

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: **4SNLED-LD5-62SL-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: 4SNLED-LD5-62SL-RW-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

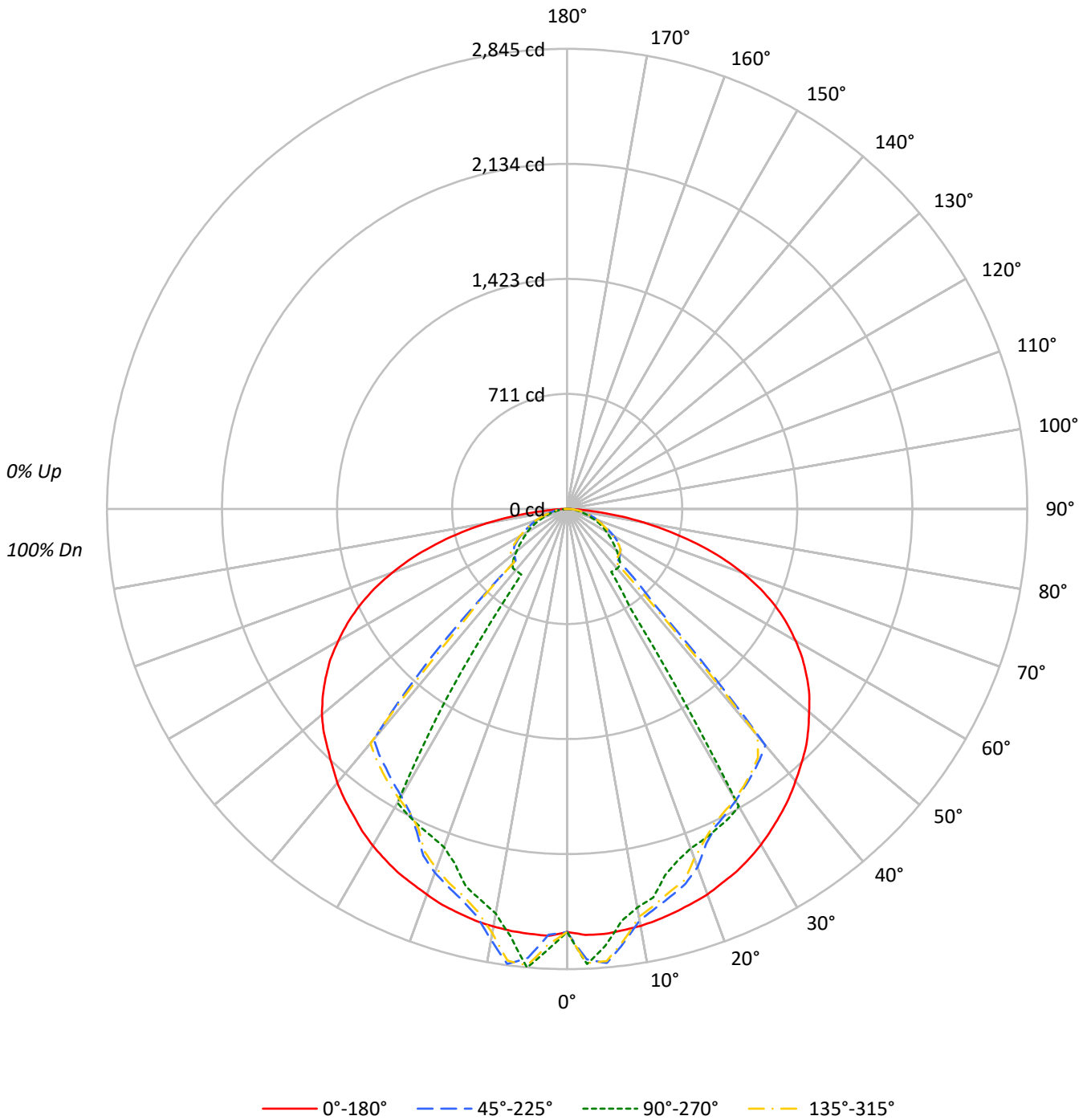
Lumens per Lamp: N/A
Luminaire Lumens: 5237.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					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°	21133	21133	21133	21133
5°	21341	21293	21331	22347
10°	21361	19251	21391	19546
15°	21409	17812	21459	18377
20°	21564	16894	21564	16830
25°	21751	16570	21783	16416
30°	21971	16278	22026	16086
35°	22227	3707	22273	3867
40°	22583	3855	22719	3981
45°	23125	3834	23205	3973
50°	23664	3467	23984	3560
55°	24392	3078	24587	3122
60°	25010	2736	25065	2771
65°	25452	2387	25388	2349
70°	25088	1924	25010	1854
75°	23292	1481	23460	1419
80°	18904	1052	19663	962
85°	10234	631	10808	484



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.3	4.9
10°-20°	707.5	13.5
20°-30°	1047.9	20.0
30°-40°	1055.8	20.2
40°-50°	824.8	15.7
50°-60°	637.1	12.2
60°-70°	427.7	8.2
70°-80°	218.2	4.2
80°-90°	60.7	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°	2012.7	38.4
0°-40°	3068.5	58.6
0°-60°	4530.4	86.5
0°-90°	5237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5237.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2615	2615	2615	2615	2615	
5°	2638	2711	2637	2845	2638	251
15°	2580	2343	2586	2418	2580	730
25°	2475	2184	2479	2163	2475	1142
35°	2302	475	2307	495	2302	1443
45°	2087	461	2094	478	2087	1609
55°	1809	336	1823	340	1809	1615
65°	1420	225	1417	222	1420	1397
75°	833	114	839	109	833	871
85°	150	36	158	28	150	206
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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2635.6	2645.2	2652.4	2657.2	2659.6	2659.6	2660.8	2662.0	2677.5	2684.7	2689.5
5°	2638.0	2647.6	2662.0	2681.1	2697.9	2712.3	2724.3	2741.1	2757.8	2775.8	2781.8
7.5°	2627.2	2639.2	2668.0	2702.7	2735.1	2757.8	2773.4	2784.2	2792.6	2793.8	2799.8
10°	2617.6	2639.2	2678.7	2724.3	2765.0	2792.6	2792.6	2786.6	2795.0	2762.6	2730.3
12.5°	2600.8	2624.8	2678.7	2738.7	2777.0	2787.8	2783.0	2759.0	2709.9	2670.4	2652.4
15°	2580.5	2612.8	2679.9	2747.1	2779.4	2783.0	2737.5	2676.3	2639.2	2615.2	2585.3
17.5°	2557.7	2600.8	2681.1	2748.3	2760.2	2743.5	2657.2	2618.8	2580.5	2524.1	2483.4
20°	2536.1	2578.1	2671.6	2731.5	2738.7	2663.2	2596.0	2555.3	2490.6	2441.4	2423.5
22.5°	2502.6	2551.7	2663.2	2708.7	2681.1	2593.6	2528.9	2464.2	2405.5	2391.1	2369.5
25°	2475.0	2526.5	2644.0	2681.1	2608.0	2530.1	2454.6	2379.1	2351.5	2331.2	2312.0
27.5°	2437.8	2501.4	2618.8	2630.8	2530.1	2461.8	2351.5	2318.0	2292.8	2270.0	2261.7
30°	2397.1	2475.0	2584.1	2561.3	2465.4	2364.7	2283.2	2252.1	2234.1	2210.1	2200.5
32.5°	2350.3	2435.4	2545.7	2481.0	2395.9	2270.0	2217.3	2193.3	2169.4	2151.4	2091.5
35°	2302.4	2400.7	2500.2	2404.3	2312.0	2198.1	2151.4	2129.8	2107.0	2041.1	1978.8
37.5°	2253.3	2362.3	2445.0	2321.6	2200.5	2123.8	2084.3	2060.3	2008.8	1924.9	1893.7
40°	2196.9	2315.6	2374.3	2236.5	2103.4	2048.3	2011.2	1987.2	1870.9	1833.8	1824.2
42.5°	2140.6	2270.0	2288.0	2153.8	2023.1	1968.0	1936.8	1857.7	1778.6	1759.5	1763.1
45°	2086.7	2220.9	2193.3	2036.3	1939.2	1893.7	1841.0	1731.9	1689.9	1699.5	1701.9
47.5°	2021.9	2162.2	2093.9	1918.9	1852.9	1807.4	1689.9	1624.0	1618.0	1631.2	1638.4
50°	1952.4	2096.3	1988.4	1812.2	1759.5	1705.5	1572.5	1538.9	1546.1	1559.3	1567.7
52.5°	1887.7	2021.9	1879.3	1712.7	1667.2	1543.7	1453.8	1459.8	1471.8	1487.4	1492.2
55°	1808.6	1932.1	1763.1	1612.0	1568.9	1407.1	1366.3	1380.7	1392.7	1405.9	1415.5
57.5°	1725.9	1829.0	1625.2	1499.4	1429.9	1286.0	1289.6	1299.2	1307.6	1323.2	546.5
60°	1631.2	1711.5	1474.2	1395.1	1257.3	1190.2	1193.7	1210.5	1218.9	680.8	376.3
62.5°	1532.9	1574.9	1337.6	1276.4	1099.1	1094.3	1111.1	1118.2	761.1	359.6	352.4
65°	1420.3	1411.9	1203.3	1106.3	991.2	996.0	1014.0	978.0	336.8	336.8	334.4
67.5°	1295.6	1245.3	1072.7	915.7	886.9	897.7	916.9	320.0	311.6	314.0	305.6
70°	1153.0	1082.3	937.3	775.5	785.0	795.8	309.2	290.0	286.5	280.5	263.7
72.5°	1002.0	904.9	767.1	673.6	679.6	426.7	270.9	261.3	249.3	237.3	219.3
75°	833.0	707.1	563.3	563.3	571.7	243.3	236.1	220.5	207.3	191.8	181.0
77.5°	653.2	544.1	437.5	454.2	221.7	203.8	190.6	173.8	163.0	153.4	147.4
80°	478.2	379.9	329.6	294.8	172.6	154.6	141.4	131.8	127.0	121.1	113.9
82.5°	314.0	228.9	228.9	139.0	121.1	106.7	103.1	95.9	91.1	87.5	83.9
85°	149.8	133.0	100.7	85.1	75.5	68.3	65.9	62.3	62.3	61.1	59.9
87.5°	55.1	59.9	44.3	43.1	40.8	39.6	40.8	40.8	41.9	40.8	39.6
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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2701.5	2711.1	2718.3	2730.3	2745.9	2759.0	2771.0	2787.8	2814.2	2821.4	2827.4
5°	2781.8	2785.4	2793.8	2803.4	2805.8	2811.8	2810.6	2817.8	2821.4	2829.8	2811.8
7.5°	2786.6	2767.4	2744.7	2724.3	2709.9	2696.7	2688.3	2701.5	2708.7	2714.7	2696.7
10°	2685.9	2663.2	2650.0	2638.0	2623.6	2603.2	2575.7	2581.7	2579.3	2579.3	2573.3
