

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-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (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-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

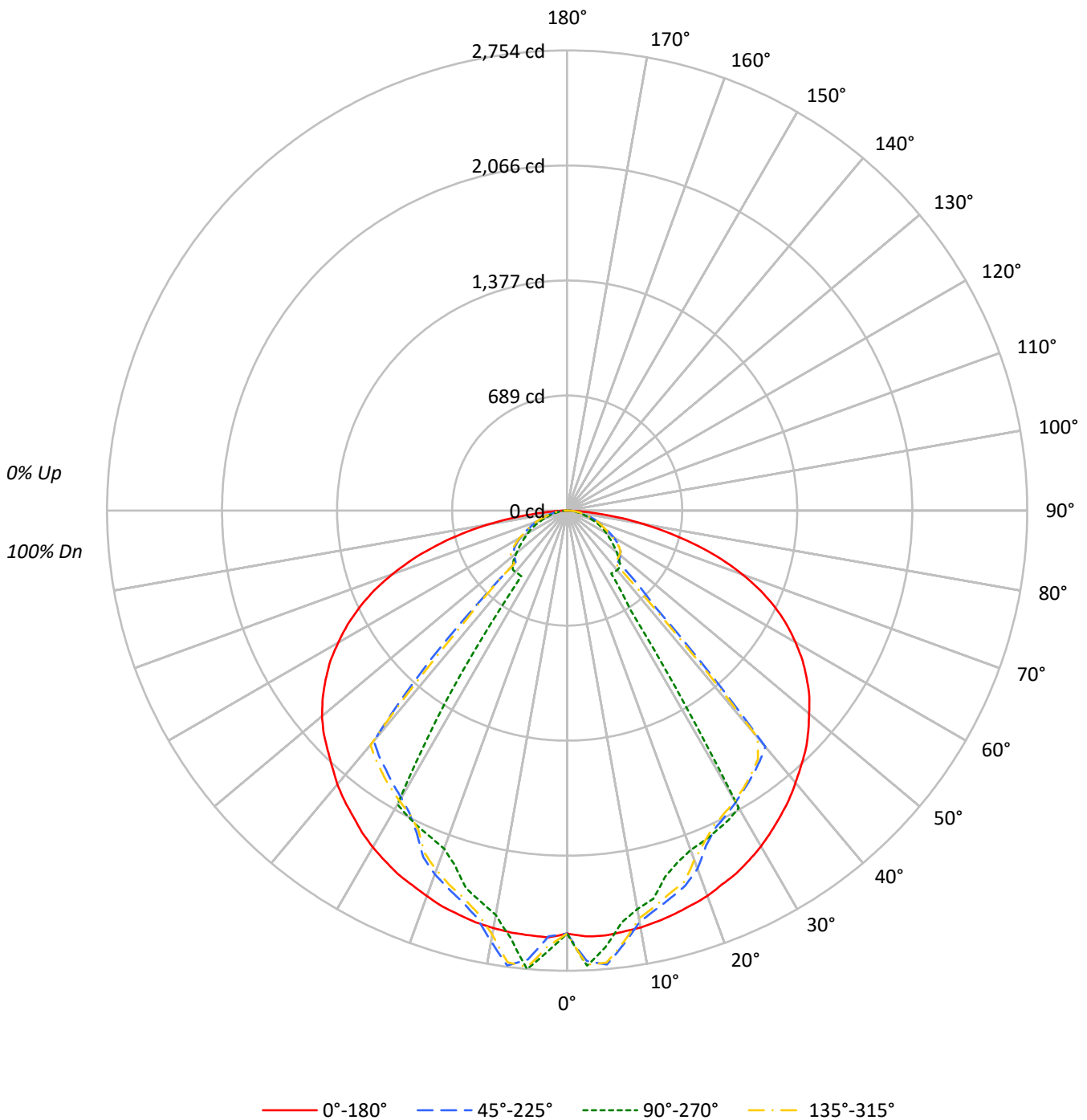
Lumens per Lamp: N/A
Luminaire Lumens: 5069.0 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	10228	10228	10228	10228
5°	10342	10305	10337	10815
10°	10366	9317	10381	9459
15°	10404	8620	10429	8893
20°	10496	8176	10496	8145
25°	10603	8020	10618	7945
30°	10728	7878	10755	7785
35°	10873	1794	10896	1871
40°	11071	1866	11137	1927
45°	11363	1855	11403	1923
50°	11662	1678	11819	1723
55°	12063	1490	12159	1511
60°	12423	1324	12450	1341
65°	12717	1155	12685	1137
70°	12641	931	12602	897
75°	11894	717	11979	687
80°	9894	509	10290	466
85°	5704	305	6022	234



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.1	4.9
10°-20°	684.8	13.5
20°-30°	1014.3	20.0
30°-40°	1022.0	20.2
40°-50°	798.3	15.7
50°-60°	616.6	12.2
60°-70°	414.0	8.2
70°-80°	211.2	4.2
80°-90°	58.8	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°	1948.1	38.4
0°-40°	2970.1	58.6
0°-60°	4385.0	86.5
0°-90°	5069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5069.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2531	2531	2531	2531	2531	
5°	2553	2624	2552	2754	2553	243
15°	2498	2268	2504	2340	2498	706
25°	2396	2114	2399	2094	2396	1105
35°	2228	459	2233	479	2228	1397
45°	2020	447	2027	463	2020	1557
55°	1751	325	1764	330	1751	1563
65°	1375	218	1371	215	1375	1352
75°	806	110	812	106	806	843
85°	145	35	153	27	145	199
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2551.0	2560.3	2567.3	2571.9	2574.3	2574.3	2575.4	2576.6	2591.7	2598.6	2603.3
5°	2553.4	2562.7	2576.6	2595.1	2611.4	2625.3	2636.9	2653.1	2669.4	2686.8	2692.6
7.5°	2542.9	2554.5	2582.4	2616.0	2647.3	2669.4	2684.5	2694.9	2703.0	2704.2	2710.0
10°	2533.6	2554.5	2592.8	2636.9	2676.3	2703.0	2703.0	2697.2	2705.3	2674.0	2642.7
12.5°	2517.4	2540.6	2592.8	2650.8	2687.9	2698.4	2693.7	2670.5	2623.0	2584.7	2567.3
15°	2497.7	2529.0	2594.0	2658.9	2690.3	2693.7	2649.7	2590.5	2554.5	2531.3	2502.3
17.5°	2475.6	2517.4	2595.1	2660.1	2671.7	2655.5	2571.9	2534.8	2497.7	2443.2	2403.7
20°	2454.8	2495.4	2585.9	2643.9	2650.8	2577.7	2512.8	2473.3	2410.7	2363.1	2345.7
22.5°	2422.3	2469.8	2577.7	2621.8	2595.1	2510.4	2447.8	2385.2	2328.3	2314.4	2293.5
25°	2395.6	2445.5	2559.2	2595.1	2524.4	2449.0	2375.9	2302.8	2276.1	2256.4	2237.8
27.5°	2359.6	2421.1	2534.8	2546.4	2449.0	2382.8	2276.1	2243.6	2219.3	2197.2	2189.1
30°	2320.2	2395.6	2501.2	2479.1	2386.3	2288.9	2210.0	2179.8	2162.4	2139.2	2129.9
32.5°	2274.9	2357.3	2464.0	2401.4	2319.0	2197.2	2146.2	2123.0	2099.8	2082.4	2024.4
35°	2228.5	2323.7	2420.0	2327.2	2237.8	2127.6	2082.4	2061.5	2039.4	1975.6	1915.3
37.5°	2181.0	2286.5	2366.6	2247.1	2129.9	2055.7	2017.4	1994.2	1944.3	1863.1	1833.0
40°	2126.5	2241.3	2298.1	2164.7	2036.0	1982.6	1946.6	1923.4	1810.9	1774.9	1765.7
42.5°	2071.9	2197.2	2214.6	2084.7	1958.2	1904.9	1874.7	1798.1	1721.6	1703.0	1706.5
45°	2019.7	2149.7	2123.0	1971.0	1877.0	1833.0	1781.9	1676.3	1635.7	1645.0	1647.3
47.5°	1957.1	2092.8	2026.7	1857.3	1793.5	1749.4	1635.7	1571.9	1566.1	1578.9	1585.9
50°	1889.8	2029.0	1924.6	1754.1	1703.0	1650.8	1522.0	1489.6	1496.5	1509.3	1517.4
52.5°	1827.2	1957.1	1819.0	1657.8	1613.7	1494.2	1407.2	1413.0	1424.6	1439.7	1444.3
55°	1750.6	1870.1	1706.5	1560.3	1518.6	1362.0	1322.5	1336.4	1348.0	1360.8	1370.1
57.5°	1670.5	1770.3	1573.1	1451.3	1384.0	1244.8	1248.3	1257.5	1265.7	1280.7	529.0
60°	1578.9	1656.6	1426.9	1350.4	1216.9	1152.0	1155.5	1171.7	1179.8	658.9	364.3
62.5°	1483.8	1524.4	1294.7	1235.5	1063.8	1059.2	1075.4	1082.4	736.7	348.0	341.1
65°	1374.7	1366.6	1164.7	1070.8	959.4	964.0	981.4	946.6	326.0	326.0	323.7
67.5°	1254.1	1205.3	1038.3	886.3	858.5	868.9	887.5	309.7	301.6	303.9	295.8
70°	1116.0	1047.6	907.2	750.6	759.9	770.3	299.3	280.7	277.3	271.5	255.2
72.5°	969.8	875.9	742.5	652.0	657.8	413.0	262.2	252.9	241.3	229.7	212.3
75°	806.3	684.5	545.2	545.2	553.4	235.5	228.5	213.5	200.7	185.6	175.2
77.5°	632.3	526.7	423.4	439.7	214.6	197.2	184.5	168.2	157.8	148.5	142.7
80°	462.9	367.8	319.0	285.4	167.1	149.7	136.9	127.6	123.0	117.2	110.2
82.5°	303.9	221.6	221.6	134.6	117.2	103.2	99.8	92.8	88.2	84.7	81.2
85°	145.0	128.8	97.4	82.4	73.1	66.1	63.8	60.3	60.3	59.2	58.0
87.5°	53.4	58.0	42.9	41.8	39.4	38.3	39.4	39.4	40.6	39.4	38.3
90°	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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2614.9	2624.1	2631.1	2642.7	2657.8	2670.5	2682.1	2698.4	2723.9	2730.9	2736.7
5°	2692.6	2696.1	2704.2	2713.5	2715.8	2721.6	2720.4	2727.4	2730.9	2739.0	2721.6
7.5°	2697.2	2678.7	2656.6	2636.9	2623.0	2610.2	2602.1	2614.9	2621.8	2627.6	2610.2
