

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-L950-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-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

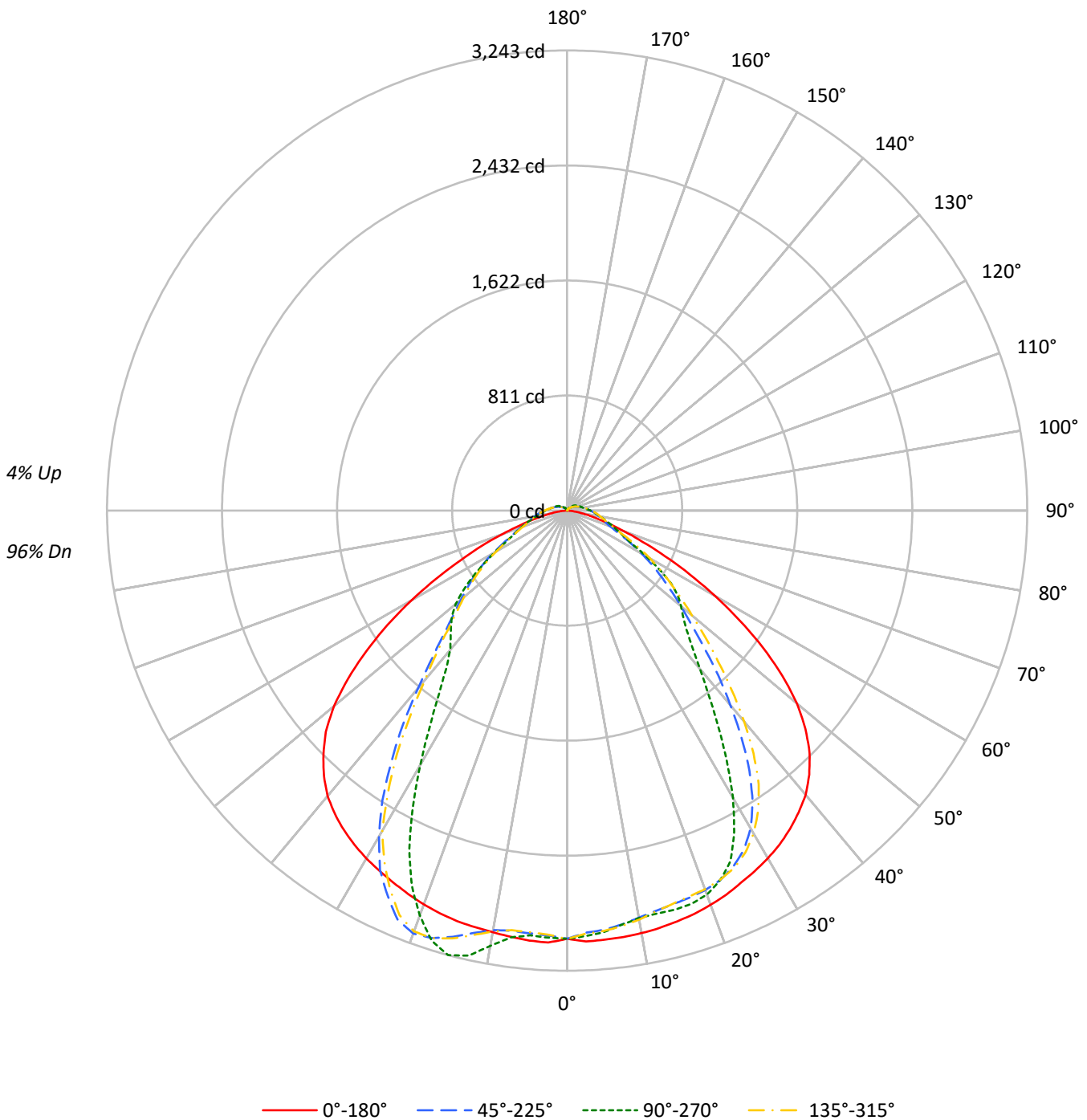
Lumens per Lamp: N/A
Luminaire Lumens: 7193.0 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L950-CD1-U

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°	12191	12191	12191	12191
5°	12297	11708	12322	11800
10°	12371	11221	12345	11983
15°	12484	11071	12478	12327
20°	12641	10895	12627	11485
25°	12816	10336	12810	9987
30°	13080	8958	13087	7936
35°	13361	7244	13399	6130
40°	13615	5833	13672	5139
45°	13600	4940	13670	4811
50°	13051	4548	13234	4447
55°	11620	4088	11910	3716
60°	9467	3129	9970	2870
65°	7079	2394	7627	2270
70°	4855	2066	5472	1976
75°	3219	1865	3747	1763
80°	2131	1739	2499	1600
85°	1164	1734	1534	1584



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.6	4.0
10°-20°	852.8	11.9
20°-30°	1296.4	18.0
30°-40°	1390.7	19.3
40°-50°	1207.0	16.8
50°-60°	894.5	12.4
60°-70°	512.5	7.1
70°-80°	283.8	3.9
80°-90°	172.8	2.4
90°-100°	112.4	1.6
100°-110°	75.3	1.0
110°-120°	50.8	0.7
120°-130°	31.2	0.4
130°-140°	16.4	0.2
140°-150°	7.5	0.1
150°-160°	2.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2435.8	33.9
0°-40°	3826.5	53.2
0°-60°	5928.1	82.4
0°-90°	6897.3	95.9
90°-120°	238.5	3.3
90°-150°	293.6	4.1
90°-180°	296.0	4.1
0°-180°	7193.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3017	3017	3017	3017	3017	
5°	3036	2981	3042	3005	3036	289
15°	2997	2913	2996	3243	2997	848
25°	2896	2724	2894	2632	2896	1339
35°	2738	1855	2746	1569	2738	1714
45°	2417	1189	2430	1158	2417	1851
55°	1686	892	1728	810	1686	1495
65°	765	452	824	429	765	771
75°	218	287	254	271	218	249
85°	30	198	39	181	30	39
90°	0	165	3	153	0	1
95°	2	136	0	129	2	1
105°	2	101	2	97	2	2
115°	2	83	2	75	2	2
125°	2	62	2	51	2	1
135°	2	39	2	33	2	1
145°	2	23	3	19	2	1
155°	3	11	3	9	3	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3
2.5°	3039.1	3031.3	3028.2	3022.0	3026.6	3045.3	3032.9	3012.6	3014.2	2978.3	2997.0
5°	3036.0	3026.6	3022.0	3015.7	3018.8	3036.0	3023.5	3003.3	3001.7	2965.9	2983.0
7.5°	3031.3	3022.0	3014.2	3009.5	3011.0	3025.1	3009.5	2986.1	2981.4	2942.5	2958.1
10°	3023.5	3017.3	3006.4	2998.6	2997.0	3012.6	2987.7	2964.3	2953.4	2912.9	2928.4
12.5°	3012.6	3003.3	2992.3	2978.3	2976.8	2986.1	2965.9	2933.1	2922.2	2889.5	2906.6
15°	2997.0	2986.1	2973.6	2958.1	2950.3	2956.5	2931.6	2902.0	2900.4	2872.3	2895.7
17.5°	2979.9	2964.3	2950.3	2928.4	2917.5	2922.2	2902.0	2875.5	2878.6	2861.4	2887.9
20°	2956.5	2939.4	2917.5	2895.7	2880.1	2887.9	2873.9	2853.6	2858.3	2845.8	2869.2
22.5°	2930.0	2906.6	2880.1	2855.2	2842.7	2853.6	2842.7	2825.6	2827.1	2819.3	2833.4
25°	2895.7	2869.2	2838.1	2806.9	2800.6	2808.4	2802.2	2788.2	2781.9	2769.5	2775.7
27.5°	2864.5	2834.9	2796.0	2763.2	2752.3	2767.9	2753.9	2730.5	2713.4	2696.2	2683.8
30°	2828.7	2792.9	2749.2	2711.8	2702.5	2708.7	2688.4	2652.6	2607.4	2585.6	2551.3
32.5°	2789.7	2743.0	2688.4	2646.4	2640.1	2635.4	2598.0	2546.6	2476.5	2432.8	2379.8
35°	2738.3	2686.9	2621.4	2570.0	2560.6	2534.1	2473.4	2404.8	2314.4	2239.6	2149.2
37.5°	2680.6	2619.9	2551.3	2482.7	2456.2	2403.2	2317.5	2245.8	2108.7	2018.3	1909.2
40°	2615.2	2541.9	2457.8	2375.2	2331.5	2245.8	2147.6	2041.7	1909.2	1787.6	1695.7
42.5°	2524.8	2446.9	2347.1	2255.2	2180.4	2066.6	1951.3	1801.6	1680.1	1577.2	1483.7
45°	2417.3	2323.7	2208.4	2097.8	2002.7	1867.1	1731.5	1581.9	1480.6	1360.6	1296.7
47.5°	2278.5	2177.2	2054.1	1931.0	1806.3	1656.7	1514.9	1371.5	1270.2	1184.5	1137.7
50°	2114.9	2021.4	1885.8	1739.3	1602.2	1446.3	1304.5	1196.9	1098.8	1045.8	1009.9
52.5°	1912.3	1825.0	1686.3	1527.3	1394.9	1242.1	1112.8	1025.5	955.4	916.4	903.9
55°	1686.3	1609.9	1472.8	1324.7	1189.1	1048.9	950.7	874.3	829.1	805.8	807.3
57.5°	1444.7	1385.5	1256.2	1123.7	995.9	889.9	801.1	740.3	706.0	704.4	709.1
60°	1203.2	1159.5	1047.3	933.5	821.3	735.6	670.2	628.1	606.3	607.8	606.3
62.5°	972.5	932.0	850.9	757.4	668.6	610.9	551.7	534.6	515.9	514.3	514.3
65°	765.2	734.1	668.6	601.6	534.6	497.2	467.6	447.3	433.3	430.1	431.7