12.5°	2622.4	2590.1	2556.5	2526.5	2513.3	2512.1	2513.3	2526.5	2526.5	2525.3	2518.1
15°	2522.9	2491.8	2475.0	2467.8	2467.8	2464.2	2464.2	2478.6	2475.0	2475.0	2471.4
17.5°	2457.0	2435.4	2423.5	2415.1	2411.5	2417.5	2424.7	2430.6	2431.8	2427.1	2407.9
20°	2403.1	2382.7	2368.3	2370.7	2369.5	2373.1	2376.7	2356.3	2331.2	2297.6	2282.0
22.5°	2346.7	2331.2	2320.4	2320.4	2306.0	2283.2	2249.7	2242.5	2238.9	2223.3	2210.1
25°	2292.8	2274.8	2259.3	2211.3	2181.4	2184.9	2179.0	2167.0	2165.8	2164.6	2169.4
27.5°	2238.9	2192.1	2132.2	2125.0	2113.0	2111.8	2119.0	2125.0	2125.0	2129.8	2135.8
30°	2127.4	2073.5	2062.7	2049.5	2054.3	2071.1	2074.7	2083.1	2085.5	2093.9	2098.7
32.5°	2025.5	2001.6	1992.0	1998.0	2013.6	2027.9	2036.3	2039.9	2045.9	2053.1	2059.1
35°	1942.8	1935.6	1944.0	1957.2	1972.8	1984.8	1992.0	1999.2	2005.2	2011.2	2016.0
37.5°	1881.7	1886.5	1898.5	1915.3	1930.9	1940.4	1946.4	1954.8	1963.2	1970.4	1941.6
40°	1824.2	1836.2	1849.4	1867.3	1880.5	1890.1	1896.1	1906.9	1835.0	830.6	455.4
42.5°	1773.8	1787.0	1796.6	1811.0	1825.4	1832.6	1779.8	794.6	449.5	447.1	453.0
45°	1712.7	1723.5	1739.1	1749.9	1763.1	1157.8	442.3	447.1	439.9	444.7	447.1
47.5°	1650.4	1667.2	1675.6	1598.9	475.8	439.9	435.1	439.9	435.1	441.1	437.5
50°	1579.7	1600.1	1138.6	430.3	426.7	424.3	429.1	426.7	430.3	435.1	425.5
52.5°	1507.8	933.7	417.1	414.7	417.1	414.7	423.1	417.1	418.3	413.5	401.5
55°	510.6	403.9	400.3	399.1	406.3	406.3	406.3	396.7	390.7	378.7	370.4
57.5°	390.7	390.7	389.5	390.7	388.3	385.9	375.1	366.8	358.4	341.6	336.8
60°	370.4	370.4	370.4	370.4	359.6	354.8	338.0	330.8	316.4	308.0	303.2
62.5°	353.6	351.2	340.4	336.8	324.8	311.6	302.0	294.8	280.5	275.7	272.1
65°	329.6	321.2	308.0	293.6	287.7	273.3	268.5	257.7	250.5	246.9	244.5
67.5°	290.0	278.1	267.3	257.7	246.9	242.1	236.1	227.7	222.9	220.5	218.1
70°	248.1	239.7	228.9	222.9	215.7	212.1	203.8	201.4	197.8	194.2	190.6
72.5°	207.3	202.6	197.8	189.4	187.0	184.6	176.2	171.4	166.6	161.8	159.4
75°	173.8	170.2	167.8	160.6	157.0	149.8	143.8	140.2	136.6	133.0	130.6
77.5°	142.6	140.2	133.0	128.2	125.8	119.9	117.5	118.7	116.3	111.5	109.1
80°	111.5	109.1	103.1	103.1	100.7	98.3	95.9	93.5	91.1	87.5	85.1
82.5°	85.1	82.7	80.3	77.9	75.5	74.3	73.1	70.7	68.3	65.9	64.7
85°	59.9	58.7	57.5	56.3	55.1	53.9	52.7	50.3	47.9	46.7	45.5
87.5°	40.8	39.6	38.4	37.2	36.0	34.8	33.6	32.4	30.0	28.8	27.6
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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2827.4	2833.4	2827.4	2814.2	2805.8	2802.2	2809.4	2809.4	2814.2	2820.2	2821.4
5°	2783.0	2768.6	2751.9	2735.1	2726.7	2721.9	2708.7	2711.1	2714.7	2717.1	2719.5
7.5°	2672.8	2653.6	2630.8	2609.2	2600.8	2593.6	2578.1	2578.1	2578.1	2579.3	2586.5
10°	2560.1	2551.7	2542.1	2527.7	2516.9	2513.3	2500.2	2503.8	2501.4	2505.0	2513.3
12.5°	2507.4	2497.8	2489.4	2475.0	2463.0	2458.2	2452.2	2455.8	2454.6	2460.6	2467.8
15°	2459.4	2454.6	2445.0	2434.2	2423.5	2413.9	2392.3	2385.1	2380.3	2374.3	2382.7
17.5°	2380.3	2346.7	2324.0	2307.2	2295.2	2286.8	2280.8	2280.8	2284.4	2288.0	2295.2
20°	2272.4	2262.9	2252.1	2234.1	2222.1	2217.3	2213.7	2213.7	2219.7	2224.5	2237.7
22.5°	2198.1	2196.9	2193.3	2184.9	2179.0	2179.0	2180.2	2182.5	2190.9	2198.1	2211.3
25°	2163.4	2168.2	2165.8	2161.0	2157.4	2158.6	2156.2	2158.6	2167.0	2174.2	2184.9
27.5°	2135.8	2143.0	2140.6	2133.4	2127.4	2129.8	2133.4	2131.0	2138.2	2146.6	2155.0
30°	2098.7	2099.8	2104.6	2096.3	2093.9	2097.5	2098.7	2101.0	2108.2	2114.2	2121.4
32.5°	2056.7	2066.3	2065.1	2056.7	2056.7	2060.3	2061.5	1981.2	1831.4	1577.3	1507.8
35°	2016.0	2026.7	2008.8	1693.5	1172.2	625.6	483.0	466.2	469.8	472.2	474.6
37.5°	1491.0	707.1	450.7	454.2	457.8	461.4	465.0	468.6	472.2	475.8	477.0
40°	448.3	447.1	450.7	455.4	459.0	461.4	466.2	469.8	473.4	477.0	478.2
42.5°	443.5	445.9	449.5	454.2	459.0	463.8	467.4	472.2	474.6	477.0	478.2
45°	441.1	445.9	450.7	454.2	457.8	460.2	462.6	463.8	462.6	462.6	465.0
47.5°	437.5	442.3	443.5	442.3	443.5	442.3	442.3	442.3	438.7	437.5	437.5
50°	424.3	424.3	421.9	417.1	415.9	414.7	412.3	411.1	406.3	405.1	405.1
52.5°	396.7	395.5	391.9	385.9	383.5	381.1	379.9	378.7	373.9	371.5	372.7
55°	364.4	362.0	358.4	351.2	350.0	347.6	346.4	345.2	340.4	342.8	339.2
57.5°	334.4	329.6	324.8	323.6	318.8	317.6	316.4	315.2	311.6	312.8	310.4
60°	298.4	297.2	294.8	290.0	290.0	288.8	288.8	286.5	284.1	282.9	282.9
62.5°	272.1	268.5	266.1	266.1	262.5	262.5	262.5	260.1	257.7	258.9	257.7
65°	243.3	242.1	240.9	238.5	238.5	237.3	237.3	234.9	231.3	232.5	230.1
67.5°	219.3	216.9	214.5	213.3	208.5	206.1	205.0	203.8	199.0	200.2	197.8
70°	189.4	185.8	183.4	181.0	177.4	175.0	175.0	172.6	169.0	170.2	167.8
72.5°	158.2	155.8	153.4	152.2	148.6	147.4	146.2	145.0	141.4	142.6	141.4
75°	131.8	131.8	130.6	129.4	125.8	122.3	119.9	118.7	116.3	117.5	115.1
77.5°	109.1	106.7	104.3	104.3	100.7	98.3	95.9	95.9	95.9	94.7	93.5
80°	85.1	82.7	82.7	81.5	79.1	76.7	75.5	75.5	74.3	74.3	73.1
