	2432.9	2500.2	2566.0	2617.1	2722.4	2785.3
30°	1946.0	1963.6	2011.8	2048.4	2109.8	2181.4	2266.2	2359.8	2444.6	2551.4	2630.3
32.5°	1693.1	1712.1	1751.6	1783.8	1852.5	1912.4	2006.0	2121.5	2200.5	2348.1	2453.4
35°	1472.3	1489.9	1517.7	1545.4	1602.5	1663.9	1744.3	1856.9	1957.7	2111.3	2244.3
37.5°	1317.3	1320.3	1336.4	1352.4	1394.8	1441.6	1504.5	1603.9	1697.5	1862.7	2008.9
40°	1206.2	1206.2	1215.0	1219.4	1238.4	1266.2	1305.7	1383.1	1460.6	1586.4	1764.7
42.5°	1137.5	1134.6	1134.6	1136.0	1134.6	1147.7	1171.1	1207.7	1276.4	1380.2	1519.1
45°	1086.3	1080.5	1076.1	1065.9	1060.0	1060.0	1061.5	1074.6	1114.1	1181.4	1294.0
47.5°	1029.3	1027.9	1020.5	1008.8	998.6	991.3	979.6	975.2	986.9	1024.9	1101.0
50°	963.5	956.2	948.9	940.1	928.4	921.1	899.2	900.7	890.4	908.0	947.4
52.5°	867.0	861.2	858.2	850.9	846.6	843.6	826.1	808.5	804.2	807.1	821.7
55°	760.3	763.2	751.5	757.4	755.9	742.7	735.4	722.3	717.9	716.4	723.7
57.5°	649.2	652.1	644.8	650.6	650.6	643.3	638.9	638.9	628.7	619.9	630.2
60°	548.3	542.4	546.8	554.1	554.1	549.7	546.8	546.8	539.5	536.6	543.9
62.5°	466.4	460.6	464.9	472.3	473.7	470.8	467.9	467.9	459.1	459.1	464.9
65°	403.5	405.0	403.5	409.4	409.4	410.8	407.9	405.0	394.8	399.2	397.7
67.5°	358.2	356.8	356.8	362.6	361.1	364.1	361.1	356.8	349.4	343.6	342.1
70°	320.2	318.7	318.7	321.7	323.1	323.1	321.7	318.7	308.5	302.7	298.3
72.5°	286.6	285.1	286.6	288.0	289.5	291.0	289.5	286.6	277.8	270.5	263.2
75°	255.9	254.4	258.8	258.8	260.3	260.3	261.7	260.3	252.9	244.2	235.4
77.5°	225.2	226.6	231.0	232.5	235.4	236.9	238.3	238.3	231.0	223.7	212.0
80°	200.3	203.2	206.2	207.6	210.5	214.9	216.4	217.9	212.0	204.7	191.5
82.5°	182.8	184.2	187.1	188.6	193.0	194.5	195.9	198.8	195.9	188.6	174.0
85°	168.1	169.6	172.5	172.5	175.5	178.4	179.8	181.3	179.8	172.5	157.9
87.5°	155.0	156.4	157.9	159.4	160.8	162.3	163.8	165.2	163.8	156.4	143.3
90°	143.3	143.3	144.7	144.7	146.2	147.7	150.6	150.6	149.1	143.3	130.1
92.5°	130.1	131.6	131.6	133.1	134.5	136.0	137.4	137.4	136.0	130.1	118.4
95°	121.4	121.4	122.8	122.8	124.3	124.3	125.7	125.7	124.3	118.4	106.7
97.5°	111.1	111.1	111.1	111.1	112.6	112.6	114.0	114.0	112.6	106.7	96.5
100°	102.3	102.3	102.3	102.3	102.3	103.8	103.8	103.8	102.3	96.5	86.3
102.5°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	92.1	87.7	77.5
105°	90.6	90.6	90.6	89.2	89.2	89.2	87.7	87.7	83.3	79.0	70.2
107.5°	84.8	84.8	84.8	83.3	83.3	81.9	80.4	80.4	76.0	71.6	62.9
110°	80.4	80.4	80.4	79.0	77.5	76.0	74.6	73.1	68.7	62.9	55.6





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	76.0	76.0	74.6	74.6	73.1	71.6	68.7	67.3	62.9	57.0	49.7
115°	70.2	70.2	70.2	68.7	67.3	65.8	64.3	61.4	57.0	51.2	43.9
117.5°	64.3	64.3	64.3	62.9	61.4	59.9	58.5	55.6	51.2	45.3	39.5
120°	58.5	58.5	58.5	57.0	55.6	54.1	52.6	49.7	45.3	40.9	33.6
122.5°	54.1	54.1	52.6	51.2	49.7	48.2	46.8	43.9	40.9	35.1	29.2
125°	48.2	48.2	46.8	46.8	45.3	43.9	42.4	39.5	35.1	30.7	26.3
127.5°	43.9	42.4	42.4	42.4	40.9	39.5	36.6	35.1	30.7	26.3	21.9
130°	38.0	38.0	38.0	36.6	36.6	35.1	32.2	29.2	26.3	23.4	19.0
132.5°	33.6	33.6	33.6	33.6	32.2	30.7	27.8	26.3	23.4	19.0	16.1
135°	30.7	30.7	29.2	29.2	27.8	26.3	24.9	21.9	19.0	16.1	13.2
137.5°	26.3	26.3	26.3	24.9	24.9	23.4	20.5	19.0	17.5	14.6	11.7
140°	23.4	23.4	21.9	21.9	20.5	20.5	19.0	16.1	14.6	11.7	10.2