10°	2599.8	2577.7	2565.0	2553.4	2539.4	2519.7	2493.0	2498.8	2496.5	2496.5	2490.7
12.5°	2538.3	2507.0	2474.5	2445.5	2432.7	2431.6	2432.7	2445.5	2445.5	2444.3	2437.4
15°	2442.0	2411.8	2395.6	2388.6	2388.6	2385.2	2385.2	2399.1	2395.6	2395.6	2392.1
17.5°	2378.2	2357.3	2345.7	2337.6	2334.1	2339.9	2346.9	2352.7	2353.8	2349.2	2330.6
20°	2326.0	2306.3	2292.3	2294.7	2293.5	2297.0	2300.5	2280.7	2256.4	2223.9	2208.8
22.5°	2271.5	2256.4	2245.9	2245.9	2232.0	2210.0	2177.5	2170.5	2167.1	2152.0	2139.2
25°	2219.3	2201.9	2186.8	2140.4	2111.4	2114.9	2109.1	2097.5	2096.3	2095.1	2099.8
27.5°	2167.1	2121.8	2063.8	2056.8	2045.2	2044.1	2051.0	2056.8	2056.8	2061.5	2067.3
30°	2059.2	2007.0	1996.5	1983.8	1988.4	2004.6	2008.1	2016.2	2018.6	2026.7	2031.3
32.5°	1960.6	1937.4	1928.1	1933.9	1949.0	1962.9	1971.0	1974.5	1980.3	1987.2	1993.0
35°	1880.5	1873.6	1881.7	1894.4	1909.5	1921.1	1928.1	1935.0	1940.8	1946.6	1951.3
37.5°	1821.3	1826.0	1837.6	1853.8	1868.9	1878.2	1884.0	1892.1	1900.2	1907.2	1879.4
40°	1765.7	1777.3	1790.0	1807.4	1820.2	1829.5	1835.3	1845.7	1776.1	803.9	440.8
42.5°	1716.9	1729.7	1739.0	1752.9	1766.8	1773.8	1722.7	769.1	435.0	432.7	438.5
45°	1657.8	1668.2	1683.3	1693.7	1706.5	1120.7	428.1	432.7	425.8	430.4	432.7
47.5°	1597.5	1613.7	1621.8	1547.6	460.6	425.8	421.1	425.8	421.1	426.9	423.4
50°	1529.0	1548.7	1102.1	416.5	413.0	410.7	415.3	413.0	416.5	421.1	411.8
52.5°	1459.4	903.7	403.7	401.4	403.7	401.4	409.5	403.7	404.9	400.2	388.6
55°	494.2	391.0	387.5	386.3	393.3	393.3	393.3	384.0	378.2	366.6	358.5
57.5°	378.2	378.2	377.0	378.2	375.9	373.6	363.1	355.0	346.9	330.6	326.0
60°	358.5	358.5	358.5	358.5	348.0	343.4	327.1	320.2	306.3	298.1	293.5
62.5°	342.2	339.9	329.5	326.0	314.4	301.6	292.3	285.4	271.5	266.8	263.3
65°	319.0	310.9	298.1	284.2	278.4	264.5	259.9	249.4	242.5	239.0	236.7
67.5°	280.7	269.1	258.7	249.4	239.0	234.3	228.5	220.4	215.8	213.5	211.1
70°	240.1	232.0	221.6	215.8	208.8	205.3	197.2	194.9	191.4	187.9	184.5
72.5°	200.7	196.1	191.4	183.3	181.0	178.7	170.5	165.9	161.3	156.6	154.3
75°	168.2	164.7	162.4	155.5	152.0	145.0	139.2	135.7	132.3	128.8	126.5
77.5°	138.1	135.7	128.8	124.1	121.8	116.0	113.7	114.8	112.5	107.9	105.6
80°	107.9	105.6	99.8	99.8	97.4	95.1	92.8	90.5	88.2	84.7	82.4
82.5°	82.4	80.0	77.7	75.4	73.1	71.9	70.8	68.4	66.1	63.8	62.6
85°	58.0	56.8	55.7	54.5	53.4	52.2	51.0	48.7	46.4	45.2	44.1
87.5°	39.4	38.3	37.1	36.0	34.8	33.6	32.5	31.3	29.0	27.8	26.7
90°	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°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2736.7	2742.5	2736.7	2723.9	2715.8	2712.3	2719.3	2719.3	2723.9	2729.7	2730.9
5°	2693.7	2679.8	2663.6	2647.3	2639.2	2634.6	2621.8	2624.1	2627.6	2629.9	2632.3
7.5°	2587.0	2568.5	2546.4	2525.5	2517.4	2510.4	2495.4	2495.4	2495.4	2496.5	2503.5
10°	2478.0	2469.8	2460.6	2446.6	2436.2	2432.7	2420.0	2423.4	2421.1	2424.6	2432.7
12.5°	2426.9	2417.6	2409.5	2395.6	2384.0	2379.4	2373.6	2377.0	2375.9	2381.7	2388.6
15°	2380.5	2375.9	2366.6	2356.2	2345.7	2336.4	2315.6	2308.6	2303.9	2298.1	2306.3
17.5°	2303.9	2271.5	2249.4	2233.2	2221.6	2213.5	2207.7	2207.7	2211.1	2214.6	2221.6
20°	2199.5	2190.3	2179.8	2162.4	2150.8	2146.2	2142.7	2142.7	2148.5	2153.1	2165.9
22.5°	2127.6	2126.5	2123.0	2114.9	2109.1	2109.1	2110.2	2112.5	2120.7	2127.6	2140.4
25°	2094.0	2098.6	2096.3	2091.7	2088.2	2089.3	2087.0	2089.3	2097.5	2104.4	2114.9
27.5°	2067.3	2074.3	2071.9	2065.0	2059.2	2061.5	2065.0	2062.6	2069.6	2077.7	2085.9
30°	2031.3	2032.5	2037.1	2029.0	2026.7	2030.2	2031.3	2033.6	2040.6	2046.4	2053.4
32.5°	1990.7	2000.0	1998.8	1990.7	1990.7	1994.2	1995.4	1917.6	1772.6	1526.7	1459.4
35°	1951.3	1961.7	1944.3	1639.2	1134.6	605.6	467.5	451.3	454.8	457.1	459.4
37.5°	1443.2	684.5	436.2	439.7	443.2	446.6	450.1	453.6	457.1	460.6	461.7
40°	433.9	432.7	436.2	440.8	444.3	446.6	451.3	454.8	458.2	461.7	462.9
42.5°	429.2	431.6	435.0	439.7	444.3	449.0	452.4	457.1	459.4	461.7	462.9
45°	426.9	431.6	436.2	439.7	443.2	445.5	447.8	449.0	447.8	447.8	450.1
47.5°	423.4	428.1	429.2	428.1	429.2	428.1	428.1	428.1	424.6	423.4	423.4
50°	410.7	410.7	408.4	403.7	402.6	401.4	399.1	397.9	393.3	392.1	392.1
52.5°	384.0	382.8	379.4	373.6	371.2	368.9	367.8	366.6	361.9	359.6	360.8
55°	352.7	350.3	346.9	339.9	338.7	336.4	335.3	334.1	329.5	331.8	328.3
57.5°	323.7	319.0	314.4	313.2	308.6	307.4	306.3	305.1	301.6	302.8	300.5
60°	288.9	287.7	285.4	280.7	280.7	279.6	279.6	277.3	274.9	273.8	273.8
62.5°	263.3	259.9	257.5	257.5	254.1	254.1	254.1	251.7	249.4	250.6	249.4
65°	235.5	234.3	233.2	230.9	230.9	229.7	229.7	227.4	223.9	225.1	222.7
67.5°	212.3	210.0	207.7	206.5	201.9	199.5	198.4	197.2	192.6	193.7	191.4
70°	183.3	179.8	177.5	175.2	171.7	169.4	169.4	167.1	163.6	164.7	162.4