82.5°	64.7	62.3	61.1	61.1	58.7	57.5	56.3	55.1	55.1	55.1	53.9
85°	45.5	43.1	41.9	41.9	39.6	38.4	38.4	37.2	37.2	36.0	36.0
87.5°	27.6	26.4	25.2	25.2	22.8	21.6	21.6	21.6	20.4	20.4	19.2
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: 4SNLED-LD5-62SL-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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2821.4	2821.4	2813.0	2815.4	2811.8	2816.6	2810.6	2810.6	2817.8	2817.8	2822.6
5°	2720.7	2714.7	2713.5	2711.1	2699.1	2703.9	2697.9	2691.9	2700.3	2700.3	2711.1
7.5°	2582.9	2572.1	2576.9	2569.7	2562.5	2551.7	2555.3	2550.5	2556.5	2564.9	2575.7
10°	2512.1	2502.6	2508.6	2501.4	2505.0	2489.4	2490.6	2491.8	2497.8	2500.2	2509.8
12.5°	2466.6	2464.2	2461.8	2459.4	2461.8	2453.4	2448.6	2449.8	2452.2	2453.4	2460.6
15°	2370.7	2355.1	2359.9	2343.2	2344.4	2345.6	2336.0	2345.6	2344.4	2359.9	2374.3
17.5°	2292.8	2292.8	2284.4	2277.2	2272.4	2271.2	2264.0	2268.8	2264.0	2273.6	2277.2
20°	2238.9	2237.7	2236.5	2232.9	2220.9	2222.1	2225.7	2214.9	2213.7	2212.5	2219.7
22.5°	2213.7	2214.9	2210.1	2210.1	2199.3	2201.7	2202.9	2190.9	2192.1	2188.5	2192.1
25°	2187.3	2189.7	2183.7	2183.7	2181.4	2180.2	2174.2	2176.6	2169.4	2163.4	2169.4
27.5°	2156.2	2161.0	2156.2	2158.6	2153.8	2151.4	2147.8	2145.4	2138.2	2137.0	2140.6
30°	2127.4	2129.8	2128.6	2122.6	2121.4	2114.2	2117.8	2110.6	2103.4	2104.6	2107.0
32.5°	1090.7	1041.5	803.0	725.1	717.9	744.3	882.1	1073.9	1391.5	1699.5	1921.3
35°	475.8	475.8	475.8	474.6	474.6	473.4	472.2	471.0	469.8	468.6	467.4
37.5°	478.2	478.2	478.2	478.2	477.0	475.8	475.8	473.4	472.2	471.0	469.8
40°	479.4	480.6	480.6	480.6	479.4	479.4	478.2	475.8	474.6	472.2	469.8
42.5°	478.2	479.4	479.4	478.2	478.2	477.0	477.0	475.8	474.6	473.4	472.2
45°	462.6	463.8	461.4	461.4	460.2	460.2	460.2	460.2	460.2	461.4	461.4
47.5°	435.1	435.1	433.9	432.7	432.7	431.5	432.7	431.5	433.9	435.1	437.5
50°	402.7	402.7	400.3	399.1	399.1	399.1	399.1	400.3	401.5	403.9	406.3
52.5°	369.2	369.2	368.0	366.8	365.6	365.6	369.2	368.0	369.2	370.4	373.9
55°	336.8	338.0	335.6	335.6	334.4	334.4	334.4	335.6	336.8	338.0	341.6
57.5°	309.2	309.2	306.8	306.8	306.8	305.6	309.2	306.8	308.0	309.2	311.6
60°	281.7	280.5	280.5	279.3	279.3	279.3	281.7	280.5	280.5	281.7	284.1
62.5°	256.5	256.5	255.3	255.3	254.1	254.1	256.5	255.3	255.3	256.5	257.7
65°	227.7	227.7	226.5	225.3	228.9	225.3	228.9	226.5	228.9	230.1	232.5
67.5°	195.4	195.4	195.4	194.2	194.2	196.6	197.8	195.4	196.6	199.0	200.2
70°	166.6	166.6	165.4	165.4	165.4	167.8	169.0	166.6	167.8	169.0	171.4
72.5°	141.4	139.0	139.0	137.8	140.2	140.2	141.4	140.2	141.4	141.4	143.8
75°	116.3	113.9	113.9	113.9	116.3	115.1	116.3	115.1	116.3	116.3	117.5
77.5°	93.5	92.3	91.1	91.1	93.5	93.5	93.5	92.3	93.5	94.7	95.9
80°	73.1	71.9	70.7	70.7	73.1	73.1	73.1	74.3	73.1	74.3	75.5
82.5°	53.9	52.7	51.5	53.9	53.9	53.9	53.9	55.1	53.9	55.1	56.3
85°	36.0	34.8	33.6	36.0	36.0	36.0	36.0	37.2	36.0	37.2	38.4
87.5°	19.2	18.0	18.0	19.2	19.2	19.2	20.4	20.4	20.4	21.6	21.6
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: 4SNLED-LD5-62SL-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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2829.8	2833.4	2832.2	2825.0	2817.8	2809.4	2803.4	2804.6	2816.6	2820.2	2809.4
5°	2711.1	2733.9	2733.9	2749.5	2741.1	2733.9	2738.7	2765.0	2778.2	2798.6	2805.8
7.5°	2588.9	2599.6	2598.4	2614.0	2611.6	2611.6	2615.2	2650.0	2666.8	2683.5	2688.3
10°	2520.5	2531.3	2530.1	2531.3	2527.7	2519.3	2519.3	2534.9	2549.3	2557.7	2560.1
12.5°	2471.4	2477.4	2476.2	2476.2	2473.8	2466.6	2465.4	2478.6	2494.2	2505.0	2506.2
15°	2398.3	2415.1	2418.7	2434.2	2430.6	2421.1	2423.5	2434.2	2443.8	2453.4	2449.8
17.5°	2289.2	2297.6	2298.8	2304.8	2302.4	2302.4	2316.8	2356.3	2382.7	2405.5	2407.9
20°	2226.9	2232.9	2230.5	2243.7	2237.7	2236.5	2240.1	2256.9	2268.8	2279.6	2298.8
22.5°	2196.9	2201.7	2198.1	2199.3	2188.5	2179.0	2176.6	2189.7	2202.9	2217.3	2217.3
25°	2171.8	2175.4	2174.2	2171.8	2163.4	2150.2	2147.8	2150.2	2155.0	2156.2	2147.8
27.5°	2141.8	2144.2	2144.2	2145.4	2134.6	2122.6	2120.2	2117.8	2122.6	2121.4	2108.2
30°	2110.6	2107.0	2108.2	2109.4	2099.8	2089.1	2084.3	2083.1	2087.9	2086.7	2073.5
32.5°	2036.3	2063.9	2066.3	2068.7	2060.3	2050.7	2045.9	2042.3	2044.7	2043.5	2031.5
35°	466.2	474.6	581.3	1316.0	1787.0	1978.8	1999.2	1994.4	1995.6	1995.6	1986.0
37.5°	467.4	466.2	465.0	461.4	457.8	455.4	787.4	1679.2	1945.2	1946.4	1938.0
40°	467.4	466.2	465.0	462.6	457.8	454.2	448.3	443.5	454.2	999.6	1829.0
42.5°	469.8	467.4	465.0	462.6	457.8	453.0	448.3	442.3	445.9	443.5	437.5
45°	462.6	461.4	461.4	460.2	457.8	453.0	447.1	439.9	436.3	439.9	433.9
47.5°	439.9	441.1	444.7	445.9	445.9	447.1	443.5	438.7	432.7	436.3	429.1
50°	408.7	411.1	412.3	418.3	420.7	425.5	426.7	426.7	425.5	430.3	425.5
52.5°	375.1	377.5	383.5	385.9	388.3	395.5	397.9	401.5	403.9	411.1	415.9
55°	342.8	344.0	346.4	351.2	354.8	360.8	364.4	368.0	373.9	377.5	391.9
57.5°	312.8	314.0	318.8	320.0	322.4	327.2	330.8	335.6	340.4	342.8	359.6
