

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-L940-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-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

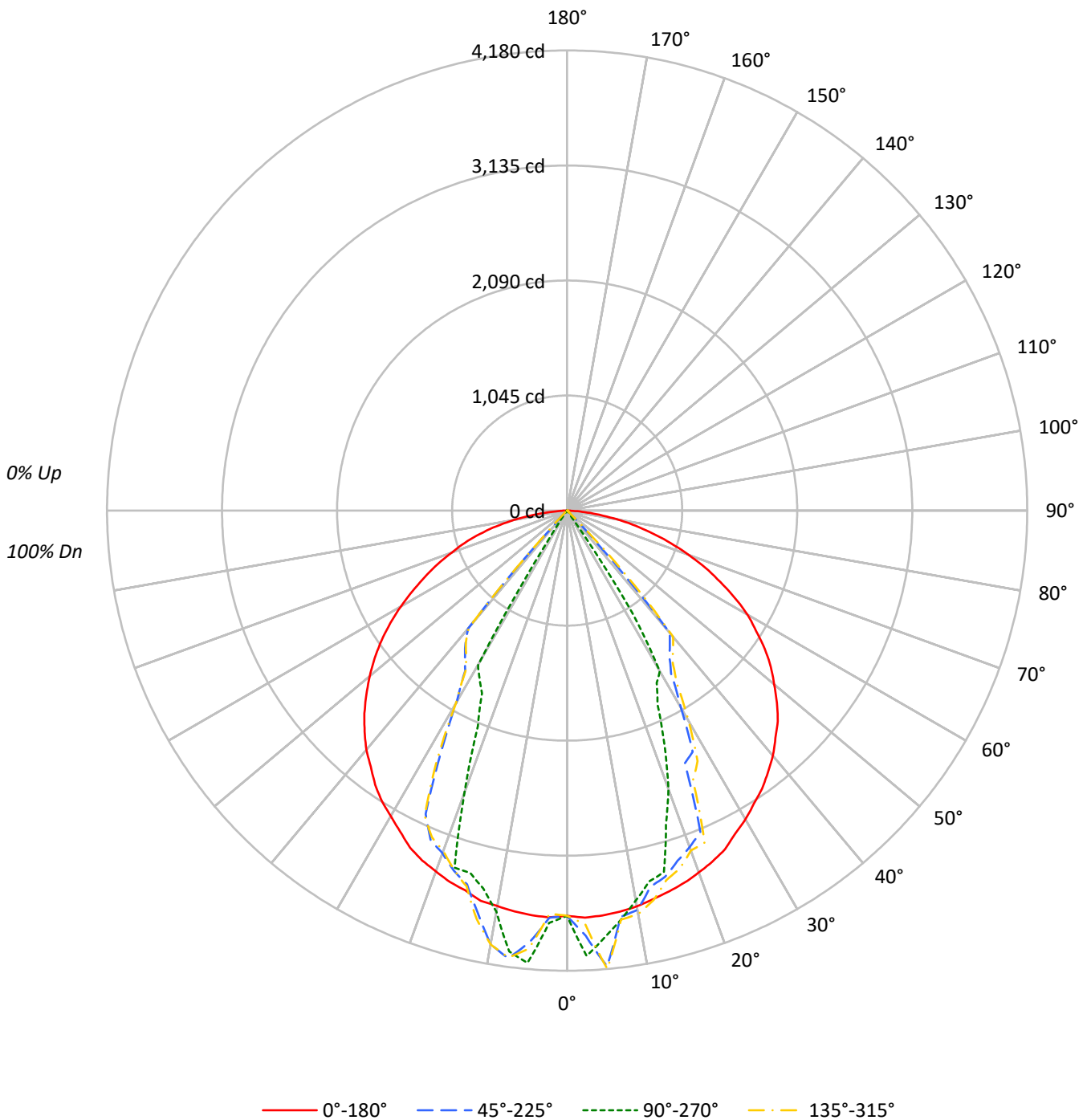
Lumens per Lamp: N/A  
Luminaire Lumens: 5233.0 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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	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°	14870	14870	14870	14870
5°	14951	15294	14947	16196
10°	14936	13839	14927	14238
15°	14916	12917	14880	12951
20°	14956	10174	14913	10300
25°	15023	7363	14949	6948
30°	14979	6459	14821	6209
35°	15052	142	14831	173
40°	15135	31	14773	31
45°	15225	18	14653	14
50°	15152	14	14457	14
55°	15115	10	14186	10
60°	14895	11	13731	11
65°	14203	17	13191	12
70°	13287	19	12649	19
75°	11910	21	12106	21
80°	9916	25	10482	25
85°	6211	29	6345	29



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	369.2	7.1
10°-20°	1007.1	19.2
20°-30°	1281.6	24.5
30°-40°	1082.6	20.7
40°-50°	707.7	13.5
50°-60°	445.9	8.5
60°-70°	237.4	4.5
70°-80°	86.5	1.7
80°-90°	14.9	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°	2657.9	50.8
0°-40°	3740.5	71.5
0°-60°	4894.2	93.5
0°-90°	5233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5233.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3680	3680	3680	3680	3680	
5°	3691	3894	3690	4124	3691	351
15°	3581	3399	3572	3407	3581	1012
25°	3394	1941	3378	1831	3394	1561
35°	3085	36	3040	44	3085	1930
45°	2706	4	2604	3	2706	2081
55°	2194	2	2059	2	2194	1954
65°	1535	3	1426	2	1535	1521
75°	807	3	821	3	807	857
85°	158	3	161	3	158	200
90°	0	0	0	0	0	



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	3701.2	3703.4	3704.5	3706.7	3710.1	3711.2	3713.4	3711.2	3711.2	3711.2	3711.2
5°	3691.3	3695.7	3699.0	3703.4	3711.2	3712.3	3721.1	3722.2	3726.6	3735.5	3742.1
7.5°	3674.7	3679.1	3685.8	3696.8	3707.8	3720.0	3735.5	3752.0	3775.2	3797.3	3824.9
10°	3650.4	3655.9	3663.7	3673.6	3727.7	3735.5	3769.7	3817.2	3830.5	3900.0	3951.9
12.5°	3615.1	3633.8	3653.7	3662.6	3714.5	3796.2	3911.1	3887.9	3862.5	4090.0	4086.7
15°	3580.8	3606.2	3596.3	3668.1	3715.6	3858.1	3809.5	3913.3	4103.3	4056.9	4059.1
17.5°	3544.4	3549.9	3605.1	3664.8	3749.8	3822.7	3882.4	4024.8	4062.4	4065.7	4024.8
20°	3498.0	3524.5	3605.1	3659.3	3802.8	3837.1	3966.3	4039.2	4023.7	3986.2	3916.6
22.5°	3450.5	3531.1	3612.9	3689.1	3789.6	3881.3	3945.3	3979.6	3898.9	3750.9	3671.4
25°	3394.2	3441.7	3548.8	3660.4	3786.3	3839.3	3876.8	3821.6	3716.7	3584.1	3450.5
27.5°	3306.9	3383.1	3520.1	3646.0	3759.8	3823.8	3763.1	3630.5	3461.5	3374.3	3313.5
30°	3239.5	3338.9	3451.6	3573.1	3691.3	3728.8	3574.2	3422.9	3306.9	3219.7	3206.4
32.5°	3157.8	3299.2	3406.3	3522.3	3621.7	3572.0	3421.8	3226.3	3130.2	3097.1	3110.3
35°	3084.9	3192.0	3332.3	3446.1	3517.9	3406.3	3168.8	3047.4	3001.0	3019.7	2995.4
37.5°	2997.6	3139.0	3268.3	3366.6	3342.3	3174.4	2973.3	2896.0	2901.6	2886.1	2839.7
40°	2907.1	3041.8	3176.6	3269.4	3184.3	2928.1	2794.4	2777.8	2781.2	2731.5	2665.2
42.5°	2801.0	2923.6	3058.4	3142.3	2959.0	2759.1	2668.5	2670.7	2642.0	2572.4	2537.1
45°	2706.1	2818.7	2959.0	2966.7	2741.4	2574.6	2548.1	2519.4	2455.3	2432.1	2405.6
47.5°	2584.6	2709.4	2825.3	2783.4	2528.2	2424.4	2404.5	2341.6	2309.5	2291.9	2269.8
50°	2455.3	2581.2	2687.3	2568.0	2327.2	2302.9	2237.7	2188.0	2165.9	2147.2	2127.3
52.5°	2332.7	2436.6	2544.8	2339.4	2172.6	2149.4	2075.4	2046.7	2024.6	2003.6	1999.2
55°	2193.6	2285.2	2359.2	2121.8	2024.6	1970.5	1917.4	1897.6	1876.6	1866.6	1883.2
57.5°	2035.6	2139.4	2128.4	1907.5	1864.4	1786.0	1766.1	1752.9	1737.4	1744.0	1606.0
60°	1893.1	1972.7	1918.5	1750.7	1677.8	1624.7	1607.1	1598.2	1607.1	1472.3	1294.5
62.5°	1717.5	1807.0	1697.6	1567.3	1490.0	1464.6	1449.1	1461.3	1332.0	1184.0	1141.0
65°	1535.3	1632.5	1471.2	1370.7	1322.1	1300.0	1298.9	1196.2	1069.2	1011.7	1011.7