72.5°	153.1	150.8	148.5	147.3	143.9	142.7	141.5	140.4	136.9	138.1	136.9
75°	127.6	127.6	126.5	125.3	121.8	118.3	116.0	114.8	112.5	113.7	111.4
77.5°	105.6	103.2	100.9	100.9	97.4	95.1	92.8	92.8	92.8	91.6	90.5
80°	82.4	80.0	80.0	78.9	76.6	74.2	73.1	73.1	71.9	71.9	70.8
82.5°	62.6	60.3	59.2	59.2	56.8	55.7	54.5	53.4	53.4	53.4	52.2
85°	44.1	41.8	40.6	40.6	38.3	37.1	37.1	36.0	36.0	34.8	34.8
87.5°	26.7	25.5	24.4	24.4	22.0	20.9	20.9	20.9	19.7	19.7	18.6
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2730.9	2730.9	2722.7	2725.1	2721.6	2726.2	2720.4	2720.4	2727.4	2727.4	2732.0
5°	2633.4	2627.6	2626.5	2624.1	2612.5	2617.2	2611.4	2605.6	2613.7	2613.7	2624.1
7.5°	2500.0	2489.6	2494.2	2487.2	2480.3	2469.8	2473.3	2468.7	2474.5	2482.6	2493.0
10°	2431.6	2422.3	2428.1	2421.1	2424.6	2409.5	2410.7	2411.8	2417.6	2420.0	2429.2
12.5°	2387.5	2385.2	2382.8	2380.5	2382.8	2374.7	2370.1	2371.2	2373.6	2374.7	2381.7
15°	2294.7	2279.6	2284.2	2268.0	2269.1	2270.3	2261.0	2270.3	2269.1	2284.2	2298.1
17.5°	2219.3	2219.3	2211.1	2204.2	2199.5	2198.4	2191.4	2196.1	2191.4	2200.7	2204.2
20°	2167.1	2165.9	2164.7	2161.3	2149.7	2150.8	2154.3	2143.9	2142.7	2141.5	2148.5
22.5°	2142.7	2143.9	2139.2	2139.2	2128.8	2131.1	2132.3	2120.7	2121.8	2118.3	2121.8
25°	2117.2	2119.5	2113.7	2113.7	2111.4	2110.2	2104.4	2106.7	2099.8	2094.0	2099.8
27.5°	2087.0	2091.7	2087.0	2089.3	2084.7	2082.4	2078.9	2076.6	2069.6	2068.5	2071.9
30°	2059.2	2061.5	2060.3	2054.5	2053.4	2046.4	2049.9	2042.9	2036.0	2037.1	2039.4
32.5°	1055.7	1008.1	777.3	701.9	694.9	720.4	853.8	1039.4	1346.9	1645.0	1859.6
35°	460.6	460.6	460.6	459.4	459.4	458.2	457.1	455.9	454.8	453.6	452.4
37.5°	462.9	462.9	462.9	462.9	461.7	460.6	460.6	458.2	457.1	455.9	454.8
40°	464.0	465.2	465.2	465.2	464.0	464.0	462.9	460.6	459.4	457.1	454.8
42.5°	462.9	464.0	464.0	462.9	462.9	461.7	461.7	460.6	459.4	458.2	457.1
45°	447.8	449.0	446.6	446.6	445.5	445.5	445.5	445.5	445.5	446.6	446.6
47.5°	421.1	421.1	420.0	418.8	418.8	417.6	418.8	417.6	420.0	421.1	423.4
50°	389.8	389.8	387.5	386.3	386.3	386.3	386.3	387.5	388.6	391.0	393.3
52.5°	357.3	357.3	356.1	355.0	353.8	353.8	357.3	356.1	357.3	358.5	361.9
55°	326.0	327.1	324.8	324.8	323.7	323.7	323.7	324.8	326.0	327.1	330.6
57.5°	299.3	299.3	297.0	297.0	297.0	295.8	299.3	297.0	298.1	299.3	301.6
60°	272.6	271.5	271.5	270.3	270.3	270.3	272.6	271.5	271.5	272.6	274.9
62.5°	248.3	248.3	247.1	247.1	245.9	245.9	248.3	247.1	247.1	248.3	249.4
65°	220.4	220.4	219.3	218.1	221.6	218.1	221.6	219.3	221.6	222.7	225.1
67.5°	189.1	189.1	189.1	187.9	187.9	190.3	191.4	189.1	190.3	192.6	193.7
70°	161.3	161.3	160.1	160.1	160.1	162.4	163.6	161.3	162.4	163.6	165.9
72.5°	136.9	134.6	134.6	133.4	135.7	135.7	136.9	135.7	136.9	136.9	139.2
75°	112.5	110.2	110.2	110.2	112.5	111.4	112.5	111.4	112.5	112.5	113.7
77.5°	90.5	89.3	88.2	88.2	90.5	90.5	90.5	89.3	90.5	91.6	92.8
80°	70.8	69.6	68.4	68.4	70.8	70.8	70.8	71.9	70.8	71.9	73.1
82.5°	52.2	51.0	49.9	52.2	52.2	52.2	52.2	53.4	52.2	53.4	54.5
85°	34.8	33.6	32.5	34.8	34.8	34.8	34.8	36.0	34.8	36.0	37.1
87.5°	18.6	17.4	17.4	18.6	18.6	18.6	19.7	19.7	19.7	20.9	20.9
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2739.0	2742.5	2741.3	2734.3	2727.4	2719.3	2713.5	2714.6	2726.2	2729.7	2719.3
5°	2624.1	2646.2	2646.2	2661.3	2653.1	2646.2	2650.8	2676.3	2689.1	2708.8	2715.8
7.5°	2505.8	2516.2	2515.1	2530.2	2527.8	2527.8	2531.3	2565.0	2581.2	2597.5	2602.1
10°	2439.7	2450.1	2449.0	2450.1	2446.6	2438.5	2438.5	2453.6	2467.5	2475.6	2478.0
12.5°	2392.1	2397.9	2396.8	2396.8	2394.4	2387.5	2386.3	2399.1	2414.2	2424.6	2425.8
15°	2321.4	2337.6	2341.1	2356.2	2352.7	2343.4	2345.7	2356.2	2365.4	2374.7	2371.2
17.5°	2215.8	2223.9	2225.1	2230.9	2228.5	2228.5	2242.5	2280.7	2306.3	2328.3	2330.6
20°	2155.5	2161.3	2158.9	2171.7	2165.9	2164.7	2168.2	2184.5	2196.1	2206.5	2225.1
22.5°	2126.5	2131.1	2127.6	2128.8	2118.3	2109.1	2106.7	2119.5	2132.3	2146.2	2146.2
25°	2102.1	2105.6	2104.4	2102.1	2094.0	2081.2	2078.9	2081.2	2085.9	2087.0	2078.9
27.5°	2073.1	2075.4	2075.4	2076.6	2066.1	2054.5	2052.2	2049.9	2054.5	2053.4	2040.6
30°	2042.9	2039.4	2040.6	2041.8	2032.5	2022.0	2017.4	2016.2	2020.9	2019.7	2007.0
32.5°	1971.0	1997.7	2000.0	2002.3	1994.2	1984.9	1980.3	1976.8	1979.1	1978.0	1966.4
35°	451.3	459.4	562.6	1273.8	1729.7	1915.3	1935.0	1930.4	1931.6	1931.6	1922.3
37.5°	452.4	451.3	450.1	446.6	443.2	440.8	762.2	1625.3	1882.8	1884.0	1875.9
40°	452.4	451.3	450.1	447.8	443.2	439.7	433.9	429.2	439.7	967.5	1770.3
42.5°	454.8	452.4	450.1	447.8	443.2	438.5	433.9	428.1	431.6	429.2	423.4
45°	447.8	446.6	446.6	445.5	443.2	438.5	432.7	425.8	422.3	425.8	420.0
47.5°	425.8	426.9	430.4	431.6	431.6	432.7	429.2	424.6	418.8	422.3	415.3
50°	395.6	397.9	399.1	404.9	407.2	411.8	413.0	413.0	411.8	416.5	411.8