60°	284.1	285.3	288.8	290.0	291.2	296.0	299.6	303.2	306.8	309.2	321.2
62.5°	258.9	258.9	262.5	262.5	263.7	267.3	269.7	272.1	275.7	276.9	282.9
65°	233.7	234.9	237.3	237.3	238.5	240.9	242.1	243.3	246.9	246.9	251.7
67.5°	202.6	203.8	207.3	209.7	210.9	215.7	216.9	218.1	220.5	221.7	224.1
70°	172.6	173.8	177.4	178.6	179.8	183.4	185.8	189.4	193.0	196.6	199.0
72.5°	145.0	146.2	149.8	149.8	153.4	154.6	157.0	158.2	161.8	164.2	167.8
75°	118.7	119.9	123.5	123.5	127.0	128.2	129.4	130.6	133.0	135.4	137.8
77.5°	97.1	97.1	101.9	104.3	106.7	106.7	107.9	107.9	107.9	109.1	111.5
80°	76.7	76.7	80.3	82.7	85.1	85.1	86.3	87.5	88.7	88.7	89.9
82.5°	57.5	57.5	61.1	62.3	64.7	64.7	64.7	65.9	67.1	65.9	68.3
85°	39.6	39.6	41.9	43.1	45.5	45.5	45.5	46.7	47.9	46.7	47.9
87.5°	22.8	24.0	25.2	26.4	27.6	28.8	28.8	28.8	30.0	30.0	31.2
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: 4SNLED-LD5-62SL-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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2797.4	2783.0	2781.8	2765.0	2760.2	2761.4	2748.3	2743.5	2721.9	2717.1	2694.3
5°	2808.2	2815.4	2811.8	2810.6	2814.2	2811.8	2802.2	2797.4	2793.8	2784.2	2765.0
7.5°	2689.5	2694.3	2697.9	2713.5	2726.7	2749.5	2773.4	2789.0	2801.0	2803.4	2787.8
10°	2568.5	2591.3	2606.8	2630.8	2650.0	2663.2	2677.5	2690.7	2725.5	2760.2	2780.6
12.5°	2506.2	2512.1	2510.9	2524.1	2537.3	2572.1	2605.6	2624.8	2651.2	2666.8	2703.9
15°	2453.4	2454.6	2458.2	2467.8	2475.0	2487.0	2502.6	2531.3	2584.1	2608.0	2628.4
17.5°	2405.5	2405.5	2407.9	2416.3	2425.9	2436.6	2446.2	2458.2	2484.6	2524.1	2574.5
20°	2328.8	2362.3	2365.9	2364.7	2369.5	2389.9	2392.3	2413.9	2427.1	2442.6	2491.8
22.5°	2214.9	2235.3	2264.0	2308.4	2325.2	2334.8	2342.0	2351.5	2371.9	2389.9	2410.3
25°	2152.6	2165.8	2174.2	2187.3	2222.1	2278.4	2289.2	2300.0	2313.2	2326.4	2351.5
27.5°	2097.5	2096.3	2102.2	2114.2	2123.8	2153.8	2206.5	2248.5	2250.9	2270.0	2291.6
30°	2057.9	2050.7	2042.3	2039.9	2053.1	2068.7	2084.3	2150.2	2195.7	2205.3	2228.1
32.5°	2020.7	2008.8	1996.8	1987.2	1978.8	1992.0	2001.6	2030.3	2089.1	2144.2	2156.2
35°	1975.2	1963.2	1948.8	1938.0	1924.9	1923.7	1922.5	1950.0	1969.2	2035.1	2092.7
37.5°	1928.5	1915.3	1903.3	1891.3	1878.1	1868.5	1862.5	1869.7	1887.7	1916.5	2012.4
40°	1879.3	1863.7	1851.8	1842.2	1824.2	1817.0	1805.0	1800.2	1801.4	1826.6	1876.9
42.5°	1123.0	1790.6	1796.6	1785.8	1770.2	1760.7	1747.5	1741.5	1729.5	1741.5	1770.2
45°	432.7	437.5	1310.0	1730.7	1711.5	1699.5	1687.5	1681.6	1668.4	1658.8	1685.2
47.5°	424.3	429.1	419.5	594.5	1633.6	1637.2	1622.8	1616.8	1603.7	1596.5	1589.3
50°	418.3	421.9	414.7	417.1	408.7	1497.0	1556.9	1549.7	1535.3	1526.9	1512.6
52.5°	412.3	412.3	407.5	401.5	399.1	400.3	1259.7	1481.4	1464.6	1456.2	1437.1
55°	393.1	395.5	400.3	390.7	388.3	387.1	383.5	1199.7	1386.7	1377.1	1360.3
57.5°	364.4	369.2	382.3	379.9	379.9	370.4	368.0	368.0	1113.4	1296.8	1280.0
60°	330.8	335.6	350.0	354.8	358.4	356.0	353.6	352.4	347.6	1173.4	1194.9
62.5°	296.0	300.8	305.6	321.2	326.0	332.0	339.2	335.6	330.8	330.8	1105.1
65°	258.9	266.1	268.5	282.9	288.8	299.6	305.6	314.0	311.6	310.4	316.4
67.5°	226.5	234.9	236.1	242.1	252.9	257.7	264.9	280.5	287.7	290.0	292.4
70°	199.0	203.8	207.3	209.7	216.9	218.1	231.3	242.1	252.9	264.9	268.5
72.5°	171.4	175.0	182.2	179.8	182.2	187.0	194.2	201.4	212.1	228.9	239.7
75°	140.2	142.6	147.4	149.8	154.6	158.2	163.0	169.0	178.6	187.0	201.4
77.5°	112.7	113.9	117.5	118.7	123.5	127.0	135.4	139.0	145.0	151.0	159.4
80°	91.1	91.1	92.3	92.3	95.9	99.5	105.5	109.1	116.3	121.1	121.1
82.5°	69.5	69.5	73.1	73.1	75.5	75.5	79.1	79.1	82.7	85.1	87.5
85°	49.1	50.3	52.7	51.5	53.9	52.7	55.1	57.5	58.7	57.5	56.3
87.5°	32.4	32.4	34.8	33.6	34.8	34.8	37.2	37.2	38.4	38.4	37.2
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: 4SNLED-LD5-62SL-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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2685.9	2668.0	2657.2	2644.0	2640.4	2636.8	2641.6	2641.6	2634.4	2628.4	2617.6
5°	2748.3	2729.1	2708.7	2687.1	2666.8	2645.2	2636.8	2635.6	2622.4	2615.2	2611.6
7.5°	2780.6	2771.0	2748.3	2718.3	2687.1	2648.8	2632.0	2622.4	2609.2	2606.8	2606.8
10°	2784.2	2773.4	2761.4	2739.9	2703.9	2653.6	2621.2	2602.0	2590.1	2598.4	2614.0
12.5°	2749.5	2769.8	2759.0	2744.7	2715.9	2654.8	2608.0	2579.3	2575.7	2597.2	2638.0
15°	2660.8	2720.7	2750.7	2736.3	2713.5	2652.4	2586.5	2552.9	2552.9	2597.2	2650.0
17.5°	2593.6	2640.4	2713.5	2725.5	2699.1	2647.6	2566.1	2526.5	2537.3	2602.0	2658.4
20°	2538.5	2567.3	2638.0	2705.1	2679.9	2636.8	2536.1	2495.4	2516.9	2594.8	2670.4
22.5°	2452.2	2509.8	2552.9	2652.4	2660.8	2616.4	2506.2	2457.0	2500.2	2594.8	2664.4
25°	2368.3	2437.8	2483.4	2580.5	2632.0	2591.3	2478.6	2416.3	2482.2	2591.3	2659.6
27.5°	2309.6	2342.0	2424.7	2494.2	2588.9	2557.7	2441.4	2371.9	2459.4	2572.1	2632.0
30°	2247.3	2268.8	2350.3	2416.3	2531.3	2519.3	2403.1	2322.8	2430.6	2554.1	2560.1
