

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-LN-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 (P33519)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-75SL-LN-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

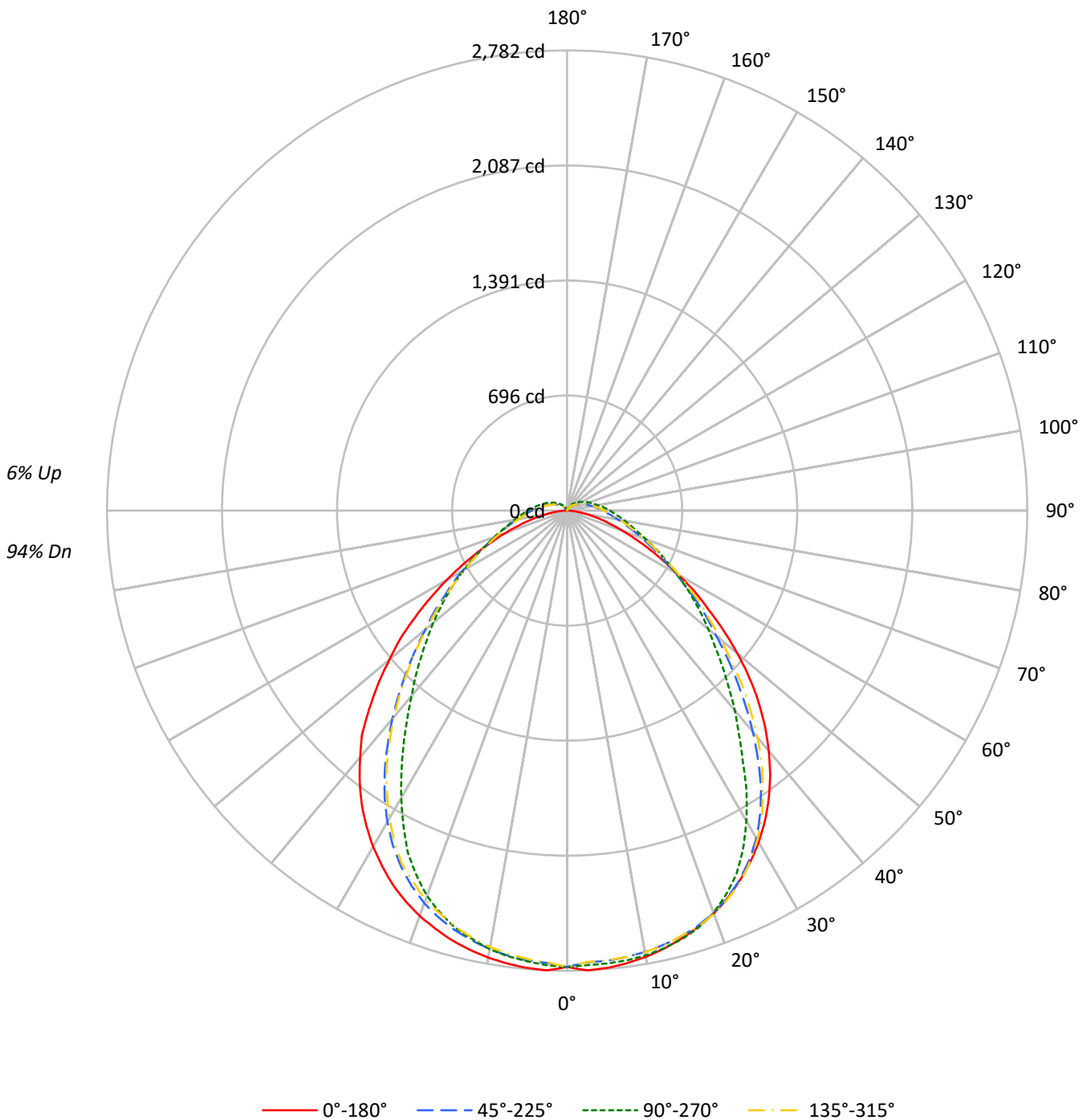
Lumens per Lamp: N/A  
Luminaire Lumens: 6983.0 lumens  
Efficiency: N/A  
Efficacy: 127.0 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 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-LN-UNV-L950-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

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

**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°	11149	11149	11149	11149
5°	11244	10794	11244	10746
10°	11209	10507	11228	10361
15°	11153	10193	11203	9928
20°	11083	9790	11148	9376
25°	10923	9190	11044	8649
30°	10709	8311	10849	7694
35°	10368	7233	10567	6735
40°	9869	6325	10130	5869
45°	9205	5499	9504	5183
50°	8289	4832	8654	4588
55°	7195	4267	7718	4051
60°	6078	3746	6628	3530
65°	5012	3312	5518	3071
70°	4023	2939	4505	2719
75°	3201	2714	3605	2497
80°	2368	2618	2789	2393
85°	1554	2633	2089	2420