67.5°	575.1	562.6	517.4	472.2	430.1	406.8	381.8	377.2	366.3	366.3	369.4
70°	428.6	419.2	394.3	367.8	350.7	335.1	322.6	322.6	321.1	319.5	327.3
72.5°	310.1	311.7	303.9	283.6	282.1	279.0	275.9	280.5	282.1	286.8	296.1
75°	218.2	222.9	222.9	219.8	226.0	233.8	238.5	246.2	255.6	261.8	272.7
77.5°	154.3	154.3	162.1	171.4	183.9	197.9	210.4	221.3	233.8	241.6	250.9
80°	99.7	104.4	116.9	134.0	151.2	169.9	187.0	201.0	213.5	226.0	232.2
82.5°	59.2	67.0	82.6	104.4	126.2	149.6	166.8	183.9	197.9	210.4	215.1
85°	29.6	40.5	59.2	82.6	106.0	130.9	152.7	168.3	183.9	194.8	201.0
87.5°	9.4	21.8	42.1	63.9	88.8	113.8	137.1	154.3	168.3	177.7	183.9
90°	0.0	10.9	29.6	53.0	76.4	101.3	123.1	141.8	155.9	163.6	168.3
92.5°	0.0	6.2	23.4	43.6	65.5	90.4	112.2	129.4	141.8	149.6	152.7
95°	1.6	4.7	17.1	35.8	57.7	81.0	101.3	116.9	129.4	137.1	138.7
97.5°	1.6	3.1	14.0	29.6	49.9	71.7	92.0	107.5	116.9	124.7	126.2
100°	1.6	3.1	10.9	26.5	43.6	63.9	82.6	96.6	107.5	113.8	115.3
102.5°	1.6	1.6	9.4	21.8	39.0	56.1	73.3	87.3	96.6	102.9	106.0
105°	1.6	1.6	7.8	18.7	34.3	49.9	65.5	79.5	87.3	93.5	96.6
107.5°	1.6	1.6	6.2	15.6	29.6	43.6	59.2	70.1	79.5	85.7	88.8
110°	1.6	1.6	4.7	14.0	24.9	39.0	51.4	62.3	71.7	77.9	81.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.6	1.6	4.7	12.5	21.8	34.3	45.2	56.1	63.9	70.1	74.8
115°	1.6	1.6	4.7	10.9	20.3	29.6	40.5	49.9	57.7	63.9	68.6
117.5°	1.6	1.6	4.7	9.4	17.1	26.5	35.8	45.2	51.4	57.7	62.3
120°	1.6	1.6	3.1	7.8	15.6	23.4	31.2	39.0	46.8	53.0	57.7
122.5°	1.6	1.6	3.1	7.8	12.5	20.3	28.1	34.3	42.1	46.8	51.4
125°	1.6	1.6	3.1	6.2	10.9	18.7	24.9	31.2	35.8	42.1	46.8
127.5°	1.6	1.6	3.1	6.2	9.4	15.6	21.8	28.1	32.7	37.4	40.5
130°	1.6	1.6	3.1	4.7	7.8	12.5	18.7	23.4	29.6	32.7	35.8
132.5°	1.6	1.6	1.6	4.7	6.2	9.4	14.0	20.3	24.9	29.6	31.2
135°	1.6	1.6	1.6	3.1	6.2	7.8	10.9	15.6	20.3	24.9	28.1
137.5°	1.6	1.6	1.6	3.1	4.7	7.8	9.4	12.5	17.1	20.3	24.9
140°	1.6	1.6	1.6	3.1	4.7	6.2	7.8	10.9	14.0	17.1	20.3
142.5°	1.6	1.6	1.6	3.1	3.1	4.7	6.2	9.4	10.9	14.0	17.1
145°	1.6	1.6	1.6	3.1	3.1	4.7	6.2	7.8	9.4	10.9	14.0
147.5°	1.6	1.6	1.6	3.1	3.1	3.1	4.7	6.2	7.8	9.4	10.9
150°	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	6.2	7.8	9.4
152.5°	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7	6.2	7.8
155°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	6.2	6.2
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3
2.5°	2990.8	2993.9	3012.6	3011.0	3007.9	3004.8	3004.8	3001.7	3004.8	3012.6	3009.5
5°	2975.2	2979.9	2993.9	2992.3	2989.2	2987.7	2986.1	2981.4	2984.6	2995.5	2992.3
7.5°	2947.1	2951.8	2964.3	2958.1	2953.4	2956.5	2948.7	2944.0	2950.3	2961.2	2959.6
10°	2917.5	2920.7	2936.2	2933.1	2925.3	2926.9	2919.1	2916.0	2923.8	2930.0	2931.6
12.5°	2897.3	2908.2	2922.2	2920.7	2919.1	2920.7	2912.9	2909.7	2914.4	2920.7	2919.1
15°	2892.6	2906.6	2922.2	2922.2	2923.8	2925.3	2917.5	2912.9	2917.5	2922.2	2920.7
17.5°	2887.9	2905.1	2919.1	2917.5	2919.1	2922.2	2909.7	2906.6	2912.9	2919.1	2916.0
20°	2872.3	2887.9	2897.3	2894.2	2894.2	2895.7	2880.1	2880.1	2889.5	2894.2	2895.7
22.5°	2828.7	2847.4	2847.4	2839.6	2839.6	2833.4	2828.7	2819.3	2830.3	2838.1	2844.3
25°	2763.2	2771.0	2761.7	2744.5	2735.2	2727.4	2705.6	2724.3	2724.3	2747.7	2755.5
27.5°	2671.3	2654.1	2627.7	2591.8	2584.0	2559.1	2545.1	2549.7	2557.5	2590.2	2615.2
30°	2520.1	2468.7	2423.5	2407.9	2373.6	2348.7	2323.7	2336.2	2350.2	2368.9	2420.4
32.5°	2320.6	2270.8	2197.5	2171.0	2135.2	2104.0	2074.4	2093.1	2118.0	2130.5	2186.6
35°	2091.5	2032.3	1965.3	1920.1	1882.7	1865.5	1828.1	1854.6	1881.1	1890.5	1938.8
37.5°	1848.4	1787.6	1728.4	1689.4	1653.6	1642.7	1617.7	1636.4	1656.7	1670.7	1711.2
40°	1617.7	1561.6	1516.4	1489.9	1465.0	1455.7	1446.3	1454.1	1469.7	1480.6	1511.8
42.5°	1419.8	1374.6	1343.4	1327.9	1310.7	1298.2	1299.8	1302.9	1310.7	1334.1	1348.1
45°	1246.8	1220.3	1200.1	1196.9	1186.0	1184.5	1182.9	1189.1	1193.8	1207.8	1218.8
47.5°	1108.1	1097.2	1092.5	1098.8	1103.4	1097.2	1100.3	1108.1	1117.5	1117.5	1115.9
50°	999.0	1002.1	1008.4	1022.4	1031.7	1034.9	1038.0	1047.3	1048.9	1052.0	1047.3