32.5°	2179.0	2202.9	2244.9	2340.8	2451.0	2483.4	2359.9	2273.6	2399.5	2526.5	2476.2
35°	2109.4	2127.4	2161.0	2264.0	2357.5	2429.4	2307.2	2217.3	2377.9	2484.6	2395.9
37.5°	2039.9	2059.1	2087.9	2174.2	2259.3	2379.1	2261.7	2161.0	2338.4	2410.3	2312.0
40°	1974.0	1984.8	2014.8	2068.7	2177.8	2327.6	2210.1	2102.2	2297.6	2315.6	2198.1
42.5°	1852.9	1906.9	1934.5	1977.6	2085.5	2256.9	2150.2	2039.9	2252.1	2220.9	2084.3
45°	1722.3	1839.8	1851.8	1894.9	2004.0	2181.4	2093.9	1978.8	2208.9	2139.4	1976.4
47.5°	1615.6	1700.7	1770.2	1806.2	1906.9	2092.7	2041.1	1927.3	2144.2	2036.3	1870.9
50°	1521.0	1566.5	1692.3	1718.7	1790.6	1986.0	1978.8	1867.3	2054.3	1906.9	1767.9
52.5°	1428.7	1461.0	1574.9	1631.2	1689.9	1870.9	1904.5	1808.6	1956.0	1777.4	1663.6
55°	1348.4	1359.1	1421.5	1540.1	1592.9	1754.7	1823.0	1740.3	1831.4	1654.0	1562.9
57.5°	1265.7	1256.1	1301.6	1453.8	1492.2	1636.0	1736.7	1670.8	1730.7	1528.1	1458.6
60°	1179.4	1166.2	1185.4	1286.0	1385.5	1518.6	1634.8	1594.1	1608.4	1403.5	1342.4
62.5°	1089.5	1076.3	1070.3	1133.8	1281.2	1397.5	1531.7	1509.0	1458.6	1289.6	1198.5
65°	996.0	982.8	973.2	998.4	1166.2	1240.5	1416.7	1410.7	1294.4	1169.8	1009.2
67.5°	303.2	894.1	873.7	872.5	982.8	1097.9	1292.0	1282.4	1129.0	1041.5	868.9
70°	273.3	725.1	770.7	759.9	807.8	952.8	1149.4	1142.2	968.4	835.4	768.3
72.5°	250.5	256.5	680.8	668.8	679.6	810.2	1000.8	981.6	821.0	659.2	664.0
75°	214.5	225.3	234.9	564.5	550.1	671.2	839.0	809.0	677.2	544.1	554.9
77.5°	175.0	188.2	195.4	411.1	444.7	478.2	670.0	630.4	466.2	435.1	207.3
80°	130.6	141.4	153.4	164.2	338.0	334.4	497.4	457.8	324.8	270.9	161.8
82.5°	95.9	99.5	106.7	118.7	134.2	224.1	320.0	281.7	225.3	123.5	111.5
85°	59.9	64.7	68.3	71.9	81.5	134.2	158.2	125.8	94.7	75.5	70.7
87.5°	38.4	38.4	37.2	38.4	39.6	47.9	53.9	51.5	40.8	38.4	38.4
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: 4SNLED-LD5-62SL-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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2605.6	2588.9	2588.9	2584.1	2587.7	2587.7	2586.5	2587.7	2596.0	2600.8	2609.2
5°	2604.4	2599.6	2610.4	2623.6	2639.2	2658.4	2663.2	2679.9	2695.5	2715.9	2737.5
7.5°	2620.0	2636.8	2657.2	2678.7	2709.9	2732.7	2753.1	2773.4	2787.8	2807.0	2819.0
10°	2642.8	2676.3	2711.1	2738.7	2772.2	2791.4	2804.6	2807.0	2786.6	2754.3	2727.9
12.5°	2675.2	2714.7	2747.1	2773.4	2789.0	2781.8	2743.5	2703.9	2681.1	2647.6	2600.8
15°	2702.7	2738.7	2772.2	2761.4	2719.5	2679.9	2650.0	2603.2	2557.7	2526.5	2506.2
17.5°	2714.7	2749.5	2737.5	2681.1	2641.6	2596.0	2534.9	2499.0	2469.0	2445.0	2433.0
20°	2721.9	2715.9	2651.2	2610.4	2533.7	2491.8	2452.2	2418.7	2395.9	2383.9	2381.5
22.5°	2702.7	2629.6	2574.5	2501.4	2445.0	2410.3	2379.1	2351.5	2336.0	2326.4	2320.4
25°	2639.2	2554.1	2472.6	2415.1	2367.1	2337.2	2313.2	2290.4	2271.2	2266.4	2254.5
27.5°	2550.5	2481.0	2373.1	2328.8	2286.8	2272.4	2246.1	2223.3	2206.5	2192.1	2153.8
30°	2477.4	2367.1	2289.2	2248.5	2223.3	2206.5	2176.6	2152.6	2123.8	2071.1	2049.5
32.5°	2387.5	2278.4	2204.1	2181.4	2150.2	2135.8	2102.2	2049.5	2005.2	1983.6	1982.4
35°	2271.2	2181.4	2127.4	2107.0	2081.9	2057.9	1988.4	1940.4	1918.9	1921.3	1939.2
37.5°	2174.2	2093.9	2059.1	2030.3	2001.6	1940.4	1881.7	1858.9	1864.9	1876.9	1885.3
40°	2075.9	2014.8	1975.2	1952.4	1887.7	1827.8	1796.6	1805.0	1815.8	1824.2	1835.0
42.5°	1980.0	1936.8	1897.3	1852.9	1764.3	1731.9	1739.1	1749.9	1759.5	1771.4	1782.2
45°	1888.9	1850.6	1805.0	1704.3	1660.0	1668.4	1679.2	1687.5	1701.9	1710.3	1721.1
47.5°	1802.6	1761.9	1681.6	1592.9	1588.1	1604.9	1614.4	1625.2	1636.0	1614.4	890.5
50°	1705.5	1663.6	1541.3	1507.8	1518.6	1534.1	1546.1	1556.9	1386.7	551.3	424.3
52.5°	1609.6	1503.0	1425.1	1434.7	1445.4	1463.4	1471.8	1093.1	435.1	414.7	415.9
55°	1503.0	1366.3	1343.6	1355.6	1365.1	1383.1	916.9	401.5	399.1	397.9	407.5
57.5°	1335.2	1252.5	1262.1	1274.1	1283.6	906.1	390.7	388.3	389.5	390.7	391.9
60°	1185.4	1167.4	1178.2	1189.0	841.4	377.5	370.4	371.5	376.3	372.7	363.2
62.5°	1066.7	1081.1	1091.9	956.4	358.4	354.8	358.4	354.8	346.4	340.4	328.4
65°	975.6	990.0	998.4	336.8	335.6	340.4	336.8	324.8	311.6	294.8	291.2
67.5°	879.7	894.1	320.0	311.6	316.4	310.4	296.0	281.7	272.1	257.7	251.7
70°	780.3	334.4	290.0	288.8	280.5	270.9	255.3	240.9	228.9	222.9	216.9
72.5°	563.3	264.9	261.3	251.7	237.3	224.1	210.9	202.6	196.6	193.0	189.4
75°	234.9	230.1	219.3	202.6	188.2	182.2	172.6	166.6	164.2	157.0	154.6
77.5°	196.6	187.0	171.4	159.4	151.0	147.4	140.2	133.0	129.4	128.2	123.5
80°	151.0	137.8	130.6	124.6	122.3	113.9	105.5	101.9	99.5	98.3	94.7
82.5°	103.1	98.3	93.5	85.1	85.1	81.5	77.9	75.5	73.1	73.1	70.7
85°	67.1	63.5	62.3	58.7	58.7	56.3	55.1	53.9	52.7	51.5	50.3
87.5°	38.4	38.4	39.6	38.4	38.4	37.2	36.0	34.8	33.6	33.6	31.2
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: 4SNLED-LD5-62SL-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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2620.0	2632.0	2634.4	2675.2	2697.9	2696.7	2689.5	2711.1	2697.9	2690.7	2697.9