52.5°	363.1	365.4	371.2	373.6	375.9	382.8	385.2	388.6	391.0	397.9	402.6
55°	331.8	332.9	335.3	339.9	343.4	349.2	352.7	356.1	361.9	365.4	379.4
57.5°	302.8	303.9	308.6	309.7	312.1	316.7	320.2	324.8	329.5	331.8	348.0
60°	274.9	276.1	279.6	280.7	281.9	286.5	290.0	293.5	297.0	299.3	310.9
62.5°	250.6	250.6	254.1	254.1	255.2	258.7	261.0	263.3	266.8	268.0	273.8
65°	226.2	227.4	229.7	229.7	230.9	233.2	234.3	235.5	239.0	239.0	243.6
67.5°	196.1	197.2	200.7	203.0	204.2	208.8	210.0	211.1	213.5	214.6	216.9
70°	167.1	168.2	171.7	172.9	174.0	177.5	179.8	183.3	186.8	190.3	192.6
72.5°	140.4	141.5	145.0	145.0	148.5	149.7	152.0	153.1	156.6	158.9	162.4
75°	114.8	116.0	119.5	119.5	123.0	124.1	125.3	126.5	128.8	131.1	133.4
77.5°	94.0	94.0	98.6	100.9	103.2	103.2	104.4	104.4	104.4	105.6	107.9
80°	74.2	74.2	77.7	80.0	82.4	82.4	83.5	84.7	85.8	85.8	87.0
82.5°	55.7	55.7	59.2	60.3	62.6	62.6	62.6	63.8	65.0	63.8	66.1
85°	38.3	38.3	40.6	41.8	44.1	44.1	44.1	45.2	46.4	45.2	46.4
87.5°	22.0	23.2	24.4	25.5	26.7	27.8	27.8	27.8	29.0	29.0	30.2
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2707.7	2693.7	2692.6	2676.3	2671.7	2672.9	2660.1	2655.5	2634.6	2629.9	2607.9
5°	2718.1	2725.1	2721.6	2720.4	2723.9	2721.6	2712.3	2707.7	2704.2	2694.9	2676.3
7.5°	2603.3	2607.9	2611.4	2626.5	2639.2	2661.3	2684.5	2699.5	2711.1	2713.5	2698.4
10°	2486.1	2508.1	2523.2	2546.4	2565.0	2577.7	2591.7	2604.4	2638.1	2671.7	2691.4
12.5°	2425.8	2431.6	2430.4	2443.2	2455.9	2489.6	2522.0	2540.6	2566.1	2581.2	2617.2
15°	2374.7	2375.9	2379.4	2388.6	2395.6	2407.2	2422.3	2450.1	2501.2	2524.4	2544.1
17.5°	2328.3	2328.3	2330.6	2338.8	2348.0	2358.5	2367.8	2379.4	2404.9	2443.2	2491.9
20°	2254.1	2286.5	2290.0	2288.9	2293.5	2313.2	2315.6	2336.4	2349.2	2364.3	2411.8
22.5°	2143.9	2163.6	2191.4	2234.3	2250.6	2259.9	2266.8	2276.1	2295.8	2313.2	2333.0
25°	2083.5	2096.3	2104.4	2117.2	2150.8	2205.3	2215.8	2226.2	2239.0	2251.7	2276.1
27.5°	2030.2	2029.0	2034.8	2046.4	2055.7	2084.7	2135.7	2176.3	2178.7	2197.2	2218.1
30°	1991.9	1984.9	1976.8	1974.5	1987.2	2002.3	2017.4	2081.2	2125.3	2134.6	2156.6
32.5°	1955.9	1944.3	1932.7	1923.4	1915.3	1928.1	1937.4	1965.2	2022.0	2075.4	2087.0
35°	1911.8	1900.2	1886.3	1875.9	1863.1	1862.0	1860.8	1887.5	1906.0	1969.8	2025.5
37.5°	1866.6	1853.8	1842.2	1830.6	1817.9	1808.6	1802.8	1809.7	1827.2	1855.0	1947.8
40°	1819.0	1803.9	1792.3	1783.1	1765.7	1758.7	1747.1	1742.5	1743.6	1768.0	1816.7
42.5°	1087.0	1733.2	1739.0	1728.5	1713.5	1704.2	1691.4	1685.6	1674.0	1685.6	1713.5
45°	418.8	423.4	1268.0	1675.2	1656.6	1645.0	1633.4	1627.6	1614.9	1605.6	1631.1
47.5°	410.7	415.3	406.0	575.4	1581.2	1584.7	1570.8	1565.0	1552.2	1545.2	1538.3
50°	404.9	408.4	401.4	403.7	395.6	1449.0	1507.0	1500.0	1486.1	1478.0	1464.0
52.5°	399.1	399.1	394.4	388.6	386.3	387.5	1219.3	1433.9	1417.6	1409.5	1391.0
55°	380.5	382.8	387.5	378.2	375.9	374.7	371.2	1161.3	1342.2	1332.9	1316.7
57.5°	352.7	357.3	370.1	367.8	367.8	358.5	356.1	356.1	1077.7	1255.2	1239.0
60°	320.2	324.8	338.7	343.4	346.9	344.5	342.2	341.1	336.4	1135.7	1156.6
62.5°	286.5	291.2	295.8	310.9	315.5	321.3	328.3	324.8	320.2	320.2	1069.6
65°	250.6	257.5	259.9	273.8	279.6	290.0	295.8	303.9	301.6	300.5	306.3
67.5°	219.3	227.4	228.5	234.3	244.8	249.4	256.4	271.5	278.4	280.7	283.1
70°	192.6	197.2	200.7	203.0	210.0	211.1	223.9	234.3	244.8	256.4	259.9
72.5°	165.9	169.4	176.3	174.0	176.3	181.0	187.9	194.9	205.3	221.6	232.0
75°	135.7	138.1	142.7	145.0	149.7	153.1	157.8	163.6	172.9	181.0	194.9
77.5°	109.0	110.2	113.7	114.8	119.5	123.0	131.1	134.6	140.4	146.2	154.3
80°	88.2	88.2	89.3	89.3	92.8	96.3	102.1	105.6	112.5	117.2	117.2
82.5°	67.3	67.3	70.8	70.8	73.1	73.1	76.6	76.6	80.0	82.4	84.7
85°	47.6	48.7	51.0	49.9	52.2	51.0	53.4	55.7	56.8	55.7	54.5
87.5°	31.3	31.3	33.6	32.5	33.6	33.6	36.0	36.0	37.1	37.1	36.0
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2599.8	2582.4	2571.9	2559.2	2555.7	2552.2	2556.9	2556.9	2549.9	2544.1	2533.6
5°	2660.1	2641.5	2621.8	2600.9	2581.2	2560.3	2552.2	2551.0	2538.3	2531.3	2527.8
7.5°	2691.4	2682.1	2660.1	2631.1	2600.9	2563.8	2547.6	2538.3	2525.5	2523.2	2523.2
10°	2694.9	2684.5	2672.9	2652.0	2617.2	2568.5	2537.1	2518.6	2507.0	2515.1	2530.2
12.5°	2661.3	2681.0	2670.5	2656.6	2628.8	2569.6	2524.4	2496.5	2493.0	2513.9	2553.4
15°	2575.4	2633.4	2662.4	2648.5	2626.5	2567.3	2503.5	2471.0	2471.0	2513.9	2565.0
17.5°	2510.4	2555.7	2626.5	2638.1	2612.5	2562.7	2483.8	2445.5	2455.9	2518.6	2573.1
20°	2457.1	2484.9	2553.4	2618.3	2594.0	2552.2	2454.8	2415.3	2436.2	2511.6	2584.7
22.5°	2373.6	2429.2	2471.0	2567.3	2575.4	2532.5	2425.8	2378.2	2420.0	2511.6	2578.9
25°	2292.3	2359.6	2403.7	2497.7	2547.6	2508.1	2399.1	2338.8	2402.6	2508.1	2574.3
27.5°	2235.5	2266.8	2346.9	2414.2	2505.8	2475.6	2363.1	2295.8	2380.5	2489.6	2547.6