52.5°	910.2	913.3	930.4	952.3	963.2	967.8	974.1	983.4	983.4	986.5	980.3
55°	819.8	824.5	841.6	863.4	872.8	879.0	885.2	891.5	896.1	902.4	897.7
57.5°	720.0	734.1	745.0	751.2	757.4	762.1	766.8	768.3	777.7	779.3	787.0
60°	614.1	617.2	628.1	626.5	621.8	634.3	628.1	639.0	649.9	663.9	665.5
62.5°	512.8	514.3	522.1	519.0	525.2	523.7	528.3	528.3	536.1	542.4	550.2
65°	433.3	434.8	441.1	441.1	439.5	444.2	448.9	452.0	452.0	456.6	462.9
67.5°	374.0	378.7	385.0	388.1	391.2	391.2	395.9	397.4	400.5	402.1	405.2
70°	333.5	339.8	346.0	349.1	350.7	353.8	355.3	355.3	358.5	360.0	363.1
72.5°	303.9	310.1	314.8	314.8	317.9	319.5	319.5	321.1	322.6	325.7	328.8
75°	279.0	283.6	286.8	285.2	285.2	285.2	286.8	286.8	289.9	293.0	296.1
77.5°	255.6	260.3	260.3	257.2	257.2	257.2	257.2	258.7	260.3	263.4	266.5
80°	238.5	238.5	236.9	236.9	233.8	232.2	232.2	233.8	233.8	236.9	241.6
82.5°	219.8	219.8	218.2	216.6	215.1	213.5	213.5	215.1	216.6	218.2	221.3
85°	202.6	202.6	199.5	199.5	197.9	197.9	197.9	197.9	199.5	201.0	204.2
87.5°	185.5	183.9	182.3	180.8	180.8	180.8	180.8	180.8	182.3	185.5	187.0
90°	168.3	166.8	165.2	165.2	163.6	163.6	165.2	165.2	166.8	168.3	169.9
92.5°	152.7	151.2	149.6	149.6	148.1	148.1	149.6	148.1	151.2	151.2	152.7
95°	138.7	137.1	135.6	135.6	135.6	135.6	135.6	135.6	137.1	137.1	138.7
97.5°	126.2	124.7	123.1	123.1	124.7	123.1	124.7	124.7	124.7	126.2	127.8
100°	115.3	113.8	113.8	115.3	113.8	113.8	115.3	115.3	115.3	115.3	116.9
102.5°	106.0	106.0	106.0	106.0	106.0	106.0	107.5	107.5	107.5	107.5	109.1
105°	96.6	98.2	98.2	98.2	99.7	99.7	99.7	101.3	101.3	101.3	101.3
107.5°	90.4	92.0	92.0	93.5	93.5	95.1	95.1	95.1	95.1	96.6	96.6
110°	84.2	85.7	87.3	88.8	88.8	90.4	90.4	90.4	90.4	90.4	90.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	77.9	79.5	81.0	84.2	85.7	85.7	85.7	85.7	87.3	87.3	85.7
115°	71.7	74.8	76.4	79.5	81.0	81.0	82.6	82.6	82.6	82.6	81.0
117.5°	65.5	70.1	71.7	74.8	76.4	76.4	77.9	77.9	77.9	77.9	76.4
120°	60.8	63.9	67.0	68.6	70.1	71.7	71.7	73.3	73.3	73.3	71.7
122.5°	56.1	59.2	62.3	63.9	65.5	67.0	67.0	67.0	67.0	67.0	67.0
125°	49.9	53.0	56.1	57.7	59.2	60.8	60.8	62.3	62.3	62.3	60.8
127.5°	45.2	48.3	49.9	53.0	54.5	54.5	56.1	56.1	56.1	56.1	54.5
130°	39.0	42.1	45.2	46.8	48.3	48.3	49.9	49.9	49.9	49.9	49.9
132.5°	34.3	37.4	39.0	42.1	42.1	43.6	43.6	45.2	45.2	45.2	43.6
135°	31.2	32.7	34.3	37.4	37.4	39.0	39.0	39.0	39.0	39.0	39.0
137.5°	28.1	29.6	31.2	32.7	32.7	34.3	34.3	34.3	34.3	35.8	34.3
140°	23.4	26.5	28.1	28.1	29.6	29.6	29.6	31.2	31.2	31.2	29.6
142.5°	20.3	21.8	23.4	24.9	26.5	26.5	26.5	26.5	28.1	26.5	26.5
145°	15.6	18.7	20.3	21.8	23.4	23.4	23.4	23.4	23.4	23.4	23.4
147.5°	12.5	14.0	17.1	18.7	18.7	20.3	20.3	20.3	20.3	20.3	20.3
150°	10.9	10.9	14.0	15.6	17.1	17.1	17.1	17.1	17.1	17.1	17.1
152.5°	7.8	9.4	10.9	12.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0
155°	7.8	7.8	9.4	9.4	10.9	10.9	10.9	10.9	12.5	10.9	10.9
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3
2.5°	3004.8	3003.3	3009.5	3003.3	2972.1	2984.6	2979.9	2997.0	2998.6	3003.3	3018.8
5°	2989.2	2989.2	2997.0	2990.8	2961.2	2973.6	2972.1	2989.2	2992.3	2995.5	3012.6
7.5°	2958.1	2959.6	2970.5	2965.9	2934.7	2953.4	2951.8	2972.1	2978.3	2984.6	3000.1
10°	2928.4	2926.9	2939.4	2934.7	2905.1	2926.9	2925.3	2945.6	2954.9	2965.9	2984.6
12.5°	2912.9	2908.2	2912.9	2908.2	2875.5	2892.6	2894.2	2917.5	2928.4	2942.5	2964.3
15°	2912.9	2905.1	2905.1	2895.7	2858.3	2869.2	2870.8	2886.4	2900.4	2914.4	2940.9
17.5°	2909.7	2902.0	2900.4	2892.6	2852.1	2852.1	2850.5	2861.4	2869.2	2883.2	2911.3
20°	2892.6	2889.5	2887.9	2883.2	2845.8	2839.6	2836.5	2836.5	2841.2	2845.8	2873.9
22.5°	2847.4	2850.5	2853.6	2856.8	2827.1	2816.2	2817.8	2814.7	2810.0	2810.0	2833.4
25°	2763.2	2778.8	2791.3	2805.3	2788.2	2780.4	2789.7	2785.1	2777.3	2771.0	2791.3
27.5°	2629.2	2661.9	2688.4	2722.7	2724.3	2718.0	2743.0	2739.9	2738.3	2729.0	2744.5
30°	2443.7	2495.2	2531.0	2580.9	2623.0	2629.2	2671.3	2677.5	2683.8	2679.1	2694.7
32.5°	2219.3	2289.5	2350.2	2428.2	2468.7	2504.5	2563.8	2588.7	2613.6	2621.4	2638.6