5°	2759.0	2773.4	2785.4	2829.8	2845.3	2852.5	2851.3	2863.3	2853.7	2845.3	2845.3
7.5°	2827.4	2832.2	2837.0	2826.2	2819.0	2807.0	2789.0	2762.6	2749.5	2735.1	2717.1
10°	2714.7	2699.1	2705.1	2683.5	2665.6	2652.4	2635.6	2614.0	2596.0	2582.9	2562.5
12.5°	2576.9	2575.7	2578.1	2581.7	2563.7	2552.9	2539.7	2524.1	2510.9	2496.6	2479.8
15°	2493.0	2494.2	2503.8	2500.2	2494.2	2488.2	2473.8	2469.0	2457.0	2441.4	2431.8
17.5°	2433.0	2439.0	2448.6	2443.8	2434.2	2428.3	2417.5	2406.7	2395.9	2383.9	2369.5
20°	2380.3	2386.3	2392.3	2386.3	2368.3	2359.9	2345.6	2312.0	2288.0	2264.0	2242.5
22.5°	2322.8	2326.4	2321.6	2302.4	2256.9	2235.3	2218.5	2208.9	2188.5	2175.4	2162.2
25°	2250.9	2230.5	2199.3	2177.8	2159.8	2150.2	2143.0	2141.8	2139.4	2137.0	2131.0
27.5°	2133.4	2126.2	2109.4	2101.0	2102.2	2105.8	2107.0	2110.6	2107.0	2102.2	2097.5
30°	2045.9	2049.5	2050.7	2053.1	2059.1	2062.7	2063.9	2068.7	2066.3	2062.7	2060.3
32.5°	1990.8	1999.2	2004.0	2011.2	2014.8	2020.7	2020.7	2027.9	2020.7	2019.5	2017.1
35°	1945.2	1952.4	1954.8	1965.6	1969.2	1975.2	1975.2	1981.2	1975.2	1914.1	1511.4
37.5°	1899.7	1906.9	1911.7	1921.3	1922.5	1926.1	1777.4	1300.4	839.0	649.6	496.2
40°	1845.8	1854.1	1858.9	1862.5	1308.8	830.6	571.7	465.0	465.0	468.6	472.2
42.5°	1788.2	1794.2	1250.1	727.5	453.0	451.9	455.4	459.0	462.6	467.4	472.2
45°	1405.9	709.5	450.7	439.9	443.5	448.3	453.0	457.8	463.8	468.6	471.0
47.5°	461.4	432.7	438.7	433.9	439.9	445.9	450.7	455.4	456.6	457.8	456.6
50°	426.7	426.7	430.3	430.3	435.1	437.5	437.5	437.5	432.7	431.5	427.9
52.5°	412.3	421.9	417.1	419.5	417.1	413.5	409.9	406.3	399.1	396.7	391.9
55°	405.1	408.7	396.7	393.1	388.3	378.7	373.9	369.2	363.2	360.8	354.8
57.5°	388.3	379.9	366.8	360.8	352.4	342.8	338.0	334.4	328.4	326.0	322.4
60°	357.2	340.4	332.0	324.8	315.2	306.8	303.2	300.8	296.0	294.8	291.2
62.5°	318.8	304.4	297.2	287.7	280.5	275.7	272.1	270.9	266.1	266.1	263.7
65°	276.9	269.7	263.7	254.1	250.5	245.7	244.5	243.3	240.9	239.7	237.3
67.5°	243.3	238.5	230.1	225.3	222.9	219.3	216.9	214.5	209.7	207.3	203.8
70°	213.3	209.7	201.4	197.8	193.0	187.0	183.4	181.0	177.4	175.0	171.4
72.5°	184.6	173.8	167.8	164.2	160.6	154.6	153.4	151.0	147.4	146.2	142.6
75°	148.6	140.2	136.6	134.2	130.6	127.0	127.0	127.0	123.5	122.3	121.1
77.5°	118.7	113.9	111.5	109.1	107.9	105.5	101.9	100.7	97.1	97.1	95.9
80°	91.1	88.7	86.3	85.1	83.9	81.5	79.1	77.9	74.3	74.3	73.1
82.5°	67.1	65.9	64.7	63.5	62.3	61.1	57.5	56.3	53.9	53.9	52.7
85°	47.9	46.7	44.3	43.1	43.1	41.9	38.4	37.2	34.8	34.8	34.8
87.5°	30.0	28.8	27.6	26.4	25.2	24.0	21.6	20.4	20.4	18.0	16.8
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: 4SNLED-LD5-62SL-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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2683.5	2703.9	2701.5	2715.9	2719.5	2726.7	2729.1	2730.3	2712.3	2726.7	2727.9
5°	2841.7	2845.3	2847.7	2853.7	2859.7	2860.9	2854.9	2847.7	2850.1	2845.3	2833.4
7.5°	2714.7	2696.7	2693.1	2688.3	2685.9	2683.5	2672.8	2682.3	2671.6	2666.8	2650.0
10°	2558.9	2542.1	2540.9	2540.9	2544.5	2543.3	2540.9	2536.1	2545.7	2539.7	2536.1
12.5°	2477.4	2471.4	2475.0	2472.6	2482.2	2484.6	2482.2	2482.2	2479.8	2475.0	2477.4
15°	2428.3	2423.5	2427.1	2423.5	2430.6	2431.8	2425.9	2429.4	2423.5	2417.5	2415.1
17.5°	2363.5	2352.7	2344.4	2332.4	2333.6	2331.2	2324.0	2324.0	2318.0	2302.4	2303.6
20°	2238.9	2228.1	2223.3	2223.3	2229.3	2231.7	2230.5	2232.9	2226.9	2224.5	2214.9
22.5°	2161.0	2159.8	2162.2	2168.2	2177.8	2190.9	2192.1	2192.1	2192.1	2190.9	2179.0
25°	2133.4	2133.4	2135.8	2144.2	2151.4	2161.0	2163.4	2165.8	2163.4	2163.4	2152.6
27.5°	2102.2	2099.8	2104.6	2113.0	2121.4	2128.6	2134.6	2135.8	2132.2	2132.2	2135.8
30°	2063.9	2062.7	2068.7	2077.1	2084.3	2091.5	2097.5	2102.2	2097.5	2097.5	2093.9
32.5°	2024.3	2024.3	2026.7	1976.4	1832.6	1650.4	1654.0	1548.5	1475.4	1383.1	1505.4
35°	1263.3	919.3	789.8	668.8	583.7	528.6	527.4	509.4	501.0	495.0	493.8
37.5°	477.0	479.4	484.2	486.6	490.2	492.6	493.8	493.8	493.8	493.8	492.6
40°	475.8	480.6	484.2	487.8	491.4	493.8	493.8	495.0	496.2	496.2	496.2
42.5°	477.0	481.8	486.6	490.2	492.6	493.8	495.0	496.2	496.2	496.2	496.2
45°	475.8	478.2	478.2	479.4	479.4	479.4	480.6	480.6	479.4	478.2	480.6
47.5°	457.8	457.8	454.2	453.0	451.9	449.5	450.7	449.5	448.3	447.1	449.5
50°	426.7	421.9	419.5	417.1	415.9	413.5	414.7	413.5	412.3	409.9	413.5
52.5°	389.5	388.3	383.5	381.1	379.9	381.1	378.7	377.5	376.3	375.1	376.3
55°	353.6	348.8	347.6	345.2	344.0	345.2	344.0	342.8	341.6	340.4	341.6
57.5°	321.2	317.6	316.4	314.0	314.0	314.0	314.0	312.8	311.6	310.4	311.6
60°	290.0	287.7	286.5	286.5	285.3	285.3	285.3	284.1	282.9	282.9	284.1
62.5°	263.7	263.7	260.1	258.9	258.9	260.1	258.9	257.7	256.5	255.3	257.7
65°	236.1	231.3	230.1	227.7	225.3	226.5	225.3	224.1	222.9	221.7	224.1
67.5°	202.6	201.4	196.6	194.2	193.0	194.2	193.0	191.8	190.6	189.4	191.8
70°	170.2	170.2	165.4	164.2	163.0	163.0	161.8	161.8	160.6	159.4	161.8