TEST NUMBER: P#

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.6	3.7
10°-20°	750.1	10.7
20°-30°	1111.7	15.9
30°-40°	1235.1	17.7
40°-50°	1119.6	16.0
50°-60°	867.5	12.4
60°-70°	589.1	8.4
70°-80°	374.8	5.4
80°-90°	239.6	3.4
90°-100°	161.6	2.3
100°-110°	110.7	1.6
110°-120°	73.8	1.1
120°-130°	45.9	0.7
130°-140°	25.4	0.4
140°-150°	11.9	0.2
150°-160°	4.4	0.1
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-30°	2123.4	30.4
0°-40°	3358.4	48.1
0°-60°	5345.6	76.6
0°-90°	6549.1	93.8
90°-120°	346.0	5.0
90°-150°	429.2	6.1
90°-180°	434.0	6.2
0°-180°	6983.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2759	2759	2759	2759	2759	
5°	2776	2749	2776	2736	2776	264
15°	2677	2682	2690	2612	2677	756
25°	2468	2422	2495	2280	2468	1137
35°	2125	1852	2166	1724	2125	1326
45°	1636	1324	1689	1248	1636	1257
55°	1044	930	1120	883	1044	940
65°	542	625	596	580	542	543
75°	217	417	244	384	217	234
85°	40	300	53	276	40	47
90°	0	260	3	237	0	2
95°	2	222	0	206	2	1
105°	2	162	0	153	2	2
115°	2	123	0	114	2	1
125°	2	91	2	80	2	1
135°	2	64	2	52	2	1
145°	2	41	2	29	2	1
155°	2	23	2	11	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-LD5-75SL-LN-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3
2.5°	2782.0	2779.0	2776.0	2771.4	2776.0	2788.1	2780.5	2763.8	2760.8	2733.5	2745.6
5°	2776.0	2771.4	2768.4	2763.8	2769.9	2785.1	2777.5	2762.3	2757.8	2732.0	2745.6
7.5°	2760.8	2757.8	2753.2	2753.2	2759.3	2774.5	2768.4	2751.7	2748.7	2722.8	2738.0
10°	2739.5	2738.0	2735.0	2735.0	2741.1	2759.3	2751.7	2736.5	2733.5	2709.2	2725.9
12.5°	2712.2	2713.7	2709.2	2709.2	2718.3	2736.5	2730.4	2713.7	2710.7	2689.5	2706.2
15°	2677.3	2678.8	2675.8	2677.3	2686.4	2707.7	2700.1	2684.9	2681.9	2665.2	2678.8
17.5°	2637.9	2639.4	2639.4	2637.9	2648.5	2669.7	2663.7	2650.0	2645.4	2631.8	2648.5
20°	2592.3	2592.3	2592.3	2592.3	2604.5	2625.7	2618.1	2607.5	2598.4	2587.8	2601.4
22.5°	2536.2	2534.6	2536.2	2540.7	2552.9	2569.6	2565.0	2552.9	2539.2	2533.1	2543.8
25°	2467.9	2472.4	2473.9	2478.5	2493.7	2507.3	2502.8	2490.6	2469.4	2464.8	2467.9
27.5°	2396.5	2399.6	2404.1	2402.6	2423.9	2437.5	2428.4	2417.8	2387.4	2382.9	2379.8
30°	2316.1	2320.6	2323.7	2322.2	2338.9	2354.0	2344.9	2331.3	2290.3	2287.3	2263.0
32.5°	2225.0	2229.6	2232.6	2232.6	2256.9	2263.0	2246.3	2226.5	2182.5	2171.9	2150.7
35°	2124.9	2129.4	2130.9	2130.9	2155.2	2153.7	2132.4	2105.1	2056.6	2042.9	2006.5
37.5°	2017.1	2020.1	2021.6	2030.8	2041.4	2032.3	2005.0	1970.0	1933.6	1895.7	1856.2
40°	1895.7	1900.2	1903.3	1909.3	1920.0	1909.3	1869.9	1827.4	1787.9	1745.4	1706.0
42.5°	1771.2	1784.9	1781.8	1780.3	1786.4	1757.6	1727.2	1678.6	1639.2	1595.2	1555.7
45°	1636.1	1634.6	1642.2	1645.2	1643.7	1619.4	1576.9	1532.9	1493.5	1447.9	1414.5
47.5°	1493.5	1492.0	1498.0	1501.1	1492.0	1466.1	1432.8	1382.7	1349.3	1309.8	1284.0
50°	1343.2	1343.2	1352.3	1343.2	1338.7	1312.9	1285.5	1235.5	1209.6	1174.7	1159.6
52.5°	1193.0	1206.6	1197.5	1194.5	1189.9	1164.1	1142.9	1101.9	1080.6	1065.5	1047.2
55°	1044.2	1059.4	1053.3	1048.8	1047.2	1026.0	1006.3	975.9	962.3	951.6	941.0
57.5°	918.2	916.7	913.7	909.1	910.7	894.0	874.2	857.5	851.5	846.9	849.9
60°	772.5	784.7	780.1	781.6	783.2	780.1	763.4	752.8	754.3	755.8	760.4
62.5°	652.6	663.3	670.8	664.8	667.8	672.4	663.3	660.2	666.3	672.4	678.4
65°	541.8	552.5	560.1	558.5	567.6	576.7	575.2	578.3	591.9	599.5	607.1
67.5°	441.7	452.3	462.9	464.4	478.1	491.8	497.8	508.4	523.6	534.2	543.4
70°	355.2	364.3	376.4	384.0	402.2	420.4	431.0	452.3	461.4	476.6	482.6
72.5°	277.7	285.3	302.0	320.2	335.4	358.2	379.4	397.7	411.3	428.0	435.6
75°	217.0	220.1	238.3	259.5	280.8	306.6	329.4	349.1	367.3	384.0	396.1
77.5°	159.4	163.9	180.6	209.4	233.7	261.1	286.9	308.1	327.8	344.5	361.2
80°	110.8	119.9	138.1	167.0	194.3	224.6	248.9	273.2	294.4	311.1	327.8
82.5°	71.3	78.9	104.7	133.6	162.4	192.8	218.6	242.8	265.6	283.8	299.0
85°	39.5	50.1	75.9	106.2	135.1	165.4	192.8	217.0	239.8	256.5	271.7
87.5°	15.2	30.4	54.6	83.5	112.3	141.2	170.0	192.8	215.5	233.7	247.4
90°	0.0	18.2	41.0	69.8	98.7	127.5	154.8	179.1	200.3	217.0	232.2
92.5°	1.5	12.1	31.9	56.2	83.5	110.8	136.6	160.9	182.1	198.8	212.5
95°	1.5	9.1	25.8	48.6	72.9	98.7	122.9	145.7	165.4	182.1	195.8
97.5°	1.5	6.1	21.2	42.5	63.7	89.5	112.3	133.6	151.8	168.5	179.1
100°	1.5	6.1	18.2	36.4	57.7	80.4	101.7	122.9	139.6	153.3	165.4
102.5°	1.5	4.6	15.2	31.9	51.6	71.3	92.6	112.3	127.5	141.2	153.3
105°	1.5	4.6	13.7	27.3	45.5	65.3	83.5	101.7	118.4	130.5	141.2
107.5°	1.5	3.0	12.1	22.8	39.5	59.2	77.4	92.6	107.8	119.9	130.5
110°	1.5	3.0	10.6	21.2	34.9	53.1	69.8	85.0	98.7	110.8	119.9



