

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1213423

Luminaire Tested: 4SNLED-LD5-42SL-RM-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)
Test Lab: INNOVATIONS CENTER-P3
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4SNLED-LD5-42SL-RM-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

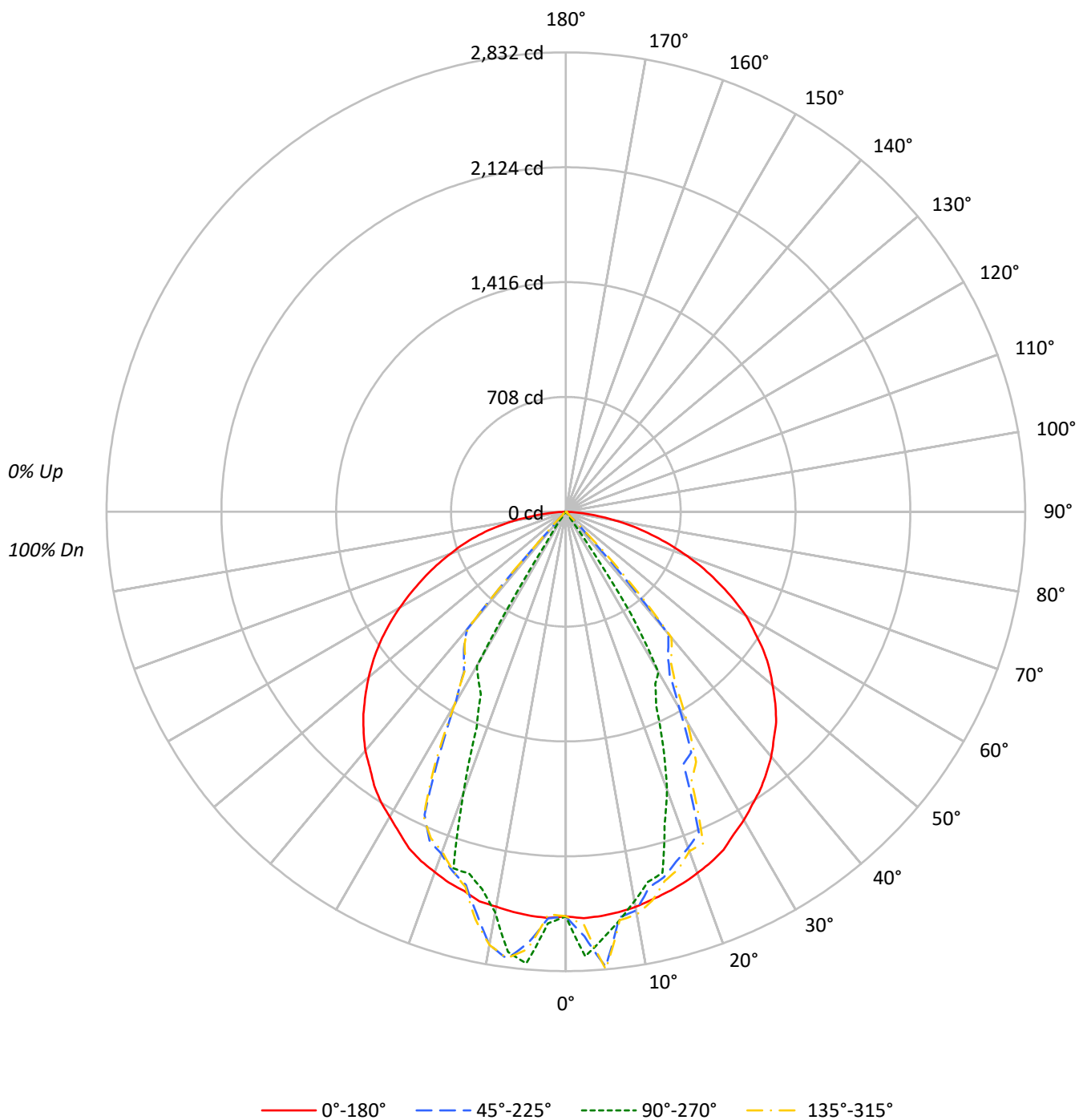
Lumens per Lamp: N/A
Luminaire Lumens: 3545.9 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 31
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: 24 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	112	108	105	103	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	105	98	93	89	102	97	92	88	93	89	86		90	87	84		87	85	82	81
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	85	75	68	63	84	74	68	63	72	66	62		71	65	61		69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	41		49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20152	20152	20152	20152
5°	20235	20727	20228	21949
10°	20186	18755	20174	19297
15°	20132	17506	20082	17551
20°	20154	13789	20098	13958
25°	20213	9978	20114	9416
30°	20121	8753	19908	8415
35°	20180	193	19884	234
40°	20250	42	19765	42
45°	20321	25	19557	18
50°	20166	19	19240	19
55°	20047	14	18816	14
60°	19668	15	18130	15
65°	18643	23	17315	16
70°	17294	26	16465	26
75°	15298	29	15549	29
80°	12425	33	13136	33
85°	7310	39	7467	39

