

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-LD5-57SL-RW-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 (P33525)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-57SL-RW-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

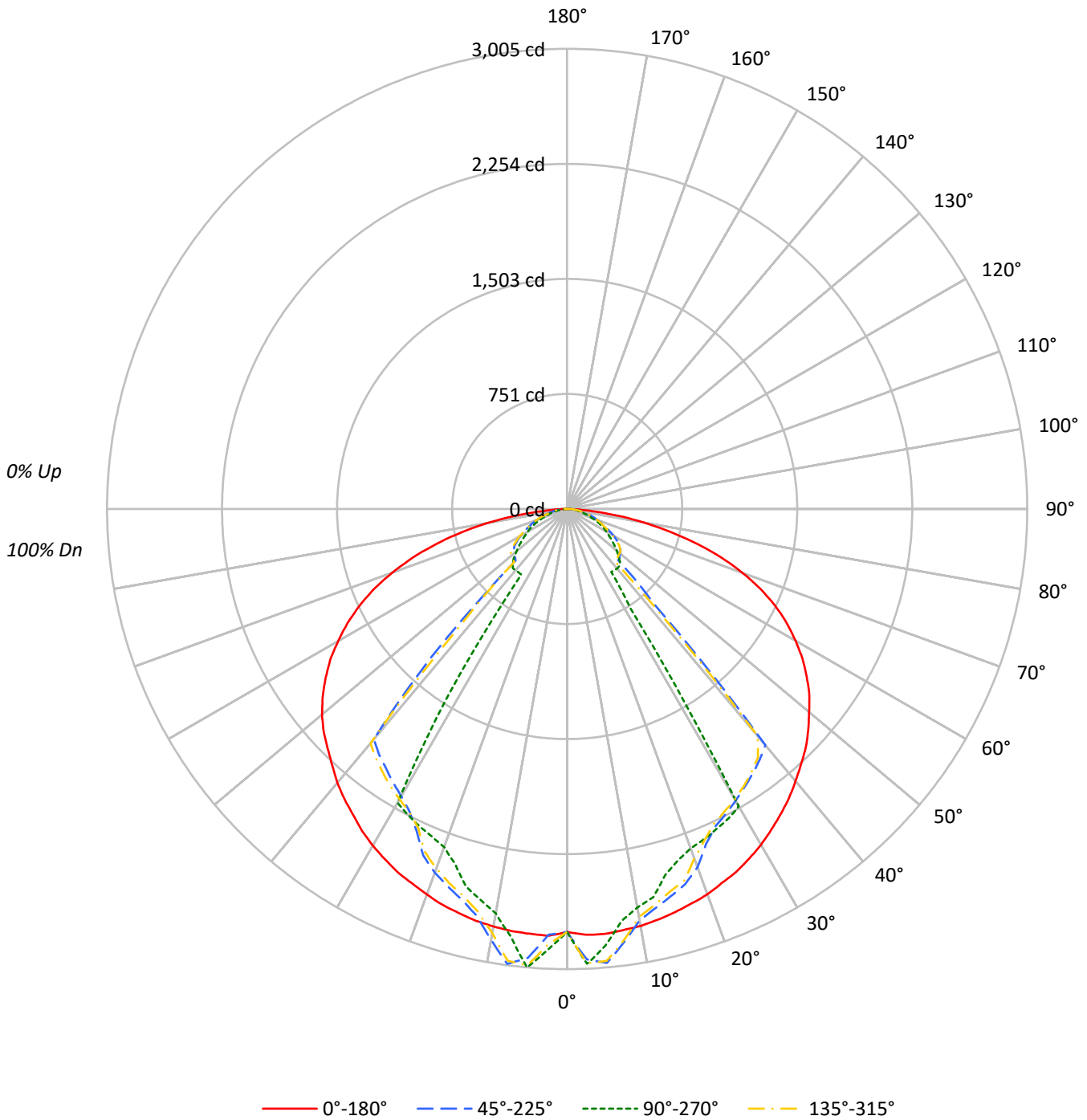
Lumens per Lamp: N/A
Luminaire Lumens: 5531.0 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 42
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-LD5-57SL-RW-UNV-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-57SL-RW-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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87
2	102	94	88	83	99	93	87	82	89	85	81	86	82	79	83	80	77	75
3	94	84	77	72	91	83	76	71	80	74	70	77	73	69	75	71	67	65
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41
8	66	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37
9	62	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11160	11160	11160	11160
5°	11285	11244	11280	11801
10°	11312	10166	11327	10322
15°	11353	9406	11379	9704
20°	11452	8921	11452	8888
25°	11569	8750	11586	8669
30°	11706	8596	11735	8494
35°	11865	1958	11889	2042
40°	12080	2036	12152	2102
45°	12399	2025	12442	2098
50°	12725	1831	12897	1880
55°	13162	1625	13267	1649
60°	13555	1444	13585	1463
65°	13876	1261	13841	1241
70°	13793	1016	13750	979
75°	12978	782	13071	749
80°	10796	556	11228	509
85°	6223	333	6573	255



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-57SL-RW-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.8	4.9
10°-20°	747.2	13.5
20°-30°	1106.7	20.0
30°-40°	1115.1	20.2
40°-50°	871.1	15.7
50°-60°	672.8	12.2
60°-70°	451.7	8.2
70°-80°	230.4	4.2
80°-90°	64.1	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2125.7	38.4
0°-40°	3240.8	58.6
0°-60°	4784.7	86.5
0°-90°	5531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5531.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2762	2762	2762	2762	2762	
5°	2786	2863	2785	3005	2786	265
15°	2725	2475	2732	2553	2725	771
25°	2614	2306	2618	2285	2614	1206
35°	2432	501	2437	523	2432	1524
45°	2204	487	2211	505	2204	1699
55°	1910	354	1925	360	1910	1706
65°	1500	238	1496	234	1500	1475
75°	880	120	886	115	880	920
85°	158	38	167	29	158	218
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2783.6	2793.7	2801.3	2806.3	2808.9	2808.9	2810.1	2811.4	2827.9	2835.5	2840.5
5°	2786.1	2796.2	2811.4	2831.7	2849.4	2864.6	2877.2	2895.0	2912.7	2931.7	2938.0
7.5°	2774.7	2787.4	2817.7	2854.4	2888.6	2912.7	2929.1	2940.5	2949.4	2950.6	2957.0
10°	2764.6	2787.4	2829.1	2877.2	2920.3	2949.4	2949.4	2943.1	2951.9	2917.7	2883.6
12.5°	2746.8	2772.2	2829.1	2892.4	2932.9	2944.3	2939.3	2913.9	2862.0	2820.3	2801.3
15°	2725.3	2759.5	2830.4	2901.3	2935.5	2939.3	2891.2	2826.6	2787.4	2762.0	2730.4
17.5°	2701.3	2746.8	2831.7	2902.5	2915.2	2897.5	2806.3	2765.8	2725.3	2665.8	2622.8
20°	2678.5	2722.8	2821.5	2884.8	2892.4	2812.7	2741.8	2698.7	2630.4	2578.5	2559.5
22.5°	2643.1	2695.0	2812.7	2860.8	2831.7	2739.3	2670.9	2602.5	2540.5	2525.3	2502.5
25°	2613.9	2668.4	2792.4	2831.7	2754.4	2672.2	2592.4	2512.7	2483.6	2462.0	2441.8
27.5°	2574.7	2641.8	2765.8	2778.5	2672.2	2600.0	2483.6	2448.1	2421.5	2397.5	2388.6
30°	2531.7	2613.9	2729.1	2705.1	2603.8	2497.5	2411.4	2378.5	2359.5	2334.2	2324.1
32.5°	2482.3	2572.2	2688.6	2620.3	2530.4	2397.5	2341.8	2316.5	2291.2	2272.2	2208.9
35°	2431.7	2535.5	2640.5	2539.3	2441.8	2321.5	2272.2	2249.4	2225.3	2155.7	2089.9
37.5°	2379.8	2494.9	2582.3	2451.9	2324.1	2243.0	2201.3	2176.0	2121.5	2032.9	2000.0
40°	2320.3	2445.6	2507.6	2362.0	2221.5	2163.3	2124.1	2098.7	1976.0	1936.7	1926.6
42.5°	2260.8	2397.5	2416.5	2274.7	2136.7	2078.5	2045.6	1962.0	1878.5	1858.2	1862.0
45°	2203.8	2345.6	2316.5	2150.6	2048.1	2000.0	1944.3	1829.1	1784.8	1794.9	1797.5
47.5°	2135.5	2283.6	2211.4	2026.6	1957.0	1908.9	1784.8	1715.2	1708.9	1722.8	1730.4
50°	2062.0	2213.9	2100.0	1913.9	1858.2	1801.3	1660.8	1625.3	1632.9	1646.8	1655.7
52.5°	1993.7	2135.5	1984.8	1808.9	1760.8	1630.4	1535.5	1541.8	1554.4	1570.9	1576.0
55°	1910.1	2040.5	1862.0	1702.5	1657.0	1486.1	1443.0	1458.2	1470.9	1484.8	1494.9
57.5°	1822.8	1931.7	1716.5	1583.6	1510.1	1358.2	1362.0	1372.2	1381.0	1397.5	577.2
60°	1722.8	1807.6	1557.0	1473.4	1327.9	1257.0	1260.8	1278.5	1287.3	719.0	397.5
62.5°	1619.0	1663.3	1412.7	1348.1	1160.8	1155.7	1173.4	1181.0	803.8	379.7	372.2
65°	1500.0	1491.1	1270.9	1168.4	1046.8	1051.9	1070.9	1032.9	355.7	355.7	353.2
67.5°	1368.4	1315.2	1132.9	967.1	936.7	948.1	968.4	338.0	329.1	331.6	322.8
70°	1217.7	1143.0	989.9	819.0	829.1	840.5	326.6	306.3	302.5	296.2	278.5
72.5°	1058.2	955.7	810.1	711.4	717.7	450.6	286.1	276.0	263.3	250.6	231.6
75°	879.8	746.8	594.9	594.9	603.8	257.0	249.4	232.9	219.0	202.5	191.1
77.5°	689.9	574.7	462.0	479.7	234.2	215.2	201.3	183.5	172.2	162.0	155.7
80°	505.1	401.3	348.1	311.4	182.3	163.3	149.4	139.2	134.2	127.8	120.3