67.5°	1359.7	1460.2	1252.5	1168.6	1149.8	1152.0	1087.9	932.2	896.9	858.2	746.7
70°	1173.0	1261.4	1034.9	984.1	973.1	965.3	809.6	767.6	725.7	622.9	614.1
72.5°	987.4	1030.5	831.7	819.5	817.3	679.3	648.3	576.6	528.0	515.8	510.3
75°	807.4	794.1	657.2	668.2	563.3	514.7	465.0	423.0	416.4	412.0	102.7
77.5°	637.3	571.0	518.0	450.6	403.1	342.4	332.5	325.8	214.3	77.3	63.0
80°	463.9	370.0	344.6	292.7	249.6	239.7	245.2	75.1	59.6	49.7	43.1
82.5°	294.9	236.4	193.3	169.0	164.6	71.8	53.0	43.1	37.6	32.0	26.5
85°	157.9	104.9	97.2	81.7	48.6	33.1	27.6	21.0	17.7	14.4	13.3
87.5°	49.7	42.0	34.2	27.6	16.6	11.0	8.8	7.7	6.6	5.5	5.5
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):**

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	3709.0	3711.2	3710.1	3713.4	3713.4	3717.8	3721.1	3724.4	3731.0	3734.4	3759.8
5°	3756.4	3762.0	3778.5	3794.0	3812.8	3818.3	3850.3	3858.1	3895.6	3900.0	4023.7
7.5°	3862.5	3883.5	3923.2	3963.0	4002.8	4028.2	4072.3	4100.0	4129.8	4156.3	4254.6
10°	3990.6	4025.9	4064.6	4104.4	4127.6	4176.2	4202.7	4207.1	4199.4	4156.3	3997.2
12.5°	4116.5	4151.9	4135.3	4143.0	4170.6	4084.5	4096.6	4034.8	4077.9	3864.7	3706.7
15°	4098.8	4096.6	4055.8	3923.2	3945.3	3780.7	3714.5	3663.7	3704.5	3682.4	3658.1
17.5°	4045.8	3945.3	3874.6	3715.6	3648.2	3601.8	3602.9	3604.0	3584.1	3605.1	3543.3
20°	3821.6	3709.0	3604.0	3547.7	3527.8	3494.7	3511.2	3494.7	3495.8	3502.4	3407.4
22.5°	3523.4	3489.2	3428.4	3446.1	3439.5	3469.3	3447.2	3412.9	3424.0	3374.3	3302.5
25°	3403.0	3363.2	3361.0	3367.7	3357.7	3344.5	3324.6	3272.7	3269.4	3253.9	3220.8
27.5°	3281.5	3283.7	3290.3	3270.5	3235.1	3208.6	3178.8	3153.4	3163.3	3145.7	3100.4
30°	3197.6	3196.5	3156.7	3139.0	3073.9	3075.0	3067.2	3051.8	3041.8	3042.9	3014.2
32.5°	3078.3	3044.0	2998.8	2976.7	2971.1	2951.3	2935.8	2939.1	2946.8	2919.2	2949.0
35°	2955.7	2885.0	2878.4	2859.6	2841.9	2828.7	2834.2	2812.1	2811.0	2807.7	2564.7
37.5°	2791.1	2756.9	2753.6	2733.7	2721.5	2718.2	2697.2	2700.5	2710.5	2728.1	2186.9
40°	2655.2	2624.3	2616.6	2615.5	2589.0	2586.8	2592.3	2613.3	2627.6	2517.2	2084.2
42.5°	2509.5	2511.7	2487.4	2471.9	2475.2	2485.2	2511.7	2438.8	2112.9	2013.5	1905.3
45°	2384.6	2373.6	2360.3	2355.9	2384.6	2364.8	2073.2	1913.0	1874.4	1869.9	1566.2
47.5°	2254.3	2251.0	2245.5	2248.8	2085.3	1858.9	1792.6	1771.6	1778.3	1773.8	1345.3
50°	2122.9	2127.3	2127.3	1857.8	1705.4	1667.8	1673.3	1692.1	1575.0	1470.1	1253.6
52.5°	2009.1	1974.9	1692.1	1594.9	1560.7	1577.2	1537.5	1390.6	1284.5	1222.7	1159.7
55°	1798.1	1546.3	1483.4	1467.9	1480.0	1333.1	1242.6	1147.6	1120.0	1113.3	1076.9
57.5°	1414.9	1364.1	1369.6	1307.7	1167.5	1084.6	1048.2	1034.9	1022.8	1013.9	88.4
60°	1251.4	1265.8	1158.6	1026.1	969.8	958.7	949.9	937.7	935.5	920.1	56.3
62.5°	1145.4	1007.3	914.5	881.4	868.1	864.8	848.3	842.7	715.7	98.3	42.0
65°	863.7	807.4	789.7	782.0	767.6	767.6	637.3	100.5	81.7	70.7	37.6
67.5°	704.7	700.3	691.4	681.5	463.9	97.2	85.0	74.0	64.1	56.3	33.1
70°	596.4	594.2	541.2	99.4	82.8	72.9	64.1	57.4	53.0	47.5	29.8
72.5°	489.3	99.4	83.9	72.9	63.0	57.4	51.9	46.4	42.0	38.7	24.3
75°	76.2	67.4	59.6	54.1	49.7	44.2	39.8	36.4	35.3	30.9	16.6
77.5°	55.2	47.5	43.1	38.7	34.2	30.9	26.5	23.2	21.0	17.7	12.1
80°	38.7	34.2	30.9	25.4	22.1	18.8	16.6	14.4	13.3	11.0	5.5
82.5°	22.1	18.8	16.6	13.3	12.1	9.9	8.8	7.7	7.7	5.5	5.5
85°	9.9	9.9	7.7	6.6	5.5	5.5	5.5	4.4	4.4	3.3	3.3
87.5°	4.4	4.4	4.4	4.4	4.4	3.3	3.3	3.3	3.3	3.3	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):**

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	3795.1	3809.5	3837.1	3865.8	3833.8	3948.6	3939.8	3978.5	3999.4	4009.4	4032.6
5°	4133.1	4197.1	4218.1	4155.2	4118.7	4081.2	3996.1	3932.1	3939.8	3918.8	3842.6
7.5°	4126.5	3989.5	3805.0	3721.1	3714.5	3704.5	3731.0	3746.5	3748.7	3747.6	3745.4
10°	3777.4	3706.7	3694.6	3683.6	3688.0	3647.1	3628.3	3575.3	3604.0	3588.6	3594.1
12.5°	3671.4	3654.8	3589.7	3499.1	3553.2	3512.4	3489.2	3504.6	3486.9	3470.4	3464.9