30°	2175.2	2196.1	2274.9	2338.8	2450.1	2438.5	2326.0	2248.3	2352.7	2472.2	2478.0
32.5°	2109.1	2132.3	2172.9	2265.7	2372.4	2403.7	2284.2	2200.7	2322.5	2445.5	2396.8
35°	2041.8	2059.2	2091.7	2191.4	2281.9	2351.5	2233.2	2146.2	2301.6	2404.9	2319.0
37.5°	1974.5	1993.0	2020.9	2104.4	2186.8	2302.8	2189.1	2091.7	2263.3	2333.0	2237.8
40°	1910.7	1921.1	1950.1	2002.3	2107.9	2252.9	2139.2	2034.8	2223.9	2241.3	2127.6
42.5°	1793.5	1845.7	1872.4	1914.2	2018.6	2184.5	2081.2	1974.5	2179.8	2149.7	2017.4
45°	1667.1	1780.7	1792.3	1834.1	1939.7	2111.4	2026.7	1915.3	2138.1	2070.8	1913.0
47.5°	1563.8	1646.2	1713.5	1748.3	1845.7	2025.5	1975.6	1865.4	2075.4	1971.0	1810.9
50°	1472.2	1516.2	1638.1	1663.6	1733.2	1922.3	1915.3	1807.4	1988.4	1845.7	1711.1
52.5°	1382.8	1414.2	1524.4	1578.9	1635.7	1810.9	1843.4	1750.6	1893.3	1720.4	1610.2
55°	1305.1	1315.5	1375.9	1490.7	1541.8	1698.4	1764.5	1684.5	1772.6	1600.9	1512.8
57.5°	1225.1	1215.8	1259.9	1407.2	1444.3	1583.5	1681.0	1617.2	1675.2	1479.1	1411.8
60°	1141.5	1128.8	1147.3	1244.8	1341.1	1469.8	1582.4	1542.9	1556.8	1358.5	1299.3
62.5°	1054.5	1041.8	1036.0	1097.5	1240.1	1352.7	1482.6	1460.6	1411.8	1248.3	1160.1
65°	964.0	951.3	942.0	966.4	1128.8	1200.7	1371.2	1365.4	1252.9	1132.3	976.8
67.5°	293.5	865.4	845.7	844.5	951.3	1062.6	1250.6	1241.3	1092.8	1008.1	841.1
70°	264.5	701.9	745.9	735.5	781.9	922.3	1112.5	1105.6	937.4	808.6	743.6
72.5°	242.5	248.3	658.9	647.3	657.8	784.2	968.7	950.1	794.7	638.1	642.7
75°	207.7	218.1	227.4	546.4	532.5	649.7	812.1	783.1	655.5	526.7	537.1
77.5°	169.4	182.1	189.1	397.9	430.4	462.9	648.5	610.2	451.3	421.1	200.7
80°	126.5	136.9	148.5	158.9	327.1	323.7	481.4	443.2	314.4	262.2	156.6
82.5°	92.8	96.3	103.2	114.8	129.9	216.9	309.7	272.6	218.1	119.5	107.9
85°	58.0	62.6	66.1	69.6	78.9	129.9	153.1	121.8	91.6	73.1	68.4
87.5°	37.1	37.1	36.0	37.1	38.3	46.4	52.2	49.9	39.4	37.1	37.1
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2522.0	2505.8	2505.8	2501.2	2504.6	2504.6	2503.5	2504.6	2512.8	2517.4	2525.5
5°	2520.9	2516.2	2526.7	2539.4	2554.5	2573.1	2577.7	2594.0	2609.1	2628.8	2649.7
7.5°	2536.0	2552.2	2571.9	2592.8	2623.0	2645.0	2664.7	2684.5	2698.4	2716.9	2728.5
10°	2558.0	2590.5	2624.1	2650.8	2683.3	2701.9	2714.6	2716.9	2697.2	2665.9	2640.4
12.5°	2589.3	2627.6	2658.9	2684.5	2699.5	2692.6	2655.5	2617.2	2595.1	2562.7	2517.4
15°	2616.0	2650.8	2683.3	2672.9	2632.3	2594.0	2565.0	2519.7	2475.6	2445.5	2425.8
17.5°	2627.6	2661.3	2649.7	2595.1	2556.9	2512.8	2453.6	2418.8	2389.8	2366.6	2355.0
20°	2634.6	2628.8	2566.1	2526.7	2452.4	2411.8	2373.6	2341.1	2319.0	2307.4	2305.1
22.5°	2616.0	2545.2	2491.9	2421.1	2366.6	2333.0	2302.8	2276.1	2261.0	2251.7	2245.9
25°	2554.5	2472.2	2393.3	2337.6	2291.2	2262.2	2239.0	2216.9	2198.4	2193.7	2182.1
27.5°	2468.7	2401.4	2297.0	2254.1	2213.5	2199.5	2174.0	2152.0	2135.7	2121.8	2084.7
30°	2397.9	2291.2	2215.8	2176.3	2152.0	2135.7	2106.7	2083.5	2055.7	2004.6	1983.8
32.5°	2310.9	2205.3	2133.4	2111.4	2081.2	2067.3	2034.8	1983.8	1940.8	1920.0	1918.8
35°	2198.4	2111.4	2059.2	2039.4	2015.1	1991.9	1924.6	1878.2	1857.3	1859.6	1877.0
37.5°	2104.4	2026.7	1993.0	1965.2	1937.4	1878.2	1821.3	1799.3	1805.1	1816.7	1824.8
40°	2009.3	1950.1	1911.8	1889.8	1827.2	1769.1	1739.0	1747.1	1757.5	1765.7	1776.1
42.5°	1916.5	1874.7	1836.4	1793.5	1707.7	1676.3	1683.3	1693.7	1703.0	1714.6	1725.1
45°	1828.3	1791.2	1747.1	1649.7	1606.7	1614.9	1625.3	1633.4	1647.3	1655.5	1665.9
47.5°	1744.8	1705.3	1627.6	1541.8	1537.1	1553.4	1562.6	1573.1	1583.5	1562.6	862.0
50°	1650.8	1610.2	1491.9	1459.4	1469.8	1484.9	1496.5	1507.0	1342.2	533.6	410.7
52.5°	1558.0	1454.8	1379.4	1388.6	1399.1	1416.5	1424.6	1058.0	421.1	401.4	402.6
55°	1454.8	1322.5	1300.5	1312.1	1321.3	1338.8	887.5	388.6	386.3	385.2	394.4
57.5°	1292.3	1212.3	1221.6	1233.2	1242.5	877.0	378.2	375.9	377.0	378.2	379.4
60°	1147.3	1129.9	1140.4	1150.8	814.4	365.4	358.5	359.6	364.3	360.8	351.5
62.5°	1032.5	1046.4	1056.8	925.8	346.9	343.4	346.9	343.4	335.3	329.5	317.9
65°	944.3	958.2	966.4	326.0	324.8	329.5	326.0	314.4	301.6	285.4	281.9
67.5°	851.5	865.4	309.7	301.6	306.3	300.5	286.5	272.6	263.3	249.4	243.6
70°	755.2	323.7	280.7	279.6	271.5	262.2	247.1	233.2	221.6	215.8	210.0
72.5°	545.2	256.4	252.9	243.6	229.7	216.9	204.2	196.1	190.3	186.8	183.3
75°	227.4	222.7	212.3	196.1	182.1	176.3	167.1	161.3	158.9	152.0	149.7
77.5°	190.3	181.0	165.9	154.3	146.2	142.7	135.7	128.8	125.3	124.1	119.5
80°	146.2	133.4	126.5	120.6	118.3	110.2	102.1	98.6	96.3	95.1	91.6
82.5°	99.8	95.1	90.5	82.4	82.4	78.9	75.4	73.1	70.8	70.8	68.4
85°	65.0	61.5	60.3	56.8	56.8	54.5	53.4	52.2	51.0	49.9	48.7
87.5°	37.1	37.1	38.3	37.1	37.1	36.0	34.8	33.6	32.5	32.5	30.2
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2536.0	2547.6	2549.9	2589.3	2611.4	2610.2	2603.3	2624.1	2611.4	2604.4	2611.4