82.5°	331.6	241.8	241.8	146.8	127.8	112.7	108.9	101.3	96.2	92.4	88.6
85°	158.2	140.5	106.3	89.9	79.7	72.2	69.6	65.8	65.8	64.6	63.3
87.5°	58.2	63.3	46.8	45.6	43.0	41.8	43.0	43.0	44.3	43.0	41.8
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2853.2	2863.3	2870.9	2883.6	2900.0	2913.9	2926.6	2944.3	2972.2	2979.8	2986.1
5°	2938.0	2941.8	2950.6	2960.8	2963.3	2969.6	2968.4	2976.0	2979.8	2988.6	2969.6
7.5°	2943.1	2922.8	2898.7	2877.2	2862.0	2848.1	2839.3	2853.2	2860.8	2867.1	2848.1
10°	2836.7	2812.7	2798.7	2786.1	2770.9	2749.4	2720.3	2726.6	2724.1	2724.1	2717.7
12.5°	2769.6	2735.5	2700.0	2668.4	2654.4	2653.2	2654.4	2668.4	2668.4	2667.1	2659.5
15°	2664.6	2631.7	2613.9	2606.3	2606.3	2602.5	2602.5	2617.7	2613.9	2613.9	2610.1
17.5°	2594.9	2572.2	2559.5	2550.6	2546.8	2553.2	2560.8	2567.1	2568.4	2563.3	2543.1
20°	2538.0	2516.5	2501.3	2503.8	2502.5	2506.3	2510.1	2488.6	2462.0	2426.6	2410.1
22.5°	2478.5	2462.0	2450.6	2450.6	2435.5	2411.4	2376.0	2368.4	2364.6	2348.1	2334.2
25°	2421.5	2402.5	2386.1	2335.5	2303.8	2307.6	2301.3	2288.6	2287.4	2286.1	2291.2
27.5°	2364.6	2315.2	2251.9	2244.3	2231.7	2230.4	2238.0	2244.3	2244.3	2249.4	2255.7
30°	2246.8	2189.9	2178.5	2164.6	2169.6	2187.4	2191.2	2200.0	2202.5	2211.4	2216.5
32.5°	2139.3	2113.9	2103.8	2110.1	2126.6	2141.8	2150.6	2154.4	2160.8	2168.4	2174.7
35°	2051.9	2044.3	2053.2	2067.1	2083.6	2096.2	2103.8	2111.4	2117.7	2124.1	2129.1
37.5°	1987.4	1992.4	2005.1	2022.8	2039.3	2049.4	2055.7	2064.6	2073.4	2081.0	2050.6
40°	1926.6	1939.3	1953.2	1972.2	1986.1	1996.2	2002.5	2013.9	1938.0	877.2	481.0
42.5°	1873.4	1887.4	1897.5	1912.7	1927.9	1935.5	1879.8	839.2	474.7	472.2	478.5
45°	1808.9	1820.3	1836.7	1848.1	1862.0	1222.8	467.1	472.2	464.6	469.6	472.2
47.5°	1743.0	1760.8	1769.6	1688.6	502.5	464.6	459.5	464.6	459.5	465.8	462.0
50°	1668.4	1689.9	1202.5	454.4	450.6	448.1	453.2	450.6	454.4	459.5	449.4
52.5°	1592.4	986.1	440.5	438.0	440.5	438.0	446.8	440.5	441.8	436.7	424.1
55°	539.2	426.6	422.8	421.5	429.1	429.1	429.1	419.0	412.7	400.0	391.1
57.5°	412.7	412.7	411.4	412.7	410.1	407.6	396.2	387.3	378.5	360.8	355.7
60°	391.1	391.1	391.1	391.1	379.7	374.7	357.0	349.4	334.2	325.3	320.3
62.5°	373.4	370.9	359.5	355.7	343.0	329.1	319.0	311.4	296.2	291.1	287.3
65°	348.1	339.2	325.3	310.1	303.8	288.6	283.5	272.2	264.6	260.8	258.2
67.5°	306.3	293.7	282.3	272.2	260.8	255.7	249.4	240.5	235.4	232.9	230.4
70°	262.0	253.2	241.8	235.4	227.8	224.1	215.2	212.7	208.9	205.1	201.3
72.5°	219.0	213.9	208.9	200.0	197.5	194.9	186.1	181.0	176.0	170.9	168.4
75°	183.5	179.7	177.2	169.6	165.8	158.2	151.9	148.1	144.3	140.5	138.0
77.5°	150.6	148.1	140.5	135.4	132.9	126.6	124.1	125.3	122.8	117.7	115.2
80°	117.7	115.2	108.9	108.9	106.3	103.8	101.3	98.7	96.2	92.4	89.9
82.5°	89.9	87.3	84.8	82.3	79.7	78.5	77.2	74.7	72.2	69.6	68.4
85°	63.3	62.0	60.8	59.5	58.2	57.0	55.7	53.2	50.6	49.4	48.1
87.5°	43.0	41.8	40.5	39.2	38.0	36.7	35.4	34.2	31.6	30.4	29.1
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2986.1	2992.4	2986.1	2972.2	2963.3	2959.5	2967.1	2967.1	2972.2	2978.5	2979.8
5°	2939.3	2924.1	2906.3	2888.6	2879.8	2874.7	2860.8	2863.3	2867.1	2869.6	2872.2
7.5°	2822.8	2802.5	2778.5	2755.7	2746.8	2739.3	2722.8	2722.8	2722.8	2724.1	2731.7
10°	2703.8	2695.0	2684.8	2669.6	2658.2	2654.4	2640.5	2644.3	2641.8	2645.6	2654.4
12.5°	2648.1	2638.0	2629.1	2613.9	2601.3	2596.2	2589.9	2593.7	2592.4	2598.7	2606.3
15°	2597.5	2592.4	2582.3	2570.9	2559.5	2549.4	2526.6	2519.0	2513.9	2507.6	2516.5
17.5°	2513.9	2478.5	2454.4	2436.7	2424.1	2415.2	2408.9	2408.9	2412.7	2416.5	2424.1
20°	2400.0	2389.9	2378.5	2359.5	2346.8	2341.8	2338.0	2338.0	2344.3	2349.4	2363.3
22.5°	2321.5	2320.3	2316.5	2307.6	2301.3	2301.3	2302.5	2305.1	2313.9	2321.5	2335.5
25°	2284.8	2289.9	2287.4	2282.3	2278.5	2279.8	2277.2	2279.8	2288.6	2296.2	2307.6
27.5°	2255.7	2263.3	2260.8	2253.2	2246.8	2249.4	2253.2	2250.6	2258.2	2267.1	2276.0
30°	2216.5	2217.7	2222.8	2213.9	2211.4	2215.2	2216.5	2219.0	2226.6	2232.9	2240.5
32.5°	2172.2	2182.3	2181.0	2172.2	2172.2	2176.0	2177.2	2092.4	1934.2	1665.8	1592.4
35°	2129.1	2140.5	2121.5	1788.6	1238.0	660.8	510.1	492.4	496.2	498.7	501.3
37.5°	1574.7	746.8	476.0	479.7	483.5	487.3	491.1	494.9	498.7	502.5	503.8
40°	473.4	472.2	476.0	481.0	484.8	487.3	492.4	496.2	500.0	503.8	505.1
42.5°	468.4	470.9	474.7	479.7	484.8	489.9	493.7	498.7	501.3	503.8	505.1
45°	465.8	470.9	476.0	479.7	483.5	486.1	488.6	489.9	488.6	488.6	491.1
47.5°	462.0	467.1	468.4	467.1	468.4	467.1	467.1	467.1	463.3	462.0	462.0
50°	448.1	448.1	445.6	440.5	439.2	438.0	435.4	434.2	429.1	427.9	427.9
52.5°	419.0	417.7	413.9	407.6	405.1	402.5	401.3	400.0	394.9	392.4	393.7
55°	384.8	382.3	378.5	370.9	369.6	367.1	365.8	364.6	359.5	362.0	358.2
57.5°	353.2	348.1	343.0	341.8	336.7	335.4	334.2	332.9	329.1	330.4	327.8