35°	1974.6	2054.1	2125.8	2211.5	2275.4	2353.4	2425.0	2462.5	2518.6	2540.4	2565.3
37.5°	1742.4	1817.2	1887.4	1973.1	2075.9	2157.0	2245.8	2330.0	2406.3	2437.5	2474.9
40°	1536.7	1597.5	1664.5	1739.3	1832.8	1938.8	2035.4	2152.3	2242.7	2305.0	2359.6
42.5°	1380.8	1410.5	1468.1	1535.1	1609.9	1717.5	1815.7	1946.6	2055.7	2144.5	2234.9
45°	1242.1	1256.2	1298.2	1334.1	1410.5	1505.5	1609.9	1737.7	1851.5	1965.3	2074.4
47.5°	1123.7	1140.8	1161.1	1182.9	1237.5	1316.9	1407.3	1522.7	1636.4	1768.9	1893.6
50°	1044.2	1048.9	1052.0	1061.3	1094.1	1148.6	1221.9	1320.1	1429.2	1571.0	1703.5
52.5°	974.1	974.1	964.7	960.0	972.5	1006.8	1048.9	1119.0	1231.2	1362.1	1502.4
55°	899.3	885.2	882.1	866.5	869.7	885.2	905.5	960.0	1052.0	1164.2	1299.8
57.5°	794.8	788.6	788.6	782.4	769.9	777.7	782.4	821.3	886.8	983.4	1101.9
60°	674.8	671.7	679.5	681.1	670.2	674.8	673.3	696.7	743.4	821.3	919.5
62.5°	554.8	568.9	570.4	576.6	570.4	568.9	576.6	596.9	620.3	679.5	755.9
65°	466.0	473.8	475.3	483.1	480.0	480.0	486.3	501.8	515.9	556.4	615.6
67.5°	408.3	405.2	406.8	411.4	406.8	405.2	409.9	419.2	430.1	455.1	497.2
70°	363.1	360.0	360.0	360.0	353.8	349.1	350.7	353.8	358.5	372.5	399.0
72.5°	328.8	328.8	324.2	319.5	314.8	311.7	308.6	305.5	303.9	308.6	322.6
75°	297.7	299.2	297.7	293.0	286.8	280.5	274.3	268.1	260.3	257.2	258.7
77.5°	269.6	271.2	272.7	271.2	264.9	257.2	247.8	238.5	227.5	216.6	210.4
80°	244.7	247.8	249.4	247.8	243.1	236.9	226.0	215.1	199.5	185.5	169.9
82.5°	222.9	227.5	229.1	229.1	226.0	219.8	207.3	194.8	177.7	159.0	138.7
85°	205.7	208.8	212.0	212.0	210.4	204.2	191.7	177.7	160.5	138.7	116.9
87.5°	188.6	190.1	193.3	196.4	193.3	187.0	176.1	160.5	143.4	121.6	96.6
90°	171.4	173.0	176.1	179.2	177.7	171.4	162.1	148.1	129.4	106.0	81.0
92.5°	154.3	157.4	159.0	160.5	162.1	157.4	149.6	135.6	116.9	93.5	70.1
95°	141.8	141.8	144.9	146.5	148.1	143.4	137.1	123.1	106.0	84.2	60.8
97.5°	129.4	129.4	132.5	132.5	134.0	130.9	124.7	112.2	95.1	74.8	51.4
100°	116.9	118.4	120.0	121.6	121.6	120.0	113.8	101.3	85.7	67.0	45.2
102.5°	109.1	109.1	110.7	110.7	112.2	109.1	102.9	92.0	76.4	59.2	39.0
105°	101.3	101.3	102.9	102.9	101.3	98.2	92.0	82.6	68.6	51.4	34.3
107.5°	95.1	95.1	95.1	95.1	93.5	90.4	84.2	73.3	60.8	46.8	31.2
110°	90.4	88.8	88.8	87.3	85.7	81.0	74.8	65.5	54.5	40.5	26.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	85.7	84.2	82.6	81.0	77.9	73.3	67.0	59.2	48.3	35.8	23.4
115°	81.0	79.5	77.9	74.8	71.7	67.0	60.8	53.0	42.1	31.2	20.3
117.5°	76.4	74.8	71.7	68.6	65.5	60.8	54.5	46.8	37.4	28.1	18.7
120°	70.1	68.6	67.0	63.9	60.8	54.5	48.3	42.1	32.7	24.9	15.6
122.5°	65.5	63.9	60.8	59.2	54.5	49.9	43.6	37.4	29.6	21.8	14.0
125°	59.2	57.7	56.1	53.0	49.9	43.6	39.0	32.7	26.5	18.7	10.9
127.5°	54.5	53.0	49.9	46.8	43.6	39.0	34.3	29.6	23.4	15.6	10.9
130°	48.3	46.8	45.2	42.1	39.0	34.3	31.2	24.9	20.3	14.0	9.4
132.5°	42.1	42.1	40.5	37.4	34.3	31.2	26.5	21.8	17.1	12.5	7.8
135°	39.0	37.4	35.8	32.7	31.2	26.5	23.4	18.7	14.0	10.9	6.2
137.5°	34.3	32.7	31.2	29.6	26.5	23.4	20.3	15.6	12.5	9.4	6.2
140°	29.6	28.1	28.1	24.9	23.4	20.3	17.1	14.0	10.9	7.8	4.7
142.5°	26.5	24.9	23.4	21.8	20.3	17.1	14.0	10.9	9.4	6.2	4.7
145°	23.4	21.8	20.3	18.7	17.1	14.0	12.5	9.4	7.8	6.2	4.7
147.5°	18.7	18.7	17.1	15.6	14.0	12.5	10.9	9.4	6.2	4.7	3.1
150°	15.6	15.6	14.0	12.5	12.5	10.9	9.4	7.8	6.2	4.7	3.1
152.5°	14.0	12.5	12.5	10.9	10.9	9.4	7.8	6.2	4.7	4.7	3.1
155°	10.9	10.9	10.9	9.4	9.4	7.8	6.2	6.2	4.7	3.1	3.1
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-LD5-75SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3
2.5°	3022.0	3003.3	3018.8	3046.9	3043.8	3040.7	3037.5	3043.8	3064.0	3053.1	3036.0
5°	3017.3	2998.6	3015.7	3042.2	3040.7	3036.0	3032.9	3039.1	3059.4	3048.5	3029.7
7.5°	3007.9	2990.8	3003.3	3029.7	3029.7	3026.6	3023.5	3029.7	3048.5	3039.1	3020.4
10°	2992.3	2979.9	2992.3	3017.3	3018.8	3012.6	3009.5	3017.3	3036.0	3031.3	3015.7
12.5°	2979.9	2967.4	2981.4	3006.4	3007.9	3001.7	2997.0	3006.4	3031.3	3034.4	3029.7
15°	2962.7	2951.8	2969.0	2995.5	2995.5	2990.8	2990.8	3003.3	3037.5	3051.6	3059.4
17.5°	2937.8	2930.0	2950.3	2976.8	2978.3	2975.2	2976.8	3001.7	3046.9	3081.2	3103.0