15°	3608.4	3501.3	3464.9	3442.8	3427.3	3418.5	3426.2	3408.5	3403.0	3399.7	3407.4
17.5°	3478.1	3435.0	3395.3	3336.7	3337.8	3334.5	3356.6	3389.8	3392.0	3221.9	3068.3
20°	3375.4	3340.0	3289.2	3252.8	3302.5	3214.1	2872.8	2710.5	2685.1	2685.1	2689.5
22.5°	3293.7	3215.2	3218.6	3161.1	2696.1	2601.1	2603.3	2613.3	2568.0	2413.4	2396.8
25°	3182.1	3170.0	2928.1	2530.4	2533.8	2459.8	2346.0	2185.8	2012.4	2012.4	1983.7
27.5°	3098.2	2840.8	2487.4	2470.8	2222.3	2065.4	1968.2	1821.3	1801.5	1782.7	1784.9
30°	3026.4	2403.4	2412.3	2065.4	1882.1	1751.8	1744.0	1719.7	1707.6	1704.3	1692.1
32.5°	2392.4	2340.5	2019.0	1758.4	1686.6	1665.6	1655.7	1628.1	1626.9	1606.0	1460.2
35°	2243.3	2054.4	1689.9	1619.2	1598.2	1578.3	1561.8	1048.2	123.7	49.7	43.1
37.5°	2073.2	1716.4	1562.9	1530.9	1511.0	1116.7	111.6	38.7	27.6	19.9	17.7
40°	1757.3	1533.1	1484.5	1449.1	597.5	38.7	24.3	18.8	11.0	9.9	8.8
42.5°	1482.3	1444.7	1392.8	424.1	44.2	18.8	12.1	8.8	7.7	7.7	6.6
45°	1387.3	1354.1	561.1	42.0	27.6	8.8	7.7	7.7	6.6	4.4	4.4
47.5°	1298.9	1143.2	50.8	26.5	17.7	7.7	6.6	4.4	4.4	4.4	3.3
50°	1205.0	63.0	35.3	19.9	11.0	4.4	4.4	4.4	4.4	3.3	3.3
52.5°	225.3	44.2	28.7	17.7	5.5	4.4	4.4	4.4	3.3	3.3	3.3
55°	53.0	35.3	26.5	15.5	4.4	4.4	4.4	3.3	3.3	3.3	2.2
57.5°	39.8	26.5	21.0	14.4	4.4	3.3	3.3	3.3	3.3	3.3	2.2
60°	33.1	18.8	16.6	13.3	3.3	3.3	3.3	3.3	3.3	3.3	2.2
62.5°	23.2	15.5	12.1	9.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	18.8	12.1	9.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	16.6	9.9	6.6	2.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
70°	13.3	3.3	3.3	2.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
72.5°	11.0	3.3	2.2	2.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
75°	11.0	5.5	2.2	2.2	3.3	3.3	4.4	4.4	3.3	3.3	3.3
77.5°	7.7	5.5	2.2	2.2	3.3	3.3	4.4	4.4	3.3	3.3	3.3
80°	4.4	5.5	2.2	3.3	3.3	6.6	7.7	4.4	3.3	3.3	3.3
82.5°	4.4	5.5	6.6	6.6	3.3	5.5	6.6	5.5	4.4	3.3	3.3
85°	4.4	3.3	4.4	5.5	3.3	5.5	5.5	4.4	4.4	3.3	3.3
87.5°	2.2	3.3	3.3	4.4	4.4	4.4	5.5	4.4	4.4	4.4	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	4043.6	4048.0	3978.5	3954.2	3975.1	3970.7	3951.9	3882.4	3874.6	3828.2	3760.9
5°	3864.7	3894.5	3858.1	3921.0	3891.2	3921.0	4011.6	4053.6	4122.0	4164.0	4179.5
7.5°	3739.9	3746.5	3746.5	3752.0	3757.6	3758.7	3752.0	3747.6	3728.8	3705.6	3747.6
10°	3588.6	3596.3	3609.5	3607.3	3606.2	3629.4	3635.0	3682.4	3680.2	3689.1	3721.1
12.5°	3510.1	3450.5	3504.6	3490.3	3510.1	3479.2	3536.7	3526.7	3530.0	3556.5	3625.0
15°	3379.8	3398.6	3411.8	3411.8	3419.6	3412.9	3406.3	3451.6	3479.2	3480.3	3475.9
17.5°	3129.1	2986.6	3132.4	3094.8	3394.2	3401.9	3376.5	3355.5	3355.5	3372.1	3407.4
20°	2686.2	2689.5	2690.6	2705.0	2722.6	2721.5	2722.6	3157.8	3364.3	3316.9	3284.8
22.5°	2354.8	2314.0	2390.2	2384.6	2479.6	2584.6	2685.1	2675.1	2681.8	2988.8	3264.9
25°	1887.6	1940.6	1897.6	1916.3	2023.5	2148.3	2225.6	2427.7	2647.5	2632.1	2703.8
27.5°	1777.2	1762.8	1782.7	1782.7	1797.0	1813.6	1856.7	1970.5	2165.9	2371.4	2565.8
30°	1672.2	1684.4	1686.6	1706.5	1717.5	1728.6	1735.2	1778.3	1822.4	1964.9	2204.6
32.5°	1255.8	1101.2	1449.1	1543.0	1622.5	1641.3	1654.6	1672.2	1704.3	1725.2	1845.6
35°	36.4	36.4	38.7	44.2	56.3	380.0	1446.9	1594.9	1615.9	1642.4	1664.5
37.5°	17.7	13.3	15.5	16.6	19.9	27.6	39.8	123.7	1377.3	1557.4	1581.7
40°	7.7	7.7	7.7	7.7	8.8	11.0	16.6	27.6	42.0	1107.8	1494.4
42.5°	6.6	6.6	6.6	6.6	6.6	6.6	7.7	9.9	19.9	47.5	784.2
45°	4.4	4.4	3.3	4.4	4.4	5.5	6.6	6.6	8.8	29.8	54.1
47.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.5	6.6	19.9	28.7
50°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	15.5	19.9
52.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	6.6	17.7
55°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	4.4	15.5
57.5°	2.2	2.2	2.2	2.2	2.2	3.3	2.2	2.2	3.3	3.3	14.4
60°	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3	3.3	3.3	13.3
