

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-LD5-62SL-RM-UNV-L930-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 (P33524)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-62SL-RM-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

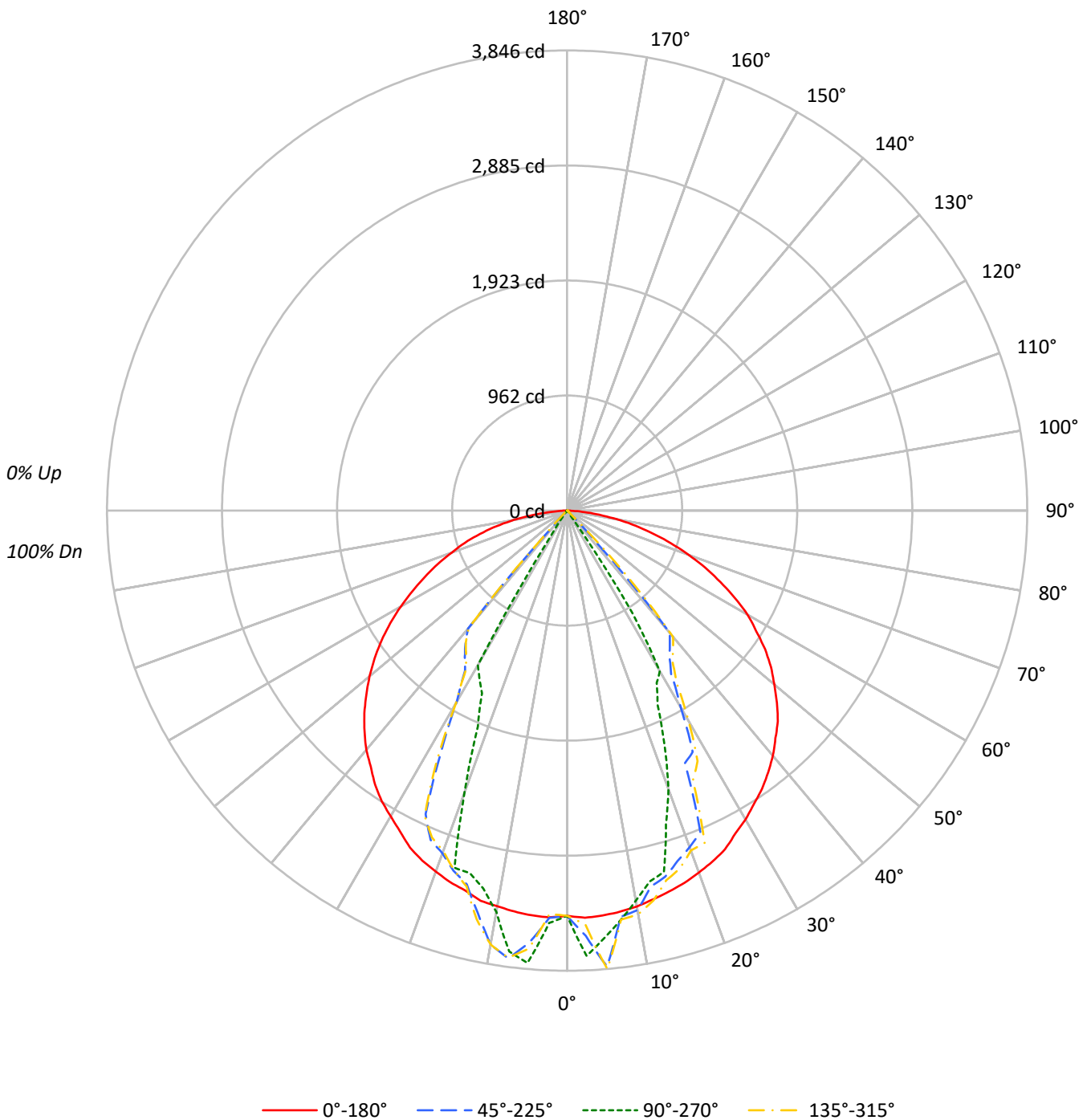
Lumens per Lamp: N/A
Luminaire Lumens: 4815.9 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13685	13685	13685	13685
5°	13760	14075	13756	14905
10°	13746	12736	13737	13104
15°	13728	11888	13694	11919
20°	13764	9364	13725	9479
25°	13825	6776	13758	6395
30°	13786	5944	13640	5714
35°	13852	131	13649	159
40°	13929	28	13596	28
45°	14012	17	13486	12
50°	13945	13	13305	13
55°	13911	9	13056	9
60°	13709	10	12637	10
65°	13070	16	12140	11
70°	12228	17	11641	17
75°	10962	20	11142	20
80°	9125	22	9646	22
85°	5719	26	5837	26



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.8	7.1
10°-20°	926.9	19.2
20°-30°	1179.4	24.5
30°-40°	996.3	20.7
40°-50°	651.3	13.5
50°-60°	410.4	8.5
60°-70°	218.5	4.5
70°-80°	79.6	1.7
80°-90°	13.7	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°	2446.1	50.8
0°-40°	3442.4	71.5
0°-60°	4504.2	93.5
0°-90°	4815.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4815.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3387	3387	3387	3387	3387	
5°	3397	3584	3396	3796	3397	323
15°	3296	3128	3287	3136	3296	932
25°	3124	1786	3108	1685	3124	1436
35°	2839	34	2797	41	2839	1776
45°	2490	4	2397	3	2490	1915
55°	2019	2	1895	2	2019	1799
65°	1413	3	1312	2	1413	1399
75°	743	3	755	3	743	789
85°	145	3	148	3	145	184
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3406.3	3408.3	3409.3	3411.4	3414.4	3415.4	3417.5	3415.4	3415.4	3415.4	3415.4
5°	3397.1	3401.2	3404.3	3408.3	3415.4	3416.4	3424.6	3425.6	3429.7	3437.8	3443.9
7.5°	3381.9	3386.0	3392.1	3402.2	3412.4	3423.6	3437.8	3453.0	3474.4	3494.7	3520.1
10°	3359.5	3364.6	3371.7	3380.9	3430.7	3437.8	3469.3	3513.0	3525.2	3589.3	3637.0
12.5°	3327.0	3344.3	3362.6	3370.7	3418.5	3493.7	3599.4	3578.1	3554.7	3764.1	3761.0
15°	3295.5	3318.9	3309.7	3375.8	3419.5	3550.6	3505.9	3601.5	3776.3	3733.6	3735.6
17.5°	3261.9	3267.0	3317.8	3372.7	3451.0	3518.1	3573.0	3704.1	3738.7	3741.7	3704.1
20°	3219.2	3243.6	3317.8	3367.7	3499.8	3531.3	3650.2	3717.3	3703.1	3668.5	3604.5
22.5°	3175.5	3249.7	3325.0	3395.1	3487.6	3572.0	3630.9	3662.4	3588.2	3452.0	3378.8
25°	3123.7	3167.4	3266.0	3368.7	3484.6	3533.3	3567.9	3517.1	3420.5	3298.5	3175.5
27.5°	3043.4	3113.5	3239.6	3355.5	3460.2	3519.1	3463.2	3341.2	3185.7	3105.4	3049.5
30°	2981.4	3072.9	3176.6	3288.4	3397.1	3431.7	3289.4	3150.1	3043.4	2963.1	2950.9
32.5°	2906.2	3036.3	3134.9	3241.6	3333.1	3287.4	3149.1	2969.2	2880.8	2850.3	2862.5
35°	2839.1	2937.7	3066.8	3171.5	3237.5	3134.9	2916.3	2804.5	2761.8	2779.1	2756.7
37.5°	2758.8	2888.9	3007.8	3098.3	3075.9	2921.4	2736.4	2665.3	2670.3	2656.1	2613.4
40°	2675.4	2799.4	2923.4	3008.8	2930.6	2694.7	2571.7	2556.5	2559.5	2513.8	2452.8
42.5°	2577.8	2690.7	2814.7	2891.9	2723.2	2539.2	2455.9	2457.9	2431.5	2367.4	2334.9
45°	2490.4	2594.1	2723.2	2730.3	2522.9	2369.5	2345.1	2318.6	2259.7	2238.3	2213.9
47.5°	2378.6	2493.5	2600.2	2561.6	2326.8	2231.2	2212.9	2155.0	2125.5	2109.2	2088.9
50°	2259.7	2375.6	2473.1	2363.4	2141.8	2119.4	2059.4	2013.7	1993.4	1976.1	1957.8
52.5°	2146.8	2242.4	2342.0	2152.9	1999.5	1978.1	1910.0	1883.6	1863.2	1843.9	1839.9
55°	2018.8	2103.1	2171.2	1952.7	1863.2	1813.4	1764.6	1746.3	1727.0	1717.9	1733.1
57.5°	1873.4	1969.0	1958.8	1755.5	1715.8	1643.7	1625.4	1613.2	1599.0	1605.1	1478.0
60°	1742.3	1815.5	1765.7	1611.1	1544.1	1495.3	1479.0	1470.9	1479.0	1355.0	1191.3
62.5°	1580.7	1663.0	1562.4	1442.4	1371.3	1347.9	1333.6	1344.8	1225.9	1089.7	1050.0
65°	1412.9	1502.4	1354.0	1261.5	1216.7	1196.4	1195.4	1100.9	984.0	931.1	931.1
67.5°	1251.3	1343.8	1152.7	1075.5	1058.2	1060.2	1001.3	857.9	825.4	789.8	687.2
70°	1079.5	1160.8	952.5	905.7	895.5	888.4	745.1	706.5	667.8	573.3	565.2
72.5°	908.7	948.4	765.4	754.2	752.2	625.1	596.7	530.6	485.9	474.7	469.6
75°	743.1	730.9	604.8	615.0	518.4	473.7	427.9	389.3	383.2	379.2	94.5
77.5°	586.5	525.5	476.7	414.7	371.0	315.1	306.0	299.9	197.2	71.2	57.9
80°	426.9	340.5	317.1	269.4	229.7	220.6	225.7	69.1	54.9	45.7	39.6
82.5°	271.4	217.5	177.9	155.5	151.5	66.1	48.8	39.6	34.6	29.5	24.4
85°	145.4	96.6	89.5	75.2	44.7	30.5	25.4	19.3	16.3	13.2	12.2
87.5°	45.7	38.6	31.5	25.4	15.2	10.2	8.1	7.1	6.1	5.1	5.1