TEST NUMBER: P#

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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.5	3.0	9.1	19.7	31.9	47.1	63.7	77.4	91.1	101.7	110.8
115°	1.5	3.0	9.1	18.2	28.8	41.0	56.2	71.3	82.0	94.1	101.7
117.5°	1.5	3.0	7.6	15.2	27.3	37.9	51.6	63.7	75.9	86.5	94.1
120°	1.5	3.0	7.6	13.7	24.3	34.9	45.5	57.7	69.8	77.4	85.0
122.5°	1.5	3.0	6.1	13.7	21.2	31.9	41.0	51.6	62.2	71.3	78.9
125°	1.5	3.0	6.1	12.1	19.7	28.8	37.9	45.5	56.2	63.7	71.3
127.5°	1.5	3.0	6.1	10.6	18.2	25.8	34.9	42.5	50.1	57.7	63.7
130°	1.5	3.0	4.6	9.1	16.7	22.8	30.4	39.5	45.5	51.6	57.7
132.5°	1.5	3.0	4.6	9.1	13.7	19.7	27.3	34.9	41.0	47.1	51.6
135°	1.5	3.0	4.6	7.6	12.1	18.2	22.8	30.4	36.4	42.5	47.1
137.5°	1.5	3.0	4.6	7.6	10.6	15.2	19.7	25.8	31.9	36.4	42.5
140°	1.5	3.0	4.6	6.1	9.1	13.7	18.2	21.2	27.3	31.9	36.4
142.5°	1.5	3.0	4.6	6.1	9.1	12.1	15.2	18.2	22.8	27.3	31.9
145°	1.5	3.0	4.6	6.1	7.6	10.6	13.7	16.7	18.2	22.8	25.8
147.5°	1.5	3.0	4.6	6.1	6.1	9.1	12.1	13.7	16.7	18.2	21.2
150°	1.5	3.0	4.6	4.6	6.1	7.6	10.6	12.1	13.7	16.7	18.2
152.5°	1.5	3.0	4.6	4.6	6.1	7.6	9.1	10.6	12.1	13.7	15.2
155°	1.5	3.0	4.6	4.6	4.6	6.1	7.6	9.1	10.6	12.1	13.7
157.5°	3.0	3.0	3.0	4.6	4.6	6.1	6.1	7.6	9.1	9.1	10.6
160°	3.0	3.0	3.0	4.6	4.6	4.6	6.1	6.1	7.6	7.6	9.1
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-LN-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3
2.5°	2742.6	2747.1	2760.8	2760.8	2757.8	2754.7	2754.7	2750.2	2753.2	2759.3	2756.2
5°	2742.6	2747.1	2760.8	2760.8	2757.8	2754.7	2753.2	2748.7	2753.2	2759.3	2756.2
7.5°	2733.5	2739.5	2753.2	2753.2	2750.2	2748.7	2745.6	2742.6	2747.1	2753.2	2750.2
10°	2721.3	2727.4	2741.1	2741.1	2738.0	2738.0	2733.5	2730.4	2736.5	2741.1	2739.5
12.5°	2703.1	2710.7	2722.8	2721.3	2718.3	2719.8	2715.3	2709.2	2715.3	2719.8	2721.3
15°	2677.3	2686.4	2698.6	2695.5	2691.0	2694.0	2686.4	2681.9	2686.4	2695.5	2694.0
17.5°	2643.9	2650.0	2659.1	2659.1	2654.6	2651.5	2648.5	2643.9	2647.0	2653.0	2654.6
20°	2596.9	2604.5	2609.0	2604.5	2602.9	2598.4	2592.3	2587.8	2593.8	2602.9	2604.5
22.5°	2534.6	2536.2	2546.8	2536.2	2528.6	2527.1	2521.0	2511.9	2521.0	2528.6	2530.1
25°	2457.2	2464.8	2460.3	2442.1	2442.1	2429.9	2426.9	2422.3	2423.9	2437.5	2443.6
27.5°	2358.6	2361.6	2349.5	2334.3	2320.6	2313.1	2302.4	2303.9	2303.9	2322.2	2328.2
30°	2250.8	2234.1	2223.5	2199.2	2188.6	2170.4	2167.4	2167.4	2164.3	2173.4	2200.7
32.5°	2121.8	2099.1	2082.4	2059.6	2041.4	2023.2	2014.1	2018.6	2017.1	2039.9	2049.0
35°	1980.7	1967.0	1932.1	1903.3	1892.6	1865.3	1865.3	1851.7	1860.8	1886.6	1897.2
37.5°	1831.9	1810.7	1781.8	1750.0	1742.4	1721.1	1713.5	1706.0	1725.7	1730.2	1740.9
40°	1680.2	1660.4	1633.1	1602.7	1602.7	1576.9	1576.9	1576.9	1578.5	1587.6	1607.3
42.5°	1536.0	1514.7	1490.4	1469.2	1466.1	1446.4	1446.4	1444.9	1447.9	1455.5	1473.7
45°	1396.3	1379.6	1353.8	1343.2	1344.7	1323.5	1328.0	1323.5	1329.6	1337.1	1343.2
47.5°	1267.3	1256.7	1246.1	1230.9	1226.3	1224.8	1217.2	1211.2	1221.8	1221.8	1230.9
50°	1147.4	1141.4	1135.3	1126.2	1127.7	1121.6	1112.5	1112.5	1120.1	1121.6	1127.7
52.5°	1042.7	1035.1	1027.5	1029.0	1030.6	1027.5	1023.0	1018.4	1023.0	1026.0	1033.6
55°	938.0	931.9	939.5	936.5	939.5	936.5	933.4	930.4	938.0	933.4	941.0
57.5°	843.9	849.9	853.0	846.9	851.5	848.4	849.9	845.4	851.5	854.5	853.0
60°	757.4	766.5	761.9	763.4	769.5	766.5	760.4	764.9	771.0	772.5	771.0
62.5°	678.4	689.1	693.6	690.6	692.1	689.1	693.6	687.5	695.1	698.2	693.6
65°	607.1	619.2	622.3	622.3	622.3	619.2	623.8	625.3	628.3	628.3	625.3
67.5°	546.4	557.0	560.1	563.1	560.1	557.0	557.0	558.5	564.6	567.6	564.6
70°	491.8	502.4	503.9	503.9	505.4	508.4	502.4	505.4	510.0	511.5	510.0
72.5°	444.7	455.3	458.4	456.8	458.4	459.9	459.9	456.8	461.4	464.4	464.4
75°	406.8	412.8	415.9	415.9	417.4	418.9	418.9	417.4	420.4	421.9	423.5
77.5°	371.8	376.4	381.0	381.0	382.5	381.0	384.0	384.0	385.5	387.0	388.5
80°	336.9	343.0	346.0	347.6	350.6	352.1	352.1	352.1	353.6	355.2	355.2
82.5°	309.6	314.2	318.7	323.3	323.3	324.8	324.8	324.8	326.3	326.3	327.8
85°	282.3	288.4	292.9	296.0	297.5	299.0	299.0	300.5	300.5	300.5	302.0
87.5°	258.0	265.6	268.6	271.7	273.2	276.2	276.2	276.2	277.7	277.7	277.7
90°	241.3	248.9	251.9	255.0	256.5	258.0	258.0	259.5	259.5	261.1	261.1
92.5°	221.6	229.2	235.3	235.3	236.8	239.8	238.3	238.3	239.8	241.3	241.3
95°	206.4	212.5	217.0	218.6	220.1	220.1	220.1	221.6	220.1	221.6	221.6
97.5°	188.2	194.3	198.8	201.9	203.4	203.4	203.4	204.9	203.4	204.9	204.9
100°	173.0	179.1	183.6	185.2	188.2	188.2	188.2	188.2	188.2	188.2	189.7
102.5°	160.9	167.0	170.0	171.5	173.0	174.5	174.5	174.5	174.5	176.1	176.1
105°	148.7	154.8	157.8	159.4	160.9	162.4	162.4	162.4	163.9	163.9	162.4
107.5°	138.1	142.7	145.7	148.7	150.3	150.3	151.8	151.8	151.8	151.8	151.8
110°	127.5	132.0	136.6	139.6	139.6	141.2	141.2	142.7	142.7	141.2	142.7