5°	2670.5	2684.5	2696.1	2739.0	2754.1	2761.0	2759.9	2771.5	2762.2	2754.1	2754.1
7.5°	2736.7	2741.3	2745.9	2735.5	2728.5	2716.9	2699.5	2674.0	2661.3	2647.3	2629.9
10°	2627.6	2612.5	2618.3	2597.5	2580.1	2567.3	2551.0	2530.2	2512.8	2500.0	2480.3
12.5°	2494.2	2493.0	2495.4	2498.8	2481.4	2471.0	2458.2	2443.2	2430.4	2416.5	2400.2
15°	2413.0	2414.2	2423.4	2420.0	2414.2	2408.4	2394.4	2389.8	2378.2	2363.1	2353.8
17.5°	2355.0	2360.8	2370.1	2365.4	2356.2	2350.4	2339.9	2329.5	2319.0	2307.4	2293.5
20°	2303.9	2309.7	2315.6	2309.7	2292.3	2284.2	2270.3	2237.8	2214.6	2191.4	2170.5
22.5°	2248.3	2251.7	2247.1	2228.5	2184.5	2163.6	2147.3	2138.1	2118.3	2105.6	2092.8
25°	2178.7	2158.9	2128.8	2107.9	2090.5	2081.2	2074.3	2073.1	2070.8	2068.5	2062.6
27.5°	2065.0	2058.0	2041.8	2033.6	2034.8	2038.3	2039.4	2042.9	2039.4	2034.8	2030.2
30°	1980.3	1983.8	1984.9	1987.2	1993.0	1996.5	1997.7	2002.3	2000.0	1996.5	1994.2
32.5°	1926.9	1935.0	1939.7	1946.6	1950.1	1955.9	1955.9	1962.9	1955.9	1954.8	1952.4
35°	1882.8	1889.8	1892.1	1902.6	1906.0	1911.8	1911.8	1917.6	1911.8	1852.7	1462.9
37.5°	1838.8	1845.7	1850.4	1859.6	1860.8	1864.3	1720.4	1258.7	812.1	628.8	480.3
40°	1786.5	1794.7	1799.3	1802.8	1266.8	803.9	553.4	450.1	450.1	453.6	457.1
42.5°	1730.9	1736.7	1210.0	704.2	438.5	437.4	440.8	444.3	447.8	452.4	457.1
45°	1360.8	686.8	436.2	425.8	429.2	433.9	438.5	443.2	449.0	453.6	455.9
47.5°	446.6	418.8	424.6	420.0	425.8	431.6	436.2	440.8	442.0	443.2	442.0
50°	413.0	413.0	416.5	416.5	421.1	423.4	423.4	423.4	418.8	417.6	414.2
52.5°	399.1	408.4	403.7	406.0	403.7	400.2	396.8	393.3	386.3	384.0	379.4
55°	392.1	395.6	384.0	380.5	375.9	366.6	361.9	357.3	351.5	349.2	343.4
57.5°	375.9	367.8	355.0	349.2	341.1	331.8	327.1	323.7	317.9	315.5	312.1
60°	345.7	329.5	321.3	314.4	305.1	297.0	293.5	291.2	286.5	285.4	281.9
62.5°	308.6	294.7	287.7	278.4	271.5	266.8	263.3	262.2	257.5	257.5	255.2
65°	268.0	261.0	255.2	245.9	242.5	237.8	236.7	235.5	233.2	232.0	229.7
67.5°	235.5	230.9	222.7	218.1	215.8	212.3	210.0	207.7	203.0	200.7	197.2
70°	206.5	203.0	194.9	191.4	186.8	181.0	177.5	175.2	171.7	169.4	165.9
72.5°	178.7	168.2	162.4	158.9	155.5	149.7	148.5	146.2	142.7	141.5	138.1
75°	143.9	135.7	132.3	129.9	126.5	123.0	123.0	123.0	119.5	118.3	117.2
77.5°	114.8	110.2	107.9	105.6	104.4	102.1	98.6	97.4	94.0	94.0	92.8
80°	88.2	85.8	83.5	82.4	81.2	78.9	76.6	75.4	71.9	71.9	70.8
82.5°	65.0	63.8	62.6	61.5	60.3	59.2	55.7	54.5	52.2	52.2	51.0
85°	46.4	45.2	42.9	41.8	41.8	40.6	37.1	36.0	33.6	33.6	33.6
87.5°	29.0	27.8	26.7	25.5	24.4	23.2	20.9	19.7	19.7	17.4	16.2
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2597.5	2617.2	2614.9	2628.8	2632.3	2639.2	2641.5	2642.7	2625.3	2639.2	2640.4
5°	2750.6	2754.1	2756.4	2762.2	2768.0	2769.1	2763.3	2756.4	2758.7	2754.1	2742.5
7.5°	2627.6	2610.2	2606.7	2602.1	2599.8	2597.5	2587.0	2596.3	2585.9	2581.2	2565.0
10°	2476.8	2460.6	2459.4	2459.4	2462.9	2461.7	2459.4	2454.8	2464.0	2458.2	2454.8
12.5°	2397.9	2392.1	2395.6	2393.3	2402.6	2404.9	2402.6	2402.6	2400.2	2395.6	2397.9
15°	2350.4	2345.7	2349.2	2345.7	2352.7	2353.8	2348.0	2351.5	2345.7	2339.9	2337.6
17.5°	2287.7	2277.3	2269.1	2257.5	2258.7	2256.4	2249.4	2249.4	2243.6	2228.5	2229.7
20°	2167.1	2156.6	2152.0	2152.0	2157.8	2160.1	2158.9	2161.3	2155.5	2153.1	2143.9
22.5°	2091.7	2090.5	2092.8	2098.6	2107.9	2120.7	2121.8	2121.8	2121.8	2120.7	2109.1
25°	2065.0	2065.0	2067.3	2075.4	2082.4	2091.7	2094.0	2096.3	2094.0	2094.0	2083.5
27.5°	2034.8	2032.5	2037.1	2045.2	2053.4	2060.3	2066.1	2067.3	2063.8	2063.8	2067.3
30°	1997.7	1996.5	2002.3	2010.4	2017.4	2024.4	2030.2	2034.8	2030.2	2030.2	2026.7
32.5°	1959.4	1959.4	1961.7	1913.0	1773.8	1597.5	1600.9	1498.8	1428.1	1338.8	1457.1
35°	1222.7	889.8	764.5	647.3	565.0	511.6	510.4	493.0	484.9	479.1	478.0
37.5°	461.7	464.0	468.7	471.0	474.5	476.8	478.0	478.0	478.0	478.0	476.8
40°	460.6	465.2	468.7	472.2	475.6	478.0	478.0	479.1	480.3	480.3	480.3
42.5°	461.7	466.4	471.0	474.5	476.8	478.0	479.1	480.3	480.3	480.3	480.3
45°	460.6	462.9	462.9	464.0	464.0	464.0	465.2	465.2	464.0	462.9	465.2
47.5°	443.2	443.2	439.7	438.5	437.4	435.0	436.2	435.0	433.9	432.7	435.0
50°	413.0	408.4	406.0	403.7	402.6	400.2	401.4	400.2	399.1	396.8	400.2
52.5°	377.0	375.9	371.2	368.9	367.8	368.9	366.6	365.4	364.3	363.1	364.3
55°	342.2	337.6	336.4	334.1	332.9	334.1	332.9	331.8	330.6	329.5	330.6
57.5°	310.9	307.4	306.3	303.9	303.9	303.9	303.9	302.8	301.6	300.5	301.6
60°	280.7	278.4	277.3	277.3	276.1	276.1	276.1	274.9	273.8	273.8	274.9
62.5°	255.2	255.2	251.7	250.6	250.6	251.7	250.6	249.4	248.3	247.1	249.4
65°	228.5	223.9	222.7	220.4	218.1	219.3	218.1	216.9	215.8	214.6	216.9
67.5°	196.1	194.9	190.3	187.9	186.8	187.9	186.8	185.6	184.5	183.3	185.6