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°	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3413.4	3415.4	3414.4	3417.5	3417.5	3421.5	3424.6	3427.6	3433.7	3436.8	3460.2
5°	3457.1	3462.2	3477.4	3491.7	3509.0	3514.0	3543.5	3550.6	3585.2	3589.3	3703.1
7.5°	3554.7	3574.0	3610.6	3647.2	3683.8	3707.2	3747.8	3773.2	3800.7	3825.1	3915.6
10°	3672.6	3705.1	3740.7	3777.3	3798.7	3843.4	3867.8	3871.8	3864.7	3825.1	3678.7
12.5°	3788.5	3821.0	3805.8	3812.9	3838.3	3759.0	3770.2	3713.3	3752.9	3556.7	3411.4
15°	3772.2	3770.2	3732.6	3610.6	3630.9	3479.5	3418.5	3371.7	3409.3	3389.0	3366.6
17.5°	3723.4	3630.9	3565.9	3419.5	3357.5	3314.8	3315.8	3316.8	3298.5	3317.8	3260.9
20°	3517.1	3413.4	3316.8	3265.0	3246.7	3216.2	3231.4	3216.2	3217.2	3223.3	3135.9
22.5°	3242.6	3211.1	3155.2	3171.5	3165.4	3192.8	3172.5	3141.0	3151.1	3105.4	3039.3
25°	3131.8	3095.2	3093.2	3099.3	3090.2	3078.0	3059.7	3011.9	3008.8	2994.6	2964.1
27.5°	3020.0	3022.0	3028.1	3009.9	2977.3	2952.9	2925.5	2902.1	2911.3	2895.0	2853.3
30°	2942.8	2941.7	2905.2	2888.9	2828.9	2829.9	2822.8	2808.6	2799.4	2800.5	2774.0
32.5°	2833.0	2801.5	2759.8	2739.5	2734.4	2716.1	2701.9	2704.9	2712.0	2686.6	2714.0
35°	2720.1	2655.1	2649.0	2631.7	2615.4	2603.3	2608.3	2588.0	2587.0	2583.9	2360.3
37.5°	2568.7	2537.2	2534.1	2515.8	2504.7	2501.6	2482.3	2485.3	2494.5	2510.8	2012.7
40°	2443.7	2415.2	2408.1	2407.1	2382.7	2380.6	2385.7	2405.0	2418.2	2316.6	1918.1
42.5°	2309.5	2311.5	2289.2	2274.9	2278.0	2287.1	2311.5	2244.4	1944.6	1853.1	1753.5
45°	2194.6	2184.5	2172.3	2168.2	2194.6	2176.3	1908.0	1760.6	1725.0	1720.9	1441.4
47.5°	2074.7	2071.6	2066.5	2069.6	1919.1	1710.8	1649.8	1630.5	1636.6	1632.5	1238.1
50°	1953.7	1957.8	1957.8	1709.7	1569.5	1534.9	1540.0	1557.3	1449.5	1353.0	1153.7
52.5°	1849.0	1817.5	1557.3	1467.8	1436.3	1451.6	1415.0	1279.8	1182.2	1125.3	1067.3
55°	1654.9	1423.1	1365.2	1350.9	1362.1	1226.9	1143.6	1056.1	1030.7	1024.6	991.1
57.5°	1302.1	1255.4	1260.5	1203.5	1074.4	998.2	964.7	952.5	941.3	933.1	81.3
60°	1151.7	1164.9	1066.3	944.3	892.5	882.3	874.2	863.0	861.0	846.7	51.8
62.5°	1054.1	927.0	841.7	811.2	799.0	795.9	780.7	775.6	658.7	90.5	38.6
65°	794.9	743.1	726.8	719.7	706.5	706.5	586.5	92.5	75.2	65.1	34.6
67.5°	648.5	644.5	636.3	627.2	426.9	89.5	78.3	68.1	59.0	51.8	30.5
70°	548.9	546.9	498.1	91.5	76.2	67.1	59.0	52.9	48.8	43.7	27.4
72.5°	450.3	91.5	77.3	67.1	57.9	52.9	47.8	42.7	38.6	35.6	22.4
75°	70.1	62.0	54.9	49.8	45.7	40.7	36.6	33.5	32.5	28.5	15.2
77.5°	50.8	43.7	39.6	35.6	31.5	28.5	24.4	21.3	19.3	16.3	11.2
80°	35.6	31.5	28.5	23.4	20.3	17.3	15.2	13.2	12.2	10.2	5.1
82.5°	20.3	17.3	15.2	12.2	11.2	9.1	8.1	7.1	7.1	5.1	5.1
85°	9.1	9.1	7.1	6.1	5.1	5.1	5.1	4.1	4.1	3.0	3.0
87.5°	4.1	4.1	4.1	4.1	4.1	3.0	3.0	3.0	3.0	3.0	2.0
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°	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3492.7	3505.9	3531.3	3557.7	3528.3	3634.0	3625.8	3661.4	3680.7	3689.9	3711.2
5°	3803.7	3862.7	3882.0	3824.1	3790.5	3756.0	3677.7	3618.7	3625.8	3606.5	3536.4
7.5°	3797.6	3671.6	3501.8	3424.6	3418.5	3409.3	3433.7	3448.0	3450.0	3449.0	3446.9
10°	3476.4	3411.4	3400.2	3390.0	3394.1	3356.5	3339.2	3290.4	3316.8	3302.6	3307.7
12.5°	3378.8	3363.6	3303.6	3220.3	3270.1	3232.5	3211.1	3225.3	3209.1	3193.8	3188.8
15°	3320.9	3222.3	3188.8	3168.4	3154.2	3146.1	3153.2	3136.9	3131.8	3128.8	3135.9
17.5°	3201.0	3161.3	3124.7	3070.8	3071.9	3068.8	3089.1	3119.6	3121.7	2965.1	2823.8
20°	3106.4	3073.9	3027.1	2993.6	3039.3	2958.0	2643.9	2494.5	2471.1	2471.1	2475.2
22.5°	3031.2	2959.0	2962.1	2909.2	2481.3	2393.9	2395.9	2405.0	2363.4	2221.0	2205.8
25°	2928.5	2917.3	2694.7	2328.8	2331.8	2263.7	2159.0	2011.6	1852.1	1852.1	1825.6
27.5°	2851.3	2614.4	2289.2	2273.9	2045.2	1900.9	1811.4	1676.2	1657.9	1640.6	1642.7
30°	2785.2	2211.9	2220.0	1900.9	1732.1	1612.2	1605.1	1582.7	1571.5	1568.5	1557.3
32.5°	2201.7	2154.0	1858.2	1618.3	1552.2	1532.9	1523.7	1498.3	1497.3	1478.0	1343.8
35°	2064.5	1890.7	1555.2	1490.2	1470.9	1452.6	1437.3	964.7	113.8	45.7	39.6
37.5°	1908.0	1579.6	1438.3	1408.9	1390.6	1027.7	102.7	35.6	25.4	18.3	16.3
40°	1617.2	1410.9	1366.2	1333.6	549.9	35.6	22.4	17.3	10.2	9.1	8.1
42.5°	1364.1	1329.6	1281.8	390.3	40.7	17.3	11.2	8.1	7.1	7.1	6.1
45°	1276.7	1246.2	516.4	38.6	25.4	8.1	7.1	7.1	6.1	4.1	4.1
47.5°	1195.4	1052.1	46.8	24.4	16.3	7.1	6.1	4.1	4.1	4.1	3.0
50°	1109.0	57.9	32.5	18.3	10.2	4.1	4.1	4.1	4.1	3.0	3.0
52.5°	207.4	40.7	26.4	16.3	5.1	4.1	4.1	4.1	3.0	3.0	3.0