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°

Vertical Angle: 45°

Luminance: 21942 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.2	7.1
10°-20°	682.5	19.2
20°-30°	868.4	24.5
30°-40°	733.6	20.7
40°-50°	479.6	13.5
50°-60°	302.2	8.5
60°-70°	160.8	4.5
70°-80°	58.6	1.7
80°-90°	10.1	0.3
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°	1801.1	50.8
0°-40°	2534.6	71.5
0°-60°	3316.4	93.5
0°-90°	3545.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3545.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2494	2494	2494	2494	2494	
5°	2501	2639	2500	2795	2501	238
15°	2426	2303	2420	2309	2426	686
25°	2300	1315	2289	1241	2300	1058
35°	2090	25	2060	30	2090	1308
45°	1834	3	1765	2	1834	1410
55°	1486	2	1395	2	1486	1324
65°	1040	2	966	2	1040	1030
75°	547	2	556	2	547	581
85°	107	2	109	2	107	135
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2508.0	2509.5	2510.3	2511.8	2514.0	2514.8	2516.3	2514.8	2514.8	2514.8	2514.8
5°	2501.3	2504.3	2506.5	2509.5	2514.8	2515.5	2521.5	2522.3	2525.2	2531.2	2535.7
7.5°	2490.1	2493.1	2497.6	2505.0	2512.5	2520.8	2531.2	2542.5	2558.2	2573.1	2591.9
10°	2473.6	2477.3	2482.6	2489.3	2526.0	2531.2	2554.4	2586.6	2595.6	2642.8	2677.9
12.5°	2449.7	2462.4	2475.8	2481.8	2517.0	2572.4	2650.2	2634.5	2617.3	2771.5	2769.2
15°	2426.5	2443.7	2436.9	2485.6	2517.8	2614.3	2581.4	2651.7	2780.5	2749.0	2750.5
17.5°	2401.8	2405.5	2442.9	2483.3	2541.0	2590.4	2630.8	2727.3	2752.8	2755.0	2727.3
20°	2370.3	2388.3	2442.9	2479.6	2576.9	2600.1	2687.7	2737.1	2726.6	2701.1	2654.0
22.5°	2338.1	2392.8	2448.2	2499.8	2567.9	2630.0	2673.4	2696.6	2642.0	2541.7	2487.8
25°	2300.0	2332.1	2404.7	2480.3	2565.7	2601.6	2627.0	2589.6	2518.5	2428.7	2338.1
27.5°	2240.8	2292.5	2385.3	2470.6	2547.7	2591.1	2549.9	2460.1	2345.6	2286.5	2245.3
30°	2195.2	2262.5	2338.9	2421.2	2501.3	2526.7	2422.0	2319.4	2240.8	2181.7	2172.7
32.5°	2139.8	2235.6	2308.2	2386.8	2454.1	2420.5	2318.7	2186.2	2121.1	2098.6	2107.6
35°	2090.4	2163.0	2258.1	2335.1	2383.8	2308.2	2147.3	2065.0	2033.5	2046.2	2029.8
37.5°	2031.3	2127.1	2214.6	2281.3	2264.8	2151.0	2014.8	1962.4	1966.2	1955.7	1924.2
40°	1969.9	2061.2	2152.5	2215.4	2157.8	1984.1	1893.6	1882.3	1884.6	1850.9	1806.0
42.5°	1898.1	1981.1	2072.4	2129.3	2005.1	1869.6	1808.2	1809.7	1790.3	1743.1	1719.2
45°	1833.7	1910.0	2005.1	2010.3	1857.6	1744.6	1726.7	1707.2	1663.8	1648.1	1630.1
47.5°	1751.4	1835.9	1914.5	1886.1	1713.2	1642.8	1629.4	1586.7	1565.0	1553.0	1538.1
50°	1663.8	1749.1	1821.0	1740.1	1577.0	1560.5	1516.3	1482.7	1467.7	1455.0	1441.5
52.5°	1580.7	1651.1	1724.4	1585.2	1472.2	1456.5	1406.3	1386.9	1371.9	1357.7	1354.7
55°	1486.4	1548.5	1598.7	1437.8	1371.9	1335.2	1299.3	1285.8	1271.6	1264.9	1276.1
57.5°	1379.4	1449.7	1442.2	1292.6	1263.4	1210.2	1196.8	1187.8	1177.3	1181.8	1088.2
60°	1282.8	1336.7	1300.0	1186.3	1136.9	1101.0	1089.0	1083.0	1089.0	997.7	877.2
62.5°	1163.8	1224.5	1150.4	1062.0	1009.6	992.4	982.0	990.2	902.6	802.3	773.1
65°	1040.3	1106.2	996.9	928.8	895.9	880.9	880.2	810.6	724.5	685.6	685.6
67.5°	921.3	989.4	848.7	791.9	779.1	780.6	737.2	631.7	607.7	581.5	505.9
70°	794.8	854.7	701.3	666.9	659.4	654.1	548.6	520.2	491.7	422.1	416.1
72.5°	669.1	698.3	563.6	555.3	553.8	460.3	439.3	390.7	357.8	349.5	345.8
75°	547.1	538.1	445.3	452.8	381.7	348.8	315.1	286.7	282.2	279.2	69.6
77.5°	431.9	386.9	351.0	305.4	273.2	232.0	225.3	220.8	145.2	52.4	42.7
80°	314.3	250.7	233.5	198.3	169.1	162.4	166.2	50.9	40.4	33.7	29.2
82.5°	199.8	160.2	131.0	114.5	111.5	48.6	35.9	29.2	25.4	21.7	18.0
85°	107.0	71.1	65.9	55.4	32.9	22.5	18.7	14.2	12.0	9.7	9.0
87.5°	33.7	28.4	23.2	18.7	11.2	7.5	6.0	5.2	4.5	3.7	3.7
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):

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2513.3	2514.8	2514.0	2516.3	2516.3	2519.3	2521.5	2523.8	2528.2	2530.5	2547.7
5°	2545.5	2549.2	2560.4	2570.9	2583.6	2587.4	2609.1	2614.3	2639.8	2642.8	2726.6
7.5°	2617.3	2631.5	2658.5	2685.4	2712.4	2729.6	2759.5	2778.2	2798.4	2816.4	2883.0
10°	2704.1	2728.1	2754.3	2781.2	2796.9	2829.9	2847.8	2850.8	2845.6	2816.4	2708.6
12.5°	2789.4	2813.4	2802.2	2807.4	2826.1	2767.7	2776.0	2734.1	2763.3	2618.8	2511.8
15°	2777.5	2776.0	2748.3	2658.5	2673.4	2561.9	2517.0	2482.6	2510.3	2495.3	2478.8
17.5°	2741.5	2673.4	2625.5	2517.8	2472.1	2440.7	2441.4	2442.2	2428.7	2442.9	2401.0
20°	2589.6	2513.3	2442.2	2404.0	2390.5	2368.1	2379.3	2368.1	2368.8	2373.3	2308.9
22.5°	2387.5	2364.3	2323.2	2335.1	2330.7	2350.9	2335.9	2312.7	2320.2	2286.5	2237.8
25°	2306.0	2279.0	2277.5	2282.0	2275.3	2266.3	2252.8	2217.6	2215.4	2204.9	2182.5
27.5°	2223.6	2225.1	2229.6	2216.1	2192.2	2174.2	2154.0	2136.8	2143.5	2131.6	2100.9
30°	2166.7	2166.0	2139.1	2127.1	2082.9	2083.7	2078.4	2067.9	2061.2	2062.0	2042.5
32.5°	2085.9	2062.7	2032.0	2017.1	2013.3	1999.8	1989.4	1991.6	1996.8	1978.1	1998.3
35°	2002.8	1954.9	1950.4	1937.7	1925.7	1916.8	1920.5	1905.5	1904.8	1902.5	1737.9
37.5°	1891.3	1868.1	1865.9	1852.4	1844.2	1841.9	1827.7	1829.9	1836.7	1848.7	1481.9
40°	1799.3	1778.3	1773.1	1772.3	1754.4	1752.9	1756.6	1770.8	1780.5	1705.7	1412.3
42.5°	1700.5	1702.0	1685.5	1675.0	1677.3	1684.0	1702.0	1652.6	1431.8	1364.4	1291.1
45°	1615.9	1608.4	1599.4	1596.4	1615.9	1602.4	1404.8	1296.3	1270.1	1267.1	1061.3
47.5°	1527.6	1525.3	1521.6	1523.8	1413.1	1259.6	1214.7	1200.5	1205.0	1202.0	911.6
50°	1438.5	1441.5	1441.5	1258.9	1155.6	1130.1	1133.9	1146.6	1067.3	996.2	849.5
52.5°	1361.4	1338.2	1146.6	1080.8	1057.6	1068.8	1041.8	942.3	870.4	828.5	785.9
55°	1218.5	1047.8	1005.2	994.7	1002.9	903.4	842.0	777.6	758.9	754.4	729.7
57.5°	958.8	924.3	928.1	886.2	791.1	735.0	710.3	701.3	693.1	687.1	59.9
60°	848.0	857.7	785.1	695.3	657.1	649.6	643.7	635.4	633.9	623.5	38.2
62.5°	776.1	682.6	619.7	597.3	588.3	586.0	574.8	571.1	485.0	66.6	28.4
65°	585.3	547.1	535.1	529.9	520.2	520.2	431.9	68.1	55.4	47.9	25.4
67.5°	477.5	474.5	468.5	461.8	314.3	65.9	57.6	50.1	43.4	38.2	22.5
70°	404.2	402.7	366.7	67.4	56.1	49.4	43.4	38.9	35.9	32.2	20.2
72.5°	331.6	67.4	56.9	49.4	42.7	38.9	35.2	31.4	28.4	26.2	16.5
75°	51.6	45.7	40.4	36.7	33.7	29.9	26.9	24.7	24.0	21.0	11.2
77.5°	37.4	32.2	29.2	26.2	23.2	21.0	18.0	15.7	14.2	12.0	8.2
80°	26.2	23.2	21.0	17.2	15.0	12.7	11.2	9.7	9.0	7.5	3.7
82.5°	15.0	12.7	11.2	9.0	8.2	6.7	6.0	5.2	5.2	3.7	3.7
85°	6.7	6.7	5.2	4.5	3.7	3.7	3.7	3.0	3.0	2.2	2.2
87.5°	3.0	3.0	3.0	3.0	3.0	2.2	2.2	2.2	2.2	2.2	1.5
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):