TEST NUMBER: P#

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

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	116.9	122.9	126.0	129.0	130.5	132.0	132.0	132.0	132.0	132.0	132.0
115°	107.8	113.8	116.9	119.9	121.4	122.9	122.9	122.9	122.9	122.9	122.9
117.5°	100.2	106.2	109.3	110.8	112.3	113.8	115.3	115.3	115.3	115.3	113.8
120°	92.6	97.1	100.2	103.2	104.7	106.2	106.2	106.2	106.2	106.2	106.2
122.5°	85.0	89.5	92.6	95.6	97.1	98.7	98.7	98.7	98.7	98.7	98.7
125°	77.4	82.0	85.0	88.0	89.5	91.1	91.1	91.1	91.1	91.1	91.1
127.5°	69.8	74.4	78.9	80.4	82.0	83.5	83.5	83.5	85.0	83.5	83.5
130°	62.2	66.8	71.3	72.9	74.4	75.9	77.4	77.4	77.4	77.4	75.9
132.5°	56.2	60.7	63.7	65.3	68.3	68.3	69.8	69.8	69.8	69.8	68.3
135°	51.6	54.6	57.7	59.2	62.2	62.2	62.2	63.7	63.7	62.2	60.7
137.5°	45.5	48.6	51.6	53.1	54.6	56.2	56.2	57.7	56.2	56.2	56.2
140°	42.5	44.0	47.1	48.6	50.1	50.1	50.1	51.6	51.6	50.1	50.1
142.5°	36.4	39.5	42.5	44.0	45.5	45.5	45.5	45.5	45.5	45.5	45.5
145°	30.4	34.9	36.4	39.5	39.5	41.0	41.0	41.0	41.0	41.0	39.5
147.5°	25.8	28.8	33.4	34.9	34.9	36.4	36.4	36.4	36.4	36.4	34.9
150°	19.7	22.8	27.3	30.4	30.4	31.9	31.9	31.9	31.9	30.4	30.4
152.5°	16.7	19.7	21.2	24.3	25.8	25.8	25.8	27.3	25.8	25.8	25.8
155°	15.2	16.7	18.2	19.7	21.2	22.8	22.8	22.8	22.8	21.2	21.2
157.5°	12.1	13.7	15.2	16.7	18.2	19.7	19.7	19.7	19.7	19.7	18.2
160°	9.1	10.6	12.1	12.1	13.7	15.2	16.7	15.2	15.2	15.2	15.2
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-LN-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3
2.5°	2753.2	2751.7	2756.2	2748.7	2725.9	2732.0	2728.9	2742.6	2745.6	2748.7	2762.3
5°	2753.2	2751.7	2754.7	2748.7	2724.4	2728.9	2725.9	2739.5	2742.6	2744.1	2757.8
7.5°	2747.1	2745.6	2750.2	2742.6	2716.8	2722.8	2718.3	2732.0	2733.5	2735.0	2747.1
10°	2735.0	2733.5	2736.5	2730.4	2704.6	2710.7	2704.6	2718.3	2718.3	2721.3	2730.4
12.5°	2716.8	2713.7	2719.8	2712.2	2683.4	2691.0	2687.9	2697.0	2698.6	2700.1	2709.2
15°	2691.0	2687.9	2692.5	2687.9	2662.1	2663.7	2659.1	2672.8	2674.3	2671.2	2680.4
17.5°	2653.0	2650.0	2659.1	2656.1	2630.3	2636.3	2634.8	2637.9	2642.4	2634.8	2647.0
20°	2606.0	2609.0	2612.1	2613.6	2593.8	2593.8	2592.3	2598.4	2602.9	2596.9	2606.0
22.5°	2536.2	2543.8	2552.9	2555.9	2542.2	2540.7	2549.8	2546.8	2551.3	2548.3	2554.4
25°	2448.1	2463.3	2472.4	2481.5	2473.9	2477.0	2490.6	2493.7	2493.7	2492.2	2498.2
27.5°	2338.9	2358.6	2375.3	2395.0	2387.4	2393.5	2416.3	2419.3	2425.4	2419.3	2431.4
30°	2208.3	2226.5	2258.4	2287.3	2290.3	2299.4	2331.3	2334.3	2351.0	2344.9	2349.5
32.5°	2077.8	2086.9	2123.3	2152.2	2170.4	2193.2	2228.1	2234.1	2256.9	2261.5	2261.5
35°	1913.9	1939.7	1973.1	2014.1	2036.8	2061.1	2108.2	2117.3	2150.7	2161.3	2173.4
37.5°	1775.8	1800.1	1821.3	1863.8	1904.8	1932.1	1970.0	1992.8	2027.7	2047.4	2062.6
40°	1628.5	1648.3	1671.0	1713.5	1748.5	1789.4	1827.4	1854.7	1898.7	1921.5	1941.2
42.5°	1488.9	1504.1	1528.4	1558.7	1595.2	1640.7	1677.1	1709.0	1756.0	1787.9	1810.7
45°	1364.5	1373.6	1394.8	1417.6	1449.5	1496.5	1531.4	1572.4	1610.3	1643.7	1671.0
47.5°	1247.6	1259.7	1270.4	1285.5	1314.4	1343.2	1384.2	1423.7	1461.6	1498.0	1525.3
50°	1139.8	1139.8	1156.5	1167.2	1186.9	1212.7	1244.6	1271.9	1318.9	1344.7	1379.6
52.5°	1035.1	1041.2	1050.3	1056.4	1071.5	1088.2	1114.0	1136.8	1176.3	1200.5	1233.9
55°	942.5	948.6	953.1	956.2	965.3	985.0	994.1	1012.3	1039.7	1059.4	1088.2
57.5°	854.5	857.5	862.1	863.6	865.1	877.3	884.9	889.4	916.7	936.5	960.7
60°	774.1	774.1	778.6	777.1	775.6	781.6	780.1	784.7	801.4	813.5	824.1
62.5°	698.2	698.2	699.7	696.6	695.1	695.1	689.1	693.6	698.2	699.7	707.3
65°	628.3	635.9	629.9	631.4	622.3	619.2	616.2	607.1	605.6	599.5	602.5
67.5°	566.1	572.2	566.1	566.1	558.5	552.5	544.9	529.7	525.1	513.0	510.0
70°	516.0	511.5	514.5	510.0	500.9	493.3	482.6	470.5	455.3	440.1	429.5
72.5°	467.5	467.5	464.4	459.9	455.3	440.1	428.0	414.3	396.1	376.4	361.2
75°	420.4	421.9	421.9	417.4	409.8	396.1	382.5	362.7	343.0	320.2	300.5
77.5°	387.0	387.0	387.0	379.4	371.8	359.7	343.0	321.8	300.5	273.2	250.4
80°	355.2	353.6	353.6	344.5	336.9	323.3	306.6	285.3	262.6	233.7	207.9
82.5°	329.4	327.8	324.8	317.2	306.6	292.9	276.2	253.5	229.2	203.4	171.5
85°	302.0	300.5	297.5	289.9	279.3	267.1	248.9	226.1	201.9	173.0	142.7
87.5°	277.7	276.2	271.7	267.1	255.0	241.3	223.1	201.9	176.1	148.7	118.4
90°	261.1	258.0	255.0	248.9	238.3	223.1	204.9	182.1	156.3	129.0	98.7
92.5°	241.3	239.8	235.3	229.2	220.1	204.9	186.7	165.4	139.6	113.8	85.0
95°	221.6	220.1	217.0	211.0	201.9	188.2	171.5	150.3	126.0	100.2	74.4
97.5°	203.4	203.4	198.8	194.3	183.6	173.0	156.3	136.6	113.8	91.1	66.8
100°	188.2	188.2	183.6	177.6	170.0	159.4	142.7	124.5	103.2	82.0	57.7
102.5°	174.5	173.0	170.0	163.9	156.3	145.7	130.5	113.8	94.1	72.9	51.6
105°	162.4	160.9	157.8	151.8	145.7	133.6	121.4	104.7	85.0	65.3	45.5
107.5°	150.3	148.7	147.2	141.2	133.6	122.9	110.8	94.1	77.4	59.2	41.0
110°	139.6	138.1	135.1	129.0	121.4	112.3	100.2	86.5	69.8	53.1	36.4