60°	315.2	313.9	311.4	306.3	306.3	305.1	305.1	302.5	300.0	298.7	298.7
62.5°	287.3	283.5	281.0	281.0	277.2	277.2	277.2	274.7	272.2	273.4	272.2
65°	257.0	255.7	254.4	251.9	251.9	250.6	250.6	248.1	244.3	245.6	243.0
67.5°	231.6	229.1	226.6	225.3	220.3	217.7	216.5	215.2	210.1	211.4	208.9
70°	200.0	196.2	193.7	191.1	187.3	184.8	184.8	182.3	178.5	179.7	177.2
72.5°	167.1	164.6	162.0	160.8	157.0	155.7	154.4	153.2	149.4	150.6	149.4
75°	139.2	139.2	138.0	136.7	132.9	129.1	126.6	125.3	122.8	124.1	121.5
77.5°	115.2	112.7	110.1	110.1	106.3	103.8	101.3	101.3	101.3	100.0	98.7
80°	89.9	87.3	87.3	86.1	83.5	81.0	79.7	79.7	78.5	78.5	77.2
82.5°	68.4	65.8	64.6	64.6	62.0	60.8	59.5	58.2	58.2	58.2	57.0
85°	48.1	45.6	44.3	44.3	41.8	40.5	40.5	39.2	39.2	38.0	38.0
87.5°	29.1	27.8	26.6	26.6	24.1	22.8	22.8	22.8	21.5	21.5	20.3
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2979.8	2979.8	2970.9	2973.4	2969.6	2974.7	2968.4	2968.4	2976.0	2976.0	2981.0
5°	2873.4	2867.1	2865.8	2863.3	2850.6	2855.7	2849.4	2843.1	2851.9	2851.9	2863.3
7.5°	2727.9	2716.5	2721.5	2713.9	2706.3	2695.0	2698.7	2693.7	2700.0	2708.9	2720.3
10°	2653.2	2643.1	2649.4	2641.8	2645.6	2629.1	2630.4	2631.7	2638.0	2640.5	2650.6
12.5°	2605.1	2602.5	2600.0	2597.5	2600.0	2591.2	2586.1	2587.4	2589.9	2591.2	2598.7
15°	2503.8	2487.4	2492.4	2474.7	2476.0	2477.2	2467.1	2477.2	2476.0	2492.4	2507.6
17.5°	2421.5	2421.5	2412.7	2405.1	2400.0	2398.7	2391.2	2396.2	2391.2	2401.3	2405.1
20°	2364.6	2363.3	2362.0	2358.2	2345.6	2346.8	2350.6	2339.3	2338.0	2336.7	2344.3
22.5°	2338.0	2339.3	2334.2	2334.2	2322.8	2325.3	2326.6	2313.9	2315.2	2311.4	2315.2
25°	2310.1	2312.7	2306.3	2306.3	2303.8	2302.5	2296.2	2298.7	2291.2	2284.8	2291.2
27.5°	2277.2	2282.3	2277.2	2279.8	2274.7	2272.2	2268.4	2265.8	2258.2	2257.0	2260.8
30°	2246.8	2249.4	2248.1	2241.8	2240.5	2232.9	2236.7	2229.1	2221.5	2222.8	2225.3
32.5°	1151.9	1100.0	848.1	765.8	758.2	786.1	931.7	1134.2	1469.6	1794.9	2029.1
35°	502.5	502.5	502.5	501.3	501.3	500.0	498.7	497.5	496.2	494.9	493.7
37.5°	505.1	505.1	505.1	505.1	503.8	502.5	502.5	500.0	498.7	497.5	496.2
40°	506.3	507.6	507.6	507.6	506.3	506.3	505.1	502.5	501.3	498.7	496.2
42.5°	505.1	506.3	506.3	505.1	505.1	503.8	503.8	502.5	501.3	500.0	498.7
45°	488.6	489.9	487.3	487.3	486.1	486.1	486.1	486.1	486.1	487.3	487.3
47.5°	459.5	459.5	458.2	457.0	457.0	455.7	457.0	455.7	458.2	459.5	462.0
50°	425.3	425.3	422.8	421.5	421.5	421.5	421.5	422.8	424.1	426.6	429.1
52.5°	389.9	389.9	388.6	387.3	386.1	386.1	389.9	388.6	389.9	391.1	394.9
55°	355.7	357.0	354.4	354.4	353.2	353.2	353.2	354.4	355.7	357.0	360.8
57.5°	326.6	326.6	324.1	324.1	324.1	322.8	326.6	324.1	325.3	326.6	329.1
60°	297.5	296.2	296.2	294.9	294.9	294.9	297.5	296.2	296.2	297.5	300.0
62.5°	270.9	270.9	269.6	269.6	268.4	268.4	270.9	269.6	269.6	270.9	272.2
65°	240.5	240.5	239.2	238.0	241.8	238.0	241.8	239.2	241.8	243.0	245.6
67.5°	206.3	206.3	206.3	205.1	205.1	207.6	208.9	206.3	207.6	210.1	211.4
70°	176.0	176.0	174.7	174.7	174.7	177.2	178.5	176.0	177.2	178.5	181.0
72.5°	149.4	146.8	146.8	145.6	148.1	148.1	149.4	148.1	149.4	149.4	151.9
75°	122.8	120.3	120.3	120.3	122.8	121.5	122.8	121.5	122.8	122.8	124.1
77.5°	98.7	97.5	96.2	96.2	98.7	98.7	98.7	97.5	98.7	100.0	101.3
80°	77.2	75.9	74.7	74.7	77.2	77.2	77.2	78.5	77.2	78.5	79.7
82.5°	57.0	55.7	54.4	57.0	57.0	57.0	57.0	58.2	57.0	58.2	59.5
85°	38.0	36.7	35.4	38.0	38.0	38.0	38.0	39.2	38.0	39.2	40.5
87.5°	20.3	19.0	19.0	20.3	20.3	20.3	21.5	21.5	21.5	22.8	22.8
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2988.6	2992.4	2991.2	2983.6	2976.0	2967.1	2960.8	2962.0	2974.7	2978.5	2967.1
5°	2863.3	2887.4	2887.4	2903.8	2895.0	2887.4	2892.4	2920.3	2934.2	2955.7	2963.3
7.5°	2734.2	2745.6	2744.3	2760.8	2758.2	2758.2	2762.0	2798.7	2816.5	2834.2	2839.3
10°	2662.0	2673.4	2672.2	2673.4	2669.6	2660.8	2660.8	2677.2	2692.4	2701.3	2703.8
12.5°	2610.1	2616.5	2615.2	2615.2	2612.7	2605.1	2603.8	2617.7	2634.2	2645.6	2646.8
15°	2532.9	2550.6	2554.4	2570.9	2567.1	2557.0	2559.5	2570.9	2581.0	2591.2	2587.4
17.5°	2417.7	2426.6	2427.9	2434.2	2431.7	2431.7	2446.8	2488.6	2516.5	2540.5	2543.1
20°	2351.9	2358.2	2355.7	2369.6	2363.3	2362.0	2365.8	2383.6	2396.2	2407.6	2427.9
22.5°	2320.3	2325.3	2321.5	2322.8	2311.4	2301.3	2298.7	2312.7	2326.6	2341.8	2341.8
25°	2293.7	2297.5	2296.2	2293.7	2284.8	2270.9	2268.4	2270.9	2276.0	2277.2	2268.4
27.5°	2262.0	2264.6	2264.6	2265.8	2254.4	2241.8	2239.3	2236.7	2241.8	2240.5	2226.6
30°	2229.1	2225.3	2226.6	2227.9	2217.7	2206.3	2201.3	2200.0	2205.1	2203.8	2189.9
32.5°	2150.6	2179.8	2182.3	2184.8	2176.0	2165.8	2160.8	2157.0	2159.5	2158.2	2145.6
35°	492.4	501.3	613.9	1389.9	1887.4	2089.9	2111.4	2106.3	2107.6	2107.6	2097.5
37.5°	493.7	492.4	491.1	487.3	483.5	481.0	831.6	1773.4	2054.4	2055.7	2046.8
40°	493.7	492.4	491.1	488.6	483.5	479.7	473.4	468.4	479.7	1055.7	1931.7