55°	48.8	32.5	24.4	14.2	4.1	4.1	4.1	3.0	3.0	3.0	2.0
57.5°	36.6	24.4	19.3	13.2	4.1	3.0	3.0	3.0	3.0	3.0	2.0
60°	30.5	17.3	15.2	12.2	3.0	3.0	3.0	3.0	3.0	3.0	2.0
62.5°	21.3	14.2	11.2	9.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0
65°	17.3	11.2	9.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
67.5°	15.2	9.1	6.1	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
70°	12.2	3.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
72.5°	10.2	3.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
75°	10.2	5.1	2.0	2.0	3.0	3.0	4.1	4.1	3.0	3.0	3.0
77.5°	7.1	5.1	2.0	2.0	3.0	3.0	4.1	4.1	3.0	3.0	3.0
80°	4.1	5.1	2.0	3.0	3.0	6.1	7.1	4.1	3.0	3.0	3.0
82.5°	4.1	5.1	6.1	6.1	3.0	5.1	6.1	5.1	4.1	3.0	3.0
85°	4.1	3.0	4.1	5.1	3.0	5.1	5.1	4.1	4.1	3.0	3.0
87.5°	2.0	3.0	3.0	4.1	4.1	4.1	5.1	4.1	4.1	4.1	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: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3721.4	3725.5	3661.4	3639.1	3658.4	3654.3	3637.0	3573.0	3565.9	3523.2	3461.2
5°	3556.7	3584.2	3550.6	3608.6	3581.1	3608.6	3691.9	3730.5	3793.6	3832.2	3846.4
7.5°	3441.9	3448.0	3448.0	3453.0	3458.1	3459.1	3453.0	3449.0	3431.7	3410.4	3449.0
10°	3302.6	3309.7	3321.9	3319.9	3318.9	3340.2	3345.3	3389.0	3387.0	3395.1	3424.6
12.5°	3230.4	3175.5	3225.3	3212.1	3230.4	3202.0	3254.8	3245.7	3248.7	3273.1	3336.1
15°	3110.5	3127.8	3140.0	3140.0	3147.1	3141.0	3134.9	3176.6	3202.0	3203.0	3198.9
17.5°	2879.7	2748.6	2882.8	2848.2	3123.7	3130.8	3107.4	3088.1	3088.1	3103.4	3135.9
20°	2472.1	2475.2	2476.2	2489.4	2505.7	2504.7	2505.7	2906.2	3096.3	3052.5	3023.1
22.5°	2167.2	2129.6	2199.7	2194.6	2282.0	2378.6	2471.1	2462.0	2468.1	2750.6	3004.8
25°	1737.2	1786.0	1746.3	1763.6	1862.2	1977.1	2048.2	2234.3	2436.5	2422.3	2488.4
27.5°	1635.5	1622.3	1640.6	1640.6	1653.8	1669.1	1708.7	1813.4	1993.4	2182.4	2361.3
30°	1539.0	1550.2	1552.2	1570.5	1580.7	1590.8	1596.9	1636.6	1677.2	1808.3	2028.9
32.5°	1155.8	1013.4	1333.6	1420.0	1493.2	1510.5	1522.7	1539.0	1568.5	1587.8	1698.6
35°	33.5	33.5	35.6	40.7	51.8	349.7	1331.6	1467.8	1487.1	1511.5	1531.9
37.5°	16.3	12.2	14.2	15.2	18.3	25.4	36.6	113.8	1267.6	1433.3	1455.6
40°	7.1	7.1	7.1	7.1	8.1	10.2	15.2	25.4	38.6	1019.5	1375.3
42.5°	6.1	6.1	6.1	6.1	6.1	6.1	7.1	9.1	18.3	43.7	721.7
45°	4.1	4.1	3.0	4.1	4.1	5.1	6.1	6.1	8.1	27.4	49.8
47.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.1	6.1	18.3	26.4
50°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	14.2	18.3
52.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.1	16.3
55°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	4.1	14.2
57.5°	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	3.0	3.0	13.2
60°	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	12.2
62.5°	3.0	3.0	2.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	8.1
65°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	3.0
67.5°	3.0	3.0	3.0	3.0	2.0	3.0	2.0	3.0	3.0	2.0	2.0
70°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
72.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
75°	3.0	3.0	3.0	3.0	3.0	3.0	4.1	4.1	2.0	2.0	2.0
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	5.1	6.1	5.1	5.1	2.0
80°	3.0	3.0	3.0	3.0	3.0	3.0	5.1	5.1	5.1	5.1	7.1
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	4.1	4.1	4.1	4.1	5.1
85°	3.0	3.0	3.0	3.0	3.0	3.0	4.1	4.1	4.1	3.0	4.1
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.1	3.0	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: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3466.3	3431.7	3420.5	3397.1	3395.1	3397.1	3392.1	3384.9	3389.0	3381.9	3375.8
5°	3854.6	3762.1	3702.1	3621.8	3511.0	3486.6	3480.5	3445.9	3433.7	3429.7	3413.4
7.5°	3540.5	3709.2	3810.9	3845.4	3715.3	3684.8	3649.2	3620.8	3593.3	3541.5	3510.0
10°	3401.2	3409.3	3506.9	3620.8	3805.8	3831.2	3850.5	3788.5	3771.2	3639.1	3610.6
12.5°	3368.7	3369.7	3380.9	3450.0	3595.4	3611.6	3679.7	3716.3	3761.0	3786.5	3766.1
15°	3220.3	3302.6	3363.6	3369.7	3382.9	3411.4	3431.7	3558.8	3612.6	3757.0	3748.8
17.5°	3151.1	3177.6	3266.0	3338.2	3326.0	3315.8	3332.1	3349.4	3401.2	3545.5	3543.5
20°	3036.3	3120.6	3168.4	3243.6	3311.8	3314.8	3296.5	3286.3	3266.0	3289.4	3310.7
22.5°	2987.5	3000.7	3090.2	3143.0	3220.3	3247.7	3251.8	3252.8	3241.6	3229.4	3223.3
25°	2982.4	2940.7	2986.5	3052.5	3109.5	3138.9	3172.5	3183.7	3179.6	3179.6	3173.5
27.5°	2440.6	2927.5	2903.1	2946.8	3015.9	3036.3	3053.6	3088.1	3109.5	3124.7	3131.8
30°	2324.7	2412.1	2838.1	2844.2	2914.3	2912.3	2931.6	2960.0	2987.5	3023.1	3032.2