TEST NUMBER: P#

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

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	130.5	129.0	126.0	119.9	113.8	103.2	92.6	77.4	63.7	48.6	31.9
115°	121.4	119.9	116.9	110.8	103.2	94.1	83.5	71.3	56.2	42.5	28.8
117.5°	112.3	110.8	107.8	103.2	95.6	86.5	75.9	63.7	50.1	39.5	25.8
120°	104.7	101.7	98.7	94.1	86.5	78.9	68.3	57.7	45.5	34.9	22.8
122.5°	97.1	94.1	91.1	86.5	78.9	71.3	60.7	51.6	42.5	31.9	21.2
125°	88.0	86.5	83.5	78.9	71.3	63.7	56.2	47.1	37.9	28.8	18.2
127.5°	80.4	78.9	75.9	69.8	63.7	57.7	50.1	42.5	33.4	24.3	16.7
130°	74.4	71.3	68.3	63.7	59.2	53.1	45.5	37.9	30.4	21.2	15.2
132.5°	66.8	63.7	60.7	57.7	53.1	47.1	41.0	33.4	27.3	19.7	13.7
135°	60.7	57.7	54.6	51.6	47.1	42.5	36.4	30.4	24.3	18.2	12.1
137.5°	53.1	51.6	50.1	47.1	42.5	37.9	33.4	25.8	21.2	16.7	10.6
140°	48.6	47.1	45.5	41.0	37.9	33.4	28.8	22.8	18.2	13.7	9.1
142.5°	44.0	42.5	39.5	36.4	33.4	30.4	24.3	21.2	16.7	12.1	9.1
145°	37.9	36.4	34.9	31.9	28.8	24.3	21.2	18.2	15.2	10.6	7.6
147.5°	34.9	33.4	30.4	27.3	24.3	21.2	19.7	16.7	12.1	9.1	6.1
150°	28.8	27.3	25.8	22.8	21.2	19.7	16.7	13.7	10.6	7.6	6.1
152.5°	24.3	22.8	21.2	21.2	18.2	16.7	13.7	12.1	9.1	7.6	4.6
155°	21.2	21.2	19.7	18.2	15.2	13.7	12.1	9.1	7.6	6.1	4.6
157.5°	18.2	16.7	15.2	15.2	13.7	12.1	9.1	7.6	6.1	6.1	4.6
160°	15.2	13.7	13.7	12.1	10.6	9.1	7.6	7.6	6.1	4.6	4.6
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-LN-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3
2.5°	2763.8	2747.1	2762.3	2782.0	2782.0	2779.0	2776.0	2782.0	2797.2	2791.1	2772.9
5°	2759.3	2742.6	2756.2	2776.0	2776.0	2771.4	2768.4	2772.9	2789.6	2782.0	2765.3
7.5°	2750.2	2735.0	2744.1	2762.3	2762.3	2757.8	2754.7	2760.8	2774.5	2766.9	2748.7
10°	2733.5	2716.8	2727.4	2744.1	2742.6	2739.5	2735.0	2742.6	2754.7	2744.1	2722.8
12.5°	2712.2	2695.5	2704.6	2719.8	2718.3	2712.2	2709.2	2713.7	2724.4	2718.3	2695.5
15°	2683.4	2666.7	2674.3	2689.5	2684.9	2680.4	2674.3	2675.8	2689.5	2678.8	2654.6
17.5°	2648.5	2630.3	2636.3	2650.0	2645.4	2640.9	2633.3	2634.8	2650.0	2634.8	2609.0
20°	2606.0	2586.3	2590.8	2607.5	2599.9	2592.3	2584.7	2584.7	2599.9	2583.2	2554.4
22.5°	2560.4	2540.7	2543.8	2555.9	2549.8	2536.2	2528.6	2533.1	2540.7	2519.5	2489.1
25°	2504.3	2478.5	2483.0	2495.2	2490.6	2472.4	2464.8	2467.9	2464.8	2448.1	2416.3
27.5°	2439.0	2411.7	2414.7	2422.3	2416.3	2399.6	2390.5	2392.0	2385.9	2364.7	2328.2
30°	2357.1	2343.4	2341.9	2346.4	2337.3	2320.6	2310.0	2307.0	2305.5	2275.1	2231.1
32.5°	2273.6	2261.5	2253.9	2259.9	2249.3	2232.6	2214.4	2214.4	2199.2	2170.4	2132.4
35°	2188.6	2168.9	2161.3	2165.8	2153.7	2132.4	2117.3	2109.7	2086.9	2050.5	2009.5
37.5°	2079.3	2065.7	2056.6	2061.1	2047.4	2032.3	2003.4	1995.8	1971.6	1921.5	1869.9
40°	1960.9	1950.3	1941.2	1945.8	1930.6	1907.8	1882.0	1869.9	1842.6	1786.4	1745.4
42.5°	1833.4	1828.9	1818.3	1835.0	1804.6	1781.8	1756.0	1736.3	1709.0	1648.3	1601.2
45°	1698.4	1709.0	1684.7	1689.3	1669.5	1649.8	1622.5	1593.6	1566.3	1508.6	1455.5
47.5°	1555.7	1563.3	1546.6	1549.6	1528.4	1510.2	1485.9	1449.5	1419.1	1369.0	1322.0
50°	1408.5	1405.4	1405.4	1402.4	1385.7	1362.9	1338.7	1305.3	1274.9	1229.4	1189.9
52.5°	1252.1	1258.2	1261.3	1268.8	1247.6	1233.9	1196.0	1167.2	1144.4	1097.3	1063.9
55°	1101.9	1123.1	1117.1	1120.1	1095.8	1085.2	1054.8	1032.1	998.7	971.4	950.1
57.5°	965.3	969.8	972.9	977.4	966.8	945.6	921.3	903.1	877.3	854.5	839.3
60°	833.2	833.2	834.8	842.4	831.7	813.5	795.3	781.6	763.4	749.8	740.7
62.5°	708.8	719.4	720.9	714.9	701.2	692.1	680.0	672.4	660.2	655.7	652.6
65°	593.4	593.4	593.4	596.5	588.9	582.8	575.2	573.7	578.3	572.2	575.2
67.5°	496.3	491.8	488.7	490.2	487.2	484.2	482.6	487.2	496.3	496.3	503.9
70°	412.8	403.7	397.7	397.7	397.7	399.2	403.7	412.8	428.0	434.1	444.7
72.5°	344.5	324.8	315.7	315.7	317.2	323.3	336.9	353.6	367.3	379.4	393.1
75°	279.3	259.5	245.9	244.4	247.4	256.5	276.2	291.4	314.2	330.9	347.6
77.5°	226.1	201.9	185.2	183.6	188.2	201.9	226.1	245.9	271.7	289.9	308.1
80°	180.6	153.3	139.6	130.5	138.1	154.8	182.1	206.4	230.7	255.0	277.7
82.5°	144.2	118.4	97.1	88.0	97.1	119.9	145.7	174.5	198.8	224.6	247.4
85°	113.8	86.5	62.2	53.1	63.7	88.0	116.9	145.7	173.0	198.8	221.6
87.5°	89.5	62.2	37.9	25.8	39.5	65.3	92.6	121.4	150.3	176.1	198.8
90°	69.8	44.0	21.2	3.0	22.8	47.1	74.4	101.7	130.5	156.3	179.1
92.5°	59.2	33.4	12.1	0.0	13.7	34.9	60.7	88.0	113.8	139.6	162.4
95°	50.1	27.3	9.1	0.0	9.1	27.3	50.1	74.4	100.2	126.0	148.7
97.5°	42.5	21.2	6.1	0.0	6.1	21.2	41.0	65.3	88.0	112.3	133.6
100°	36.4	18.2	4.6	0.0	4.6	16.7	34.9	56.2	78.9	101.7	121.4
102.5°	31.9	15.2	3.0	0.0	3.0	13.7	28.8	48.6	68.3	89.5	109.3
105°	27.3	12.1	3.0	0.0	1.5	10.6	24.3	42.5	60.7	80.4	98.7
107.5°	24.3	10.6	3.0	0.0	1.5	9.1	21.2	36.4	54.6	71.3	88.0
110°	21.2	9.1	3.0	0.0	1.5	6.1	18.2	31.9	47.1	63.7	80.4