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2571.7	2581.4	2600.1	2619.6	2597.8	2675.7	2669.7	2695.9	2710.1	2716.8	2732.6
5°	2800.7	2844.1	2858.3	2815.6	2790.9	2765.5	2707.9	2664.5	2669.7	2655.5	2603.8
7.5°	2796.2	2703.4	2578.4	2521.5	2517.0	2510.3	2528.2	2538.7	2540.2	2539.5	2538.0
10°	2559.7	2511.8	2503.5	2496.1	2499.1	2471.4	2458.6	2422.7	2442.2	2431.7	2435.4
12.5°	2487.8	2476.6	2432.4	2371.1	2407.7	2380.0	2364.3	2374.8	2362.8	2351.6	2347.9
15°	2445.2	2372.6	2347.9	2332.9	2322.4	2316.4	2321.7	2309.7	2306.0	2303.7	2308.9
17.5°	2356.8	2327.7	2300.7	2261.0	2261.8	2259.5	2274.5	2297.0	2298.5	2183.2	2079.2
20°	2287.2	2263.3	2228.9	2204.2	2237.8	2178.0	1946.7	1836.7	1819.5	1819.5	1822.5
22.5°	2231.9	2178.7	2181.0	2142.0	1826.9	1762.6	1764.1	1770.8	1740.1	1635.3	1624.1
25°	2156.3	2148.0	1984.1	1714.7	1716.9	1666.8	1589.7	1481.2	1363.7	1363.7	1344.2
27.5°	2099.4	1925.0	1685.5	1674.3	1505.9	1399.6	1333.7	1234.2	1220.7	1208.0	1209.5
30°	2050.7	1628.6	1634.6	1399.6	1275.3	1187.0	1181.8	1165.3	1157.1	1154.8	1146.6
32.5°	1621.1	1586.0	1368.2	1191.5	1142.9	1128.7	1121.9	1103.2	1102.5	1088.2	989.4
35°	1520.1	1392.1	1145.1	1097.2	1083.0	1069.5	1058.3	710.3	83.8	33.7	29.2
37.5°	1404.8	1163.1	1059.0	1037.3	1023.9	756.7	75.6	26.2	18.7	13.5	12.0
40°	1190.8	1038.8	1005.9	982.0	404.9	26.2	16.5	12.7	7.5	6.7	6.0
42.5°	1004.4	979.0	943.8	287.4	29.9	12.7	8.2	6.0	5.2	5.2	4.5
45°	940.0	917.6	380.2	28.4	18.7	6.0	5.2	5.2	4.5	3.0	3.0
47.5°	880.2	774.6	34.4	18.0	12.0	5.2	4.5	3.0	3.0	3.0	2.2
50°	816.6	42.7	24.0	13.5	7.5	3.0	3.0	3.0	3.0	2.2	2.2
52.5°	152.7	29.9	19.5	12.0	3.7	3.0	3.0	3.0	2.2	2.2	2.2
55°	35.9	24.0	18.0	10.5	3.0	3.0	3.0	2.2	2.2	2.2	1.5
57.5°	26.9	18.0	14.2	9.7	3.0	2.2	2.2	2.2	2.2	2.2	1.5
60°	22.5	12.7	11.2	9.0	2.2	2.2	2.2	2.2	2.2	2.2	1.5
62.5°	15.7	10.5	8.2	6.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2
65°	12.7	8.2	6.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
67.5°	11.2	6.7	4.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	9.0	2.2	2.2	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	7.5	2.2	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	7.5	3.7	1.5	1.5	2.2	2.2	3.0	3.0	2.2	2.2	2.2
77.5°	5.2	3.7	1.5	1.5	2.2	2.2	3.0	3.0	2.2	2.2	2.2
80°	3.0	3.7	1.5	2.2	2.2	4.5	5.2	3.0	2.2	2.2	2.2
82.5°	3.0	3.7	4.5	4.5	2.2	3.7	4.5	3.7	3.0	2.2	2.2
85°	3.0	2.2	3.0	3.7	2.2	3.7	3.7	3.0	3.0	2.2	2.2
87.5°	1.5	2.2	2.2	3.0	3.0	3.0	3.7	3.0	3.0	3.0	2.2
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: P1213423

CATALOG NUMBER: 4SNLED-LD5-42SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2740.1	2743.0	2695.9	2679.4	2693.6	2690.7	2677.9	2630.8	2625.5	2594.1	2548.4
5°	2618.8	2639.0	2614.3	2657.0	2636.8	2657.0	2718.3	2746.8	2793.2	2821.6	2832.1
7.5°	2534.2	2538.7	2538.7	2542.5	2546.2	2547.0	2542.5	2539.5	2526.7	2511.0	2539.5
10°	2431.7	2436.9	2445.9	2444.4	2443.7	2459.4	2463.1	2495.3	2493.8	2499.8	2521.5
12.5°	2378.6	2338.1	2374.8	2365.1	2378.6	2357.6	2396.5	2389.8	2392.0	2410.0	2456.4
15°	2290.2	2303.0	2311.9	2311.9	2317.2	2312.7	2308.2	2338.9	2357.6	2358.3	2355.4
17.5°	2120.3	2023.8	2122.6	2097.1	2300.0	2305.2	2288.0	2273.8	2273.8	2285.0	2308.9
20°	1820.2	1822.5	1823.2	1832.9	1844.9	1844.2	1844.9	2139.8	2279.8	2247.6	2225.9
22.5°	1595.7	1568.0	1619.6	1615.9	1680.3	1751.4	1819.5	1812.7	1817.2	2025.3	2212.4
25°	1279.1	1315.0	1285.8	1298.5	1371.1	1455.7	1508.1	1645.1	1794.0	1783.5	1832.2
27.5°	1204.2	1194.5	1208.0	1208.0	1217.7	1228.9	1258.1	1335.2	1467.7	1606.9	1738.6
30°	1133.1	1141.4	1142.9	1156.3	1163.8	1171.3	1175.8	1205.0	1234.9	1331.5	1493.9
32.5°	851.0	746.2	982.0	1045.6	1099.5	1112.2	1121.2	1133.1	1154.8	1169.1	1250.6
35°	24.7	24.7	26.2	29.9	38.2	257.5	980.5	1080.8	1095.0	1112.9	1127.9
37.5°	12.0	9.0	10.5	11.2	13.5	18.7	26.9	83.8	933.3	1055.3	1071.8
40°	5.2	5.2	5.2	5.2	6.0	7.5	11.2	18.7	28.4	750.7	1012.6
42.5°	4.5	4.5	4.5	4.5	4.5	4.5	5.2	6.7	13.5	32.2	531.4
45°	3.0	3.0	2.2	3.0	3.0	3.7	4.5	4.5	6.0	20.2	36.7
47.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.7	4.5	13.5	19.5
50°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	10.5	13.5
52.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.5	12.0
55°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	3.0	10.5
57.5°	1.5	1.5	1.5	1.5	1.5	2.2	1.5	1.5	2.2	2.2	9.7
60°	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	9.0
62.5°	2.2	2.2	1.5	2.2	1.5	1.5	2.2	2.2	2.2	2.2	6.0
65°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.5	2.2
67.5°	2.2	2.2	2.2	2.2	1.5	2.2	1.5	2.2	2.2	1.5	1.5
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.5	1.5	1.5	1.5
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.5	1.5	1.5	1.5
75°	2.2	2.2	2.2	2.2	2.2	2.2	3.0	3.0	1.5	1.5	1.5
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	3.7	4.5	3.7	3.7	1.5
80°	2.2	2.2	2.2	2.2	2.2	2.2	3.7	3.7	3.7	3.7	5.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	3.0	3.0	3.0	3.0	3.7
85°	2.2	2.2	2.2	2.2	2.2	2.2	3.0	3.0	3.0	2.2	3.0
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.0	2.2	2.2	2.2
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: P1213423