20°	2906.6	2903.5	2925.3	2953.4	2958.1	2959.6	2967.4	3004.8	3067.2	3113.9	3135.7
22.5°	2869.2	2870.8	2895.7	2925.3	2931.6	2936.2	2951.8	3004.8	3082.7	3132.6	3142.0
25°	2827.1	2831.8	2858.3	2894.2	2902.0	2911.3	2937.8	3006.4	3087.4	3120.1	3104.6
27.5°	2781.9	2791.3	2825.6	2863.0	2872.3	2887.9	2922.2	2997.0	3065.6	3067.2	3009.5
30°	2735.2	2746.1	2786.6	2830.3	2845.8	2861.4	2903.5	2975.2	3012.6	2962.7	2861.4
32.5°	2682.2	2697.8	2738.3	2791.3	2810.0	2830.3	2872.3	2933.1	2919.1	2811.6	2666.6
35°	2615.2	2637.0	2683.8	2746.1	2763.2	2789.7	2819.3	2833.4	2771.0	2618.3	2454.7
37.5°	2532.6	2565.3	2619.9	2691.6	2710.3	2727.4	2735.2	2696.2	2571.5	2406.3	2236.5
40°	2437.5	2487.4	2546.6	2626.1	2644.8	2644.8	2616.7	2534.1	2376.7	2160.1	1971.5
42.5°	2322.2	2383.0	2457.8	2537.3	2556.0	2534.1	2467.1	2322.2	2143.0	1901.4	1701.9
45°	2181.9	2263.0	2347.1	2429.7	2439.1	2390.8	2270.8	2086.8	1865.5	1641.1	1451.0
47.5°	2015.2	2121.1	2213.1	2306.6	2294.1	2213.1	2052.6	1843.7	1609.9	1398.0	1245.3
50°	1828.1	1952.8	2055.7	2144.5	2118.0	2005.8	1817.2	1599.0	1366.8	1186.0	1059.8
52.5°	1628.6	1772.0	1874.9	1946.6	1910.7	1776.7	1569.4	1360.6	1170.4	1005.2	921.1
55°	1421.4	1566.3	1672.3	1728.4	1681.6	1536.7	1332.5	1142.4	963.2	855.6	805.8
57.5°	1220.3	1355.9	1455.7	1500.8	1441.6	1296.7	1108.1	947.6	818.2	727.8	702.9
60°	1027.1	1137.7	1232.8	1267.1	1203.2	1069.1	907.1	779.3	684.2	621.8	609.4
62.5°	847.8	938.2	1013.0	1039.5	977.2	872.8	732.5	637.4	570.4	539.2	523.7
65°	699.8	752.8	829.1	824.5	787.0	690.4	587.6	520.5	476.9	456.6	447.3
67.5°	550.2	598.5	646.8	653.0	606.3	539.2	472.2	423.9	400.5	389.6	385.0
70°	425.5	461.3	490.9	483.1	458.2	416.1	374.0	347.5	338.2	333.5	333.5
72.5°	330.4	349.1	363.1	353.8	338.2	316.4	296.1	285.2	286.8	289.9	293.0
75°	255.6	260.3	263.4	254.0	250.9	236.9	235.3	236.9	246.2	255.6	260.3
77.5°	196.4	190.1	185.5	176.1	177.7	176.1	183.9	196.4	210.4	224.4	236.9
80°	151.2	137.1	126.2	116.9	121.6	129.4	144.9	163.6	182.3	197.9	213.5
82.5°	116.9	96.6	81.0	71.7	81.0	93.5	113.8	137.1	159.0	176.1	193.3
85°	90.4	67.0	48.3	39.0	48.3	67.0	88.8	115.3	138.7	157.4	174.6
87.5°	70.1	48.3	26.5	15.6	26.5	46.8	71.7	96.6	120.0	141.8	159.0
90°	56.1	32.7	12.5	3.1	14.0	32.7	56.1	81.0	104.4	127.8	144.9
92.5°	45.2	23.4	6.2	0.0	7.8	24.9	46.8	70.1	93.5	115.3	132.5
95°	37.4	18.7	4.7	0.0	6.2	18.7	37.4	60.8	82.6	104.4	118.4
97.5°	31.2	14.0	3.1	0.0	3.1	15.6	31.2	51.4	73.3	93.5	107.5
100°	26.5	12.5	3.1	0.0	3.1	12.5	26.5	45.2	63.9	82.6	96.6
102.5°	21.8	9.4	1.6	1.6	1.6	9.4	23.4	39.0	56.1	73.3	87.3
105°	20.3	7.8	1.6	1.6	1.6	7.8	20.3	34.3	49.9	65.5	77.9
107.5°	17.1	6.2	1.6	1.6	1.6	6.2	17.1	29.6	45.2	59.2	70.1
110°	14.0	6.2	1.6	1.6	1.6	6.2	14.0	26.5	39.0	51.4	62.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	12.5	4.7	1.6	1.6	1.6	4.7	12.5	23.4	34.3	46.8	56.1
115°	10.9	4.7	1.6	1.6	1.6	4.7	10.9	20.3	29.6	40.5	49.9
117.5°	9.4	4.7	1.6	1.6	1.6	3.1	9.4	17.1	26.5	35.8	45.2
120°	7.8	3.1	1.6	1.6	1.6	3.1	7.8	15.6	23.4	31.2	39.0
122.5°	7.8	3.1	1.6	1.6	1.6	3.1	6.2	12.5	20.3	26.5	34.3
125°	6.2	3.1	1.6	1.6	1.6	1.6	6.2	10.9	17.1	23.4	29.6
127.5°	6.2	3.1	1.6	1.6	1.6	1.6	4.7	9.4	14.0	20.3	26.5
130°	4.7	3.1	1.6	1.6	1.6	1.6	3.1	7.8	12.5	17.1	21.8
132.5°	4.7	3.1	1.6	1.6	1.6	1.6	3.1	6.2	9.4	14.0	18.7
135°	4.7	1.6	1.6	1.6	1.6	1.6	1.6	4.7	7.8	10.9	14.0
137.5°	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	6.2	7.8	12.5
140°	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	4.7	6.2	9.4
142.5°	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	4.7	7.8
145°	3.1	1.6	1.6	3.1	3.1	1.6	1.6	3.1	3.1	4.7	6.2
147.5°	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7
150°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7
152.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
155°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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-LD5-75SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3
2.5°	3032.9	2997.0	3015.7	3009.5	3015.7	3031.3	3029.7	3025.1	3028.2	3020.4	3012.6