142.5°	20.5	20.5	19.0	19.0	17.5	17.5	16.1	14.6	11.7	10.2	7.3
145°	17.5	17.5	16.1	16.1	16.1	14.6	13.2	11.7	10.2	8.8	7.3
147.5°	14.6	14.6	14.6	13.2	13.2	11.7	11.7	10.2	8.8	7.3	5.8
150°	13.2	13.2	11.7	11.7	11.7	10.2	8.8	8.8	7.3	5.8	4.4
152.5°	10.2	10.2	10.2	10.2	8.8	8.8	7.3	7.3	5.8	4.4	4.4
155°	8.8	8.8	8.8	7.3	7.3	7.3	5.8	5.8	4.4	4.4	2.9
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-LD5-75SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6	2830.6
2.5°	2814.5	2813.1	2826.2	2824.8	2807.2	2833.5	2851.1
5°	2807.2	2805.8	2817.5	2820.4	2801.4	2829.2	2848.2
7.5°	2801.4	2799.9	2813.1	2817.5	2798.4	2823.3	2843.8
10°	2802.8	2795.5	2807.2	2810.1	2792.6	2818.9	2836.5
12.5°	2813.1	2795.5	2799.9	2799.9	2783.8	2807.2	2826.2
15°	2837.9	2801.4	2795.5	2791.1	2770.7	2792.6	2811.6
17.5°	2865.7	2816.0	2795.5	2780.9	2756.0	2775.1	2795.5
20°	2893.5	2832.1	2798.4	2775.1	2741.4	2759.0	2773.6
22.5°	2906.6	2846.7	2801.4	2766.3	2723.9	2732.7	2748.7
25°	2889.1	2840.8	2795.5	2753.1	2702.0	2703.4	2716.6
27.5°	2824.8	2811.6	2782.4	2740.0	2684.4	2677.1	2687.3
30°	2715.1	2751.7	2753.1	2722.4	2663.9	2649.3	2653.7
32.5°	2561.6	2643.5	2691.7	2685.9	2634.7	2614.2	2617.1
35°	2384.7	2487.0	2592.3	2627.4	2590.8	2574.7	2568.9
37.5°	2172.7	2310.1	2450.5	2536.7	2530.9	2520.7	2514.8
40°	1938.7	2104.0	2270.6	2408.1	2450.5	2450.5	2453.4
42.5°	1688.7	1881.7	2064.5	2238.5	2337.9	2359.8	2368.6
45°	1447.5	1641.9	1840.8	2041.1	2174.1	2242.9	2267.7
47.5°	1228.2	1424.1	1612.7	1832.0	2008.9	2098.1	2137.6
50°	1041.0	1187.2	1386.1	1603.9	1796.9	1906.6	1984.1
52.5°	886.0	1000.1	1174.1	1377.3	1571.8	1722.3	1794.0
55°	755.9	833.4	981.1	1156.5	1342.2	1498.6	1582.0
57.5°	646.2	707.7	808.5	954.7	1111.2	1266.2	1355.4
60°	549.7	592.1	660.9	776.4	909.4	1042.5	1128.7
62.5°	466.4	494.2	539.5	624.3	728.1	831.9	912.3
65°	402.1	413.8	438.6	491.3	570.2	649.2	717.9
67.5°	339.2	346.5	365.5	397.7	437.2	494.2	539.5
70°	292.4	292.4	293.9	312.9	333.4	369.9	402.1
72.5°	254.4	250.0	241.2	245.6	250.0	270.5	291.0
75°	223.7	213.5	198.8	193.0	190.1	193.0	204.7
77.5°	197.4	182.8	165.2	150.6	138.9	134.5	144.7
80°	175.5	157.9	137.4	118.4	99.4	89.2	93.6
82.5°	157.9	136.0	114.0	92.1	70.2	55.6	55.6
85°	138.9	118.4	95.0	71.6	49.7	30.7	27.8
87.5°	125.7	103.8	79.0	57.0	35.1	16.1	8.8
90°	112.6	90.6	67.3	45.3	24.9	7.3	0.0
92.5°	100.9	80.4	58.5	36.6	17.5	4.4	0.0
95°	90.6	71.6	49.7	30.7	14.6	2.9	1.5
97.5°	80.4	62.9	43.9	24.9	10.2	2.9	1.5
100°	73.1	55.6	38.0	20.5	8.8	1.5	1.5
102.5°	64.3	49.7	32.2	17.5	7.3	1.5	1.5
105°	57.0	43.9	27.8	14.6	5.8	1.5	1.5
107.5°	51.2	38.0	24.9	13.2	5.8	1.5	1.5
110°	45.3	33.6	21.9	11.7	4.4	1.5	1.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	40.9	29.2	19.0	10.2	2.9	1.5	1.5
115°	35.1	26.3	16.1	8.8	2.9	1.5	1.5
117.5°	30.7	21.9	14.6	7.3	2.9	1.5	1.5
120°	26.3	19.0	11.7	5.8	1.5	1.5	1.5
122.5°	23.4	16.1	10.2	5.8	1.5	1.5	1.5
125°	20.5	14.6	8.8	4.4	1.5	1.5	1.5
127.5°	17.5	11.7	7.3	2.9	1.5	1.5	1.5
130°	14.6	10.2	5.8	2.9	1.5	1.5	1.5
132.5°	11.7	8.8	5.8	2.9	1.5	1.5	1.5
135°	10.2	7.3	4.4	2.9	1.5	1.5	1.5
137.5°	8.8	5.8	2.9	2.9	2.9	1.5	1.5
140°	7.3	4.4	2.9	2.9	2.9	2.9	1.5
142.5°	5.8	4.4	2.9	2.9	2.9	2.9	1.5
145°	4.4	2.9	2.9	2.9	2.9	2.9	1.5
147.5°	4.4	2.9	2.9	2.9	2.9	2.9	1.5
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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)