62.5°	3.3	3.3	2.2	3.3	2.2	2.2	3.3	3.3	3.3	3.3	8.8
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.2	3.3
67.5°	3.3	3.3	3.3	3.3	2.2	3.3	2.2	3.3	3.3	2.2	2.2
70°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2
72.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	2.2
75°	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4	2.2	2.2	2.2
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	5.5	6.6	5.5	5.5	2.2
80°	3.3	3.3	3.3	3.3	3.3	3.3	5.5	5.5	5.5	5.5	7.7
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4	4.4	4.4	5.5
85°	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4	4.4	3.3	4.4
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.4	3.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	3766.4	3728.8	3716.7	3691.3	3689.1	3691.3	3685.8	3678.0	3682.4	3674.7	3668.1
5°	4188.3	4087.8	4022.6	3935.4	3815.0	3788.5	3781.9	3744.3	3731.0	3726.6	3709.0
7.5°	3847.0	4030.4	4140.8	4178.4	4037.0	4003.9	3965.2	3934.3	3904.5	3848.1	3813.9
10°	3695.7	3704.5	3810.6	3934.3	4135.3	4162.9	4183.9	4116.5	4097.7	3954.2	3923.2
12.5°	3660.4	3661.5	3673.6	3748.7	3906.7	3924.3	3998.3	4038.1	4086.7	4114.3	4092.2
15°	3499.1	3588.6	3654.8	3661.5	3675.8	3706.7	3728.8	3866.9	3925.4	4082.3	4073.4
17.5°	3424.0	3452.7	3548.8	3627.2	3614.0	3602.9	3620.6	3639.4	3695.7	3852.5	3850.3
20°	3299.2	3390.9	3442.8	3524.5	3598.5	3601.8	3581.9	3570.9	3548.8	3574.2	3597.4
22.5°	3246.2	3260.5	3357.7	3415.2	3499.1	3528.9	3533.3	3534.4	3522.3	3509.0	3502.4
25°	3240.6	3195.4	3245.1	3316.9	3378.7	3410.7	3447.2	3459.3	3454.9	3454.9	3448.3
27.5°	2651.9	3181.0	3154.5	3202.0	3277.1	3299.2	3318.0	3355.5	3378.7	3395.3	3403.0
30°	2526.0	2621.0	3083.8	3090.4	3166.6	3164.4	3185.4	3216.3	3246.2	3284.8	3294.8
32.5°	2234.4	2467.5	2823.1	2978.9	3058.4	3066.1	3077.2	3086.0	3113.6	3156.7	3194.3
35°	1790.4	2247.7	2418.9	2925.9	2940.2	2955.7	2962.3	2983.3	2992.1	3009.8	3042.9
37.5°	1620.3	1857.8	2320.6	2530.4	2804.4	2817.6	2853.0	2861.8	2876.2	2890.5	2915.9
40°	1522.0	1587.2	1931.8	2259.8	2695.0	2703.8	2716.0	2738.1	2739.2	2755.8	2779.0
42.5°	1443.6	1485.6	1586.1	2158.2	2617.7	2616.6	2587.9	2602.2	2608.9	2626.5	2658.6
45°	1153.1	1393.9	1458.0	1762.8	2084.2	2234.4	2522.7	2475.2	2474.1	2480.7	2515.0
47.5°	58.5	1311.1	1356.3	1454.6	1968.2	1973.8	2011.3	2327.2	2375.8	2360.3	2363.7
50°	39.8	90.6	1263.6	1308.8	1696.5	1833.5	1861.1	1875.5	2057.7	2260.9	2227.8
52.5°	30.9	51.9	774.3	1215.0	1378.4	1478.9	1656.8	1758.4	1769.4	1851.2	2128.4
55°	27.6	39.8	83.9	1121.1	1171.9	1194.0	1297.8	1475.6	1619.2	1662.3	1665.6
57.5°	24.3	36.4	57.4	507.0	1065.9	1070.3	1087.9	1149.8	1279.0	1397.2	1530.9
60°	22.1	32.0	45.3	87.3	968.7	979.7	983.0	999.6	1015.0	1095.7	1249.2
62.5°	13.3	25.4	39.8	63.0	766.5	880.3	879.2	890.2	904.6	913.4	944.4
65°	11.0	19.9	34.2	53.0	93.9	117.1	711.3	790.8	799.7	811.8	817.3
67.5°	9.9	17.7	25.4	42.0	70.7	80.6	92.8	114.9	627.4	706.9	717.9
70°	8.8	12.1	21.0	35.3	57.4	61.9	69.6	79.5	93.9	116.0	567.7
72.5°	5.5	8.8	14.4	25.4	44.2	49.7	54.1	60.7	67.4	80.6	92.8
75°	2.2	6.6	12.1	18.8	34.2	37.6	40.9	45.3	50.8	59.6	66.3
77.5°	2.2	5.5	9.9	13.3	22.1	25.4	29.8	33.1	37.6	42.0	48.6
80°	7.7	4.4	6.6	9.9	15.5	16.6	18.8	21.0	24.3	27.6	32.0
82.5°	5.5	6.6	7.7	6.6	7.7	9.9	11.0	13.3	14.4	16.6	17.7
85°	4.4	4.4	5.5	5.5	5.5	5.5	5.5	5.5	6.6	7.7	9.9
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	3668.1	3665.9	3659.3	3659.3	3658.1	3662.6	3665.9	3669.2	3668.1	3674.7	3668.1
5°	3695.7	3690.2	3680.2	3671.4	3668.1	3670.3	3667.0	3670.3	3665.9	3671.4	3661.5
7.5°	3771.9	3753.1	3714.5	3699.0	3679.1	3678.0	3668.1	3665.9	3659.3	3659.3	3647.1
10°	3906.7	3816.1	3805.0	3758.7	3742.1	3661.5	3679.1	3649.3	3646.0	3631.6	3626.1
12.5°	4017.1	3946.4	3925.4	3884.6	3838.2	3674.7	3711.2	3647.1	3643.8	3615.1	3585.2
15°	4019.3	4060.2	4002.8	3890.1	3880.2	3767.5	3693.5	3671.4	3642.7	3556.5	3570.9