42.5°	496.2	493.7	491.1	488.6	483.5	478.5	473.4	467.1	470.9	468.4	462.0
45°	488.6	487.3	487.3	486.1	483.5	478.5	472.2	464.6	460.8	464.6	458.2
47.5°	464.6	465.8	469.6	470.9	470.9	472.2	468.4	463.3	457.0	460.8	453.2
50°	431.6	434.2	435.4	441.8	444.3	449.4	450.6	450.6	449.4	454.4	449.4
52.5°	396.2	398.7	405.1	407.6	410.1	417.7	420.3	424.1	426.6	434.2	439.2
55°	362.0	363.3	365.8	370.9	374.7	381.0	384.8	388.6	394.9	398.7	413.9
57.5°	330.4	331.6	336.7	338.0	340.5	345.6	349.4	354.4	359.5	362.0	379.7
60°	300.0	301.3	305.1	306.3	307.6	312.7	316.5	320.3	324.1	326.6	339.2
62.5°	273.4	273.4	277.2	277.2	278.5	282.3	284.8	287.3	291.1	292.4	298.7
65°	246.8	248.1	250.6	250.6	251.9	254.4	255.7	257.0	260.8	260.8	265.8
67.5°	213.9	215.2	219.0	221.5	222.8	227.8	229.1	230.4	232.9	234.2	236.7
70°	182.3	183.5	187.3	188.6	189.9	193.7	196.2	200.0	203.8	207.6	210.1
72.5°	153.2	154.4	158.2	158.2	162.0	163.3	165.8	167.1	170.9	173.4	177.2
75°	125.3	126.6	130.4	130.4	134.2	135.4	136.7	138.0	140.5	143.0	145.6
77.5°	102.5	102.5	107.6	110.1	112.7	112.7	113.9	113.9	113.9	115.2	117.7
80°	81.0	81.0	84.8	87.3	89.9	89.9	91.1	92.4	93.7	93.7	94.9
82.5°	60.8	60.8	64.6	65.8	68.4	68.4	68.4	69.6	70.9	69.6	72.2
85°	41.8	41.8	44.3	45.6	48.1	48.1	48.1	49.4	50.6	49.4	50.6
87.5°	24.1	25.3	26.6	27.8	29.1	30.4	30.4	30.4	31.6	31.6	32.9
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2954.4	2939.3	2938.0	2920.3	2915.2	2916.5	2902.5	2897.5	2874.7	2869.6	2845.6
5°	2965.8	2973.4	2969.6	2968.4	2972.2	2969.6	2959.5	2954.4	2950.6	2940.5	2920.3
7.5°	2840.5	2845.6	2849.4	2865.8	2879.8	2903.8	2929.1	2945.6	2958.2	2960.8	2944.3
10°	2712.7	2736.7	2753.2	2778.5	2798.7	2812.7	2827.9	2841.8	2878.5	2915.2	2936.7
12.5°	2646.8	2653.2	2651.9	2665.8	2679.8	2716.5	2751.9	2772.2	2800.0	2816.5	2855.7
15°	2591.2	2592.4	2596.2	2606.3	2613.9	2626.6	2643.1	2673.4	2729.1	2754.4	2776.0
17.5°	2540.5	2540.5	2543.1	2551.9	2562.0	2573.4	2583.6	2596.2	2624.1	2665.8	2719.0
20°	2459.5	2494.9	2498.7	2497.5	2502.5	2524.1	2526.6	2549.4	2563.3	2579.8	2631.7
22.5°	2339.3	2360.8	2391.2	2438.0	2455.7	2465.8	2473.4	2483.6	2505.1	2524.1	2545.6
25°	2273.4	2287.4	2296.2	2310.1	2346.8	2406.3	2417.7	2429.1	2443.1	2457.0	2483.6
27.5°	2215.2	2213.9	2220.3	2232.9	2243.0	2274.7	2330.4	2374.7	2377.2	2397.5	2420.3
30°	2173.4	2165.8	2157.0	2154.4	2168.4	2184.8	2201.3	2270.9	2319.0	2329.1	2353.2
32.5°	2134.2	2121.5	2108.9	2098.7	2089.9	2103.8	2113.9	2144.3	2206.3	2264.6	2277.2
35°	2086.1	2073.4	2058.2	2046.8	2032.9	2031.7	2030.4	2059.5	2079.8	2149.4	2210.1
37.5°	2036.7	2022.8	2010.1	1997.5	1983.6	1973.4	1967.1	1974.7	1993.7	2024.1	2125.3
40°	1984.8	1968.4	1955.7	1945.6	1926.6	1919.0	1906.3	1901.3	1902.5	1929.1	1982.3
42.5°	1186.1	1891.1	1897.5	1886.1	1869.6	1859.5	1845.6	1839.2	1826.6	1839.2	1869.6
45°	457.0	462.0	1383.6	1827.9	1807.6	1794.9	1782.3	1776.0	1762.0	1751.9	1779.8
47.5°	448.1	453.2	443.0	627.9	1725.3	1729.1	1713.9	1707.6	1693.7	1686.1	1678.5
50°	441.8	445.6	438.0	440.5	431.6	1581.0	1644.3	1636.7	1621.5	1612.7	1597.5
52.5°	435.4	435.4	430.4	424.1	421.5	422.8	1330.4	1564.6	1546.8	1538.0	1517.7
55°	415.2	417.7	422.8	412.7	410.1	408.9	405.1	1267.1	1464.6	1454.4	1436.7
57.5°	384.8	389.9	403.8	401.3	401.3	391.1	388.6	388.6	1176.0	1369.6	1351.9
60°	349.4	354.4	369.6	374.7	378.5	376.0	373.4	372.2	367.1	1239.2	1262.0
62.5°	312.7	317.7	322.8	339.2	344.3	350.6	358.2	354.4	349.4	349.4	1167.1
65°	273.4	281.0	283.5	298.7	305.1	316.5	322.8	331.6	329.1	327.8	334.2
67.5°	239.2	248.1	249.4	255.7	267.1	272.2	279.7	296.2	303.8	306.3	308.9
70°	210.1	215.2	219.0	221.5	229.1	230.4	244.3	255.7	267.1	279.7	283.5
72.5°	181.0	184.8	192.4	189.9	192.4	197.5	205.1	212.7	224.1	241.8	253.2
75°	148.1	150.6	155.7	158.2	163.3	167.1	172.2	178.5	188.6	197.5	212.7
77.5°	119.0	120.3	124.1	125.3	130.4	134.2	143.0	146.8	153.2	159.5	168.4
80°	96.2	96.2	97.5	97.5	101.3	105.1	111.4	115.2	122.8	127.8	127.8
82.5°	73.4	73.4	77.2	77.2	79.7	79.7	83.5	83.5	87.3	89.9	92.4
85°	51.9	53.2	55.7	54.4	57.0	55.7	58.2	60.8	62.0	60.8	59.5
87.5°	34.2	34.2	36.7	35.4	36.7	36.7	39.2	39.2	40.5	40.5	39.2
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2836.7	2817.7	2806.3	2792.4	2788.6	2784.8	2789.9	2789.9	2782.3	2776.0	2764.6
5°	2902.5	2882.3	2860.8	2838.0	2816.5	2793.7	2784.8	2783.6	2769.6	2762.0	2758.2
7.5°	2936.7	2926.6	2902.5	2870.9	2838.0	2797.5	2779.8	2769.6	2755.7	2753.2	2753.2
10°	2940.5	2929.1	2916.5	2893.7	2855.7	2802.5	2768.4	2748.1	2735.5	2744.3	2760.8
12.5°	2903.8	2925.3	2913.9	2898.7	2868.4	2803.8	2754.4	2724.1	2720.3	2743.1	2786.1
15°	2810.1	2873.4	2905.1	2889.9	2865.8	2801.3	2731.7	2696.2	2696.2	2743.1	2798.7
17.5°	2739.3	2788.6	2865.8	2878.5	2850.6	2796.2	2710.1	2668.4	2679.8	2748.1	2807.6
20°	2681.0	2711.4	2786.1	2857.0	2830.4	2784.8	2678.5	2635.5	2658.2	2740.5	2820.3