CATALOG NUMBER: 4SNLED-LD5-42SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2552.2	2526.7	2518.5	2501.3	2499.8	2501.3	2497.6	2492.3	2495.3	2490.1	2485.6
5°	2838.1	2770.0	2725.8	2666.7	2585.1	2567.2	2562.7	2537.2	2528.2	2525.2	2513.3
7.5°	2606.8	2731.1	2805.9	2831.4	2735.6	2713.1	2686.9	2666.0	2645.7	2607.6	2584.4
10°	2504.3	2510.3	2582.1	2666.0	2802.2	2820.9	2835.1	2789.4	2776.7	2679.4	2658.5
12.5°	2480.3	2481.1	2489.3	2540.2	2647.2	2659.2	2709.4	2736.3	2769.2	2788.0	2773.0
15°	2371.1	2431.7	2476.6	2481.1	2490.8	2511.8	2526.7	2620.3	2660.0	2766.2	2760.3
17.5°	2320.2	2339.6	2404.7	2457.9	2448.9	2441.4	2453.4	2466.1	2504.3	2610.6	2609.1
20°	2235.6	2297.7	2332.9	2388.3	2438.4	2440.7	2427.2	2419.7	2404.7	2422.0	2437.7
22.5°	2199.7	2209.4	2275.3	2314.2	2371.1	2391.3	2394.3	2395.0	2386.8	2377.8	2373.3
25°	2195.9	2165.2	2198.9	2247.6	2289.5	2311.2	2335.9	2344.1	2341.1	2341.1	2336.6
27.5°	1797.0	2155.5	2137.6	2169.7	2220.6	2235.6	2248.3	2273.8	2289.5	2300.7	2306.0
30°	1711.7	1776.1	2089.7	2094.1	2145.8	2144.3	2158.5	2179.5	2199.7	2225.9	2232.6
32.5°	1514.1	1672.0	1913.0	2018.6	2072.4	2077.7	2085.2	2091.2	2109.9	2139.1	2164.5
35°	1213.2	1523.1	1639.1	1982.6	1992.4	2002.8	2007.3	2021.5	2027.5	2039.5	2062.0
37.5°	1098.0	1258.9	1572.5	1714.7	1900.3	1909.3	1933.2	1939.2	1948.9	1958.7	1975.9
40°	1031.4	1075.5	1309.0	1531.3	1826.2	1832.2	1840.4	1855.4	1856.1	1867.4	1883.1
42.5°	978.2	1006.7	1074.8	1462.5	1773.8	1773.1	1753.6	1763.3	1767.8	1779.8	1801.5
45°	781.4	944.5	987.9	1194.5	1412.3	1514.1	1709.4	1677.3	1676.5	1681.0	1704.2
47.5°	39.7	888.4	919.1	985.7	1333.7	1337.5	1362.9	1577.0	1609.9	1599.4	1601.7
50°	26.9	61.4	856.2	886.9	1149.6	1242.4	1261.1	1270.9	1394.3	1532.1	1509.6
52.5°	21.0	35.2	524.7	823.3	934.1	1002.2	1122.7	1191.5	1199.0	1254.4	1442.2
55°	18.7	26.9	56.9	759.7	794.1	809.1	879.4	999.9	1097.2	1126.4	1128.7
57.5°	16.5	24.7	38.9	343.5	722.2	725.2	737.2	779.1	866.7	946.8	1037.3
60°	15.0	21.7	30.7	59.1	656.4	663.9	666.1	677.3	687.8	742.5	846.5
62.5°	9.0	17.2	26.9	42.7	519.4	596.5	595.8	603.2	613.0	619.0	639.9
65°	7.5	13.5	23.2	35.9	63.6	79.3	482.0	535.9	541.9	550.1	553.8
67.5°	6.7	12.0	17.2	28.4	47.9	54.6	62.9	77.8	425.1	479.0	486.5
70°	6.0	8.2	14.2	24.0	38.9	41.9	47.2	53.9	63.6	78.6	384.7
72.5°	3.7	6.0	9.7	17.2	29.9	33.7	36.7	41.2	45.7	54.6	62.9
75°	1.5	4.5	8.2	12.7	23.2	25.4	27.7	30.7	34.4	40.4	44.9
77.5°	1.5	3.7	6.7	9.0	15.0	17.2	20.2	22.5	25.4	28.4	32.9
80°	5.2	3.0	4.5	6.7	10.5	11.2	12.7	14.2	16.5	18.7	21.7
82.5°	3.7	4.5	5.2	4.5	5.2	6.7	7.5	9.0	9.7	11.2	12.0
85°	3.0	3.0	3.7	3.7	3.7	3.7	3.7	3.7	4.5	5.2	6.7
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.0	3.0
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: P1213423

CATALOG NUMBER: 4SNLED-LD5-42SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2485.6	2484.1	2479.6	2479.6	2478.8	2481.8	2484.1	2486.3	2485.6	2490.1	2485.6
5°	2504.3	2500.5	2493.8	2487.8	2485.6	2487.1	2484.8	2487.1	2484.1	2487.8	2481.1
7.5°	2555.9	2543.2	2517.0	2506.5	2493.1	2492.3	2485.6	2484.1	2479.6	2479.6	2471.4
10°	2647.2	2585.9	2578.4	2547.0	2535.7	2481.1	2493.1	2472.9	2470.6	2460.9	2457.1
12.5°	2722.1	2674.2	2660.0	2632.3	2600.8	2490.1	2514.8	2471.4	2469.1	2449.7	2429.4
15°	2723.6	2751.3	2712.4	2636.0	2629.3	2552.9	2502.8	2487.8	2468.4	2410.0	2419.7
17.5°	2636.0	2699.6	2718.3	2701.9	2654.0	2602.3	2532.0	2502.0	2443.7	2417.5	2399.5
20°	2493.8	2558.2	2638.3	2643.5	2673.4	2636.8	2544.7	2496.1	2425.7	2380.0	2365.1
22.5°	2380.8	2427.9	2520.0	2562.7	2599.3	2612.1	2553.7	2481.8	2394.3	2350.1	2341.1
25°	2320.9	2331.4	2359.1	2409.2	2490.1	2548.4	2556.7	2480.3	2434.7	2338.1	2287.2
27.5°	2299.2	2290.2	2279.0	2304.5	2365.1	2436.2	2483.3	2496.1	2382.3	2290.2	2239.3
30°	2243.8	2249.1	2231.9	2222.9	2262.5	2335.9	2419.7	2440.7	2353.1	2258.1	2199.7
32.5°	2175.7	2184.7	2187.7	2172.0	2163.7	2214.6	2305.2	2355.4	2350.9	2212.4	2147.3
35°	2090.4	2115.8	2122.6	2123.3	2109.9	2101.6	2154.0	2258.1	2297.7	2191.4	2097.1
37.5°	2000.6	2008.1	2044.7	2054.5	2054.5	2029.8	2068.7	2151.8	2207.2	2144.3	2035.8
40°	1888.3	1912.3	1946.7	1963.9	1981.1	1983.4	1961.7	2020.0	2111.4	2095.6	1978.1
42.5°	1806.7	1822.5	1843.4	1866.6	1901.8	1910.8	1888.3	1898.8	1993.9	2035.0	1903.3
45°	1711.7	1732.6	1738.6	1764.1	1800.8	1826.9	1826.2	1804.5	1880.8	1931.7	1848.7
47.5°	1614.4	1634.6	1645.1	1657.8	1684.7	1718.4	1737.1	1727.4	1742.4	1841.9	1776.1
50°	1514.1	1525.3	1546.3	1560.5	1578.5	1597.9	1642.8	1651.8	1630.9	1710.2	1696.0
52.5°	1419.0	1422.8	1437.0	1451.2	1475.2	1489.4	1525.3	1552.3	1550.8	1574.0	1606.9
55°	1345.0	1328.5	1331.5	1342.7	1358.4	1380.1	1400.3	1442.2	1456.5	1461.0	1513.4
57.5°	1050.8	1220.0	1234.9	1234.2	1252.9	1262.6	1281.3	1309.0	1359.9	1348.7	1407.1
60°	955.0	973.7	1115.2	1131.6	1138.4	1147.4	1169.8	1195.3	1232.7	1256.6	1282.1
62.5°	728.2	842.0	884.7	1009.6	1029.1	1034.3	1049.3	1061.3	1100.2	1154.8	1144.4
65°	563.6	612.2	742.5	793.3	899.6	913.1	934.1	946.8	958.0	1020.9	1023.9
67.5°	487.2	494.7	529.9	627.9	695.3	799.3	812.1	823.3	840.5	885.4	913.1
70°	416.1	425.1	434.8	443.1	530.6	599.5	696.1	699.8	711.0	741.0	803.8
72.5°	78.6	355.5	361.5	366.7	376.5	422.1	514.2	589.0	593.5	607.7	665.4
75°	53.1	62.1	85.3	293.4	303.1	306.1	321.8	415.4	484.2	487.2	512.7
77.5°	38.2	42.7	51.6	61.4	156.4	235.0	238.8	256.0	327.1	378.7	383.2
80°	26.2	29.2	34.4	38.9	47.9	62.9	173.6	178.9	187.9	259.0	272.4
82.5°	15.0	17.2	20.2	24.7	28.4	35.9	46.4	59.9	122.0	130.2	172.9
85°	7.5	8.2	9.7	12.0	14.2	17.2	23.2	28.4	38.9	70.4	72.6
87.5°	3.7	3.7	3.7	3.7	6.0	6.7	8.2	10.5	13.5	20.2	26.2
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: P1213423