32.5°	2056.4	2270.9	2598.2	2741.5	2814.7	2821.8	2832.0	2840.1	2865.5	2905.2	2939.7
35°	1647.7	2068.6	2226.1	2692.7	2705.9	2720.1	2726.2	2745.6	2753.7	2770.0	2800.5
37.5°	1491.2	1709.7	2135.7	2328.8	2580.9	2593.1	2625.6	2633.7	2647.0	2660.2	2683.6
40°	1400.7	1460.7	1777.9	2079.8	2480.3	2488.4	2499.6	2519.9	2520.9	2536.2	2557.5
42.5°	1328.6	1367.2	1459.7	1986.2	2409.1	2408.1	2381.7	2394.9	2401.0	2417.2	2446.7
45°	1061.2	1282.8	1341.8	1622.3	1918.1	2056.4	2321.7	2278.0	2277.0	2283.1	2314.6
47.5°	53.9	1206.6	1248.3	1338.7	1811.4	1816.5	1851.0	2141.8	2186.5	2172.3	2175.3
50°	36.6	83.4	1162.9	1204.6	1561.3	1687.4	1712.8	1726.0	1893.7	2080.8	2050.3
52.5°	28.5	47.8	712.6	1118.1	1268.6	1361.1	1524.7	1618.3	1628.4	1703.7	1958.8
55°	25.4	36.6	77.3	1031.7	1078.5	1098.8	1194.4	1358.0	1490.2	1529.8	1532.9
57.5°	22.4	33.5	52.9	466.6	980.9	985.0	1001.3	1058.2	1177.1	1285.9	1408.9
60°	20.3	29.5	41.7	80.3	891.5	901.6	904.7	919.9	934.2	1008.4	1149.7
62.5°	12.2	23.4	36.6	57.9	705.4	810.1	809.1	819.3	832.5	840.6	869.1
65°	10.2	18.3	31.5	48.8	86.4	107.7	654.6	727.8	735.9	747.1	752.2
67.5°	9.1	16.3	23.4	38.6	65.1	74.2	85.4	105.7	577.4	650.6	660.7
70°	8.1	11.2	19.3	32.5	52.9	56.9	64.0	73.2	86.4	106.7	522.5
72.5°	5.1	8.1	13.2	23.4	40.7	45.7	49.8	55.9	62.0	74.2	85.4
75°	2.0	6.1	11.2	17.3	31.5	34.6	37.6	41.7	46.8	54.9	61.0
77.5°	2.0	5.1	9.1	12.2	20.3	23.4	27.4	30.5	34.6	38.6	44.7
80°	7.1	4.1	6.1	9.1	14.2	15.2	17.3	19.3	22.4	25.4	29.5
82.5°	5.1	6.1	7.1	6.1	7.1	9.1	10.2	12.2	13.2	15.2	16.3
85°	4.1	4.1	5.1	5.1	5.1	5.1	5.1	5.1	6.1	7.1	9.1
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.1	4.1
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-LD5-62SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3375.8	3373.8	3367.7	3367.7	3366.6	3370.7	3373.8	3376.8	3375.8	3381.9	3375.8
5°	3401.2	3396.1	3387.0	3378.8	3375.8	3377.8	3374.8	3377.8	3373.8	3378.8	3369.7
7.5°	3471.3	3454.1	3418.5	3404.3	3386.0	3384.9	3375.8	3373.8	3367.7	3367.7	3356.5
10°	3595.4	3512.0	3501.8	3459.1	3443.9	3369.7	3386.0	3358.5	3355.5	3342.2	3337.2
12.5°	3697.0	3631.9	3612.6	3575.0	3532.3	3381.9	3415.4	3356.5	3353.4	3327.0	3299.6
15°	3699.0	3736.6	3683.8	3580.1	3571.0	3467.3	3399.2	3378.8	3352.4	3273.1	3286.3
17.5°	3580.1	3666.5	3691.9	3669.6	3604.5	3534.4	3438.8	3398.2	3318.9	3283.3	3258.9
20°	3387.0	3474.4	3583.2	3590.3	3630.9	3581.1	3456.1	3390.0	3294.5	3232.5	3212.1
22.5°	3233.5	3297.5	3422.5	3480.5	3530.3	3547.6	3468.3	3370.7	3251.8	3191.8	3179.6
25°	3152.2	3166.4	3204.0	3272.1	3381.9	3461.2	3472.4	3368.7	3306.7	3175.5	3106.4
27.5°	3122.7	3110.5	3095.2	3129.8	3212.1	3308.7	3372.7	3390.0	3235.5	3110.5	3041.4
30°	3047.5	3054.6	3031.2	3019.0	3072.9	3172.5	3286.3	3314.8	3195.9	3066.8	2987.5
32.5°	2955.0	2967.2	2971.2	2949.9	2938.7	3007.8	3130.8	3198.9	3192.8	3004.8	2916.3
35°	2839.1	2873.6	2882.8	2883.8	2865.5	2854.3	2925.5	3066.8	3120.6	2976.3	2848.2
37.5°	2717.1	2727.3	2777.1	2790.3	2790.3	2756.7	2809.6	2922.4	2997.7	2912.3	2764.9
40°	2564.6	2597.2	2643.9	2667.3	2690.7	2693.7	2664.2	2743.5	2867.5	2846.2	2686.6
42.5°	2453.8	2475.2	2503.6	2535.1	2582.9	2595.1	2564.6	2578.9	2708.0	2763.9	2585.0
45°	2324.7	2353.2	2361.3	2395.9	2445.7	2481.3	2480.3	2450.8	2554.5	2623.6	2510.8
47.5°	2192.6	2220.0	2234.3	2251.5	2288.1	2333.9	2359.3	2346.1	2366.4	2501.6	2412.1
50°	2056.4	2071.6	2100.1	2119.4	2143.8	2170.2	2231.2	2243.4	2214.9	2322.7	2303.4
52.5°	1927.3	1932.4	1951.7	1971.0	2003.5	2022.8	2071.6	2108.2	2106.2	2137.7	2182.4
55°	1826.6	1804.3	1808.3	1823.6	1844.9	1874.4	1901.9	1958.8	1978.1	1984.2	2055.4
57.5°	1427.2	1656.9	1677.2	1676.2	1701.6	1714.8	1740.2	1777.9	1847.0	1831.7	1911.0
60°	1297.1	1322.5	1514.6	1536.9	1546.1	1558.3	1588.8	1623.3	1674.2	1706.7	1741.3
62.5°	989.1	1143.6	1201.5	1371.3	1397.7	1404.8	1425.1	1441.4	1494.3	1568.5	1554.2
65°	765.4	831.5	1008.4	1077.5	1221.8	1240.1	1268.6	1285.9	1301.1	1386.5	1390.6
67.5°	661.7	671.9	719.7	852.8	944.3	1085.6	1102.9	1118.1	1141.5	1202.5	1240.1
70°	565.2	577.4	590.6	601.8	720.7	814.2	945.3	950.4	965.7	1006.3	1091.7
72.5°	106.7	482.8	491.0	498.1	511.3	573.3	698.3	800.0	806.1	825.4	903.7
75°	72.2	84.4	115.9	398.5	411.7	415.7	437.1	564.2	657.7	661.7	696.3
77.5°	51.8	57.9	70.1	83.4	212.4	319.2	324.3	347.6	444.2	514.3	520.4
80°	35.6	39.6	46.8	52.9	65.1	85.4	235.8	242.9	255.1	351.7	370.0
82.5°	20.3	23.4	27.4	33.5	38.6	48.8	63.0	81.3	165.7	176.9	234.8