22.5°	2589.9	2650.6	2696.2	2801.3	2810.1	2763.3	2646.8	2594.9	2640.5	2740.5	2813.9
25°	2501.3	2574.7	2622.8	2725.3	2779.8	2736.7	2617.7	2551.9	2621.5	2736.7	2808.9
27.5°	2439.3	2473.4	2560.8	2634.2	2734.2	2701.3	2578.5	2505.1	2597.5	2716.5	2779.8
30°	2373.4	2396.2	2482.3	2551.9	2673.4	2660.8	2538.0	2453.2	2567.1	2697.5	2703.8
32.5°	2301.3	2326.6	2370.9	2472.2	2588.6	2622.8	2492.4	2401.3	2534.2	2668.4	2615.2
35°	2227.9	2246.8	2282.3	2391.2	2489.9	2565.8	2436.7	2341.8	2511.4	2624.1	2530.4
37.5°	2154.4	2174.7	2205.1	2296.2	2386.1	2512.7	2388.6	2282.3	2469.6	2545.6	2441.8
40°	2084.8	2096.2	2127.9	2184.8	2300.0	2458.2	2334.2	2220.3	2426.6	2445.6	2321.5
42.5°	1957.0	2013.9	2043.0	2088.6	2202.5	2383.6	2270.9	2154.4	2378.5	2345.6	2201.3
45°	1819.0	1943.0	1955.7	2001.3	2116.5	2303.8	2211.4	2089.9	2332.9	2259.5	2087.4
47.5°	1706.3	1796.2	1869.6	1907.6	2013.9	2210.1	2155.7	2035.5	2264.6	2150.6	1976.0
50°	1606.3	1654.4	1787.4	1815.2	1891.1	2097.5	2089.9	1972.2	2169.6	2013.9	1867.1
52.5°	1508.9	1543.0	1663.3	1722.8	1784.8	1976.0	2011.4	1910.1	2065.8	1877.2	1757.0
55°	1424.1	1435.5	1501.3	1626.6	1682.3	1853.2	1925.3	1838.0	1934.2	1746.8	1650.6
57.5°	1336.7	1326.6	1374.7	1535.5	1576.0	1727.9	1834.2	1764.6	1827.9	1613.9	1540.5
60°	1245.6	1231.7	1251.9	1358.2	1463.3	1603.8	1726.6	1683.6	1698.7	1482.3	1417.7
62.5°	1150.6	1136.7	1130.4	1197.5	1353.2	1476.0	1617.7	1593.7	1540.5	1362.0	1265.8
65°	1051.9	1038.0	1027.9	1054.4	1231.7	1310.1	1496.2	1489.9	1367.1	1235.4	1065.8
67.5°	320.3	944.3	922.8	921.5	1038.0	1159.5	1364.6	1354.4	1192.4	1100.0	917.7
70°	288.6	765.8	813.9	802.5	853.2	1006.3	1213.9	1206.3	1022.8	882.3	811.4
72.5°	264.6	270.9	719.0	706.3	717.7	855.7	1057.0	1036.7	867.1	696.2	701.3
75°	226.6	238.0	248.1	596.2	581.0	708.9	886.1	854.4	715.2	574.7	586.1
77.5°	184.8	198.7	206.3	434.2	469.6	505.1	707.6	665.8	492.4	459.5	219.0
80°	138.0	149.4	162.0	173.4	357.0	353.2	525.3	483.5	343.0	286.1	170.9
82.5°	101.3	105.1	112.7	125.3	141.8	236.7	338.0	297.5	238.0	130.4	117.7
85°	63.3	68.4	72.2	75.9	86.1	141.8	167.1	132.9	100.0	79.7	74.7
87.5°	40.5	40.5	39.2	40.5	41.8	50.6	57.0	54.4	43.0	40.5	40.5
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2751.9	2734.2	2734.2	2729.1	2732.9	2732.9	2731.7	2732.9	2741.8	2746.8	2755.7
5°	2750.6	2745.6	2757.0	2770.9	2787.4	2807.6	2812.7	2830.4	2846.8	2868.4	2891.2
7.5°	2767.1	2784.8	2806.3	2829.1	2862.0	2886.1	2907.6	2929.1	2944.3	2964.6	2977.2
10°	2791.2	2826.6	2863.3	2892.4	2927.9	2948.1	2962.0	2964.6	2943.1	2908.9	2881.0
12.5°	2825.3	2867.1	2901.3	2929.1	2945.6	2938.0	2897.5	2855.7	2831.7	2796.2	2746.8
15°	2854.4	2892.4	2927.9	2916.5	2872.2	2830.4	2798.7	2749.4	2701.3	2668.4	2646.8
17.5°	2867.1	2903.8	2891.2	2831.7	2789.9	2741.8	2677.2	2639.3	2607.6	2582.3	2569.6
20°	2874.7	2868.4	2800.0	2757.0	2676.0	2631.7	2589.9	2554.4	2530.4	2517.7	2515.2
22.5°	2854.4	2777.2	2719.0	2641.8	2582.3	2545.6	2512.7	2483.6	2467.1	2457.0	2450.6
25°	2787.4	2697.5	2611.4	2550.6	2500.0	2468.4	2443.1	2419.0	2398.7	2393.7	2381.0
27.5°	2693.7	2620.3	2506.3	2459.5	2415.2	2400.0	2372.2	2348.1	2330.4	2315.2	2274.7
30°	2616.5	2500.0	2417.7	2374.7	2348.1	2330.4	2298.7	2273.4	2243.0	2187.4	2164.6
32.5°	2521.5	2406.3	2327.9	2303.8	2270.9	2255.7	2220.3	2164.6	2117.7	2094.9	2093.7
35°	2398.7	2303.8	2246.8	2225.3	2198.7	2173.4	2100.0	2049.4	2026.6	2029.1	2048.1
37.5°	2296.2	2211.4	2174.7	2144.3	2113.9	2049.4	1987.4	1963.3	1969.6	1982.3	1991.1
40°	2192.4	2127.9	2086.1	2062.0	1993.7	1930.4	1897.5	1906.3	1917.7	1926.6	1938.0
42.5°	2091.1	2045.6	2003.8	1957.0	1863.3	1829.1	1836.7	1848.1	1858.2	1870.9	1882.3
45°	1994.9	1954.4	1906.3	1800.0	1753.2	1762.0	1773.4	1782.3	1797.5	1806.3	1817.7
47.5°	1903.8	1860.8	1776.0	1682.3	1677.2	1694.9	1705.1	1716.5	1727.9	1705.1	940.5
50°	1801.3	1757.0	1627.9	1592.4	1603.8	1620.3	1632.9	1644.3	1464.6	582.3	448.1
52.5°	1700.0	1587.3	1505.1	1515.2	1526.6	1545.6	1554.4	1154.4	459.5	438.0	439.2
55°	1587.3	1443.0	1419.0	1431.7	1441.8	1460.8	968.4	424.1	421.5	420.3	430.4
57.5°	1410.1	1322.8	1332.9	1345.6	1355.7	957.0	412.7	410.1	411.4	412.7	413.9
60°	1251.9	1232.9	1244.3	1255.7	888.6	398.7	391.1	392.4	397.5	393.7	383.5
62.5°	1126.6	1141.8	1153.2	1010.1	378.5	374.7	378.5	374.7	365.8	359.5	346.8
65°	1030.4	1045.6	1054.4	355.7	354.4	359.5	355.7	343.0	329.1	311.4	307.6
67.5°	929.1	944.3	338.0	329.1	334.2	327.8	312.7	297.5	287.3	272.2	265.8
70°	824.1	353.2	306.3	305.1	296.2	286.1	269.6	254.4	241.8	235.4	229.1
72.5°	594.9	279.7	276.0	265.8	250.6	236.7	222.8	213.9	207.6	203.8	200.0
75°	248.1	243.0	231.6	213.9	198.7	192.4	182.3	176.0	173.4	165.8	163.3
77.5°	207.6	197.5	181.0	168.4	159.5	155.7	148.1	140.5	136.7	135.4	130.4
80°	159.5	145.6	138.0	131.6	129.1	120.3	111.4	107.6	105.1	103.8	100.0
82.5°	108.9	103.8	98.7	89.9	89.9	86.1	82.3	79.7	77.2	77.2	74.7
85°	70.9	67.1	65.8	62.0	62.0	59.5	58.2	57.0	55.7	54.4	53.2