CATALOG NUMBER: 4SNLED-LD5-42SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2486.3	2496.8	2505.8	2508.0	2508.0	2509.5	2511.8	2513.3	2514.8	2516.3	2514.8
5°	2481.8	2493.1	2500.5	2502.8	2502.8	2507.3	2511.0	2515.5	2517.8	2517.8	2516.3
7.5°	2470.6	2478.8	2488.6	2494.6	2495.3	2502.8	2509.5	2508.8	2511.8	2513.3	2517.0
10°	2455.6	2455.6	2472.1	2476.6	2480.3	2488.6	2490.8	2495.3	2505.8	2507.3	2517.0
12.5°	2448.2	2440.7	2460.1	2462.4	2475.1	2464.6	2478.1	2482.6	2472.1	2486.3	2467.6
15°	2414.5	2423.5	2420.5	2427.2	2449.7	2437.7	2474.4	2462.4	2489.3	2457.1	2514.0
17.5°	2386.8	2385.3	2397.3	2403.3	2407.7	2433.2	2442.9	2456.4	2466.9	2457.9	2480.3
20°	2366.6	2354.6	2363.6	2370.3	2386.0	2405.5	2411.5	2391.3	2426.5	2486.3	2500.5
22.5°	2328.4	2320.2	2330.7	2330.7	2354.6	2351.6	2374.1	2361.3	2394.3	2463.9	2536.5
25°	2276.8	2277.5	2288.7	2302.2	2306.7	2340.4	2352.4	2368.8	2410.0	2493.1	2537.2
27.5°	2224.4	2219.9	2226.6	2254.3	2277.5	2302.2	2306.0	2362.1	2418.2	2475.1	2514.0
30°	2172.0	2167.5	2172.0	2192.2	2219.9	2236.3	2277.5	2352.4	2404.7	2443.7	2480.3
32.5°	2115.8	2111.4	2121.8	2136.8	2185.5	2187.7	2269.3	2339.6	2380.8	2409.2	2402.5
35°	2056.0	2050.0	2059.7	2082.9	2127.8	2144.3	2229.6	2282.0	2328.4	2341.9	2310.4
37.5°	1984.1	1973.6	1985.6	2017.8	2065.0	2112.9	2184.0	2244.6	2269.3	2233.4	2195.9
40°	1909.3	1901.8	1922.8	1939.2	1994.6	2061.2	2142.8	2185.5	2169.7	2128.6	2087.4
42.5°	1842.7	1826.9	1845.7	1877.1	1940.0	2015.6	2081.4	2105.4	2067.9	2007.3	1959.4
45°	1761.1	1742.4	1764.8	1806.7	1874.1	1960.2	2011.8	2003.6	1940.0	1887.6	1821.7
47.5°	1675.8	1653.3	1675.8	1725.9	1801.5	1892.8	1930.2	1892.8	1812.7	1746.9	1693.7
50°	1591.9	1565.7	1587.4	1663.0	1737.1	1807.5	1806.7	1734.1	1686.2	1614.4	1568.0
52.5°	1508.9	1471.4	1493.1	1575.5	1649.6	1729.7	1670.5	1603.2	1545.5	1482.7	1467.7
55°	1406.3	1365.9	1395.1	1514.8	1571.7	1618.9	1524.6	1465.5	1408.6	1377.1	1358.4
57.5°	1309.0	1264.9	1290.3	1431.8	1473.7	1485.7	1398.8	1315.0	1281.3	1270.9	1243.9
60°	1208.7	1158.6	1182.5	1345.7	1374.9	1326.2	1240.9	1175.8	1169.1	1148.1	1127.2
62.5°	1112.9	1057.6	1072.5	1238.7	1252.1	1163.8	1085.2	1068.0	1051.6	1030.6	1019.4
65°	1002.9	945.3	966.2	1124.9	1112.2	998.4	954.3	950.5	928.8	911.6	928.1
67.5°	901.9	833.8	863.0	1000.7	943.0	850.2	832.3	823.3	806.1	815.8	642.9
70°	791.1	717.0	756.7	866.7	781.4	720.0	713.3	699.8	700.5	556.8	469.3
72.5°	667.6	603.2	660.9	720.0	618.2	600.3	590.5	589.0	475.3	386.2	364.5
75°	559.1	494.0	556.1	578.5	492.5	480.5	479.8	396.7	312.1	297.9	291.1
77.5°	436.3	386.2	445.3	411.6	378.0	364.5	327.1	245.5	235.0	225.3	84.6
80°	294.1	297.9	332.3	283.7	269.4	229.8	181.1	173.6	149.7	59.9	47.2
82.5°	178.9	224.5	211.8	177.4	173.6	125.0	114.5	58.4	43.4	34.4	29.9
85°	92.8	113.8	109.3	96.5	71.9	64.4	35.9	27.7	22.5	17.2	14.2
87.5°	31.4	41.9	40.4	32.2	24.7	19.5	12.7	10.5	7.5	6.0	5.2
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: P1213423