85°	10.2	11.2	13.2	16.3	19.3	23.4	31.5	38.6	52.9	95.6	98.6
87.5°	5.1	5.1	5.1	5.1	8.1	9.1	11.2	14.2	18.3	27.4	35.6
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-LD5-62SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3376.8	3391.0	3403.2	3406.3	3406.3	3408.3	3411.4	3413.4	3415.4	3417.5	3415.4
5°	3370.7	3386.0	3396.1	3399.2	3399.2	3405.3	3410.4	3416.4	3419.5	3419.5	3417.5
7.5°	3355.5	3366.6	3379.9	3388.0	3389.0	3399.2	3408.3	3407.3	3411.4	3413.4	3418.5
10°	3335.1	3335.1	3357.5	3363.6	3368.7	3379.9	3382.9	3389.0	3403.2	3405.3	3418.5
12.5°	3325.0	3314.8	3341.2	3344.3	3361.6	3347.3	3365.6	3371.7	3357.5	3376.8	3351.4
15°	3279.2	3291.4	3287.4	3296.5	3327.0	3310.7	3360.5	3344.3	3380.9	3337.2	3414.4
17.5°	3241.6	3239.6	3255.8	3264.0	3270.1	3304.6	3317.8	3336.1	3350.4	3338.2	3368.7
20°	3214.2	3197.9	3210.1	3219.2	3240.6	3267.0	3275.2	3247.7	3295.5	3376.8	3396.1
22.5°	3162.3	3151.1	3165.4	3165.4	3197.9	3193.8	3224.3	3207.1	3251.8	3346.3	3444.9
25°	3092.2	3093.2	3108.5	3126.7	3132.8	3178.6	3194.9	3217.2	3273.1	3386.0	3445.9
27.5°	3021.0	3014.9	3024.1	3061.7	3093.2	3126.7	3131.8	3208.1	3284.3	3361.6	3414.4
30°	2949.9	2943.8	2949.9	2977.3	3014.9	3037.3	3093.2	3194.9	3266.0	3318.9	3368.7
32.5°	2873.6	2867.5	2881.8	2902.1	2968.2	2971.2	3082.0	3177.6	3233.5	3272.1	3263.0
35°	2792.3	2784.2	2797.4	2828.9	2889.9	2912.3	3028.1	3099.3	3162.3	3180.6	3137.9
37.5°	2694.7	2680.5	2696.8	2740.5	2804.5	2869.6	2966.1	3048.5	3082.0	3033.2	2982.4
40°	2593.1	2582.9	2611.4	2633.7	2709.0	2799.4	2910.2	2968.2	2946.8	2890.9	2835.0
42.5°	2502.6	2481.3	2506.7	2549.4	2634.8	2737.4	2826.9	2859.4	2808.6	2726.2	2661.2
45°	2391.8	2366.4	2396.9	2453.8	2545.3	2662.2	2732.3	2721.2	2634.8	2563.6	2474.2
47.5°	2275.9	2245.4	2275.9	2344.0	2446.7	2570.7	2621.5	2570.7	2462.0	2372.5	2300.3
50°	2162.1	2126.5	2156.0	2258.7	2359.3	2454.8	2453.8	2355.2	2290.2	2192.6	2129.6
52.5°	2049.3	1998.4	2027.9	2139.7	2240.4	2349.1	2268.8	2177.3	2099.1	2013.7	1993.4
55°	1910.0	1855.1	1894.8	2057.4	2134.6	2198.7	2070.6	1990.3	1913.0	1870.4	1844.9
57.5°	1777.9	1717.9	1752.4	1944.6	2001.5	2017.7	1899.8	1786.0	1740.2	1726.0	1689.4
60°	1641.6	1573.5	1606.1	1827.7	1867.3	1801.2	1685.4	1596.9	1587.8	1559.3	1530.8
62.5°	1511.5	1436.3	1456.6	1682.3	1700.6	1580.7	1473.9	1450.5	1428.2	1399.7	1384.5
65°	1362.1	1283.8	1312.3	1527.8	1510.5	1356.0	1296.0	1291.0	1261.5	1238.1	1260.5
67.5°	1224.9	1132.4	1172.0	1359.1	1280.8	1154.7	1130.3	1118.1	1094.8	1108.0	873.2
70°	1074.4	973.8	1027.7	1177.1	1061.2	977.9	968.7	950.4	951.4	756.3	637.3
72.5°	906.7	819.3	897.6	977.9	839.6	815.2	802.0	800.0	645.5	524.5	495.0
75°	759.3	670.9	755.3	785.8	668.9	652.6	651.6	538.7	423.9	404.6	395.4
77.5°	592.6	524.5	604.8	559.1	513.3	495.0	444.2	333.4	319.2	306.0	114.9
80°	399.5	404.6	451.3	385.3	365.9	312.1	246.0	235.8	203.3	81.3	64.0
82.5°	242.9	304.9	287.7	240.9	235.8	169.8	155.5	79.3	59.0	46.8	40.7
85°	126.0	154.5	148.4	131.1	97.6	87.4	48.8	37.6	30.5	23.4	19.3
87.5°	42.7	56.9	54.9	43.7	33.5	26.4	17.3	14.2	10.2	8.1	7.1
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-LD5-62SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3413.4	3413.4	3411.4	3413.4	3414.4	3412.4	3412.4	3414.4	3415.4	3416.4	3421.5
5°	3418.5	3420.5	3423.6	3429.7	3430.7	3442.9	3448.0	3451.0	3454.1	3455.1	3448.0
7.5°	3429.7	3436.8	3442.9	3441.9	3434.7	3415.4	3409.3	3404.3	3413.4	3436.8	3464.2
10°	3439.8	3407.3	3346.3	3429.7	3404.3	3427.6	3496.8	3512.0	3558.8	3624.8	3644.1
12.5°	3369.7	3459.1	3478.5	3384.9	3557.7	3493.7	3569.9	3637.0	3656.3	3723.4	3682.8
15°	3444.9	3488.6	3518.1	3611.6	3601.5	3656.3	3677.7	3664.5	3667.5	3684.8	3730.5
17.5°	3443.9	3531.3	3550.6	3613.7	3656.3	3657.4	3651.3	3645.2	3661.4	3674.6	3647.2
20°	3502.9	3531.3	3568.9	3594.3	3602.5	3612.6	3631.9	3616.7	3586.2	3556.7	3544.5
22.5°	3473.4	3537.4	3569.9	3574.0	3568.9	3537.4	3509.0	3466.3	3452.0	3436.8	3441.9
25°	3479.5	3509.0	3504.9	3488.6	3467.3	3408.3	3394.1	3375.8	3348.3	3282.3	3222.3
27.5°	3435.8	3420.5	3402.2	3362.6	3323.9	3292.4	3256.9	3197.9	3149.1	3078.0	3051.5
30°	3362.6	3301.6	3256.9	3233.5	3195.9	3143.0	3089.1	3017.0	2955.0	2940.7	2927.5
32.5°	3222.3	3162.3	3125.7	3068.8	3004.8	2941.7	2879.7	2851.3	2838.1	2840.1	2827.9
35°	3079.0	3026.1	2971.2	2885.8	2838.1	2775.0	2752.7	2746.6	2734.4	2721.2	2706.9
37.5°	2926.5	2864.5	2782.2	2731.3	2683.6	2658.1	2647.0	2637.8	2616.5	2593.1	2576.8
40°	2779.1	2667.3	2621.5	2571.7	2557.5	2546.3	2530.1	2507.7	2478.2	2474.2	2467.0