70°	164.7	164.7	160.1	158.9	157.8	157.8	156.6	156.6	155.5	154.3	156.6
72.5°	136.9	136.9	135.7	133.4	132.3	131.1	129.9	128.8	128.8	129.9	129.9
75°	113.7	111.4	106.7	107.9	106.7	105.6	105.6	104.4	103.2	105.6	104.4
77.5°	89.3	88.2	84.7	85.8	84.7	83.5	83.5	82.4	81.2	82.4	82.4
80°	67.3	67.3	66.1	65.0	65.0	63.8	62.6	62.6	61.5	62.6	62.6
82.5°	48.7	48.7	47.6	46.4	45.2	45.2	44.1	44.1	44.1	44.1	44.1
85°	31.3	30.2	30.2	27.8	27.8	27.8	26.7	26.7	26.7	26.7	26.7
87.5°	15.1	15.1	13.9	13.9	12.8	11.6	11.6	10.4	10.4	11.6	11.6
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2619.5	2634.6	2621.8	2627.6	2628.8	2648.5	2647.3	2652.0	2643.9	2634.6	2621.8
5°	2752.9	2745.9	2736.7	2758.7	2747.1	2761.0	2765.7	2774.9	2774.9	2773.8	2763.3
7.5°	2582.4	2567.3	2578.9	2587.0	2590.5	2581.2	2599.8	2620.7	2638.1	2648.5	2649.7
10°	2449.0	2453.6	2452.4	2455.9	2464.0	2462.9	2474.5	2486.1	2490.7	2497.7	2500.0
12.5°	2386.3	2385.2	2387.5	2395.6	2400.2	2399.1	2410.7	2417.6	2420.0	2421.1	2420.0
15°	2336.4	2328.3	2334.1	2335.3	2338.8	2338.8	2352.7	2363.1	2367.8	2370.1	2367.8
17.5°	2242.5	2222.7	2241.3	2241.3	2254.1	2251.7	2273.8	2291.2	2300.5	2307.4	2307.4
20°	2149.7	2140.4	2147.3	2145.0	2154.3	2153.1	2167.1	2178.7	2186.8	2192.6	2199.5
22.5°	2112.5	2114.9	2104.4	2105.6	2105.6	2104.4	2111.4	2117.2	2119.5	2123.0	2120.7
25°	2088.2	2090.5	2087.0	2081.2	2078.9	2081.2	2084.7	2091.7	2092.8	2090.5	2082.4
27.5°	2063.8	2056.8	2062.6	2052.2	2049.9	2054.5	2059.2	2060.3	2061.5	2061.5	2054.5
30°	2026.7	2020.9	2026.7	2022.0	2017.4	2022.0	2025.5	2025.5	2027.8	2029.0	2020.9
32.5°	1416.5	1428.1	1616.0	1729.7	1889.8	1971.0	1986.1	1986.1	1988.4	1988.4	1981.4
35°	482.6	483.8	523.2	567.3	661.3	777.3	929.2	1008.1	1274.9	1594.0	1902.6
37.5°	476.8	475.6	474.5	473.3	472.2	471.0	468.7	467.5	474.5	562.6	763.3
40°	479.1	478.0	475.6	474.5	473.3	471.0	469.8	467.5	465.2	462.9	460.6
42.5°	479.1	478.0	476.8	475.6	474.5	473.3	471.0	468.7	466.4	462.9	459.4
45°	462.9	462.9	464.0	464.0	465.2	465.2	465.2	464.0	464.0	462.9	458.2
47.5°	432.7	432.7	436.2	436.2	438.5	440.8	440.8	443.2	446.6	449.0	450.1
50°	397.9	397.9	401.4	402.6	404.9	408.4	411.8	413.0	416.5	421.1	425.8
52.5°	363.1	363.1	366.6	366.6	368.9	372.4	375.9	377.0	381.7	386.3	392.1
55°	330.6	330.6	332.9	334.1	335.3	337.6	341.1	341.1	345.7	349.2	355.0
57.5°	301.6	303.9	303.9	303.9	305.1	307.4	309.7	309.7	313.2	316.7	321.3
60°	273.8	276.1	276.1	276.1	277.3	278.4	280.7	280.7	283.1	285.4	290.0
62.5°	248.3	250.6	250.6	251.7	251.7	252.9	255.2	254.1	256.4	257.5	261.0
65°	215.8	218.1	219.3	220.4	221.6	223.9	227.4	226.2	229.7	232.0	235.5
67.5°	184.5	186.8	186.8	187.9	189.1	191.4	193.7	193.7	197.2	199.5	204.2
70°	155.5	157.8	157.8	158.9	160.1	162.4	164.7	163.6	167.1	169.4	172.9
72.5°	128.8	131.1	131.1	132.3	132.3	134.6	136.9	139.2	139.2	141.5	143.9
75°	104.4	105.6	106.7	106.7	107.9	109.0	111.4	113.7	114.8	116.0	118.3
77.5°	82.4	83.5	84.7	84.7	85.8	87.0	88.2	92.8	95.1	96.3	96.3
80°	62.6	63.8	63.8	63.8	65.0	66.1	68.4	68.4	73.1	73.1	74.2
82.5°	44.1	45.2	45.2	45.2	46.4	48.7	49.9	51.0	53.4	54.5	54.5
85°	26.7	27.8	27.8	27.8	29.0	30.2	32.5	33.6	34.8	34.8	36.0
87.5°	10.4	11.6	12.8	12.8	13.9	15.1	16.2	17.4	18.6	18.6	19.7
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2607.9	2616.0	2607.9	2612.5	2618.3	2607.9	2583.5	2574.3	2570.8	2556.9	2547.6
5°	2752.9	2752.9	2749.4	2758.7	2757.5	2741.3	2715.8	2704.2	2692.6	2677.5	2665.9
7.5°	2649.7	2658.9	2664.7	2700.7	2723.9	2726.2	2742.5	2745.9	2750.6	2745.9	2739.0
10°	2501.2	2497.7	2513.9	2547.6	2567.3	2577.7	2609.1	2624.1	2636.9	2662.4	2689.1
12.5°	2417.6	2422.3	2429.2	2453.6	2472.2	2467.5	2480.3	2490.7	2505.8	2531.3	2569.6
15°	2362.0	2366.6	2373.6	2392.1	2403.7	2397.9	2404.9	2411.8	2422.3	2435.0	2458.2
17.5°	2301.6	2309.7	2317.9	2337.6	2348.0	2346.9	2352.7	2355.0	2358.5	2366.6	2382.8
20°	2207.7	2233.2	2249.4	2276.1	2291.2	2288.9	2299.3	2302.8	2307.4	2315.6	2322.5
22.5°	2121.8	2128.8	2136.9	2165.9	2191.4	2222.7	2229.7	2239.0	2250.6	2258.7	2265.7
25°	2073.1	2068.5	2071.9	2091.7	2105.6	2107.9	2118.3	2148.5	2179.8	2193.7	2210.0
27.5°	2044.1	2039.4	2038.3	2047.6	2049.9	2044.1	2041.8	2051.0	2074.3	2097.5	2146.2
30°	2012.8	2007.0	2002.3	2010.4	2013.9	2005.8	1990.7	1982.6	1996.5	2002.3	2022.0
32.5°	1975.6	1969.8	1967.5	1972.2	1974.5	1967.5	1951.3	1942.0	1939.7	1935.0	1939.7
35°	1933.9	1928.1	1924.6	1925.8	1930.4	1924.6	1910.7	1899.1	1893.3	1880.5	1871.2
37.5°	996.5	1411.8	1833.0	1877.0	1881.7	1880.5	1866.6	1853.8	1848.0	1833.0	1828.3
40°	455.9	509.3	764.5	998.8	1440.8	1830.6	1817.9	1805.1	1794.7	1790.0	1772.6
42.5°	454.8	455.9	457.1	451.3	559.2	952.4	1406.0	1755.2	1748.3	1736.7	1723.9
45°	454.8	449.0	453.6	446.6	449.0	447.8	558.0	900.2	1602.1	1674.0	1668.2