CATALOG NUMBER: 4SNLED-LD5-42SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2513.3	2513.3	2511.8	2513.3	2514.0	2512.5	2512.5	2514.0	2514.8	2515.5	2519.3
5°	2517.0	2518.5	2520.8	2525.2	2526.0	2535.0	2538.7	2541.0	2543.2	2544.0	2538.7
7.5°	2525.2	2530.5	2535.0	2534.2	2529.0	2514.8	2510.3	2506.5	2513.3	2530.5	2550.7
10°	2532.7	2508.8	2463.9	2525.2	2506.5	2523.8	2574.6	2585.9	2620.3	2668.9	2683.2
12.5°	2481.1	2547.0	2561.2	2492.3	2619.6	2572.4	2628.5	2677.9	2692.1	2741.5	2711.6
15°	2536.5	2568.7	2590.4	2659.2	2651.7	2692.1	2707.9	2698.1	2700.4	2713.1	2746.8
17.5°	2535.7	2600.1	2614.3	2660.7	2692.1	2692.9	2688.4	2683.9	2695.9	2705.6	2685.4
20°	2579.1	2600.1	2627.8	2646.5	2652.5	2660.0	2674.2	2663.0	2640.5	2618.8	2609.8
22.5°	2557.4	2604.6	2628.5	2631.5	2627.8	2604.6	2583.6	2552.2	2541.7	2530.5	2534.2
25°	2561.9	2583.6	2580.6	2568.7	2552.9	2509.5	2499.1	2485.6	2465.4	2416.7	2372.6
27.5°	2529.7	2518.5	2505.0	2475.8	2447.4	2424.2	2398.0	2354.6	2318.7	2266.3	2246.8
30°	2475.8	2430.9	2398.0	2380.8	2353.1	2314.2	2274.5	2221.4	2175.7	2165.2	2155.5
32.5°	2372.6	2328.4	2301.5	2259.5	2212.4	2166.0	2120.3	2099.4	2089.7	2091.2	2082.2
35°	2267.0	2228.1	2187.7	2124.8	2089.7	2043.2	2026.8	2022.3	2013.3	2003.6	1993.1
37.5°	2154.8	2109.1	2048.5	2011.1	1975.9	1957.2	1948.9	1942.2	1926.5	1909.3	1897.3
40°	2046.2	1963.9	1930.2	1893.6	1883.1	1874.8	1862.9	1846.4	1824.7	1821.7	1816.5
42.5°	1901.0	1841.9	1812.7	1805.2	1792.5	1778.3	1767.8	1749.9	1740.9	1746.9	1751.4
45°	1763.3	1733.4	1723.7	1714.7	1690.7	1670.5	1663.8	1657.8	1665.3	1698.2	1619.6
47.5°	1651.8	1639.8	1627.9	1612.9	1590.4	1575.5	1582.2	1588.2	1594.9	1353.2	1234.9
50°	1555.3	1538.8	1520.1	1503.6	1490.2	1488.7	1523.8	1418.3	1187.8	1181.8	1062.0
52.5°	1449.7	1425.0	1413.8	1404.1	1410.1	1432.5	1185.5	1100.2	1055.3	916.8	855.5
55°	1336.0	1314.3	1314.3	1323.2	1291.1	1046.3	1033.6	893.6	809.1	785.1	775.4
57.5°	1222.2	1220.0	1232.7	1127.2	949.8	910.9	765.7	735.0	721.5	718.5	702.8
60°	1118.2	1139.1	953.5	877.2	762.7	687.8	666.9	663.1	648.9	643.7	629.4
62.5°	1035.1	858.5	799.3	652.6	614.5	604.7	593.5	588.3	575.6	508.2	148.9
65°	747.7	706.5	573.3	548.6	545.6	531.4	526.9	473.8	111.5	74.8	63.6
67.5°	564.3	500.7	483.5	479.0	464.8	436.3	129.5	74.1	63.6	55.4	48.6
70°	433.3	422.1	409.4	398.9	117.5	73.3	63.6	53.9	46.4	41.2	37.4
72.5°	354.8	347.3	202.1	77.1	62.9	53.1	47.2	41.2	35.9	32.9	29.9
75°	277.7	77.1	63.6	53.1	45.7	38.9	34.4	30.7	27.7	25.4	23.2
77.5°	62.9	50.9	43.4	36.7	32.9	29.2	26.2	22.5	20.2	18.0	15.0
80°	38.9	33.7	28.4	26.2	22.5	18.7	16.5	15.0	12.0	11.2	9.7
82.5°	25.4	20.2	18.0	15.0	12.0	11.2	9.7	7.5	6.7	6.0	5.2
85°	11.2	9.7	8.2	6.7	5.2	4.5	3.7	3.0	3.0	3.0	3.0
87.5°	3.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.5	1.5
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: P1213423

CATALOG NUMBER: 4SNLED-LD5-42SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2520.8	2534.2	2547.0	2543.2	2529.7	2508.8	2502.8	2494.6	2500.5	2513.3	2518.5
5°	2538.7	2531.2	2558.2	2597.8	2662.2	2668.2	2713.1	2723.6	2759.5	2782.0	2781.2
7.5°	2564.2	2670.4	2714.6	2762.5	2784.2	2779.0	2785.7	2780.5	2772.2	2768.5	2764.0
10°	2693.6	2774.5	2790.9	2790.9	2757.3	2711.6	2692.1	2658.5	2591.1	2592.6	2581.4
12.5°	2769.2	2797.7	2758.8	2725.8	2590.4	2538.0	2481.1	2454.1	2438.4	2414.5	2423.5
15°	2729.6	2689.2	2666.0	2559.7	2476.6	2382.3	2383.8	2367.3	2350.1	2351.6	2340.4
17.5°	2671.2	2639.0	2474.4	2401.0	2360.6	2323.9	2317.2	2295.5	2284.2	2280.5	2279.8
20°	2591.1	2475.1	2352.4	2334.4	2285.7	2243.8	2237.1	2243.8	2278.3	2216.9	2008.8
22.5°	2497.6	2330.7	2294.7	2243.8	2210.9	2194.4	2235.6	2048.5	1765.6	1800.0	1763.3
25°	2338.9	2266.3	2204.9	2166.0	2162.3	2061.2	1717.7	1681.8	1499.9	1402.6	1293.3
27.5°	2222.9	2191.4	2127.1	2120.3	2071.7	1685.5	1506.6	1309.0	1236.4	1225.2	1201.3
30°	2152.5	2107.6	2068.7	1898.8	1653.3	1356.9	1208.7	1181.0	1168.3	1154.8	1133.9
32.5°	2067.9	2025.3	2044.0	1596.4	1318.0	1168.3	1138.4	1118.2	1095.0	1086.0	1010.4
35°	1981.9	1962.4	1597.2	1342.0	1133.1	1097.2	1074.8	1053.8	838.3	202.8	68.9
37.5°	1889.8	1885.3	1435.5	1113.7	1061.3	1027.6	964.0	199.1	47.2	32.2	24.0
40°	1818.0	1436.3	1134.6	1044.1	1001.4	948.3	133.2	32.9	21.0	12.7	8.2
42.5°	1770.1	1291.8	1015.6	979.7	886.9	98.0	33.7	14.2	8.2	6.7	5.2
45°	1364.4	1020.1	949.0	911.6	112.3	33.7	19.5	6.7	5.2	4.5	3.0
47.5°	1258.9	926.6	884.7	199.1	37.4	18.0	13.5	4.5	3.0	3.0	3.0
50°	953.5	856.2	704.3	48.6	24.0	12.7	9.7	3.0	3.0	3.0	2.2
52.5°	836.0	790.4	75.6	32.2	18.7	9.7	6.0	2.2	2.2	2.2	2.2
55°	764.2	501.5	44.9	24.7	15.7	9.0	3.7	2.2	2.2	2.2	1.5
57.5°	699.0	67.4	32.9	21.0	14.2	8.2	2.2	2.2	2.2	2.2	1.5
60°	592.8	48.6	26.9	18.7	13.5	7.5	2.2	2.2	2.2	2.2	2.2
62.5°	77.1	38.2	23.2	16.5	9.7	6.0	1.5	2.2	2.2	2.2	2.2
65°	56.1	29.9	21.0	11.2	6.0	2.2	1.5	2.2	2.2	2.2	2.2
67.5°	43.4	24.7	15.7	9.7	5.2	1.5	1.5	2.2	2.2	2.2	2.2
70°	34.4	21.0	12.7	8.2	4.5	1.5	1.5	2.2	2.2	2.2	2.2
72.5°	26.9	15.0	9.0	4.5	3.0	1.5	1.5	2.2	2.2	2.2	2.2
75°	20.2	12.0	6.7	3.7	1.5	1.5	1.5	2.2	2.2	2.2	2.2
77.5°	13.5	7.5	5.2	3.0	3.0	3.0	3.7	3.7	2.2	2.2	2.2
80°	9.0	5.2	3.7	3.7	3.7	3.0	3.7	3.7	2.2	3.7	2.2
82.5°	4.5	3.7	3.7	3.0	3.0	2.2	3.0	3.0	3.0	3.0	2.2
85°	3.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.0	3.0	2.2
87.5°	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.2	3.0	3.0	2.2
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: P1213423