42.5°	2581.9	2501.6	2462.0	2451.8	2434.5	2415.2	2401.0	2376.6	2364.4	2372.5	2378.6
45°	2394.9	2354.2	2341.0	2328.8	2296.3	2268.8	2259.7	2251.5	2261.7	2306.4	2199.7
47.5°	2243.4	2227.1	2210.9	2190.6	2160.1	2139.7	2148.9	2157.0	2166.2	1837.8	1677.2
50°	2112.3	2089.9	2064.5	2042.1	2023.8	2021.8	2069.6	1926.3	1613.2	1605.1	1442.4
52.5°	1969.0	1935.4	1920.2	1907.0	1915.1	1945.6	1610.1	1494.3	1433.3	1245.2	1161.9
55°	1814.4	1785.0	1785.0	1797.2	1753.5	1421.1	1403.8	1213.7	1098.8	1066.3	1053.1
57.5°	1659.9	1656.9	1674.2	1530.8	1289.9	1237.1	1039.9	998.2	979.9	975.8	954.5
60°	1518.6	1547.1	1295.0	1191.3	1035.8	934.2	905.7	900.6	881.3	874.2	854.9
62.5°	1405.8	1165.9	1085.6	886.4	834.5	821.3	806.1	799.0	781.7	690.2	202.3
65°	1015.5	959.6	778.6	745.1	741.0	721.7	715.6	643.4	151.5	101.6	86.4
67.5°	766.4	680.0	656.7	650.6	631.2	592.6	175.9	100.6	86.4	75.2	66.1
70°	588.6	573.3	556.0	541.8	159.6	99.6	86.4	73.2	63.0	55.9	50.8
72.5°	481.8	471.7	274.5	104.7	85.4	72.2	64.0	55.9	48.8	44.7	40.7
75°	377.1	104.7	86.4	72.2	62.0	52.9	46.8	41.7	37.6	34.6	31.5
77.5°	85.4	69.1	59.0	49.8	44.7	39.6	35.6	30.5	27.4	24.4	20.3
80°	52.9	45.7	38.6	35.6	30.5	25.4	22.4	20.3	16.3	15.2	13.2
82.5°	34.6	27.4	24.4	20.3	16.3	15.2	13.2	10.2	9.1	8.1	7.1
85°	15.2	13.2	11.2	9.1	7.1	6.1	5.1	4.1	4.1	4.1	4.1
87.5°	5.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0
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-LD5-62SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3423.6	3441.9	3459.1	3454.1	3435.8	3407.3	3399.2	3388.0	3396.1	3413.4	3420.5
5°	3448.0	3437.8	3474.4	3528.3	3615.7	3623.8	3684.8	3699.0	3747.8	3778.3	3777.3
7.5°	3482.5	3626.9	3686.8	3751.9	3781.4	3774.3	3783.4	3776.3	3765.1	3760.0	3753.9
10°	3658.4	3768.2	3790.5	3790.5	3744.8	3682.8	3656.3	3610.6	3519.1	3521.1	3505.9
12.5°	3761.0	3799.7	3746.8	3702.1	3518.1	3446.9	3369.7	3333.1	3311.8	3279.2	3291.4
15°	3707.2	3652.3	3620.8	3476.4	3363.6	3235.5	3237.5	3215.2	3191.8	3193.8	3178.6
17.5°	3627.9	3584.2	3360.5	3260.9	3206.0	3156.2	3147.1	3117.6	3102.4	3097.3	3096.3
20°	3519.1	3361.6	3194.9	3170.5	3104.4	3047.5	3038.3	3047.5	3094.2	3010.9	2728.3
22.5°	3392.1	3165.4	3116.6	3047.5	3002.7	2980.4	3036.3	2782.2	2397.9	2444.7	2394.9
25°	3176.6	3078.0	2994.6	2941.7	2936.7	2799.4	2332.9	2284.1	2037.1	1904.9	1756.5
27.5°	3019.0	2976.3	2888.9	2879.7	2813.7	2289.2	2046.2	1777.9	1679.3	1664.0	1631.5
30°	2923.4	2862.5	2809.6	2578.9	2245.4	1842.9	1641.6	1604.0	1586.8	1568.5	1540.0
32.5°	2808.6	2750.6	2776.1	2168.2	1790.1	1586.8	1546.1	1518.6	1487.1	1474.9	1372.3
35°	2691.7	2665.3	2169.2	1822.6	1539.0	1490.2	1459.7	1431.2	1138.5	275.5	93.5
37.5°	2566.7	2560.6	1949.6	1512.5	1441.4	1395.7	1309.2	270.4	64.0	43.7	32.5
40°	2469.1	1950.7	1541.0	1418.0	1360.1	1287.9	180.9	44.7	28.5	17.3	11.2
42.5°	2404.0	1754.5	1379.4	1330.6	1204.6	133.2	45.7	19.3	11.2	9.1	7.1
45°	1853.1	1385.5	1288.9	1238.1	152.5	45.7	26.4	9.1	7.1	6.1	4.1
47.5°	1709.7	1258.4	1201.5	270.4	50.8	24.4	18.3	6.1	4.1	4.1	4.1
50°	1295.0	1162.9	956.5	66.1	32.5	17.3	13.2	4.1	4.1	4.1	3.0
52.5°	1135.4	1073.4	102.7	43.7	25.4	13.2	8.1	3.0	3.0	3.0	3.0
55°	1037.8	681.1	61.0	33.5	21.3	12.2	5.1	3.0	3.0	3.0	2.0
57.5°	949.4	91.5	44.7	28.5	19.3	11.2	3.0	3.0	3.0	3.0	2.0
60°	805.1	66.1	36.6	25.4	18.3	10.2	3.0	3.0	3.0	3.0	3.0
62.5°	104.7	51.8	31.5	22.4	13.2	8.1	2.0	3.0	3.0	3.0	3.0
65°	76.2	40.7	28.5	15.2	8.1	3.0	2.0	3.0	3.0	3.0	3.0
67.5°	59.0	33.5	21.3	13.2	7.1	2.0	2.0	3.0	3.0	3.0	3.0
70°	46.8	28.5	17.3	11.2	6.1	2.0	2.0	3.0	3.0	3.0	3.0
72.5°	36.6	20.3	12.2	6.1	4.1	2.0	2.0	3.0	3.0	3.0	3.0
75°	27.4	16.3	9.1	5.1	2.0	2.0	2.0	3.0	3.0	3.0	3.0
77.5°	18.3	10.2	7.1	4.1	4.1	4.1	5.1	5.1	3.0	3.0	3.0
80°	12.2	7.1	5.1	5.1	5.1	4.1	5.1	5.1	3.0	5.1	3.0
82.5°	6.1	5.1	5.1	4.1	4.1	3.0	4.1	4.1	4.1	4.1	3.0
85°	4.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.1	4.1	3.0
87.5°	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.1	4.1	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: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3411.4	3414.4	3406.3	3450.0	3427.6	3429.7	3438.8	3415.4	3420.5	3404.3	3393.1
5°	3781.4	3787.5	3793.6	3795.6	3799.7	3804.8	3798.7	3795.6	3789.5	3769.2	3747.8
7.5°	3723.4	3716.3	3713.3	3717.3	3724.4	3727.5	3722.4	3729.5	3756.0	3767.1	3774.3
10°	3418.5	3386.0	3408.3	3405.3	3379.9	3465.2	3441.9	3455.1	3464.2	3557.7	3614.7
12.5°	3273.1	3293.5	3254.8	3235.5	3260.9	3278.2	3295.5	3258.9	3309.7	3286.3	3361.6