87.5°	40.5	40.5	41.8	40.5	40.5	39.2	38.0	36.7	35.4	35.4	32.9
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2767.1	2779.8	2782.3	2825.3	2849.4	2848.1	2840.5	2863.3	2849.4	2841.8	2849.4
5°	2913.9	2929.1	2941.8	2988.6	3005.1	3012.7	3011.4	3024.1	3013.9	3005.1	3005.1
7.5°	2986.1	2991.2	2996.2	2984.8	2977.2	2964.6	2945.6	2917.7	2903.8	2888.6	2869.6
10°	2867.1	2850.6	2857.0	2834.2	2815.2	2801.3	2783.6	2760.8	2741.8	2727.9	2706.3
12.5°	2721.5	2720.3	2722.8	2726.6	2707.6	2696.2	2682.3	2665.8	2651.9	2636.7	2619.0
15°	2632.9	2634.2	2644.3	2640.5	2634.2	2627.9	2612.7	2607.6	2594.9	2578.5	2568.4
17.5°	2569.6	2576.0	2586.1	2581.0	2570.9	2564.6	2553.2	2541.8	2530.4	2517.7	2502.5
20°	2513.9	2520.3	2526.6	2520.3	2501.3	2492.4	2477.2	2441.8	2416.5	2391.2	2368.4
22.5°	2453.2	2457.0	2451.9	2431.7	2383.6	2360.8	2343.0	2332.9	2311.4	2297.5	2283.6
25°	2377.2	2355.7	2322.8	2300.0	2281.0	2270.9	2263.3	2262.0	2259.5	2257.0	2250.6
27.5°	2253.2	2245.6	2227.9	2219.0	2220.3	2224.1	2225.3	2229.1	2225.3	2220.3	2215.2
30°	2160.8	2164.6	2165.8	2168.4	2174.7	2178.5	2179.8	2184.8	2182.3	2178.5	2176.0
32.5°	2102.5	2111.4	2116.5	2124.1	2127.9	2134.2	2134.2	2141.8	2134.2	2132.9	2130.4
35°	2054.4	2062.0	2064.6	2076.0	2079.8	2086.1	2086.1	2092.4	2086.1	2021.5	1596.2
37.5°	2006.3	2013.9	2019.0	2029.1	2030.4	2034.2	1877.2	1373.4	886.1	686.1	524.1
40°	1949.4	1958.2	1963.3	1967.1	1382.3	877.2	603.8	491.1	491.1	494.9	498.7
42.5°	1888.6	1894.9	1320.3	768.4	478.5	477.2	481.0	484.8	488.6	493.7	498.7
45°	1484.8	749.4	476.0	464.6	468.4	473.4	478.5	483.5	489.9	494.9	497.5
47.5°	487.3	457.0	463.3	458.2	464.6	470.9	476.0	481.0	482.3	483.5	482.3
50°	450.6	450.6	454.4	454.4	459.5	462.0	462.0	462.0	457.0	455.7	451.9
52.5°	435.4	445.6	440.5	443.0	440.5	436.7	432.9	429.1	421.5	419.0	413.9
55°	427.9	431.6	419.0	415.2	410.1	400.0	394.9	389.9	383.5	381.0	374.7
57.5°	410.1	401.3	387.3	381.0	372.2	362.0	357.0	353.2	346.8	344.3	340.5
60°	377.2	359.5	350.6	343.0	332.9	324.1	320.3	317.7	312.7	311.4	307.6
62.5°	336.7	321.5	313.9	303.8	296.2	291.1	287.3	286.1	281.0	281.0	278.5
65°	292.4	284.8	278.5	268.4	264.6	259.5	258.2	257.0	254.4	253.2	250.6
67.5°	257.0	251.9	243.0	238.0	235.4	231.6	229.1	226.6	221.5	219.0	215.2
70°	225.3	221.5	212.7	208.9	203.8	197.5	193.7	191.1	187.3	184.8	181.0
72.5°	194.9	183.5	177.2	173.4	169.6	163.3	162.0	159.5	155.7	154.4	150.6
75°	157.0	148.1	144.3	141.8	138.0	134.2	134.2	134.2	130.4	129.1	127.8
77.5°	125.3	120.3	117.7	115.2	113.9	111.4	107.6	106.3	102.5	102.5	101.3
80°	96.2	93.7	91.1	89.9	88.6	86.1	83.5	82.3	78.5	78.5	77.2
82.5°	70.9	69.6	68.4	67.1	65.8	64.6	60.8	59.5	57.0	57.0	55.7
85°	50.6	49.4	46.8	45.6	45.6	44.3	40.5	39.2	36.7	36.7	36.7
87.5°	31.6	30.4	29.1	27.8	26.6	25.3	22.8	21.5	21.5	19.0	17.7
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2834.2	2855.7	2853.2	2868.4	2872.2	2879.8	2882.3	2883.6	2864.6	2879.8	2881.0
5°	3001.3	3005.1	3007.6	3013.9	3020.3	3021.5	3015.2	3007.6	3010.1	3005.1	2992.4
7.5°	2867.1	2848.1	2844.3	2839.3	2836.7	2834.2	2822.8	2832.9	2821.5	2816.5	2798.7
10°	2702.5	2684.8	2683.6	2683.6	2687.4	2686.1	2683.6	2678.5	2688.6	2682.3	2678.5
12.5°	2616.5	2610.1	2613.9	2611.4	2621.5	2624.1	2621.5	2621.5	2619.0	2613.9	2616.5
15°	2564.6	2559.5	2563.3	2559.5	2567.1	2568.4	2562.0	2565.8	2559.5	2553.2	2550.6
17.5°	2496.2	2484.8	2476.0	2463.3	2464.6	2462.0	2454.4	2454.4	2448.1	2431.7	2432.9
20°	2364.6	2353.2	2348.1	2348.1	2354.4	2357.0	2355.7	2358.2	2351.9	2349.4	2339.3
22.5°	2282.3	2281.0	2283.6	2289.9	2300.0	2313.9	2315.2	2315.2	2315.2	2313.9	2301.3
25°	2253.2	2253.2	2255.7	2264.6	2272.2	2282.3	2284.8	2287.4	2284.8	2284.8	2273.4
27.5°	2220.3	2217.7	2222.8	2231.7	2240.5	2248.1	2254.4	2255.7	2251.9	2251.9	2255.7
30°	2179.8	2178.5	2184.8	2193.7	2201.3	2208.9	2215.2	2220.3	2215.2	2215.2	2211.4
32.5°	2138.0	2138.0	2140.5	2087.4	1935.5	1743.0	1746.8	1635.5	1558.2	1460.8	1589.9
35°	1334.2	970.9	834.2	706.3	616.5	558.2	557.0	538.0	529.1	522.8	521.5
37.5°	503.8	506.3	511.4	513.9	517.7	520.3	521.5	521.5	521.5	521.5	520.3
40°	502.5	507.6	511.4	515.2	519.0	521.5	521.5	522.8	524.1	524.1	524.1
42.5°	503.8	508.9	513.9	517.7	520.3	521.5	522.8	524.1	524.1	524.1	524.1
45°	502.5	505.1	505.1	506.3	506.3	506.3	507.6	507.6	506.3	505.1	507.6
47.5°	483.5	483.5	479.7	478.5	477.2	474.7	476.0	474.7	473.4	472.2	474.7
50°	450.6	445.6	443.0	440.5	439.2	436.7	438.0	436.7	435.4	432.9	436.7
52.5°	411.4	410.1	405.1	402.5	401.3	402.5	400.0	398.7	397.5	396.2	397.5
55°	373.4	368.4	367.1	364.6	363.3	364.6	363.3	362.0	360.8	359.5	360.8
57.5°	339.2	335.4	334.2	331.6	331.6	331.6	331.6	330.4	329.1	327.8	329.1
60°	306.3	303.8	302.5	302.5	301.3	301.3	301.3	300.0	298.7	298.7	300.0
62.5°	278.5	278.5	274.7	273.4	273.4	274.7	273.4	272.2	270.9	269.6	272.2
65°	249.4	244.3	243.0	240.5	238.0	239.2	238.0	236.7	235.4	234.2	236.7