TEST NUMBER: P#

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

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	18.2	7.6	1.5	0.0	0.0	4.6	15.2	27.3	41.0	57.7	71.3
115°	16.7	7.6	1.5	0.0	0.0	3.0	12.1	24.3	36.4	51.6	63.7
117.5°	15.2	6.1	1.5	0.0	1.5	3.0	10.6	21.2	31.9	44.0	57.7
120°	13.7	6.1	1.5	0.0	1.5	1.5	7.6	18.2	27.3	39.5	50.1
122.5°	12.1	6.1	1.5	0.0	1.5	1.5	6.1	15.2	24.3	34.9	44.0
125°	10.6	4.6	3.0	1.5	1.5	1.5	4.6	12.1	21.2	28.8	39.5
127.5°	10.6	4.6	3.0	1.5	1.5	1.5	3.0	10.6	16.7	25.8	34.9
130°	9.1	4.6	3.0	1.5	1.5	1.5	1.5	7.6	15.2	21.2	28.8
132.5°	7.6	4.6	3.0	1.5	1.5	1.5	1.5	4.6	10.6	18.2	24.3
135°	7.6	4.6	3.0	1.5	1.5	1.5	1.5	3.0	7.6	13.7	19.7
137.5°	6.1	3.0	3.0	1.5	1.5	1.5	1.5	1.5	6.1	10.6	15.2
140°	6.1	3.0	3.0	1.5	1.5	1.5	1.5	1.5	4.6	7.6	12.1
142.5°	4.6	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	6.1	9.1
145°	4.6	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	6.1
147.5°	4.6	4.6	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.6
150°	4.6	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
152.5°	4.6	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
155°	4.6	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
157.5°	4.6	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
160°	4.6	3.0	3.0	1.5	3.0	1.5	3.0	3.0	3.0	3.0	3.0
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-LN-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3
2.5°	2766.9	2738.0	2753.2	2748.7	2754.7	2766.9	2765.3	2762.3	2762.3	2757.8	2751.7
5°	2757.8	2730.4	2744.1	2736.5	2744.1	2754.7	2753.2	2748.7	2751.7	2744.1	2736.5
7.5°	2739.5	2715.3	2727.4	2721.3	2727.4	2738.0	2733.5	2732.0	2735.0	2722.8	2718.3
10°	2718.3	2691.0	2704.6	2697.0	2704.6	2712.2	2709.2	2703.1	2709.2	2697.0	2692.5
12.5°	2684.9	2662.1	2671.2	2668.2	2672.8	2680.4	2674.3	2669.7	2672.8	2662.1	2653.0
15°	2648.5	2625.7	2633.3	2628.7	2631.8	2640.9	2630.3	2628.7	2625.7	2615.1	2612.1
17.5°	2601.4	2580.2	2587.8	2580.2	2584.7	2581.7	2580.2	2572.6	2572.6	2560.4	2551.3
20°	2543.8	2525.5	2521.0	2514.9	2521.0	2514.9	2505.8	2499.7	2498.2	2486.1	2478.5
22.5°	2477.0	2455.7	2458.8	2442.1	2443.6	2434.5	2419.3	2413.2	2407.2	2393.5	2382.9
25°	2396.5	2375.3	2360.1	2349.5	2335.8	2334.3	2314.6	2299.4	2297.9	2281.2	2279.7
27.5°	2305.5	2281.2	2269.0	2243.2	2226.5	2212.9	2196.2	2181.0	2173.4	2155.2	2143.1
30°	2200.7	2173.4	2143.1	2124.9	2099.1	2088.4	2059.6	2041.4	2035.3	2015.6	2006.5
32.5°	2082.4	2053.5	2029.2	1994.3	1965.5	1950.3	1921.5	1903.3	1895.7	1874.4	1862.3
35°	1953.3	1921.5	1892.6	1859.2	1836.5	1810.7	1775.8	1757.6	1740.9	1733.3	1724.2
37.5°	1818.3	1783.4	1750.0	1716.6	1696.8	1666.5	1636.1	1624.0	1604.3	1596.7	1587.6
40°	1678.6	1643.7	1611.9	1580.0	1557.2	1529.9	1502.6	1498.0	1476.8	1469.2	1463.1
42.5°	1540.5	1504.1	1467.7	1444.9	1428.2	1400.9	1382.7	1378.1	1359.9	1355.4	1355.4
45°	1416.1	1370.5	1340.2	1320.4	1306.8	1284.0	1268.8	1265.8	1250.6	1247.6	1247.6
47.5°	1282.5	1240.0	1217.2	1205.1	1193.0	1176.3	1167.2	1167.2	1152.0	1148.9	1147.4
50°	1158.0	1118.6	1101.9	1089.7	1088.2	1076.1	1068.5	1065.5	1065.5	1054.8	1056.4
52.5°	1039.7	1019.9	1006.3	998.7	989.6	982.0	975.9	975.9	971.4	963.8	966.8
55°	930.4	907.6	909.1	903.1	898.5	894.0	895.5	886.4	884.9	878.8	883.3
57.5°	821.1	821.1	818.1	813.5	805.9	809.0	809.0	809.0	801.4	796.8	801.4
60°	728.5	733.1	725.5	730.0	727.0	728.5	725.5	725.5	720.9	719.4	720.9
62.5°	646.6	654.2	651.1	657.2	654.2	655.7	658.7	652.6	649.6	646.6	649.6
65°	573.7	582.8	581.3	585.9	587.4	588.9	590.4	587.4	584.3	581.3	579.8
67.5°	510.0	519.1	525.1	526.7	528.2	532.7	531.2	528.2	525.1	520.6	519.1
70°	452.3	464.4	472.0	475.1	481.1	478.1	478.1	476.6	473.5	469.0	467.5
72.5°	403.7	417.4	425.0	428.0	434.1	434.1	432.6	431.0	428.0	423.5	421.9
75°	361.2	373.4	384.0	390.1	394.6	394.6	393.1	391.6	388.5	385.5	384.0
77.5°	327.8	338.5	347.6	355.2	358.2	359.7	358.2	355.2	355.2	353.6	352.1
80°	294.4	306.6	315.7	323.3	327.8	327.8	326.3	327.8	324.8	323.3	321.8
82.5°	265.6	279.3	289.9	297.5	300.5	302.0	300.5	302.0	299.0	299.0	299.0
85°	239.8	253.5	265.6	271.7	276.2	277.7	277.7	277.7	276.2	276.2	276.2
87.5°	218.6	232.2	244.4	250.4	255.0	256.5	256.5	258.0	255.0	255.0	255.0
90°	198.8	212.5	224.6	230.7	235.3	238.3	238.3	239.8	238.3	236.8	236.8
92.5°	180.6	195.8	207.9	214.0	218.6	223.1	223.1	224.6	221.6	221.6	221.6
95°	165.4	180.6	191.2	198.8	203.4	206.4	207.9	207.9	206.4	206.4	206.4
97.5°	151.8	165.4	176.1	183.6	188.2	189.7	191.2	192.8	191.2	191.2	191.2
100°	138.1	151.8	162.4	168.5	174.5	176.1	177.6	179.1	179.1	177.6	177.6
102.5°	126.0	139.6	148.7	156.3	160.9	163.9	165.4	165.4	165.4	165.4	165.4
105°	113.8	127.5	136.6	144.2	148.7	151.8	153.3	154.8	154.8	153.3	153.3
107.5°	103.2	115.3	126.0	132.0	138.1	141.2	142.7	142.7	144.2	142.7	142.7
110°	92.6	106.2	115.3	121.4	127.5	130.5	132.0	133.6	133.6	133.6	133.6