17.5°	3890.1	3984.0	4011.6	3987.3	3916.6	3840.4	3736.6	3692.4	3606.2	3567.6	3541.1
20°	3680.2	3775.2	3893.4	3901.1	3945.3	3891.2	3755.3	3683.6	3579.7	3512.4	3490.3
22.5°	3513.5	3583.0	3718.9	3781.9	3836.0	3854.8	3768.6	3662.6	3533.3	3468.2	3454.9
25°	3425.1	3440.6	3481.4	3555.4	3674.7	3760.9	3773.0	3660.4	3593.0	3450.5	3375.4
27.5°	3393.1	3379.8	3363.2	3400.8	3490.3	3595.2	3664.8	3683.6	3515.7	3379.8	3304.7
30°	3311.3	3319.1	3293.7	3280.4	3338.9	3447.2	3570.9	3601.8	3472.6	3332.3	3246.2
32.5°	3210.8	3224.1	3228.5	3205.3	3193.1	3268.3	3401.9	3475.9	3469.3	3264.9	3168.8
35°	3084.9	3122.5	3132.4	3133.5	3113.6	3101.5	3178.8	3332.3	3390.9	3234.0	3094.8
37.5°	2952.4	2963.4	3017.5	3031.9	3031.9	2995.4	3052.9	3175.5	3257.2	3164.4	3004.3
40°	2786.7	2822.0	2872.8	2898.2	2923.6	2927.0	2894.9	2981.1	3115.8	3092.6	2919.2
42.5°	2666.3	2689.5	2720.4	2754.7	2806.6	2819.8	2786.7	2802.1	2942.4	3003.2	2808.8
45°	2526.0	2556.9	2565.8	2603.3	2657.5	2696.1	2695.0	2663.0	2775.6	2850.7	2728.1
47.5°	2382.4	2412.3	2427.7	2446.5	2486.3	2536.0	2563.6	2549.2	2571.3	2718.2	2621.0
50°	2234.4	2251.0	2281.9	2302.9	2329.4	2358.1	2424.4	2437.7	2406.7	2523.8	2502.8
52.5°	2094.2	2099.7	2120.7	2141.7	2177.0	2198.0	2251.0	2290.8	2288.6	2322.8	2371.4
55°	1984.8	1960.5	1964.9	1981.5	2004.7	2036.7	2066.5	2128.4	2149.4	2156.0	2233.3
57.5°	1550.7	1800.4	1822.4	1821.3	1849.0	1863.3	1890.9	1931.8	2006.9	1990.3	2076.5
60°	1409.4	1437.0	1645.7	1670.0	1680.0	1693.2	1726.4	1763.9	1819.1	1854.5	1892.0
62.5°	1074.7	1242.6	1305.5	1490.0	1518.7	1526.4	1548.5	1566.2	1623.6	1704.3	1688.8
65°	831.7	903.5	1095.7	1170.8	1327.6	1347.5	1378.4	1397.2	1413.8	1506.6	1511.0
67.5°	719.0	730.1	782.0	926.7	1026.1	1179.6	1198.4	1215.0	1240.4	1306.6	1347.5
70°	614.1	627.4	641.7	653.9	783.1	884.7	1027.2	1032.7	1049.3	1093.5	1186.2
72.5°	116.0	524.6	533.5	541.2	555.6	622.9	758.8	869.3	875.9	896.9	981.9
75°	78.4	91.7	125.9	433.0	447.3	451.7	474.9	613.0	714.6	719.0	756.6
77.5°	56.3	63.0	76.2	90.6	230.8	346.8	352.3	377.7	482.7	558.9	565.5
80°	38.7	43.1	50.8	57.4	70.7	92.8	256.2	264.0	277.2	382.2	402.0
82.5°	22.1	25.4	29.8	36.4	42.0	53.0	68.5	88.4	180.0	192.2	255.1
85°	11.0	12.1	14.4	17.7	21.0	25.4	34.2	42.0	57.4	103.8	107.1
87.5°	5.5	5.5	5.5	5.5	8.8	9.9	12.1	15.5	19.9	29.8	38.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	3669.2	3684.7	3697.9	3701.2	3701.2	3703.4	3706.7	3709.0	3711.2	3713.4	3711.2
5°	3662.6	3679.1	3690.2	3693.5	3693.5	3700.1	3705.6	3712.3	3715.6	3715.6	3713.4
7.5°	3646.0	3658.1	3672.5	3681.3	3682.4	3693.5	3703.4	3702.3	3706.7	3709.0	3714.5
10°	3623.9	3623.9	3648.2	3654.8	3660.4	3672.5	3675.8	3682.4	3697.9	3700.1	3714.5
12.5°	3612.9	3601.8	3630.5	3633.8	3652.6	3637.2	3657.0	3663.7	3648.2	3669.2	3641.6
15°	3563.2	3576.4	3572.0	3581.9	3615.1	3597.4	3651.5	3633.8	3673.6	3626.1	3710.1
17.5°	3522.3	3520.1	3537.8	3546.6	3553.2	3590.8	3605.1	3625.0	3640.5	3627.2	3660.4
20°	3492.5	3474.8	3488.1	3498.0	3521.2	3549.9	3558.7	3528.9	3580.8	3669.2	3690.2
22.5°	3436.1	3424.0	3439.5	3439.5	3474.8	3470.4	3503.5	3484.7	3533.3	3636.1	3743.2
25°	3359.9	3361.0	3377.6	3397.5	3404.1	3453.8	3471.5	3495.8	3556.5	3679.1	3744.3
27.5°	3282.6	3276.0	3285.9	3326.8	3361.0	3397.5	3403.0	3485.8	3568.7	3652.6	3710.1
30°	3205.3	3198.7	3205.3	3235.1	3276.0	3300.3	3361.0	3471.5	3548.8	3606.2	3660.4
32.5°	3122.5	3115.8	3131.3	3153.4	3225.2	3228.5	3348.9	3452.7	3513.5	3555.4	3545.5
35°	3034.1	3025.3	3039.6	3073.9	3140.1	3164.4	3290.3	3367.7	3436.1	3456.0	3409.6
37.5°	2928.1	2912.6	2930.3	2977.8	3047.4	3118.0	3223.0	3312.4	3348.9	3295.9	3240.6
40°	2817.6	2806.6	2837.5	2861.8	2943.5	3041.8	3162.2	3225.2	3202.0	3141.2	3080.5
42.5°	2719.3	2696.1	2723.7	2770.1	2862.9	2974.5	3071.7	3107.0	3051.8	2962.3	2891.6
45°	2598.9	2571.3	2604.4	2666.3	2765.7	2892.7	2968.9	2956.8	2862.9	2785.6	2688.4
47.5°	2473.0	2439.9	2473.0	2547.0	2658.6	2793.3	2848.5	2793.3	2675.1	2577.9	2499.5