67.5°	213.9	212.7	207.6	205.1	203.8	205.1	203.8	202.5	201.3	200.0	202.5
70°	179.7	179.7	174.7	173.4	172.2	172.2	170.9	170.9	169.6	168.4	170.9
72.5°	149.4	149.4	148.1	145.6	144.3	143.0	141.8	140.5	140.5	141.8	141.8
75°	124.1	121.5	116.5	117.7	116.5	115.2	115.2	113.9	112.7	115.2	113.9
77.5°	97.5	96.2	92.4	93.7	92.4	91.1	91.1	89.9	88.6	89.9	89.9
80°	73.4	73.4	72.2	70.9	70.9	69.6	68.4	68.4	67.1	68.4	68.4
82.5°	53.2	53.2	51.9	50.6	49.4	49.4	48.1	48.1	48.1	48.1	48.1
85°	34.2	32.9	32.9	30.4	30.4	30.4	29.1	29.1	29.1	29.1	29.1
87.5°	16.5	16.5	15.2	15.2	13.9	12.7	12.7	11.4	11.4	12.7	12.7
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2858.2	2874.7	2860.8	2867.1	2868.4	2889.9	2888.6	2893.7	2884.8	2874.7	2860.8
5°	3003.8	2996.2	2986.1	3010.1	2997.5	3012.7	3017.7	3027.9	3027.9	3026.6	3015.2
7.5°	2817.7	2801.3	2813.9	2822.8	2826.6	2816.5	2836.7	2859.5	2878.5	2889.9	2891.2
10°	2672.2	2677.2	2676.0	2679.8	2688.6	2687.4	2700.0	2712.7	2717.7	2725.3	2727.9
12.5°	2603.8	2602.5	2605.1	2613.9	2619.0	2617.7	2630.4	2638.0	2640.5	2641.8	2640.5
15°	2549.4	2540.5	2546.8	2548.1	2551.9	2551.9	2567.1	2578.5	2583.6	2586.1	2583.6
17.5°	2446.8	2425.3	2445.6	2445.6	2459.5	2457.0	2481.0	2500.0	2510.1	2517.7	2517.7
20°	2345.6	2335.5	2343.0	2340.5	2350.6	2349.4	2364.6	2377.2	2386.1	2392.4	2400.0
22.5°	2305.1	2307.6	2296.2	2297.5	2297.5	2296.2	2303.8	2310.1	2312.7	2316.5	2313.9
25°	2278.5	2281.0	2277.2	2270.9	2268.4	2270.9	2274.7	2282.3	2283.6	2281.0	2272.2
27.5°	2251.9	2244.3	2250.6	2239.3	2236.7	2241.8	2246.8	2248.1	2249.4	2249.4	2241.8
30°	2211.4	2205.1	2211.4	2206.3	2201.3	2206.3	2210.1	2210.1	2212.7	2213.9	2205.1
32.5°	1545.6	1558.2	1763.3	1887.4	2062.0	2150.6	2167.1	2167.1	2169.6	2169.6	2162.0
35°	526.6	527.9	570.9	619.0	721.5	848.1	1013.9	1100.0	1391.1	1739.2	2076.0
37.5°	520.3	519.0	517.7	516.5	515.2	513.9	511.4	510.1	517.7	613.9	832.9
40°	522.8	521.5	519.0	517.7	516.5	513.9	512.7	510.1	507.6	505.1	502.5
42.5°	522.8	521.5	520.3	519.0	517.7	516.5	513.9	511.4	508.9	505.1	501.3
45°	505.1	505.1	506.3	506.3	507.6	507.6	507.6	506.3	506.3	505.1	500.0
47.5°	472.2	472.2	476.0	476.0	478.5	481.0	481.0	483.5	487.3	489.9	491.1
50°	434.2	434.2	438.0	439.2	441.8	445.6	449.4	450.6	454.4	459.5	464.6
52.5°	396.2	396.2	400.0	400.0	402.5	406.3	410.1	411.4	416.5	421.5	427.9
55°	360.8	360.8	363.3	364.6	365.8	368.4	372.2	372.2	377.2	381.0	387.3
57.5°	329.1	331.6	331.6	331.6	332.9	335.4	338.0	338.0	341.8	345.6	350.6
60°	298.7	301.3	301.3	301.3	302.5	303.8	306.3	306.3	308.9	311.4	316.5
62.5°	270.9	273.4	273.4	274.7	274.7	276.0	278.5	277.2	279.7	281.0	284.8
65°	235.4	238.0	239.2	240.5	241.8	244.3	248.1	246.8	250.6	253.2	257.0
67.5°	201.3	203.8	203.8	205.1	206.3	208.9	211.4	211.4	215.2	217.7	222.8
70°	169.6	172.2	172.2	173.4	174.7	177.2	179.7	178.5	182.3	184.8	188.6
72.5°	140.5	143.0	143.0	144.3	144.3	146.8	149.4	151.9	151.9	154.4	157.0
75°	113.9	115.2	116.5	116.5	117.7	119.0	121.5	124.1	125.3	126.6	129.1
77.5°	89.9	91.1	92.4	92.4	93.7	94.9	96.2	101.3	103.8	105.1	105.1
80°	68.4	69.6	69.6	69.6	70.9	72.2	74.7	74.7	79.7	79.7	81.0
82.5°	48.1	49.4	49.4	49.4	50.6	53.2	54.4	55.7	58.2	59.5	59.5
85°	29.1	30.4	30.4	30.4	31.6	32.9	35.4	36.7	38.0	38.0	39.2
87.5°	11.4	12.7	13.9	13.9	15.2	16.5	17.7	19.0	20.3	20.3	21.5
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2845.6	2854.4	2845.6	2850.6	2857.0	2845.6	2819.0	2808.9	2805.1	2789.9	2779.8
5°	3003.8	3003.8	3000.0	3010.1	3008.9	2991.2	2963.3	2950.6	2938.0	2921.5	2908.9
7.5°	2891.2	2901.3	2907.6	2946.9	2972.2	2974.7	2992.4	2996.2	3001.3	2996.2	2988.6
10°	2729.1	2725.3	2743.1	2779.8	2801.3	2812.7	2846.8	2863.3	2877.2	2905.1	2934.2
12.5°	2638.0	2643.1	2650.6	2677.2	2697.5	2692.4	2706.3	2717.7	2734.2	2762.0	2803.8
15°	2577.2	2582.3	2589.9	2610.1	2622.8	2616.5	2624.1	2631.7	2643.1	2657.0	2682.3
17.5°	2511.4	2520.3	2529.1	2550.6	2562.0	2560.8	2567.1	2569.6	2573.4	2582.3	2600.0
20°	2408.9	2436.7	2454.4	2483.6	2500.0	2497.5	2508.9	2512.7	2517.7	2526.6	2534.2
22.5°	2315.2	2322.8	2331.7	2363.3	2391.2	2425.3	2432.9	2443.1	2455.7	2464.6	2472.2
25°	2262.0	2257.0	2260.8	2282.3	2297.5	2300.0	2311.4	2344.3	2378.5	2393.7	2411.4
27.5°	2230.4	2225.3	2224.1	2234.2	2236.7	2230.4	2227.9	2238.0	2263.3	2288.6	2341.8
30°	2196.2	2189.9	2184.8	2193.7	2197.5	2188.6	2172.2	2163.3	2178.5	2184.8	2206.3
32.5°	2155.7	2149.4	2146.8	2151.9	2154.4	2146.8	2129.1	2119.0	2116.5	2111.4	2116.5
35°	2110.1	2103.8	2100.0	2101.3	2106.3	2100.0	2084.8	2072.2	2065.8	2051.9	2041.8
37.5°	1087.3	1540.5	2000.0	2048.1	2053.2	2051.9	2036.7	2022.8	2016.5	2000.0	1994.9
40°	497.5	555.7	834.2	1089.9	1572.2	1997.5	1983.6	1969.6	1958.2	1953.2	1934.2
42.5°	496.2	497.5	498.7	492.4	610.1	1039.2	1534.2	1915.2	1907.6	1894.9	1881.0
45°	496.2	489.9	494.9	487.3	489.9	488.6	608.9	982.3	1748.1	1826.6	1820.3