5°	3026.6	2990.8	3009.5	3001.7	3009.5	3025.1	3022.0	3017.3	3022.0	3012.6	3004.8
7.5°	3018.8	2986.1	3007.9	3006.4	3020.4	3040.7	3042.2	3042.2	3053.1	3039.1	3032.9
10°	3018.8	3001.7	3031.3	3042.2	3078.1	3104.6	3107.7	3113.9	3132.6	3129.5	3113.9
12.5°	3051.6	3048.5	3092.1	3118.6	3151.3	3188.7	3209.0	3215.2	3227.7	3218.3	3212.1
15°	3093.6	3109.2	3157.5	3187.2	3223.0	3251.1	3255.7	3258.9	3268.2	3254.2	3243.3
17.5°	3149.8	3159.1	3198.1	3210.5	3233.9	3238.6	3232.4	3216.8	3216.8	3185.6	3176.2
20°	3176.2	3171.6	3187.2	3166.9	3157.5	3129.5	3103.0	3073.4	3071.8	3039.1	3036.0
22.5°	3152.9	3121.7	3089.0	3039.1	3017.3	2976.8	2940.9	2923.8	2912.9	2870.8	2859.9
25°	3070.3	2993.9	2945.6	2886.4	2833.4	2786.6	2752.3	2716.5	2682.2	2647.9	2632.3
27.5°	2926.9	2855.2	2777.3	2694.7	2621.4	2549.7	2492.1	2456.2	2423.5	2378.3	2354.9
30°	2750.8	2651.0	2565.3	2485.8	2365.8	2278.5	2230.2	2158.5	2133.6	2113.3	2069.7
32.5°	2543.5	2423.5	2306.6	2199.1	2075.9	1994.9	1931.0	1878.0	1862.4	1809.4	1797.0
35°	2314.4	2157.0	2024.5	1918.5	1829.7	1731.5	1678.5	1642.7	1611.5	1575.7	1569.4
37.5°	2044.8	1902.9	1753.3	1659.8	1589.7	1505.5	1465.0	1440.1	1426.0	1399.5	1394.9
40°	1773.6	1631.8	1528.9	1435.4	1391.8	1346.6	1316.9	1306.0	1299.8	1290.4	1281.1
42.5°	1527.3	1402.7	1329.4	1267.1	1248.4	1226.5	1218.8	1225.0	1218.8	1215.6	1214.1
45°	1318.5	1223.4	1172.0	1153.3	1148.6	1142.4	1148.6	1159.5	1161.1	1158.0	1158.0
47.5°	1128.4	1083.2	1061.3	1064.5	1072.3	1076.9	1087.8	1101.9	1105.0	1097.2	1100.3
50°	1003.7	977.2	972.5	985.0	1002.1	1008.4	1020.8	1031.7	1030.2	1027.1	1023.9
52.5°	886.8	879.0	891.5	903.9	922.6	925.8	930.4	935.1	933.5	927.3	924.2
55°	788.6	794.8	805.8	810.4	824.5	822.9	824.5	824.5	818.2	815.1	810.4
57.5°	699.8	701.3	707.6	709.1	716.9	713.8	712.2	709.1	699.8	698.2	693.5
60°	609.4	606.3	620.3	609.4	615.6	609.4	607.8	600.0	590.7	589.1	586.0
62.5°	523.7	517.4	526.8	522.1	525.2	519.0	515.9	506.5	498.7	497.2	495.6
65°	447.3	444.2	453.5	452.0	455.1	447.3	444.2	437.9	431.7	430.1	428.6
67.5°	383.4	391.2	395.9	395.9	399.0	397.4	389.6	388.1	386.5	380.3	380.3
70°	336.6	341.3	350.7	352.2	350.7	353.8	347.5	346.0	344.4	341.3	339.8
72.5°	299.2	305.5	314.8	316.4	314.8	314.8	311.7	310.1	310.1	305.5	305.5
75°	269.6	277.4	285.2	285.2	285.2	282.1	279.0	279.0	275.9	274.3	271.2
77.5°	244.7	254.0	260.3	258.7	257.2	254.0	254.0	249.4	244.7	244.7	241.6
80°	226.0	232.2	236.9	235.3	233.8	229.1	227.5	222.9	219.8	215.1	215.1
82.5°	205.7	213.5	216.6	215.1	212.0	207.3	205.7	202.6	199.5	197.9	194.8
85°	188.6	196.4	197.9	194.8	191.7	188.6	187.0	185.5	183.9	180.8	180.8
87.5°	171.4	179.2	179.2	177.7	174.6	173.0	171.4	169.9	168.3	166.8	165.2
90°	157.4	163.6	163.6	162.1	160.5	159.0	157.4	155.9	154.3	152.7	152.7
92.5°	143.4	149.6	149.6	148.1	146.5	144.9	144.9	143.4	141.8	140.3	138.7
95°	130.9	137.1	137.1	137.1	135.6	134.0	134.0	132.5	130.9	130.9	129.4
97.5°	118.4	124.7	124.7	124.7	123.1	121.6	121.6	120.0	120.0	120.0	118.4
100°	107.5	112.2	113.8	113.8	112.2	112.2	112.2	110.7	110.7	110.7	109.1
102.5°	96.6	101.3	104.4	104.4	104.4	102.9	102.9	102.9	102.9	102.9	101.3
105°	87.3	92.0	95.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
107.5°	79.5	84.2	87.3	88.8	90.4	90.4	92.0	92.0	92.0	92.0	92.0
110°	71.7	76.4	81.0	82.6	84.2	85.7	85.7	87.3	85.7	85.7	85.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	63.9	70.1	73.3	76.4	77.9	79.5	81.0	81.0	81.0	81.0	81.0
115°	57.7	63.9	67.0	70.1	73.3	74.8	74.8	76.4	76.4	76.4	74.8
117.5°	51.4	57.7	60.8	63.9	65.5	68.6	70.1	70.1	70.1	70.1	68.6
120°	46.8	51.4	54.5	57.7	60.8	62.3	63.9	63.9	63.9	63.9	63.9
122.5°	40.5	45.2	49.9	53.0	54.5	56.1	57.7	57.7	57.7	57.7	57.7
125°	35.8	40.5	43.6	46.8	48.3	51.4	51.4	51.4	51.4	51.4	51.4
127.5°	31.2	35.8	39.0	42.1	43.6	45.2	46.8	46.8	46.8	46.8	46.8
130°	26.5	31.2	34.3	37.4	39.0	40.5	40.5	42.1	42.1	42.1	42.1
132.5°	23.4	26.5	29.6	32.7	34.3	35.8	35.8	37.4	37.4	37.4	37.4
135°	18.7	23.4	24.9	28.1	29.6	31.2	31.2	32.7	32.7	32.7	32.7
137.5°	15.6	18.7	21.8	24.9	26.5	26.5	28.1	28.1	29.6	29.6	29.6
140°	12.5	14.0	18.7	20.3	21.8	23.4	24.9	24.9	24.9	24.9	24.9