15°	3151.1	3138.9	3134.9	3135.9	3130.8	3155.2	3161.3	3169.4	3176.6	3208.1	3220.3
17.5°	3096.3	3116.6	3124.7	3130.8	3120.6	3109.5	3098.3	3082.0	3087.1	3079.0	3102.4
20°	2538.2	2470.1	2466.0	2505.7	2462.0	2486.4	2545.3	2939.7	2926.5	3080.0	3028.1
22.5°	2118.4	2054.3	1999.5	1951.7	2019.8	2048.2	2158.0	2282.0	2483.3	2451.8	2670.3
25°	1730.1	1706.7	1692.5	1685.4	1690.4	1688.4	1712.8	1770.7	1862.2	2077.7	2356.2
27.5°	1618.3	1607.1	1602.0	1585.7	1597.9	1593.9	1613.2	1625.4	1652.8	1674.2	1764.6
30°	1529.8	1516.6	1507.5	1490.2	1502.4	1503.4	1509.5	1541.0	1552.2	1570.5	1599.0
32.5°	559.1	329.3	309.0	293.8	321.2	418.8	734.9	1284.9	1465.8	1480.0	1512.5
35°	54.9	45.7	40.7	40.7	41.7	45.7	61.0	160.6	293.8	1135.4	1421.1
37.5°	21.3	18.3	15.2	14.2	15.2	17.3	23.4	30.5	41.7	86.4	385.3
40°	9.1	8.1	7.1	7.1	7.1	7.1	8.1	10.2	15.2	28.5	44.7
42.5°	6.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	7.1	9.1	18.3
45°	4.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.1	5.1	8.1
47.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.1
50°	3.0	3.0	3.0	3.0	2.0	3.0	2.0	3.0	3.0	3.0	3.0
52.5°	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
55°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
57.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	2.0
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	3.0	3.0	2.0	3.0	2.0	2.0	3.0	3.0	3.0	2.0	2.0
72.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.1	6.1	4.1
75°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.1	6.1	5.1
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	5.1	5.1	5.1
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.1	4.1	4.1
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.1	4.1	4.1
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	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: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3373.8	3372.7	3394.1	3410.4	3404.3	3410.4	3417.5	3418.5	3420.5	3412.4	3409.3
5°	3707.2	3675.7	3614.7	3571.0	3520.1	3427.6	3381.9	3387.0	3388.0	3384.9	3389.0
7.5°	3771.2	3768.2	3746.8	3737.7	3703.1	3637.0	3531.3	3513.0	3468.3	3439.8	3416.4
10°	3610.6	3683.8	3703.1	3735.6	3756.0	3743.8	3654.3	3641.1	3612.6	3580.1	3587.2
12.5°	3436.8	3496.8	3499.8	3676.7	3716.3	3720.4	3685.8	3704.1	3708.2	3635.0	3592.3
15°	3223.3	3251.8	3311.8	3476.4	3596.4	3671.6	3694.0	3704.1	3654.3	3651.3	3634.0
17.5°	3129.8	3148.1	3175.5	3268.0	3450.0	3560.8	3655.3	3648.2	3667.5	3653.3	3609.6
20°	3011.9	3027.1	3075.9	3122.7	3212.1	3359.5	3536.4	3549.6	3575.0	3572.0	3584.2
22.5°	3009.9	2956.0	2964.1	3000.7	3094.2	3226.4	3414.4	3458.1	3474.4	3485.6	3498.8
25°	2387.8	2815.7	2894.0	2917.3	2978.3	3055.6	3277.2	3293.5	3323.9	3373.8	3410.4
27.5°	2068.6	2359.3	2672.4	2835.0	2873.6	2937.7	3069.8	3094.2	3197.9	3210.1	3267.0
30°	1632.5	1857.1	2324.7	2716.1	2780.1	2824.8	2918.4	2967.2	3011.9	3060.7	3120.6
32.5°	1535.9	1571.5	1830.7	2247.5	2745.6	2712.0	2781.1	2810.6	2859.4	2902.1	2945.8
35°	1447.5	1471.9	1526.8	1840.9	2236.3	2619.5	2666.3	2685.6	2713.0	2745.6	2777.1
37.5°	1355.0	1391.6	1429.2	1513.6	2068.6	2546.3	2545.3	2567.7	2583.9	2611.4	2637.8
40°	246.0	1277.7	1338.7	1393.6	1604.0	2031.0	2431.5	2441.6	2452.8	2470.1	2497.5
42.5°	39.6	213.5	1254.4	1307.2	1367.2	1818.5	2379.6	2337.9	2330.8	2343.0	2367.4
45°	20.3	51.8	252.1	1220.8	1274.7	1450.5	1945.6	2265.8	2258.7	2235.3	2240.4
47.5°	15.2	32.5	62.0	421.8	1193.4	1245.2	1795.1	1775.8	1911.0	2170.2	2130.6
50°	13.2	22.4	36.6	86.4	1054.1	1146.6	1382.4	1615.2	1686.4	1695.5	2006.6
52.5°	12.2	15.2	26.4	55.9	221.6	1060.2	1124.2	1205.6	1325.5	1582.7	1576.6
55°	11.2	14.2	22.4	37.6	77.3	955.5	1021.6	1036.8	1062.2	1185.2	1347.9
57.5°	6.1	13.2	21.3	32.5	57.9	174.8	927.0	939.2	959.6	964.7	1022.6
60°	3.0	12.2	19.3	28.5	42.7	81.3	833.5	847.8	860.0	862.0	880.3
62.5°	2.0	11.2	16.3	26.4	35.6	57.9	197.2	402.5	765.4	765.4	786.8
65°	2.0	8.1	10.2	17.3	32.5	47.8	83.4	96.6	188.1	462.5	690.2
67.5°	2.0	3.0	9.1	14.2	24.4	36.6	61.0	71.2	85.4	97.6	180.9
70°	2.0	2.0	8.1	9.1	15.2	27.4	43.7	49.8	57.9	66.1	76.2
72.5°	2.0	2.0	7.1	7.1	10.2	18.3	33.5	36.6	41.7	46.8	53.9
75°	5.1	4.1	6.1	6.1	7.1	14.2	25.4	28.5	30.5	34.6	39.6
77.5°	5.1	5.1	5.1	5.1	5.1	9.1	16.3	18.3	21.3	23.4	27.4
80°	4.1	4.1	4.1	5.1	5.1	6.1	10.2	11.2	12.2	15.2	16.3
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.1	7.1	9.1
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.1	4.1	4.1	4.1