72.5°	141.4	141.4	140.2	137.8	136.6	135.4	134.2	133.0	133.0	134.2	134.2
75°	117.5	115.1	110.3	111.5	110.3	109.1	109.1	107.9	106.7	109.1	107.9
77.5°	92.3	91.1	87.5	88.7	87.5	86.3	86.3	85.1	83.9	85.1	85.1
80°	69.5	69.5	68.3	67.1	67.1	65.9	64.7	64.7	63.5	64.7	64.7
82.5°	50.3	50.3	49.1	47.9	46.7	46.7	45.5	45.5	45.5	45.5	45.5
85°	32.4	31.2	31.2	28.8	28.8	28.8	27.6	27.6	27.6	27.6	27.6
87.5°	15.6	15.6	14.4	14.4	13.2	12.0	12.0	10.8	10.8	12.0	12.0
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: 4SNLED-LD5-62SL-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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2706.3	2721.9	2708.7	2714.7	2715.9	2736.3	2735.1	2739.9	2731.5	2721.9	2708.7
5°	2844.1	2837.0	2827.4	2850.1	2838.2	2852.5	2857.3	2866.9	2866.9	2865.7	2854.9
7.5°	2668.0	2652.4	2664.4	2672.8	2676.3	2666.8	2685.9	2707.5	2725.5	2736.3	2737.5
10°	2530.1	2534.9	2533.7	2537.3	2545.7	2544.5	2556.5	2568.5	2573.3	2580.5	2582.9
12.5°	2465.4	2464.2	2466.6	2475.0	2479.8	2478.6	2490.6	2497.8	2500.2	2501.4	2500.2
15°	2413.9	2405.5	2411.5	2412.7	2416.3	2416.3	2430.6	2441.4	2446.2	2448.6	2446.2
17.5°	2316.8	2296.4	2315.6	2315.6	2328.8	2326.4	2349.1	2367.1	2376.7	2383.9	2383.9
20°	2220.9	2211.3	2218.5	2216.1	2225.7	2224.5	2238.9	2250.9	2259.3	2265.2	2272.4
22.5°	2182.5	2184.9	2174.2	2175.4	2175.4	2174.2	2181.4	2187.3	2189.7	2193.3	2190.9
25°	2157.4	2159.8	2156.2	2150.2	2147.8	2150.2	2153.8	2161.0	2162.2	2159.8	2151.4
27.5°	2132.2	2125.0	2131.0	2120.2	2117.8	2122.6	2127.4	2128.6	2129.8	2129.8	2122.6
30°	2093.9	2087.9	2093.9	2089.1	2084.3	2089.1	2092.7	2092.7	2095.1	2096.3	2087.9
32.5°	1463.4	1475.4	1669.6	1787.0	1952.4	2036.3	2051.9	2051.9	2054.3	2054.3	2047.1
35°	498.6	499.8	540.5	586.1	683.2	803.0	960.0	1041.5	1317.2	1646.8	1965.6
37.5°	492.6	491.4	490.2	489.0	487.8	486.6	484.2	483.0	490.2	581.3	788.6
40°	495.0	493.8	491.4	490.2	489.0	486.6	485.4	483.0	480.6	478.2	475.8
42.5°	495.0	493.8	492.6	491.4	490.2	489.0	486.6	484.2	481.8	478.2	474.6
45°	478.2	478.2	479.4	479.4	480.6	480.6	480.6	479.4	479.4	478.2	473.4
47.5°	447.1	447.1	450.7	450.7	453.0	455.4	455.4	457.8	461.4	463.8	465.0
50°	411.1	411.1	414.7	415.9	418.3	421.9	425.5	426.7	430.3	435.1	439.9
52.5°	375.1	375.1	378.7	378.7	381.1	384.7	388.3	389.5	394.3	399.1	405.1
55°	341.6	341.6	344.0	345.2	346.4	348.8	352.4	352.4	357.2	360.8	366.8
57.5°	311.6	314.0	314.0	314.0	315.2	317.6	320.0	320.0	323.6	327.2	332.0
60°	282.9	285.3	285.3	285.3	286.5	287.7	290.0	290.0	292.4	294.8	299.6
62.5°	256.5	258.9	258.9	260.1	260.1	261.3	263.7	262.5	264.9	266.1	269.7
65°	222.9	225.3	226.5	227.7	228.9	231.3	234.9	233.7	237.3	239.7	243.3
67.5°	190.6	193.0	193.0	194.2	195.4	197.8	200.2	200.2	203.8	206.1	210.9
70°	160.6	163.0	163.0	164.2	165.4	167.8	170.2	169.0	172.6	175.0	178.6
72.5°	133.0	135.4	135.4	136.6	136.6	139.0	141.4	143.8	143.8	146.2	148.6
75°	107.9	109.1	110.3	110.3	111.5	112.7	115.1	117.5	118.7	119.9	122.3
77.5°	85.1	86.3	87.5	87.5	88.7	89.9	91.1	95.9	98.3	99.5	99.5
80°	64.7	65.9	65.9	65.9	67.1	68.3	70.7	70.7	75.5	75.5	76.7
82.5°	45.5	46.7	46.7	46.7	47.9	50.3	51.5	52.7	55.1	56.3	56.3
85°	27.6	28.8	28.8	28.8	30.0	31.2	33.6	34.8	36.0	36.0	37.2
87.5°	10.8	12.0	13.2	13.2	14.4	15.6	16.8	18.0	19.2	19.2	20.4
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: 4SNLED-LD5-62SL-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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2694.3	2702.7	2694.3	2699.1	2705.1	2694.3	2669.2	2659.6	2656.0	2641.6	2632.0
5°	2844.1	2844.1	2840.5	2850.1	2848.9	2832.2	2805.8	2793.8	2781.8	2766.2	2754.3
7.5°	2737.5	2747.1	2753.1	2790.2	2814.2	2816.6	2833.4	2837.0	2841.7	2837.0	2829.8
10°	2584.1	2580.5	2597.2	2632.0	2652.4	2663.2	2695.5	2711.1	2724.3	2750.7	2778.2
12.5°	2497.8	2502.6	2509.8	2534.9	2554.1	2549.3	2562.5	2573.3	2588.9	2615.2	2654.8
15°	2440.2	2445.0	2452.2	2471.4	2483.4	2477.4	2484.6	2491.8	2502.6	2515.7	2539.7
17.5°	2377.9	2386.3	2394.7	2415.1	2425.9	2424.7	2430.6	2433.0	2436.6	2445.0	2461.8
20°	2280.8	2307.2	2324.0	2351.5	2367.1	2364.7	2375.5	2379.1	2383.9	2392.3	2399.5
22.5°	2192.1	2199.3	2207.7	2237.7	2264.0	2296.4	2303.6	2313.2	2325.2	2333.6	2340.8
25°	2141.8	2137.0	2140.6	2161.0	2175.4	2177.8	2188.5	2219.7	2252.1	2266.4	2283.2
27.5°	2111.8	2107.0	2105.8	2115.4	2117.8	2111.8	2109.4	2119.0	2143.0	2167.0	2217.3
30°	2079.5	2073.5	2068.7	2077.1	2080.7	2072.3	2056.7	2048.3	2062.7	2068.7	2089.1
32.5°	2041.1	2035.1	2032.7	2037.5	2039.9	2032.7	2016.0	2006.4	2004.0	1999.2	2004.0
35°	1998.0	1992.0	1988.4	1989.6	1994.4	1988.4	1974.0	1962.0	1956.0	1942.8	1933.3
37.5°	1029.5	1458.6	1893.7	1939.2	1944.0	1942.8	1928.5	1915.3	1909.3	1893.7	1888.9
40°	471.0	526.2	789.8	1031.9	1488.6	1891.3	1878.1	1864.9	1854.1	1849.4	1831.4
42.5°	469.8	471.0	472.2	466.2	577.7	984.0	1452.6	1813.4	1806.2	1794.2	1781.0
45°	469.8	463.8	468.6	461.4	463.8	462.6	576.5	930.1	1655.2	1729.5	1723.5
47.5°	465.0	461.4	466.2	460.2	453.0	456.6	451.9	457.8	714.3	1211.7	1660.0