142.5°	9.4	12.5	14.0	17.1	18.7	20.3	21.8	21.8	21.8	21.8	21.8
145°	7.8	9.4	10.9	14.0	15.6	17.1	18.7	18.7	18.7	18.7	18.7
147.5°	6.2	7.8	9.4	10.9	12.5	14.0	15.6	15.6	15.6	15.6	15.6
150°	4.7	6.2	7.8	7.8	9.4	10.9	12.5	14.0	14.0	14.0	14.0
152.5°	4.7	4.7	6.2	6.2	7.8	9.4	10.9	10.9	10.9	10.9	10.9
155°	3.1	4.7	4.7	4.7	6.2	6.2	7.8	9.4	9.4	9.4	9.4
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-LD5-75SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3
2.5°	3017.3	3023.5	3020.4	3015.7	3014.2	3022.0	3014.2	2978.3	2992.3	2993.9	3004.8
5°	3012.6	3017.3	3014.2	3011.0	3006.4	3015.7	3006.4	2969.0	2983.0	2984.6	2995.5
7.5°	3043.8	3045.3	3045.3	3037.5	3025.1	3029.7	3017.3	2975.2	2983.0	2983.0	2990.8
10°	3121.7	3124.8	3129.5	3109.2	3093.6	3081.2	3064.0	3012.6	3011.0	2998.6	2998.6
12.5°	3223.0	3215.2	3207.4	3198.1	3185.6	3170.0	3145.1	3084.3	3064.0	3043.8	3023.5
15°	3252.6	3249.5	3247.9	3243.3	3235.5	3230.8	3212.1	3151.3	3121.7	3096.8	3060.9
17.5°	3174.7	3180.9	3201.2	3202.7	3212.1	3230.8	3227.7	3185.6	3159.1	3148.2	3104.6
20°	3034.4	3036.0	3060.9	3071.8	3112.4	3143.5	3166.9	3162.2	3156.0	3168.5	3135.7
22.5°	2866.1	2877.0	2903.5	2920.7	2959.6	2995.5	3032.9	3053.1	3085.9	3137.3	3131.1
25°	2637.0	2651.0	2688.4	2716.5	2771.0	2825.6	2875.5	2911.3	2950.3	3048.5	3081.2
27.5°	2362.7	2384.5	2432.8	2460.9	2537.3	2593.4	2665.1	2735.2	2789.7	2902.0	2969.0
30°	2074.4	2093.1	2144.5	2183.5	2248.9	2325.3	2415.7	2515.4	2605.8	2719.6	2803.8
32.5°	1804.8	1825.0	1867.1	1901.4	1974.6	2038.5	2138.3	2261.4	2345.6	2503.0	2615.2
35°	1569.4	1588.1	1617.7	1647.3	1708.1	1773.6	1859.3	1979.3	2086.8	2250.5	2392.3
37.5°	1404.2	1407.3	1424.5	1441.6	1486.8	1536.7	1603.7	1709.7	1809.4	1985.5	2141.4
40°	1285.8	1285.8	1295.1	1299.8	1320.1	1349.7	1391.8	1474.4	1557.0	1691.0	1881.1
42.5°	1212.5	1209.4	1209.4	1211.0	1209.4	1223.4	1248.4	1287.3	1360.6	1471.2	1619.3
45°	1158.0	1151.7	1147.1	1136.2	1129.9	1129.9	1131.5	1145.5	1187.6	1259.3	1379.3
47.5°	1097.2	1095.6	1087.8	1075.4	1064.5	1056.7	1044.2	1039.5	1052.0	1092.5	1173.6
50°	1027.1	1019.3	1011.5	1002.1	989.7	981.9	958.5	960.0	949.1	967.8	1009.9
52.5°	924.2	918.0	914.8	907.1	902.4	899.3	880.6	861.9	857.2	860.3	875.9
55°	810.4	813.5	801.1	807.3	805.8	791.7	783.9	769.9	765.2	763.7	771.5
57.5°	692.0	695.1	687.3	693.5	693.5	685.7	681.1	681.1	670.2	660.8	671.7
60°	584.4	578.2	582.9	590.7	590.7	586.0	582.9	582.9	575.1	572.0	579.8
62.5°	497.2	490.9	495.6	503.4	505.0	501.8	498.7	498.7	489.4	489.4	495.6
65°	430.1	431.7	430.1	436.4	436.4	437.9	434.8	431.7	420.8	425.5	423.9
67.5°	381.8	380.3	380.3	386.5	385.0	388.1	385.0	380.3	372.5	366.3	364.7
70°	341.3	339.8	339.8	342.9	344.4	344.4	342.9	339.8	328.8	322.6	317.9
72.5°	305.5	303.9	305.5	307.0	308.6	310.1	308.6	305.5	296.1	288.3	280.5
75°	272.7	271.2	275.9	275.9	277.4	277.4	279.0	277.4	269.6	260.3	250.9
77.5°	240.0	241.6	246.2	247.8	250.9	252.5	254.0	254.0	246.2	238.5	226.0
80°	213.5	216.6	219.8	221.3	224.4	229.1	230.7	232.2	226.0	218.2	204.2
82.5°	194.8	196.4	199.5	201.0	205.7	207.3	208.8	212.0	208.8	201.0	185.5
85°	179.2	180.8	183.9	183.9	187.0	190.1	191.7	193.3	191.7	183.9	168.3
87.5°	165.2	166.8	168.3	169.9	171.4	173.0	174.6	176.1	174.6	166.8	152.7
90°	152.7	152.7	154.3	154.3	155.9	157.4	160.5	160.5	159.0	152.7	138.7
92.5°	138.7	140.3	140.3	141.8	143.4	144.9	146.5	146.5	144.9	138.7	126.2
95°	129.4	129.4	130.9	130.9	132.5	132.5	134.0	134.0	132.5	126.2	113.8
97.5°	118.4	118.4	118.4	118.4	120.0	120.0	121.6	121.6	120.0	113.8	102.9
100°	109.1	109.1	109.1	109.1	109.1	110.7	110.7	110.7	109.1	102.9	92.0
102.5°	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3	98.2	93.5	82.6
105°	96.6	96.6	96.6	95.1	95.1	95.1	93.5	93.5	88.8	84.2	74.8
107.5°	90.4	90.4	90.4	88.8	88.8	87.3	85.7	85.7	81.0	76.4	67.0
110°	85.7	85.7	85.7	84.2	82.6	81.0	79.5	77.9	73.3	67.0	59.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	81.0	81.0	79.5	79.5	77.9	76.4	73.3	71.7	67.0	60.8	53.0
115°	74.8	74.8	74.8	73.3	71.7	70.1	68.6	65.5	60.8	54.5	46.8
117.5°	68.6	68.6	68.6	67.0	65.5	63.9	62.3	59.2	54.5	48.3	42.1