CATALOG NUMBER: 4SNLED-LD5-42SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2511.8	2514.0	2508.0	2540.2	2523.8	2525.2	2532.0	2514.8	2518.5	2506.5	2498.3
5°	2784.2	2788.7	2793.2	2794.7	2797.7	2801.4	2796.9	2794.7	2790.2	2775.2	2759.5
7.5°	2741.5	2736.3	2734.1	2737.1	2742.3	2744.5	2740.8	2746.0	2765.5	2773.7	2779.0
10°	2517.0	2493.1	2509.5	2507.3	2488.6	2551.4	2534.2	2544.0	2550.7	2619.6	2661.5
12.5°	2410.0	2425.0	2396.5	2382.3	2401.0	2413.7	2426.5	2399.5	2436.9	2419.7	2475.1
15°	2320.2	2311.2	2308.2	2308.9	2305.2	2323.2	2327.7	2333.6	2338.9	2362.1	2371.1
17.5°	2279.8	2294.7	2300.7	2305.2	2297.7	2289.5	2281.3	2269.3	2273.0	2267.0	2284.2
20°	1868.9	1818.7	1815.7	1844.9	1812.7	1830.7	1874.1	2164.5	2154.8	2267.8	2229.6
22.5°	1559.8	1512.6	1472.2	1437.0	1487.2	1508.1	1588.9	1680.3	1828.4	1805.2	1966.2
25°	1273.9	1256.6	1246.2	1240.9	1244.7	1243.2	1261.1	1303.8	1371.1	1529.8	1734.9
27.5°	1191.5	1183.3	1179.5	1167.6	1176.6	1173.6	1187.8	1196.8	1217.0	1232.7	1299.3
30°	1126.4	1116.7	1109.9	1097.2	1106.2	1106.9	1111.4	1134.6	1142.9	1156.3	1177.3
32.5°	411.6	242.5	227.5	216.3	236.5	308.4	541.1	946.0	1079.3	1089.7	1113.7
35°	40.4	33.7	29.9	29.9	30.7	33.7	44.9	118.3	216.3	836.0	1046.3
37.5°	15.7	13.5	11.2	10.5	11.2	12.7	17.2	22.5	30.7	63.6	283.7
40°	6.7	6.0	5.2	5.2	5.2	5.2	6.0	7.5	11.2	21.0	32.9
42.5°	4.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.2	6.7	13.5
45°	3.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.0	3.7	6.0
47.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.0
50°	2.2	2.2	2.2	2.2	1.5	2.2	1.5	2.2	2.2	2.2	2.2
52.5°	2.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2
55°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
57.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	1.5
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	1.5
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	2.2	2.2	1.5	2.2	1.5	1.5	2.2	2.2	2.2	1.5	1.5
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.5	4.5	3.0
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.7	4.5	3.7
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.7	3.7	3.7
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.0	3.0	3.0
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.0	3.0	3.0
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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: P1213423