TEST NUMBER: P#

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

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	85.0	95.6	104.7	110.8	116.9	119.9	121.4	122.9	124.5	122.9	122.9
115°	75.9	86.5	95.6	101.7	106.2	109.3	112.3	113.8	113.8	115.3	113.8
117.5°	68.3	77.4	86.5	92.6	97.1	101.7	103.2	104.7	106.2	104.7	104.7
120°	60.7	69.8	77.4	83.5	88.0	92.6	94.1	95.6	97.1	95.6	95.6
122.5°	54.6	62.2	69.8	75.9	80.4	83.5	86.5	86.5	88.0	88.0	88.0
125°	48.6	56.2	62.2	68.3	72.9	75.9	77.4	78.9	78.9	80.4	80.4
127.5°	42.5	48.6	56.2	60.7	65.3	68.3	69.8	71.3	71.3	72.9	72.9
130°	36.4	42.5	48.6	53.1	57.7	60.7	62.2	63.7	65.3	65.3	65.3
132.5°	31.9	37.9	42.5	47.1	50.1	53.1	56.2	57.7	57.7	57.7	57.7
135°	25.8	31.9	36.4	41.0	44.0	47.1	48.6	51.6	51.6	51.6	51.6
137.5°	21.2	27.3	31.9	34.9	37.9	41.0	42.5	44.0	45.5	45.5	45.5
140°	16.7	21.2	25.8	30.4	33.4	34.9	37.9	37.9	39.5	39.5	39.5
142.5°	12.1	16.7	19.7	24.3	27.3	30.4	31.9	33.4	33.4	33.4	33.4
145°	9.1	12.1	15.2	18.2	22.8	24.3	25.8	27.3	28.8	28.8	28.8
147.5°	6.1	9.1	10.6	13.7	16.7	19.7	21.2	22.8	24.3	24.3	24.3
150°	4.6	6.1	9.1	10.6	12.1	15.2	18.2	18.2	19.7	19.7	18.2
152.5°	3.0	4.6	6.1	7.6	9.1	10.6	13.7	13.7	15.2	15.2	15.2
155°	3.0	3.0	3.0	4.6	6.1	7.6	9.1	10.6	10.6	10.6	10.6
157.5°	3.0	3.0	3.0	3.0	3.0	4.6	6.1	7.6	7.6	7.6	7.6
160°	3.0	3.0	1.5	1.5	3.0	3.0	3.0	3.0	4.6	4.6	4.6
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-LN-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3
2.5°	2756.2	2759.3	2759.3	2756.2	2754.7	2760.8	2753.2	2724.4	2733.5	2736.5	2745.6
5°	2742.6	2745.6	2745.6	2745.6	2742.6	2748.7	2741.1	2712.2	2722.8	2727.4	2733.5
7.5°	2722.8	2724.4	2727.4	2725.9	2722.8	2732.0	2724.4	2695.5	2703.1	2710.7	2718.3
10°	2697.0	2697.0	2698.6	2701.6	2698.6	2706.2	2698.6	2672.8	2680.4	2684.9	2694.0
12.5°	2662.1	2665.2	2666.7	2665.2	2663.7	2669.7	2666.7	2642.4	2645.4	2654.6	2663.7
15°	2615.1	2615.1	2622.7	2619.6	2619.6	2625.7	2628.7	2601.4	2606.0	2619.6	2628.7
17.5°	2557.4	2558.9	2565.0	2568.0	2566.5	2577.1	2578.7	2557.4	2555.9	2572.6	2581.7
20°	2483.0	2486.1	2493.7	2499.7	2499.7	2511.9	2516.4	2502.8	2504.3	2522.5	2525.5
22.5°	2392.0	2392.0	2405.6	2414.7	2422.3	2429.9	2443.6	2431.4	2431.4	2455.7	2469.4
25°	2279.7	2290.3	2294.8	2313.1	2323.7	2344.9	2357.1	2358.6	2360.1	2382.9	2392.0
27.5°	2155.2	2158.2	2171.9	2193.2	2205.3	2225.0	2247.8	2252.3	2259.9	2290.3	2303.9
30°	2014.1	2023.2	2029.2	2059.6	2076.3	2102.1	2130.9	2141.5	2147.6	2188.6	2205.3
32.5°	1869.9	1872.9	1898.7	1915.4	1935.1	1962.5	1995.8	2015.6	2027.7	2070.2	2094.5
35°	1725.7	1731.8	1753.0	1774.3	1794.0	1821.3	1856.2	1883.5	1904.8	1942.7	1974.6
37.5°	1593.6	1608.8	1613.4	1634.6	1649.8	1677.1	1701.4	1740.9	1762.1	1801.6	1842.6
40°	1475.3	1479.8	1482.8	1504.1	1514.7	1540.5	1575.4	1601.2	1630.1	1658.9	1707.5
42.5°	1358.4	1361.4	1366.0	1378.1	1390.3	1408.5	1434.3	1460.1	1490.4	1532.9	1564.8
45°	1250.6	1253.7	1256.7	1264.3	1274.9	1291.6	1308.3	1326.5	1356.9	1393.3	1426.7
47.5°	1150.5	1156.5	1156.5	1158.0	1165.6	1179.3	1191.4	1214.2	1230.9	1250.6	1288.6
50°	1054.8	1059.4	1060.9	1060.9	1065.5	1074.6	1077.6	1092.8	1108.0	1126.2	1153.5
52.5°	965.3	965.3	963.8	969.8	969.8	975.9	977.4	986.5	997.2	1016.9	1029.0
55°	880.3	880.3	884.9	881.8	881.8	884.9	883.3	884.9	894.0	906.1	916.7
57.5°	798.3	796.8	801.4	798.3	796.8	799.9	802.9	796.8	798.3	810.5	810.5
60°	716.4	717.9	722.5	719.4	719.4	719.4	716.4	713.3	710.3	717.9	720.9
62.5°	651.1	646.6	651.1	646.6	649.6	648.1	645.0	639.0	640.5	637.5	634.4
65°	582.8	582.8	584.3	579.8	582.8	582.8	578.3	576.7	567.6	564.6	557.0
67.5°	523.6	523.6	525.1	522.1	522.1	523.6	519.1	514.5	505.4	500.9	490.2
70°	472.0	472.0	472.0	470.5	470.5	470.5	467.5	461.4	452.3	444.7	431.0
72.5°	425.0	426.5	425.0	425.0	429.5	425.0	420.4	414.3	406.8	391.6	379.4
75°	387.0	388.5	387.0	387.0	387.0	385.5	384.0	374.9	365.8	353.6	335.4
77.5°	353.6	353.6	355.2	353.6	353.6	352.1	347.6	340.0	329.4	318.7	297.5
80°	321.8	323.3	324.8	326.3	323.3	321.8	317.2	311.1	297.5	285.3	264.1
82.5°	299.0	297.5	299.0	300.5	297.5	296.0	291.4	283.8	273.2	256.5	235.3
85°	276.2	274.7	274.7	276.2	274.7	271.7	267.1	259.5	248.9	232.2	211.0
87.5°	253.5	255.0	256.5	255.0	253.5	250.4	245.9	238.3	226.1	212.5	189.7
90°	236.8	236.8	236.8	236.8	235.3	232.2	227.7	218.6	207.9	191.2	171.5
92.5°	221.6	221.6	221.6	221.6	220.1	215.5	211.0	203.4	191.2	174.5	156.3
95°	206.4	207.9	206.4	206.4	203.4	201.9	194.3	186.7	176.1	159.4	139.6
97.5°	189.7	191.2	189.7	189.7	188.2	185.2	180.6	171.5	160.9	145.7	127.5
100°	177.6	177.6	176.1	176.1	174.5	171.5	165.4	157.8	147.2	132.0	113.8
102.5°	163.9	165.4	163.9	163.9	160.9	157.8	153.3	145.7	135.1	119.9	103.2
105°	153.3	153.3	151.8	151.8	148.7	145.7	141.2	132.0	122.9	109.3	92.6
107.5°	142.7	142.7	141.2	141.2	138.1	135.1	129.0	121.4	112.3	98.7	83.5
110°	132.0	132.0	132.0	130.5	127.5	122.9	118.4	110.8	101.7	89.5	74.4