120°	62.3	62.3	62.3	60.8	59.2	57.7	56.1	53.0	48.3	43.6	35.8
122.5°	57.7	57.7	56.1	54.5	53.0	51.4	49.9	46.8	43.6	37.4	31.2
125°	51.4	51.4	49.9	49.9	48.3	46.8	45.2	42.1	37.4	32.7	28.1
127.5°	46.8	45.2	45.2	45.2	43.6	42.1	39.0	37.4	32.7	28.1	23.4
130°	40.5	40.5	40.5	39.0	39.0	37.4	34.3	31.2	28.1	24.9	20.3
132.5°	35.8	35.8	35.8	35.8	34.3	32.7	29.6	28.1	24.9	20.3	17.1
135°	32.7	32.7	31.2	31.2	29.6	28.1	26.5	23.4	20.3	17.1	14.0
137.5°	28.1	28.1	28.1	26.5	26.5	24.9	21.8	20.3	18.7	15.6	12.5
140°	24.9	24.9	23.4	23.4	21.8	21.8	20.3	17.1	15.6	12.5	10.9
142.5°	21.8	21.8	20.3	20.3	18.7	18.7	17.1	15.6	12.5	10.9	7.8
145°	18.7	18.7	17.1	17.1	17.1	15.6	14.0	12.5	10.9	9.4	7.8
147.5°	15.6	15.6	15.6	14.0	14.0	12.5	12.5	10.9	9.4	7.8	6.2
150°	14.0	14.0	12.5	12.5	12.5	10.9	9.4	9.4	7.8	6.2	4.7
152.5°	10.9	10.9	10.9	10.9	9.4	9.4	7.8	7.8	6.2	4.7	4.7
155°	9.4	9.4	9.4	7.8	7.8	7.8	6.2	6.2	4.7	4.7	3.1
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-LD5-75SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3
2.5°	3000.1	2998.6	3012.6	3011.0	2992.3	3020.4	3039.1
5°	2992.3	2990.8	3003.3	3006.4	2986.1	3015.7	3036.0
7.5°	2986.1	2984.6	2998.6	3003.3	2983.0	3009.5	3031.3
10°	2987.7	2979.9	2992.3	2995.5	2976.8	3004.8	3023.5
12.5°	2998.6	2979.9	2984.6	2984.6	2967.4	2992.3	3012.6
15°	3025.1	2986.1	2979.9	2975.2	2953.4	2976.8	2997.0
17.5°	3054.7	3001.7	2979.9	2964.3	2937.8	2958.1	2979.9
20°	3084.3	3018.8	2983.0	2958.1	2922.2	2940.9	2956.5
22.5°	3098.3	3034.4	2986.1	2948.7	2903.5	2912.9	2930.0
25°	3079.6	3028.2	2979.9	2934.7	2880.1	2881.7	2895.7
27.5°	3011.0	2997.0	2965.9	2920.7	2861.4	2853.6	2864.5
30°	2894.2	2933.1	2934.7	2902.0	2839.6	2824.0	2828.7
32.5°	2730.5	2817.8	2869.2	2863.0	2808.4	2786.6	2789.7
35°	2541.9	2651.0	2763.2	2800.6	2761.7	2744.5	2738.3
37.5°	2316.0	2462.5	2612.1	2704.0	2697.8	2686.9	2680.6
40°	2066.6	2242.7	2420.4	2566.9	2612.1	2612.1	2615.2
42.5°	1800.1	2005.8	2200.6	2386.1	2492.1	2515.4	2524.8
45°	1542.9	1750.2	1962.2	2175.7	2317.5	2390.8	2417.3
47.5°	1309.2	1518.0	1719.0	1952.8	2141.4	2236.5	2278.5
50°	1109.7	1265.5	1477.5	1709.7	1915.4	2032.3	2114.9
52.5°	944.5	1066.0	1251.5	1468.1	1675.4	1835.9	1912.3
55°	805.8	888.4	1045.8	1232.8	1430.7	1597.5	1686.3
57.5°	688.9	754.3	861.9	1017.7	1184.5	1349.7	1444.7
60°	586.0	631.2	704.4	827.6	969.4	1111.2	1203.2
62.5°	497.2	526.8	575.1	665.5	776.1	886.8	972.5
65°	428.6	441.1	467.6	523.7	607.8	692.0	765.2
67.5°	361.6	369.4	389.6	423.9	466.0	526.8	575.1
70°	311.7	311.7	313.3	333.5	355.3	394.3	428.6
72.5°	271.2	266.5	257.2	261.8	266.5	288.3	310.1
75°	238.5	227.5	212.0	205.7	202.6	205.7	218.2
77.5°	210.4	194.8	176.1	160.5	148.1	143.4	154.3
80°	187.0	168.3	146.5	126.2	106.0	95.1	99.7
82.5°	168.3	144.9	121.6	98.2	74.8	59.2	59.2
85°	148.1	126.2	101.3	76.4	53.0	32.7	29.6
87.5°	134.0	110.7	84.2	60.8	37.4	17.1	9.4
90°	120.0	96.6	71.7	48.3	26.5	7.8	0.0
92.5°	107.5	85.7	62.3	39.0	18.7	4.7	0.0
95°	96.6	76.4	53.0	32.7	15.6	3.1	1.6
97.5°	85.7	67.0	46.8	26.5	10.9	3.1	1.6
100°	77.9	59.2	40.5	21.8	9.4	1.6	1.6
102.5°	68.6	53.0	34.3	18.7	7.8	1.6	1.6
105°	60.8	46.8	29.6	15.6	6.2	1.6	1.6
107.5°	54.5	40.5	26.5	14.0	6.2	1.6	1.6
110°	48.3	35.8	23.4	12.5	4.7	1.6	1.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-75SL-LC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	43.6	31.2	20.3	10.9	3.1	1.6	1.6
115°	37.4	28.1	17.1	9.4	3.1	1.6	1.6
117.5°	32.7	23.4	15.6	7.8	3.1	1.6	1.6
120°	28.1	20.3	12.5	6.2	1.6	1.6	1.6
122.5°	24.9	17.1	10.9	6.2	1.6	1.6	1.6
125°	21.8	15.6	9.4	4.7	1.6	1.6	1.6
127.5°	18.7	12.5	7.8	3.1	1.6	1.6	1.6
130°	15.6	10.9	6.2	3.1	1.6	1.6	1.6
132.5°	12.5	9.4	6.2	3.1	1.6	1.6	1.6
135°	10.9	7.8	4.7	3.1	1.6	1.6	1.6
137.5°	9.4	6.2	3.1	3.1	3.1	1.6	1.6
140°	7.8	4.7	3.1	3.1	3.1	3.1	1.6
142.5°	6.2	4.7	3.1	3.1	3.1	3.1	1.6
145°	4.7	3.1	3.1	3.1	3.1	3.1	1.6
147.5°	4.7	3.1	3.1	3.1	3.1	3.1	1.6
150°	3.1	3.1	3.1	3.1	3.1	3.1	3.1
152.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1
155°	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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)