CATALOG NUMBER: 4SNLED-LD5-42SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2484.1	2483.3	2499.1	2511.0	2506.5	2511.0	2516.3	2517.0	2518.5	2512.5	2510.3
5°	2729.6	2706.4	2661.5	2629.3	2591.9	2523.8	2490.1	2493.8	2494.6	2492.3	2495.3
7.5°	2776.7	2774.5	2758.8	2752.0	2726.6	2677.9	2600.1	2586.6	2553.7	2532.7	2515.5
10°	2658.5	2712.4	2726.6	2750.5	2765.5	2756.5	2690.7	2680.9	2660.0	2636.0	2641.3
12.5°	2530.5	2574.6	2576.9	2707.1	2736.3	2739.3	2713.9	2727.3	2730.3	2676.4	2645.0
15°	2373.3	2394.3	2438.4	2559.7	2648.0	2703.4	2719.8	2727.3	2690.7	2688.4	2675.7
17.5°	2304.5	2317.9	2338.1	2406.2	2540.2	2621.8	2691.4	2686.2	2700.4	2689.9	2657.7
20°	2217.6	2228.9	2264.8	2299.2	2365.1	2473.6	2603.8	2613.6	2632.3	2630.0	2639.0
22.5°	2216.1	2176.5	2182.5	2209.4	2278.3	2375.6	2514.0	2546.2	2558.2	2566.4	2576.1
25°	1758.1	2073.2	2130.8	2148.0	2192.9	2249.8	2413.0	2425.0	2447.4	2484.1	2511.0
27.5°	1523.1	1737.1	1967.7	2087.4	2115.8	2163.0	2260.3	2278.3	2354.6	2363.6	2405.5
30°	1202.0	1367.4	1711.7	1999.8	2047.0	2079.9	2148.8	2184.7	2217.6	2253.6	2297.7
32.5°	1130.9	1157.1	1347.9	1654.8	2021.5	1996.8	2047.7	2069.4	2105.4	2136.8	2169.0
35°	1065.8	1083.7	1124.2	1355.4	1646.6	1928.7	1963.2	1977.4	1997.6	2021.5	2044.7
37.5°	997.7	1024.6	1052.3	1114.4	1523.1	1874.8	1874.1	1890.6	1902.5	1922.8	1942.2
40°	181.1	940.8	985.7	1026.1	1181.0	1495.4	1790.3	1797.8	1806.0	1818.7	1838.9
42.5°	29.2	157.2	923.6	962.5	1006.7	1339.0	1752.1	1721.4	1716.2	1725.2	1743.1
45°	15.0	38.2	185.6	898.9	938.5	1068.0	1432.5	1668.3	1663.0	1645.8	1649.6
47.5°	11.2	24.0	45.7	310.6	878.7	916.8	1321.8	1307.5	1407.1	1597.9	1568.7
50°	9.7	16.5	26.9	63.6	776.1	844.2	1017.9	1189.3	1241.7	1248.4	1477.4
52.5°	9.0	11.2	19.5	41.2	163.2	780.6	827.8	887.7	976.0	1165.3	1160.8
55°	8.2	10.5	16.5	27.7	56.9	703.5	752.2	763.4	782.1	872.7	992.4
57.5°	4.5	9.7	15.7	24.0	42.7	128.7	682.6	691.6	706.5	710.3	752.9
60°	2.2	9.0	14.2	21.0	31.4	59.9	613.7	624.2	633.2	634.7	648.2
62.5°	1.5	8.2	12.0	19.5	26.2	42.7	145.2	296.4	563.6	563.6	579.3
65°	1.5	6.0	7.5	12.7	24.0	35.2	61.4	71.1	138.5	340.5	508.2
67.5°	1.5	2.2	6.7	10.5	18.0	26.9	44.9	52.4	62.9	71.9	133.2
70°	1.5	1.5	6.0	6.7	11.2	20.2	32.2	36.7	42.7	48.6	56.1
72.5°	1.5	1.5	5.2	5.2	7.5	13.5	24.7	26.9	30.7	34.4	39.7
75°	3.7	3.0	4.5	4.5	5.2	10.5	18.7	21.0	22.5	25.4	29.2
77.5°	3.7	3.7	3.7	3.7	3.7	6.7	12.0	13.5	15.7	17.2	20.2
80°	3.0	3.0	3.0	3.7	3.7	4.5	7.5	8.2	9.0	11.2	12.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	5.2	6.7
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.0	3.0	3.0	3.0
87.5°	2.2	2.2	2.2	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2
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):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2509.5	2505.0	2501.3	2503.5	2496.8	2493.8	2496.1	2496.8	2498.3	2502.0	2502.8
5°	2502.8	2501.3	2508.0	2511.8	2510.3	2511.8	2511.8	2508.8	2504.3	2507.3	2500.5
7.5°	2498.3	2488.6	2481.1	2482.6	2475.1	2484.1	2492.3	2504.3	2508.0	2508.0	2500.5
10°	2575.4	2564.9	2523.0	2494.6	2475.8	2459.4	2498.3	2458.6	2477.3	2406.2	2487.8
12.5°	2639.0	2653.2	2634.5	2556.7	2543.2	2493.8	2522.3	2473.6	2459.4	2377.8	2404.0
15°	2664.5	2637.5	2631.5	2609.8	2580.6	2566.4	2490.1	2481.8	2458.6	2467.6	2433.2
17.5°	2642.0	2655.5	2637.5	2623.3	2593.4	2559.7	2514.0	2473.6	2441.4	2369.6	2430.2
20°	2620.3	2638.3	2584.4	2593.4	2596.3	2557.4	2533.5	2499.8	2459.4	2392.0	2339.6
22.5°	2584.4	2571.7	2576.1	2562.7	2551.4	2556.7	2523.8	2500.5	2432.4	2401.8	2330.7
25°	2526.0	2521.5	2533.5	2532.0	2505.0	2496.1	2479.6	2454.9	2427.9	2378.6	2320.2
27.5°	2430.9	2454.1	2475.1	2484.8	2470.6	2446.7	2437.7	2423.5	2404.7	2354.6	2311.2
30°	2330.7	2356.8	2380.8	2401.8	2414.5	2404.0	2395.8	2387.5	2359.1	2326.2	2277.5
32.5°	2216.1	2250.6	2283.5	2308.9	2336.6	2344.9	2338.9	2332.1	2308.2	2278.3	2239.3
35°	2083.7	2130.8	2178.7	2224.4	2236.3	2255.8	2275.3	2264.0	2251.3	2221.4	2185.5
37.5°	1971.4	2005.1	2039.5	2097.1	2139.1	2163.7	2198.2	2202.7	2181.0	2166.7	2119.6
40°	1855.4	1886.1	1936.2	1969.9	2027.5	2056.0	2092.6	2109.1	2103.9	2095.6	2054.5
42.5°	1764.1	1779.0	1812.0	1841.9	1898.8	1957.2	1989.4	2007.3	2026.0	2019.3	1998.3
45°	1666.8	1680.3	1691.5	1717.7	1773.1	1824.7	1864.4	1891.3	1925.0	1940.7	1915.3
47.5°	1570.2	1574.0	1587.4	1609.2	1642.1	1681.8	1748.4	1788.8	1820.2	1850.9	1834.4
50°	1496.1	1482.7	1484.9	1498.4	1525.3	1564.2	1612.1	1669.0	1705.0	1742.4	1746.1
52.5°	1307.5	1416.8	1390.6	1398.1	1412.3	1431.0	1481.2	1537.3	1581.5	1613.6	1645.8
55°	1097.2	1118.9	1329.2	1299.3	1308.3	1324.7	1347.9	1404.1	1446.7	1491.6	1536.6
57.5°	851.0	1012.6	1020.9	1215.5	1211.0	1212.5	1231.9	1264.1	1306.8	1362.9	1401.1
60°	661.6	729.7	862.2	929.6	1100.2	1106.2	1117.4	1136.1	1172.8	1225.9	1286.6
62.5°	583.8	592.8	639.9	741.0	851.7	985.7	1009.6	1012.6	1029.1	1082.2	1152.6
65°	512.7	518.7	532.9	543.4	636.2	765.7	880.9	899.6	910.1	941.5	1001.4
67.5°	353.3	446.8	459.5	467.0	476.0	535.9	678.8	773.9	785.9	813.6	865.9
70°	68.1	141.5	386.9	395.2	399.7	413.1	436.3	587.5	666.9	693.1	717.0
72.5°	46.4	54.6	65.9	155.7	329.3	336.8	342.0	361.5	495.5	571.8	584.5
75°	33.7	37.4	44.2	54.6	67.4	219.3	271.7	281.4	291.1	401.9	466.3
77.5°	24.0	26.9	29.9	35.2	41.2	53.1	76.3	210.3	220.0	225.3	318.1
80°	13.5	16.5	20.2	23.2	26.2	29.9	38.9	48.6	108.5	158.7	166.9
82.5°	7.5	9.0	10.5	12.7	14.2	18.0	21.7	26.2	34.4	50.9	107.8
85°	3.7	3.7	3.7	5.2	6.0	8.2	9.7	11.2	15.7	21.7	29.9
87.5°	2.2	2.2	3.0	3.0	3.0	3.7	3.7	3.7	4.5	6.7	9.7
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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CATALOG NUMBER: 4SNLED-LD5-42SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	2493.8	2493.8	2493.8	2493.8	2493.8
2.5°	2503.5	2501.3	2501.3	2510.3	2508.0
5°	2499.1	2496.8	2496.1	2505.8	2501.3
7.5°	2495.3	2487.1	2484.8	2493.8	2490.1
10°	2480.3	2474.4	2478.1	2475.1	2473.6
12.5°	2454.9	2451.2	2435.4	2436.9	2449.7
15°	2409.2	2424.2	2397.3	2421.2	2426.5
17.5°	2325.4	2359.1	2385.3	2399.5	2401.8
20°	2362.8	2374.1	2360.6	2361.3	2370.3
22.5°	2314.2	2319.4	2323.2	2318.7	2338.1
25°	2236.3	2216.1	2259.5	2268.5	2300.0
27.5°	2212.4	2195.9	2216.1	2214.6	2240.8
30°	2192.9	2139.8	2148.8	2163.0	2195.2
32.5°	2165.2	2081.4	2072.4	2103.9	2139.8
35°	2116.6	2037.3	2016.3	2036.5	2090.4
37.5°	2075.4	1975.9	1934.0	1960.9	2031.3
40°	2014.1	1928.0	1862.9	1886.8	1969.9
42.5°	1940.7	1886.8	1786.5	1803.0	1898.1
45°	1866.6	1818.7	1712.4	1720.7	1833.7
47.5°	1791.0	1746.9	1635.3	1636.8	1751.4
50°	1716.9	1658.5	1566.5	1540.3	1663.8
52.5°	1620.4	1566.5	1496.9	1454.2	1580.7
55°	1529.1	1468.4	1417.6	1351.7	1486.4
57.5°	1440.0	1372.6	1338.2	1253.6	1379.4
60°	1318.0	1285.8	1234.9	1154.1	1282.8
62.5°	1193.0	1182.5	1130.9	1047.1	1163.8
65°	1047.1	1071.8	1018.6	946.8	1040.3
67.5°	909.4	953.5	895.1	851.0	921.3
70°	762.7	813.6	780.6	764.9	794.8
72.5°	618.2	667.6	670.6	659.4	669.1
75°	477.5	532.1	562.1	544.9	547.1
77.5°	362.2	388.4	421.4	434.8	431.9
80°	223.8	269.4	296.4	324.1	314.3
82.5°	113.0	151.2	184.1	214.1	199.8
85°	47.2	60.6	84.6	111.5	107.0
87.5°	14.2	24.0	25.4	35.9	33.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)