TEST NUMBER: P#

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

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	124.5	122.9	121.4	119.9	116.9	113.8	107.8	100.2	91.1	80.4	66.8
115°	113.8	113.8	112.3	110.8	107.8	103.2	98.7	92.6	83.5	71.3	59.2
117.5°	104.7	104.7	103.2	101.7	98.7	94.1	89.5	83.5	74.4	63.7	53.1
120°	95.6	95.6	94.1	92.6	89.5	85.0	82.0	74.4	66.8	56.2	47.1
122.5°	88.0	86.5	86.5	83.5	82.0	77.4	72.9	66.8	59.2	50.1	41.0
125°	78.9	78.9	77.4	75.9	74.4	69.8	65.3	59.2	51.6	44.0	36.4
127.5°	71.3	71.3	69.8	68.3	66.8	62.2	57.7	53.1	45.5	37.9	30.4
130°	63.7	63.7	62.2	60.7	59.2	54.6	51.6	45.5	39.5	33.4	25.8
132.5°	57.7	57.7	56.2	54.6	51.6	48.6	45.5	39.5	34.9	28.8	22.8
135°	51.6	50.1	50.1	48.6	45.5	42.5	39.5	34.9	28.8	24.3	18.2
137.5°	45.5	44.0	42.5	41.0	39.5	36.4	33.4	30.4	25.8	19.7	15.2
140°	39.5	37.9	37.9	36.4	33.4	31.9	28.8	24.3	21.2	16.7	12.1
142.5°	33.4	33.4	31.9	30.4	28.8	27.3	24.3	21.2	16.7	13.7	9.1
145°	28.8	27.3	27.3	25.8	24.3	21.2	19.7	16.7	13.7	10.6	7.6
147.5°	22.8	22.8	22.8	21.2	19.7	18.2	16.7	13.7	10.6	7.6	4.6
150°	18.2	18.2	18.2	16.7	15.2	13.7	12.1	10.6	7.6	4.6	3.0
152.5°	15.2	15.2	13.7	13.7	12.1	10.6	9.1	7.6	4.6	3.0	3.0
155°	10.6	10.6	10.6	9.1	9.1	7.6	6.1	4.6	3.0	3.0	3.0
157.5°	7.6	7.6	7.6	6.1	6.1	4.6	4.6	3.0	3.0	3.0	3.0
160°	4.6	4.6	4.6	4.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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-LN-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3	2759.3
2.5°	2741.1	2739.5	2751.7	2751.7	2738.0	2759.3	2782.0
5°	2732.0	2730.4	2742.6	2742.6	2730.4	2751.7	2776.0
7.5°	2713.7	2715.3	2727.4	2730.4	2715.3	2735.0	2760.8
10°	2694.0	2692.5	2706.2	2709.2	2697.0	2715.3	2739.5
12.5°	2662.1	2662.1	2675.8	2680.4	2668.2	2689.5	2712.2
15°	2628.7	2628.7	2637.9	2645.4	2634.8	2654.6	2677.3
17.5°	2586.3	2584.7	2593.8	2602.9	2592.3	2613.6	2637.9
20°	2531.6	2531.6	2542.2	2552.9	2545.3	2565.0	2592.3
22.5°	2473.9	2467.9	2486.1	2493.7	2489.1	2508.8	2536.2
25°	2401.1	2399.6	2417.8	2428.4	2422.3	2443.6	2467.9
27.5°	2322.2	2320.6	2338.9	2352.5	2349.5	2369.2	2396.5
30°	2226.5	2234.1	2250.8	2273.6	2266.0	2287.3	2316.1
32.5°	2126.4	2134.0	2153.7	2178.0	2179.5	2196.2	2225.0
35°	2006.5	2026.2	2039.9	2071.7	2077.8	2094.5	2124.9
37.5°	1880.5	1903.3	1932.1	1956.4	1968.5	1982.2	2017.1
40°	1739.3	1772.7	1804.6	1833.4	1848.6	1862.3	1895.7
42.5°	1611.9	1637.7	1668.0	1696.8	1724.2	1736.3	1771.2
45°	1467.7	1498.0	1525.3	1560.3	1587.6	1601.2	1636.1
47.5°	1326.5	1356.9	1393.3	1417.6	1446.4	1460.1	1493.5
50°	1191.4	1218.8	1249.1	1277.9	1302.2	1314.4	1343.2
52.5°	1057.9	1086.7	1115.5	1133.8	1159.6	1168.7	1193.0
55°	939.5	959.2	985.0	995.6	1021.4	1027.5	1044.2
57.5°	825.7	839.3	848.4	866.6	884.9	898.5	918.2
60°	722.5	728.5	734.6	745.2	760.4	764.9	772.5
62.5°	629.9	628.3	640.5	643.5	645.0	660.2	652.6
65°	547.9	549.4	538.8	534.2	540.3	544.9	541.8
67.5°	479.6	470.5	461.4	450.8	441.7	446.2	441.7
70°	412.8	405.2	390.1	374.9	368.8	359.7	355.2
72.5°	359.7	341.5	326.3	306.6	296.0	285.3	277.7
75°	318.7	292.9	271.7	250.4	235.3	220.1	217.0
77.5°	276.2	251.9	227.7	204.9	182.1	165.4	159.4
80°	242.8	220.1	191.2	163.9	139.6	118.4	110.8
82.5°	212.5	188.2	159.4	130.5	103.2	80.4	71.3
85°	186.7	160.9	132.0	103.2	75.9	51.6	39.5
87.5°	167.0	138.1	109.3	82.0	53.1	28.8	15.2
90°	148.7	121.4	94.1	65.3	37.9	15.2	0.0
92.5°	132.0	106.2	78.9	53.1	28.8	9.1	1.5
95°	116.9	94.1	66.8	42.5	21.2	6.1	1.5
97.5°	104.7	82.0	57.7	34.9	16.7	4.6	1.5
100°	94.1	71.3	50.1	28.8	13.7	3.0	1.5
102.5°	83.5	63.7	42.5	24.3	10.6	1.5	1.5
105°	74.4	56.2	36.4	21.2	9.1	1.5	1.5
107.5°	66.8	50.1	31.9	18.2	6.1	1.5	1.5
110°	59.2	42.5	27.3	15.2	4.6	1.5	1.5



TEST NUMBER: P#

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

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	53.1	37.9	24.3	12.1	3.0	1.5	1.5
115°	47.1	33.4	21.2	10.6	3.0	1.5	1.5
117.5°	41.0	28.8	18.2	7.6	1.5	1.5	1.5
120°	36.4	25.8	15.2	6.1	1.5	1.5	1.5
122.5°	31.9	21.2	12.1	4.6	1.5	1.5	1.5
125°	27.3	18.2	10.6	3.0	1.5	1.5	1.5
127.5°	22.8	15.2	7.6	3.0	1.5	1.5	1.5
130°	19.7	12.1	6.1	1.5	1.5	1.5	1.5
132.5°	16.7	9.1	4.6	1.5	1.5	1.5	1.5
135°	13.7	7.6	3.0	1.5	1.5	1.5	1.5
137.5°	10.6	6.1	3.0	1.5	1.5	1.5	1.5
140°	7.6	4.6	1.5	1.5	1.5	1.5	1.5
142.5°	6.1	3.0	1.5	1.5	1.5	1.5	1.5
145°	4.6	3.0	1.5	1.5	1.5	1.5	1.5
147.5°	3.0	3.0	3.0	3.0	1.5	1.5	1.5
150°	3.0	3.0	1.5	1.5	3.0	1.5	1.5
152.5°	3.0	1.5	1.5	1.5	3.0	1.5	1.5
155°	3.0	3.0	3.0	3.0	3.0	3.0	1.5
157.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0
160°	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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)