87.5°	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0	3.0	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: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3408.3	3402.2	3397.1	3400.2	3391.0	3387.0	3390.0	3391.0	3393.1	3398.2	3399.2
5°	3399.2	3397.1	3406.3	3411.4	3409.3	3411.4	3411.4	3407.3	3401.2	3405.3	3396.1
7.5°	3393.1	3379.9	3369.7	3371.7	3361.6	3373.8	3384.9	3401.2	3406.3	3406.3	3396.1
10°	3497.8	3483.5	3426.6	3388.0	3362.6	3340.2	3393.1	3339.2	3364.6	3268.0	3378.8
12.5°	3584.2	3603.5	3578.1	3472.4	3454.1	3387.0	3425.6	3359.5	3340.2	3229.4	3265.0
15°	3618.7	3582.1	3574.0	3544.5	3504.9	3485.6	3381.9	3370.7	3339.2	3351.4	3304.6
17.5°	3588.2	3606.5	3582.1	3562.8	3522.2	3476.4	3414.4	3359.5	3315.8	3218.2	3300.6
20°	3558.8	3583.2	3510.0	3522.2	3526.2	3473.4	3440.8	3395.1	3340.2	3248.7	3177.6
22.5°	3510.0	3492.7	3498.8	3480.5	3465.2	3472.4	3427.6	3396.1	3303.6	3261.9	3165.4
25°	3430.7	3424.6	3440.8	3438.8	3402.2	3390.0	3367.7	3334.1	3297.5	3230.4	3151.1
27.5°	3301.6	3333.1	3361.6	3374.8	3355.5	3322.9	3310.7	3291.4	3266.0	3197.9	3138.9
30°	3165.4	3201.0	3233.5	3261.9	3279.2	3265.0	3253.8	3242.6	3204.0	3159.3	3093.2
32.5°	3009.9	3056.6	3101.3	3135.9	3173.5	3184.7	3176.6	3167.4	3134.9	3094.2	3041.4
35°	2829.9	2894.0	2959.0	3021.0	3037.3	3063.7	3090.2	3074.9	3057.6	3017.0	2968.2
37.5°	2677.5	2723.2	2770.0	2848.2	2905.2	2938.7	2985.5	2991.6	2962.1	2942.8	2878.7
40°	2519.9	2561.6	2629.7	2675.4	2753.7	2792.3	2842.1	2864.5	2857.4	2846.2	2790.3
42.5°	2395.9	2416.2	2460.9	2501.6	2578.9	2658.1	2701.9	2726.2	2751.7	2742.5	2714.0
45°	2263.7	2282.0	2297.3	2332.9	2408.1	2478.2	2532.1	2568.7	2614.4	2635.8	2601.2
47.5°	2132.6	2137.7	2156.0	2185.5	2230.2	2284.1	2374.5	2429.4	2472.1	2513.8	2491.4
50°	2032.0	2013.7	2016.7	2035.0	2071.6	2124.5	2189.5	2266.8	2315.6	2366.4	2371.5
52.5°	1775.8	1924.2	1888.7	1898.8	1918.1	1943.5	2011.6	2087.9	2147.9	2191.6	2235.3
55°	1490.2	1519.7	1805.3	1764.6	1776.8	1799.2	1830.7	1907.0	1964.9	2025.9	2086.9
57.5°	1155.8	1375.3	1386.5	1650.8	1644.7	1646.7	1673.2	1716.9	1774.8	1851.0	1902.9
60°	898.6	991.1	1171.0	1262.5	1494.3	1502.4	1517.6	1543.0	1592.9	1665.0	1747.4
62.5°	792.9	805.1	869.1	1006.3	1156.8	1338.7	1371.3	1375.3	1397.7	1469.9	1565.4
65°	696.3	704.4	723.7	738.0	864.0	1039.9	1196.4	1221.8	1236.1	1278.8	1360.1
67.5°	479.8	606.8	624.1	634.3	646.5	727.8	922.0	1051.1	1067.3	1104.9	1176.1
70°	92.5	192.1	525.5	536.7	542.8	561.1	592.6	798.0	905.7	941.3	973.8
72.5°	63.0	74.2	89.5	211.4	447.3	457.4	464.5	491.0	672.9	776.6	793.9
75°	45.7	50.8	60.0	74.2	91.5	297.8	369.0	382.2	395.4	545.9	633.3
77.5°	32.5	36.6	40.7	47.8	55.9	72.2	103.7	285.6	298.9	306.0	432.0
80°	18.3	22.4	27.4	31.5	35.6	40.7	52.9	66.1	147.4	215.5	226.7
82.5°	10.2	12.2	14.2	17.3	19.3	24.4	29.5	35.6	46.8	69.1	146.4
85°	5.1	5.1	5.1	7.1	8.1	11.2	13.2	15.2	21.3	29.5	40.7
87.5°	3.0	3.0	4.1	4.1	4.1	5.1	5.1	5.1	6.1	9.1	13.2
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-LD5-62SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	3387.0	3387.0	3387.0	3387.0	3387.0
2.5°	3400.2	3397.1	3397.1	3409.3	3406.3
5°	3394.1	3391.0	3390.0	3403.2	3397.1
7.5°	3389.0	3377.8	3374.8	3387.0	3381.9
10°	3368.7	3360.5	3365.6	3361.6	3359.5
12.5°	3334.1	3329.0	3307.7	3309.7	3327.0
15°	3272.1	3292.4	3255.8	3288.4	3295.5
17.5°	3158.3	3204.0	3239.6	3258.9	3261.9
20°	3209.1	3224.3	3206.0	3207.1	3219.2
22.5°	3143.0	3150.1	3155.2	3149.1	3175.5
25°	3037.3	3009.9	3068.8	3081.0	3123.7
27.5°	3004.8	2982.4	3009.9	3007.8	3043.4
30°	2978.3	2906.2	2918.4	2937.7	2981.4
32.5°	2940.7	2826.9	2814.7	2857.4	2906.2
35°	2874.7	2766.9	2738.4	2765.9	2839.1
37.5°	2818.7	2683.6	2626.6	2663.2	2758.8
40°	2735.4	2618.5	2530.1	2562.6	2675.4
42.5°	2635.8	2562.6	2426.4	2448.7	2577.8
45°	2535.1	2470.1	2325.7	2336.9	2490.4
47.5°	2432.5	2372.5	2221.0	2223.1	2378.6
50°	2331.8	2252.6	2127.5	2092.0	2259.7
52.5°	2200.7	2127.5	2033.0	1975.1	2146.8
55°	2076.7	1994.4	1925.2	1835.8	2018.8
57.5°	1955.7	1864.3	1817.5	1702.6	1873.4
60°	1790.1	1746.3	1677.2	1567.4	1742.3
62.5°	1620.3	1606.1	1535.9	1422.1	1580.7
65°	1422.1	1455.6	1383.5	1285.9	1412.9
67.5°	1235.0	1295.0	1215.7	1155.8	1251.3
70°	1035.8	1104.9	1060.2	1038.9	1079.5
72.5°	839.6	906.7	910.8	895.5	908.7
75°	648.5	722.7	763.4	740.0	743.1
77.5°	492.0	527.6	572.3	590.6	586.5
80°	303.9	365.9	402.5	440.1	426.9
82.5°	153.5	205.3	250.1	290.7	271.4
85°	64.0	82.3	114.9	151.5	145.4
87.5°	19.3	32.5	34.6	48.8	45.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)