47.5°	491.1	487.3	492.4	486.1	478.5	482.3	477.2	483.5	754.4	1279.8	1753.2
50°	468.4	470.9	479.7	478.5	472.2	477.2	468.4	476.0	469.6	515.2	992.4
52.5°	434.2	439.2	448.1	455.7	458.2	464.6	462.0	464.6	459.5	460.8	462.0
55°	393.7	400.0	407.6	419.0	424.1	434.2	441.8	445.6	451.9	450.6	440.5
57.5°	355.7	362.0	368.4	379.7	391.1	396.2	410.1	417.7	434.2	430.4	427.9
60°	320.3	325.3	331.6	334.2	348.1	357.0	369.6	377.2	398.7	403.8	411.4
62.5°	288.6	291.1	296.2	300.0	308.9	317.7	324.1	336.7	348.1	364.6	376.0
65°	259.5	262.0	265.8	268.4	269.6	282.3	286.1	300.0	303.8	321.5	331.6
67.5°	226.6	231.6	236.7	239.2	241.8	249.4	251.9	258.2	267.1	274.7	287.3
70°	192.4	196.2	201.3	205.1	210.1	215.2	222.8	226.6	232.9	238.0	248.1
72.5°	160.8	164.6	167.1	170.9	174.7	178.5	184.8	193.7	198.7	207.6	210.1
75°	130.4	134.2	136.7	139.2	143.0	145.6	148.1	157.0	162.0	169.6	177.2
77.5°	107.6	107.6	110.1	117.7	116.5	116.5	119.0	124.1	127.8	132.9	140.5
80°	83.5	84.8	86.1	92.4	93.7	94.9	93.7	97.5	101.3	102.5	107.6
82.5°	62.0	63.3	63.3	67.1	70.9	70.9	70.9	72.2	75.9	77.2	79.7
85°	41.8	43.0	44.3	45.6	48.1	49.4	50.6	50.6	53.2	54.4	55.7
87.5°	22.8	25.3	26.6	27.8	29.1	30.4	31.6	32.9	34.2	35.4	36.7
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0	2762.0
2.5°	2776.0	2769.6	2765.8	2755.7	2753.2	2736.7	2739.3	2736.7	2736.7	2740.5	2753.2
5°	2895.0	2864.6	2857.0	2835.5	2817.7	2787.4	2768.4	2758.2	2743.1	2736.7	2745.6
7.5°	2976.0	2953.2	2934.2	2915.2	2889.9	2854.4	2827.9	2797.5	2772.2	2748.1	2741.8
10°	2962.0	2987.4	2987.4	2976.0	2951.9	2916.5	2884.8	2846.8	2802.5	2764.6	2741.8
12.5°	2844.3	2888.6	2924.1	2950.6	2974.7	2950.6	2919.0	2888.6	2839.3	2783.6	2741.8
15°	2715.2	2760.8	2805.1	2860.8	2919.0	2943.1	2941.8	2906.3	2862.0	2803.8	2745.6
17.5°	2624.1	2655.7	2679.8	2740.5	2811.4	2873.4	2915.2	2917.7	2874.7	2822.8	2746.8
20°	2555.7	2578.5	2598.7	2632.9	2695.0	2770.9	2848.1	2891.2	2883.6	2826.6	2750.6
22.5°	2493.7	2510.1	2526.6	2551.9	2601.3	2650.6	2740.5	2829.1	2867.1	2820.3	2746.8
25°	2431.7	2449.4	2462.0	2479.8	2519.0	2559.5	2622.8	2732.9	2817.7	2815.2	2739.3
27.5°	2358.2	2382.3	2397.5	2421.5	2448.1	2478.5	2521.5	2625.3	2746.8	2789.9	2719.0
30°	2269.6	2305.1	2327.9	2354.4	2377.2	2403.8	2438.0	2501.3	2651.9	2740.5	2697.5
32.5°	2141.8	2205.1	2255.7	2281.0	2306.3	2329.1	2359.5	2412.7	2535.5	2673.4	2673.4
35°	2050.6	2079.8	2125.3	2198.7	2230.4	2253.2	2281.0	2322.8	2401.3	2593.7	2634.2
37.5°	1979.8	1991.1	2013.9	2086.1	2145.6	2182.3	2210.1	2236.7	2313.9	2484.8	2583.6
40°	1926.6	1922.8	1920.3	1954.4	2039.3	2097.5	2129.1	2155.7	2215.2	2354.4	2516.5
42.5°	1864.6	1860.8	1848.1	1857.0	1898.7	1996.2	2044.3	2073.4	2122.8	2217.7	2443.1
45°	1800.0	1793.7	1788.6	1779.8	1794.9	1849.4	1948.1	1991.1	2019.0	2103.8	2350.6
47.5°	1734.2	1725.3	1719.0	1711.4	1702.5	1727.9	1821.5	1898.7	1946.8	2000.0	2239.3
50°	1640.5	1651.9	1644.3	1635.5	1627.9	1622.8	1662.0	1788.6	1848.1	1891.1	2103.8
52.5°	773.4	1503.8	1567.1	1558.2	1548.1	1539.2	1548.1	1644.3	1751.9	1786.1	1940.5
55°	440.5	669.6	1393.7	1473.4	1464.6	1451.9	1444.3	1477.2	1638.0	1683.6	1791.1
57.5°	424.1	425.3	615.2	1327.9	1377.2	1365.8	1357.0	1364.6	1501.3	1578.5	1660.8
60°	410.1	410.1	410.1	587.3	1269.6	1273.4	1262.0	1249.4	1308.9	1460.8	1529.1
62.5°	379.7	387.3	391.1	391.1	579.7	1176.0	1164.6	1160.8	1163.3	1319.0	1397.5
65°	340.5	358.2	365.8	370.9	370.9	608.9	1064.6	1058.2	1049.4	1108.9	1264.6
67.5°	297.5	315.2	331.6	341.8	343.0	354.4	635.4	953.2	940.5	941.8	1122.8
70°	253.2	268.4	286.1	301.3	315.2	321.5	331.6	791.1	832.9	815.2	962.0
72.5°	219.0	225.3	238.0	253.2	269.6	284.8	293.7	315.2	722.8	703.8	731.6
75°	182.3	187.3	196.2	206.3	219.0	236.7	251.9	267.1	383.5	589.9	586.1
77.5°	141.8	150.6	160.8	167.1	173.4	186.1	206.3	221.5	236.7	398.7	469.6
80°	108.9	115.2	120.3	126.6	134.2	143.0	150.6	168.4	186.1	200.0	359.5
82.5°	81.0	84.8	88.6	91.1	93.7	98.7	112.7	119.0	130.4	143.0	169.6
85°	57.0	59.5	62.0	63.3	64.6	65.8	70.9	72.2	83.5	86.1	102.5
87.5°	36.7	38.0	40.5	41.8	41.8	43.0	44.3	44.3	44.3	41.8	50.6
90°	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-LD5-57SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2762.0	2762.0
2.5°	2763.3	2783.6
5°	2759.5	2786.1
7.5°	2749.4	2774.7
10°	2734.2	2764.6
12.5°	2717.7	2746.8
15°	2703.8	2725.3
17.5°	2688.6	2701.3
20°	2668.4	2678.5
22.5°	2648.1	2643.1
25°	2625.3	2613.9
27.5°	2596.2	2574.7
30°	2569.6	2531.7
32.5°	2544.3	2482.3
35°	2510.1	2431.7
37.5°	2474.7	2379.8
40°	2432.9	2320.3
42.5°	2388.6	2260.8
45°	2332.9	2203.8
47.5°	2283.6	2135.5
50°	2215.2	2062.0
52.5°	2131.7	1993.7
55°	2032.9	1910.1
57.5°	1926.6	1822.8
60°	1812.7	1722.8
62.5°	1674.7	1619.0
65°	1512.7	1500.0
67.5°	1301.3	1368.4
70°	1067.1	1217.7
72.5°	892.4	1058.2
75°	731.6	879.8
77.5°	579.7	689.9
80°	362.0	505.1
82.5°	243.0	331.6
85°	146.8	158.2
87.5°	57.0	58.2
90°	0.0	0.0

(END OF REPORT)