50°	2349.3	2310.6	2342.7	2454.2	2563.6	2667.4	2666.3	2559.2	2488.5	2382.4	2314.0
52.5°	2226.7	2171.5	2203.5	2325.0	2434.3	2552.5	2465.3	2365.9	2280.8	2188.0	2165.9
55°	2075.4	2015.7	2058.8	2235.5	2319.5	2389.1	2249.9	2162.6	2078.7	2032.3	2004.7
57.5°	1931.8	1866.6	1904.2	2112.9	2174.8	2192.5	2064.3	1940.6	1890.9	1875.5	1835.7
60°	1783.8	1709.8	1745.1	1985.9	2029.0	1957.2	1831.3	1735.2	1725.2	1694.3	1663.4
62.5°	1642.4	1560.7	1582.8	1828.0	1847.9	1717.5	1601.5	1576.1	1551.8	1520.9	1504.3
65°	1480.0	1395.0	1425.9	1660.1	1641.3	1473.4	1408.3	1402.7	1370.7	1345.3	1369.6
67.5°	1330.9	1230.4	1273.5	1476.7	1391.7	1254.7	1228.2	1215.0	1189.6	1203.9	948.8
70°	1167.5	1058.1	1116.7	1279.0	1153.1	1062.5	1052.6	1032.7	1033.8	821.8	692.5
72.5°	985.2	890.2	975.3	1062.5	912.3	885.8	871.5	869.3	701.4	569.9	537.9
75°	825.1	729.0	820.7	853.8	726.8	709.1	708.0	585.4	460.6	439.6	429.7
77.5°	643.9	569.9	657.2	607.5	557.8	537.9	482.7	362.3	346.8	332.5	124.8
80°	434.1	439.6	490.4	418.6	397.6	339.1	267.3	256.2	220.9	88.4	69.6
82.5°	264.0	331.4	312.6	261.8	256.2	184.5	169.0	86.2	64.1	50.8	44.2
85°	137.0	167.9	161.3	142.5	106.0	95.0	53.0	40.9	33.1	25.4	21.0
87.5°	46.4	61.9	59.6	47.5	36.4	28.7	18.8	15.5	11.0	8.8	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	3709.0	3709.0	3706.7	3709.0	3710.1	3707.8	3707.8	3710.1	3711.2	3712.3	3717.8
5°	3714.5	3716.7	3720.0	3726.6	3727.7	3741.0	3746.5	3749.8	3753.1	3754.2	3746.5
7.5°	3726.6	3734.4	3741.0	3739.9	3732.1	3711.2	3704.5	3699.0	3709.0	3734.4	3764.2
10°	3737.7	3702.3	3636.1	3726.6	3699.0	3724.4	3799.5	3816.1	3866.9	3938.7	3959.7
12.5°	3661.5	3758.7	3779.6	3678.0	3865.8	3796.2	3879.0	3951.9	3972.9	4045.8	4001.7
15°	3743.2	3790.7	3822.7	3924.3	3913.3	3972.9	3996.1	3981.8	3985.1	4003.9	4053.6
17.5°	3742.1	3837.1	3858.1	3926.5	3972.9	3974.0	3967.4	3960.8	3978.5	3992.8	3963.0
20°	3806.2	3837.1	3877.9	3905.6	3914.4	3925.4	3946.4	3929.9	3896.7	3864.7	3851.4
22.5°	3774.1	3843.7	3879.0	3883.5	3877.9	3843.7	3812.8	3766.4	3750.9	3734.4	3739.9
25°	3780.7	3812.8	3808.4	3790.7	3767.5	3703.4	3688.0	3668.1	3638.3	3566.5	3501.3
27.5°	3733.3	3716.7	3696.8	3653.7	3611.8	3577.5	3538.9	3474.8	3421.8	3344.5	3315.7
30°	3653.7	3587.5	3538.9	3513.5	3472.6	3415.2	3356.6	3278.2	3210.8	3195.4	3181.0
32.5°	3501.3	3436.1	3396.4	3334.5	3264.9	3196.5	3129.1	3098.2	3083.8	3086.0	3072.8
35°	3345.6	3288.1	3228.5	3135.7	3083.8	3015.3	2991.0	2984.4	2971.1	2956.8	2941.3
37.5°	3179.9	3112.5	3023.1	2967.8	2915.9	2888.3	2876.2	2866.2	2843.0	2817.6	2799.9
40°	3019.7	2898.2	2848.5	2794.4	2779.0	2766.8	2749.1	2724.8	2692.8	2688.4	2680.7
42.5°	2805.5	2718.2	2675.1	2664.1	2645.3	2624.3	2608.9	2582.4	2569.1	2577.9	2584.6
45°	2602.2	2558.1	2543.7	2530.4	2495.1	2465.3	2455.3	2446.5	2457.5	2506.1	2390.2
47.5°	2437.7	2420.0	2402.3	2380.2	2347.1	2325.0	2334.9	2343.8	2353.7	1997.0	1822.4
50°	2295.2	2270.9	2243.3	2219.0	2199.1	2196.9	2248.8	2093.1	1752.9	1744.0	1567.3
52.5°	2139.4	2103.0	2086.4	2072.1	2080.9	2114.0	1749.5	1623.6	1557.4	1353.0	1262.5
55°	1971.6	1939.5	1939.5	1952.8	1905.3	1544.1	1525.3	1318.8	1194.0	1158.6	1144.3
57.5°	1803.7	1800.4	1819.1	1663.4	1401.6	1344.2	1129.9	1084.6	1064.8	1060.3	1037.1
60°	1650.1	1681.1	1407.1	1294.5	1125.5	1015.0	984.1	978.6	957.6	949.9	928.9
62.5°	1527.5	1266.9	1179.6	963.1	906.8	892.4	875.9	868.1	849.4	750.0	219.8
65°	1103.4	1042.7	846.1	809.6	805.2	784.2	777.6	699.2	164.6	110.5	93.9
67.5°	832.8	738.9	713.5	706.9	685.9	643.9	191.1	109.3	93.9	81.7	71.8
70°	639.5	622.9	604.2	588.7	173.4	108.2	93.9	79.5	68.5	60.7	55.2
72.5°	523.5	512.5	298.2	113.8	92.8	78.4	69.6	60.7	53.0	48.6	44.2
75°	409.8	113.8	93.9	78.4	67.4	57.4	50.8	45.3	40.9	37.6	34.2
77.5°	92.8	75.1	64.1	54.1	48.6	43.1	38.7	33.1	29.8	26.5	22.1
80°	57.4	49.7	42.0	38.7	33.1	27.6	24.3	22.1	17.7	16.6	14.4