50°	443.5	445.9	454.2	453.0	447.1	451.9	443.5	450.7	444.7	487.8	939.7
52.5°	411.1	415.9	424.3	431.5	433.9	439.9	437.5	439.9	435.1	436.3	437.5
55°	372.7	378.7	385.9	396.7	401.5	411.1	418.3	421.9	427.9	426.7	417.1
57.5°	336.8	342.8	348.8	359.6	370.4	375.1	388.3	395.5	411.1	407.5	405.1
60°	303.2	308.0	314.0	316.4	329.6	338.0	350.0	357.2	377.5	382.3	389.5
62.5°	273.3	275.7	280.5	284.1	292.4	300.8	306.8	318.8	329.6	345.2	356.0
65°	245.7	248.1	251.7	254.1	255.3	267.3	270.9	284.1	287.7	304.4	314.0
67.5°	214.5	219.3	224.1	226.5	228.9	236.1	238.5	244.5	252.9	260.1	272.1
70°	182.2	185.8	190.6	194.2	199.0	203.8	210.9	214.5	220.5	225.3	234.9
72.5°	152.2	155.8	158.2	161.8	165.4	169.0	175.0	183.4	188.2	196.6	199.0
75°	123.5	127.0	129.4	131.8	135.4	137.8	140.2	148.6	153.4	160.6	167.8
77.5°	101.9	101.9	104.3	111.5	110.3	110.3	112.7	117.5	121.1	125.8	133.0
80°	79.1	80.3	81.5	87.5	88.7	89.9	88.7	92.3	95.9	97.1	101.9
82.5°	58.7	59.9	59.9	63.5	67.1	67.1	67.1	68.3	71.9	73.1	75.5
85°	39.6	40.8	41.9	43.1	45.5	46.7	47.9	47.9	50.3	51.5	52.7
87.5°	21.6	24.0	25.2	26.4	27.6	28.8	30.0	31.2	32.4	33.6	34.8
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: 4SNLED-LD5-62SL-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°	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2	2615.2
2.5°	2628.4	2622.4	2618.8	2609.2	2606.8	2591.3	2593.6	2591.3	2591.3	2594.8	2606.8
5°	2741.1	2712.3	2705.1	2684.7	2668.0	2639.2	2621.2	2611.6	2597.2	2591.3	2599.6
7.5°	2817.8	2796.2	2778.2	2760.2	2736.3	2702.7	2677.5	2648.8	2624.8	2602.0	2596.0
10°	2804.6	2828.6	2828.6	2817.8	2795.0	2761.4	2731.5	2695.5	2653.6	2617.6	2596.0
12.5°	2693.1	2735.1	2768.6	2793.8	2816.6	2793.8	2763.8	2735.1	2688.3	2635.6	2596.0
15°	2570.9	2614.0	2656.0	2708.7	2763.8	2786.6	2785.4	2751.9	2709.9	2654.8	2599.6
17.5°	2484.6	2514.5	2537.3	2594.8	2662.0	2720.7	2760.2	2762.6	2721.9	2672.8	2600.8
20°	2419.9	2441.4	2460.6	2493.0	2551.7	2623.6	2696.7	2737.5	2730.3	2676.3	2604.4
22.5°	2361.1	2376.7	2392.3	2416.3	2463.0	2509.8	2594.8	2678.7	2714.7	2670.4	2600.8
25°	2302.4	2319.2	2331.2	2347.9	2385.1	2423.5	2483.4	2587.7	2668.0	2665.6	2593.6
27.5°	2232.9	2255.7	2270.0	2292.8	2318.0	2346.7	2387.5	2485.8	2600.8	2641.6	2574.5
30°	2149.0	2182.5	2204.1	2229.3	2250.9	2276.0	2308.4	2368.3	2510.9	2594.8	2554.1
32.5°	2027.9	2087.9	2135.8	2159.8	2183.7	2205.3	2234.1	2284.4	2400.7	2531.3	2531.3
35°	1941.6	1969.2	2012.4	2081.9	2111.8	2133.4	2159.8	2199.3	2273.6	2455.8	2494.2
37.5°	1874.5	1885.3	1906.9	1975.2	2031.5	2066.3	2092.7	2117.8	2190.9	2352.7	2446.2
40°	1824.2	1820.6	1818.2	1850.6	1930.9	1986.0	2016.0	2041.1	2097.5	2229.3	2382.7
42.5°	1765.5	1761.9	1749.9	1758.3	1797.8	1890.1	1935.6	1963.2	2010.0	2099.8	2313.2
45°	1704.3	1698.3	1693.5	1685.2	1699.5	1751.1	1844.6	1885.3	1911.7	1992.0	2225.7
47.5°	1642.0	1633.6	1627.6	1620.4	1612.0	1636.0	1724.7	1797.8	1843.4	1893.7	2120.2
50°	1553.3	1564.1	1556.9	1548.5	1541.3	1536.5	1573.7	1693.5	1749.9	1790.6	1992.0
52.5°	732.3	1423.9	1483.8	1475.4	1465.8	1457.4	1465.8	1556.9	1658.8	1691.1	1837.4
55°	417.1	634.0	1319.6	1395.1	1386.7	1374.7	1367.5	1398.7	1550.9	1594.1	1695.9
57.5°	401.5	402.7	582.5	1257.3	1304.0	1293.2	1284.8	1292.0	1421.5	1494.6	1572.5
60°	388.3	388.3	388.3	556.1	1202.1	1205.7	1194.9	1183.0	1239.3	1383.1	1447.8
62.5°	359.6	366.8	370.4	370.4	548.9	1113.4	1102.7	1099.1	1101.5	1248.9	1323.2
65°	322.4	339.2	346.4	351.2	351.2	576.5	1008.0	1002.0	993.6	1049.9	1197.3
67.5°	281.7	298.4	314.0	323.6	324.8	335.6	601.7	902.5	890.5	891.7	1063.1
70°	239.7	254.1	270.9	285.3	298.4	304.4	314.0	749.1	788.6	771.9	910.9
72.5°	207.3	213.3	225.3	239.7	255.3	269.7	278.1	298.4	684.4	666.4	692.8
75°	172.6	177.4	185.8	195.4	207.3	224.1	238.5	252.9	363.2	558.5	554.9
77.5°	134.2	142.6	152.2	158.2	164.2	176.2	195.4	209.7	224.1	377.5	444.7
80°	103.1	109.1	113.9	119.9	127.0	135.4	142.6	159.4	176.2	189.4	340.4
82.5°	76.7	80.3	83.9	86.3	88.7	93.5	106.7	112.7	123.5	135.4	160.6
85°	53.9	56.3	58.7	59.9	61.1	62.3	67.1	68.3	79.1	81.5	97.1
87.5°	34.8	36.0	38.4	39.6	39.6	40.8	41.9	41.9	41.9	39.6	47.9
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: 4SNLED-LD5-62SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2615.2	2615.2
2.5°	2616.4	2635.6
5°	2612.8	2638.0
7.5°	2603.2	2627.2
10°	2588.9	2617.6
12.5°	2573.3	2600.8
15°	2560.1	2580.5
17.5°	2545.7	2557.7
20°	2526.5	2536.1
22.5°	2507.4	2502.6
25°	2485.8	2475.0
27.5°	2458.2	2437.8
30°	2433.0	2397.1
32.5°	2409.1	2350.3
35°	2376.7	2302.4
37.5°	2343.2	2253.3
40°	2303.6	2196.9
42.5°	2261.7	2140.6
45°	2208.9	2086.7
47.5°	2162.2	2021.9
50°	2097.5	1952.4
52.5°	2018.3	1887.7
55°	1924.9	1808.6
57.5°	1824.2	1725.9
60°	1716.3	1631.2
62.5°	1585.7	1532.9
65°	1432.3	1420.3
67.5°	1232.1	1295.6
70°	1010.4	1153.0
72.5°	845.0	1002.0
75°	692.8	833.0
77.5°	548.9	653.2
80°	342.8	478.2
82.5°	230.1	314.0
85°	139.0	149.8
87.5°	53.9	55.1
90°	0.0	0.0

(END OF REPORT)