47.5°	450.1	446.6	451.3	445.5	438.5	442.0	437.4	443.2	691.4	1172.9	1606.7
50°	429.2	431.6	439.7	438.5	432.7	437.4	429.2	436.2	430.4	472.2	909.5
52.5°	397.9	402.6	410.7	417.6	420.0	425.8	423.4	425.8	421.1	422.3	423.4
55°	360.8	366.6	373.6	384.0	388.6	397.9	404.9	408.4	414.2	413.0	403.7
57.5°	326.0	331.8	337.6	348.0	358.5	363.1	375.9	382.8	397.9	394.4	392.1
60°	293.5	298.1	303.9	306.3	319.0	327.1	338.7	345.7	365.4	370.1	377.0
62.5°	264.5	266.8	271.5	274.9	283.1	291.2	297.0	308.6	319.0	334.1	344.5
65°	237.8	240.1	243.6	245.9	247.1	258.7	262.2	274.9	278.4	294.7	303.9
67.5°	207.7	212.3	216.9	219.3	221.6	228.5	230.9	236.7	244.8	251.7	263.3
70°	176.3	179.8	184.5	187.9	192.6	197.2	204.2	207.7	213.5	218.1	227.4
72.5°	147.3	150.8	153.1	156.6	160.1	163.6	169.4	177.5	182.1	190.3	192.6
75°	119.5	123.0	125.3	127.6	131.1	133.4	135.7	143.9	148.5	155.5	162.4
77.5°	98.6	98.6	100.9	107.9	106.7	106.7	109.0	113.7	117.2	121.8	128.8
80°	76.6	77.7	78.9	84.7	85.8	87.0	85.8	89.3	92.8	94.0	98.6
82.5°	56.8	58.0	58.0	61.5	65.0	65.0	65.0	66.1	69.6	70.8	73.1
85°	38.3	39.4	40.6	41.8	44.1	45.2	46.4	46.4	48.7	49.9	51.0
87.5°	20.9	23.2	24.4	25.5	26.7	27.8	29.0	30.2	31.3	32.5	33.6
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3	2531.3
2.5°	2544.1	2538.3	2534.8	2525.5	2523.2	2508.1	2510.4	2508.1	2508.1	2511.6	2523.2
5°	2653.1	2625.3	2618.3	2598.6	2582.4	2554.5	2537.1	2527.8	2513.9	2508.1	2516.2
7.5°	2727.4	2706.5	2689.1	2671.7	2648.5	2616.0	2591.7	2563.8	2540.6	2518.6	2512.8
10°	2714.6	2737.8	2737.8	2727.4	2705.3	2672.9	2643.9	2609.1	2568.5	2533.6	2512.8
12.5°	2606.7	2647.3	2679.8	2704.2	2726.2	2704.2	2675.2	2647.3	2602.1	2551.0	2512.8
15°	2488.4	2530.2	2570.8	2621.8	2675.2	2697.2	2696.1	2663.6	2623.0	2569.6	2516.2
17.5°	2404.9	2433.9	2455.9	2511.6	2576.6	2633.4	2671.7	2674.0	2634.6	2587.0	2517.4
20°	2342.2	2363.1	2381.7	2413.0	2469.8	2539.4	2610.2	2649.7	2642.7	2590.5	2520.9
22.5°	2285.4	2300.5	2315.6	2338.8	2384.0	2429.2	2511.6	2592.8	2627.6	2584.7	2517.4
25°	2228.5	2244.8	2256.4	2272.6	2308.6	2345.7	2403.7	2504.6	2582.4	2580.1	2510.4
27.5°	2161.3	2183.3	2197.2	2219.3	2243.6	2271.5	2310.9	2406.0	2517.4	2556.9	2491.9
30°	2080.1	2112.5	2133.4	2157.8	2178.7	2203.0	2234.3	2292.3	2430.4	2511.6	2472.2
32.5°	1962.9	2020.9	2067.3	2090.5	2113.7	2134.6	2162.4	2211.1	2323.7	2450.1	2450.1
35°	1879.4	1906.0	1947.8	2015.1	2044.1	2065.0	2090.5	2128.8	2200.7	2377.0	2414.2
37.5°	1814.4	1824.8	1845.7	1911.8	1966.4	2000.0	2025.5	2049.9	2120.7	2277.3	2367.8
40°	1765.7	1762.2	1759.9	1791.2	1868.9	1922.3	1951.3	1975.6	2030.2	2157.8	2306.3
42.5°	1708.8	1705.3	1693.7	1701.9	1740.1	1829.5	1873.6	1900.2	1945.5	2032.5	2239.0
45°	1649.7	1643.9	1639.2	1631.1	1645.0	1694.9	1785.4	1824.8	1850.4	1928.1	2154.3
47.5°	1589.3	1581.2	1575.4	1568.4	1560.3	1583.5	1669.4	1740.1	1784.2	1833.0	2052.2
50°	1503.5	1513.9	1507.0	1498.8	1491.9	1487.2	1523.2	1639.2	1693.7	1733.2	1928.1
52.5°	708.8	1378.2	1436.2	1428.1	1418.8	1410.7	1418.8	1507.0	1605.6	1636.9	1778.4
55°	403.7	613.7	1277.3	1350.4	1342.2	1330.6	1323.7	1353.8	1501.2	1542.9	1641.5
57.5°	388.6	389.8	563.8	1216.9	1262.2	1251.7	1243.6	1250.6	1375.9	1446.6	1522.0
60°	375.9	375.9	375.9	538.3	1163.6	1167.1	1156.6	1145.0	1199.5	1338.8	1401.4
62.5°	348.0	355.0	358.5	358.5	531.3	1077.7	1067.3	1063.8	1066.1	1208.8	1280.7
65°	312.1	328.3	335.3	339.9	339.9	558.0	975.6	969.8	961.7	1016.2	1158.9
67.5°	272.6	288.9	303.9	313.2	314.4	324.8	582.4	873.6	862.0	863.1	1029.0
70°	232.0	245.9	262.2	276.1	288.9	294.7	303.9	725.1	763.3	747.1	881.7
72.5°	200.7	206.5	218.1	232.0	247.1	261.0	269.1	288.9	662.4	645.0	670.5
75°	167.1	171.7	179.8	189.1	200.7	216.9	230.9	244.8	351.5	540.6	537.1
77.5°	129.9	138.1	147.3	153.1	158.9	170.5	189.1	203.0	216.9	365.4	430.4
80°	99.8	105.6	110.2	116.0	123.0	131.1	138.1	154.3	170.5	183.3	329.5
82.5°	74.2	77.7	81.2	83.5	85.8	90.5	103.2	109.0	119.5	131.1	155.5
85°	52.2	54.5	56.8	58.0	59.2	60.3	65.0	66.1	76.6	78.9	94.0
87.5°	33.6	34.8	37.1	38.3	38.3	39.4	40.6	40.6	40.6	38.3	46.4
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2531.3	2531.3
2.5°	2532.5	2551.0
5°	2529.0	2553.4
7.5°	2519.7	2542.9
10°	2505.8	2533.6
12.5°	2490.7	2517.4
15°	2478.0	2497.7
17.5°	2464.0	2475.6
20°	2445.5	2454.8
22.5°	2426.9	2422.3
25°	2406.0	2395.6
27.5°	2379.4	2359.6
30°	2355.0	2320.2
32.5°	2331.8	2274.9
35°	2300.5	2228.5
37.5°	2268.0	2181.0
40°	2229.7	2126.5
42.5°	2189.1	2071.9
45°	2138.1	2019.7
47.5°	2092.8	1957.1
50°	2030.2	1889.8
52.5°	1953.6	1827.2
55°	1863.1	1750.6
57.5°	1765.7	1670.5
60°	1661.3	1578.9
62.5°	1534.8	1483.8
65°	1386.3	1374.7
67.5°	1192.6	1254.1
70°	978.0	1116.0
72.5°	817.9	969.8
75°	670.5	806.3
77.5°	531.3	632.3
80°	331.8	462.9
82.5°	222.7	303.9
85°	134.6	145.0
87.5°	52.2	53.4
90°	0.0	0.0

(END OF REPORT)