82.5°	37.6	29.8	26.5	22.1	17.7	16.6	14.4	11.0	9.9	8.8	7.7
85°	16.6	14.4	12.1	9.9	7.7	6.6	5.5	4.4	4.4	4.4	4.4
87.5°	5.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	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: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	3720.0	3739.9	3758.7	3753.1	3733.3	3702.3	3693.5	3681.3	3690.2	3709.0	3716.7
5°	3746.5	3735.5	3775.2	3833.8	3928.8	3937.6	4003.9	4019.3	4072.3	4105.5	4104.4
7.5°	3784.1	3940.9	4006.1	4076.8	4108.8	4101.1	4111.0	4103.3	4091.1	4085.6	4079.0
10°	3975.1	4094.4	4118.7	4118.7	4069.0	4001.7	3972.9	3923.2	3823.8	3826.0	3809.5
12.5°	4086.7	4128.7	4071.2	4022.6	3822.7	3745.4	3661.5	3621.7	3598.5	3563.2	3576.4
15°	4028.2	3968.5	3934.3	3777.4	3654.8	3515.7	3517.9	3493.6	3468.2	3470.4	3453.8
17.5°	3942.0	3894.5	3651.5	3543.3	3483.6	3429.5	3419.6	3387.5	3371.0	3365.5	3364.3
20°	3823.8	3652.6	3471.5	3445.0	3373.2	3311.3	3301.4	3311.3	3362.1	3271.6	2964.5
22.5°	3685.8	3439.5	3386.4	3311.3	3262.7	3238.4	3299.2	3023.1	2605.5	2656.4	2602.2
25°	3451.6	3344.5	3253.9	3196.5	3190.9	3041.8	2534.9	2481.8	2213.4	2069.9	1908.6
27.5°	3280.4	3234.0	3139.0	3129.1	3057.3	2487.4	2223.4	1931.8	1824.7	1808.1	1772.7
30°	3176.6	3110.3	3052.9	2802.1	2439.9	2002.5	1783.8	1742.9	1724.1	1704.3	1673.3
32.5°	3051.8	2988.8	3016.4	2355.9	1945.0	1724.1	1680.0	1650.1	1615.9	1602.6	1491.1
35°	2924.8	2896.0	2357.0	1980.4	1672.2	1619.2	1586.1	1555.2	1237.1	299.3	101.6
37.5°	2788.9	2782.3	2118.5	1643.5	1566.2	1516.5	1422.6	293.8	69.6	47.5	35.3
40°	2682.9	2119.6	1674.4	1540.8	1477.8	1399.4	196.6	48.6	30.9	18.8	12.1
42.5°	2612.2	1906.4	1498.8	1445.8	1308.8	144.7	49.7	21.0	12.1	9.9	7.7
45°	2013.5	1505.5	1400.5	1345.3	165.7	49.7	28.7	9.9	7.7	6.6	4.4
47.5°	1857.8	1367.4	1305.5	293.8	55.2	26.5	19.9	6.6	4.4	4.4	4.4
50°	1407.1	1263.6	1039.3	71.8	35.3	18.8	14.4	4.4	4.4	4.4	3.3
52.5°	1233.7	1166.4	111.6	47.5	27.6	14.4	8.8	3.3	3.3	3.3	3.3
55°	1127.7	740.0	66.3	36.4	23.2	13.3	5.5	3.3	3.3	3.3	2.2
57.5°	1031.6	99.4	48.6	30.9	21.0	12.1	3.3	3.3	3.3	3.3	2.2
60°	874.8	71.8	39.8	27.6	19.9	11.0	3.3	3.3	3.3	3.3	3.3
62.5°	113.8	56.3	34.2	24.3	14.4	8.8	2.2	3.3	3.3	3.3	3.3
65°	82.8	44.2	30.9	16.6	8.8	3.3	2.2	3.3	3.3	3.3	3.3
67.5°	64.1	36.4	23.2	14.4	7.7	2.2	2.2	3.3	3.3	3.3	3.3
70°	50.8	30.9	18.8	12.1	6.6	2.2	2.2	3.3	3.3	3.3	3.3
72.5°	39.8	22.1	13.3	6.6	4.4	2.2	2.2	3.3	3.3	3.3	3.3
75°	29.8	17.7	9.9	5.5	2.2	2.2	2.2	3.3	3.3	3.3	3.3
77.5°	19.9	11.0	7.7	4.4	4.4	4.4	5.5	5.5	3.3	3.3	3.3
80°	13.3	7.7	5.5	5.5	5.5	4.4	5.5	5.5	3.3	5.5	3.3
82.5°	6.6	5.5	5.5	4.4	4.4	3.3	4.4	4.4	4.4	4.4	3.3
85°	4.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4	3.3
87.5°	2.2	2.2	2.2	2.2	3.3	3.3	3.3	3.3	4.4	4.4	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	3706.7	3710.1	3701.2	3748.7	3724.4	3726.6	3736.6	3711.2	3716.7	3699.0	3686.9
5°	4108.8	4115.4	4122.0	4124.3	4128.7	4134.2	4127.6	4124.3	4117.6	4095.5	4072.3
7.5°	4045.8	4038.1	4034.8	4039.2	4046.9	4050.2	4044.7	4052.5	4081.2	4093.3	4101.1
10°	3714.5	3679.1	3703.4	3700.1	3672.5	3765.3	3739.9	3754.2	3764.2	3865.8	3927.6
12.5°	3556.5	3578.6	3536.7	3515.7	3543.3	3562.1	3580.8	3541.1	3596.3	3570.9	3652.6
15°	3424.0	3410.7	3406.3	3407.4	3401.9	3428.4	3435.0	3443.9	3451.6	3485.8	3499.1
17.5°	3364.3	3386.4	3395.3	3401.9	3390.9	3378.7	3366.6	3348.9	3354.4	3345.6	3371.0
20°	2758.0	2684.0	2679.5	2722.6	2675.1	2701.6	2765.7	3194.3	3179.9	3346.7	3290.3
22.5°	2301.8	2232.2	2172.6	2120.7	2194.7	2225.6	2344.9	2479.6	2698.3	2664.1	2901.6
25°	1879.9	1854.5	1839.0	1831.3	1836.8	1834.6	1861.1	1924.1	2023.5	2257.6	2560.3
27.5°	1758.4	1746.2	1740.7	1723.0	1736.3	1731.9	1752.9	1766.1	1795.9	1819.1	1917.4
30°	1662.3	1647.9	1638.0	1619.2	1632.5	1633.6	1640.2	1674.4	1686.6	1706.5	1737.4
32.5°	607.5	357.9	335.8	319.2	349.0	455.1	798.6	1396.1	1592.7	1608.2	1643.5
35°	59.6	49.7	44.2	44.2	45.3	49.7	66.3	174.5	319.2	1233.7	1544.1
37.5°	23.2	19.9	16.6	15.5	16.6	18.8	25.4	33.1	45.3	93.9	418.6
40°	9.9	8.8	7.7	7.7	7.7	7.7	8.8	11.0	16.6	30.9	48.6
42.5°	6.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	7.7	9.9	19.9
45°	4.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.4	5.5	8.8
47.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.4
50°	3.3	3.3	3.3	3.3	2.2	3.3	2.2	3.3	3.3	3.3	3.3
52.5°	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3
55°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
57.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	2.2
65°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	2.2
67.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	3.3	3.3	2.2	3.3	2.2	2.2	3.3	3.3	3.3	2.2	2.2
72.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	6.6	6.6	4.4
75°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.5	6.6	5.5
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.5	5.5	5.5
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4	4.4
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4	4.4
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	3665.9	3664.8	3688.0	3705.6	3699.0	3705.6	3713.4	3714.5	3716.7	3707.8	3704.5
5°	4028.2	3993.9	3927.6	3880.2	3824.9	3724.4	3674.7	3680.2	3681.3	3678.0	3682.4
7.5°	4097.7	4094.4	4071.2	4061.3	4023.7	3951.9	3837.1	3817.2	3768.6	3737.7	3712.3
10°	3923.2	4002.8	4023.7	4059.1	4081.2	4067.9	3970.7	3956.4	3925.4	3890.1	3897.8
12.5°	3734.4	3799.5	3802.8	3995.0	4038.1	4042.5	4005.0	4024.8	4029.3	3949.7	3903.3
15°	3502.4	3533.3	3598.5	3777.4	3907.8	3989.5	4013.8	4024.8	3970.7	3967.4	3948.6
17.5°	3400.8	3420.7	3450.5	3551.0	3748.7	3869.1	3971.8	3964.1	3985.1	3969.6	3922.1
20°	3272.7	3289.2	3342.3	3393.1	3490.3	3650.4	3842.6	3857.0	3884.6	3881.3	3894.5
22.5°	3270.5	3211.9	3220.8	3260.5	3362.1	3505.7	3710.1	3757.6	3775.2	3787.4	3801.7
25°	2594.5	3059.5	3144.5	3170.0	3236.2	3320.2	3560.9	3578.6	3611.8	3665.9	3705.6
27.5°	2247.7	2563.6	2903.8	3080.5	3122.5	3192.0	3335.6	3362.1	3474.8	3488.1	3549.9
30°	1773.8	2017.9	2526.0	2951.3	3020.8	3069.4	3171.1	3224.1	3272.7	3325.7	3390.9
32.5°	1668.9	1707.6	1989.2	2442.1	2983.3	2946.8	3021.9	3054.0	3107.0	3153.4	3200.9
35°	1572.8	1599.3	1659.0	2000.3	2429.9	2846.3	2897.1	2918.1	2947.9	2983.3	3017.5
37.5°	1472.3	1512.1	1552.9	1644.6	2247.7	2766.8	2765.7	2790.0	2807.7	2837.5	2866.2
40°	267.3	1388.4	1454.6	1514.3	1742.9	2206.8	2642.0	2653.0	2665.2	2684.0	2713.8
42.5°	43.1	231.9	1363.0	1420.4	1485.6	1976.0	2585.7	2540.4	2532.6	2545.9	2572.4
45°	22.1	56.3	273.9	1326.5	1385.1	1576.1	2114.0	2462.0	2454.2	2428.8	2434.3
47.5°	16.6	35.3	67.4	458.4	1296.7	1353.0	1950.6	1929.6	2076.5	2358.1	2315.1
50°	14.4	24.3	39.8	93.9	1145.4	1245.9	1502.1	1755.1	1832.4	1842.3	2180.3
52.5°	13.3	16.6	28.7	60.7	240.8	1152.0	1221.6	1310.0	1440.3	1719.7	1713.1
55°	12.1	15.5	24.3	40.9	83.9	1038.2	1110.0	1126.6	1154.2	1287.9	1464.6
57.5°	6.6	14.4	23.2	35.3	63.0	190.0	1007.3	1020.6	1042.7	1048.2	1111.1
60°	3.3	13.3	21.0	30.9	46.4	88.4	905.7	921.2	934.4	936.6	956.5
62.5°	2.2	12.1	17.7	28.7	38.7	63.0	214.3	437.4	831.7	831.7	854.9
65°	2.2	8.8	11.0	18.8	35.3	51.9	90.6	104.9	204.3	502.6	750.0
67.5°	2.2	3.3	9.9	15.5	26.5	39.8	66.3	77.3	92.8	106.0	196.6
70°	2.2	2.2	8.8	9.9	16.6	29.8	47.5	54.1	63.0	71.8	82.8
72.5°	2.2	2.2	7.7	7.7	11.0	19.9	36.4	39.8	45.3	50.8	58.5
75°	5.5	4.4	6.6	6.6	7.7	15.5	27.6	30.9	33.1	37.6	43.1
77.5°	5.5	5.5	5.5	5.5	5.5	9.9	17.7	19.9	23.2	25.4	29.8
80°	4.4	4.4	4.4	5.5	5.5	6.6	11.0	12.1	13.3	16.6	17.7
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	6.6	7.7	9.9
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.4	4.4	4.4	4.4
87.5°	3.3	3.3	3.3	2.2	2.2	3.3	3.3	3.3	3.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	3703.4	3696.8	3691.3	3694.6	3684.7	3680.2	3683.6	3684.7	3686.9	3692.4	3693.5
5°	3693.5	3691.3	3701.2	3706.7	3704.5	3706.7	3706.7	3702.3	3695.7	3700.1	3690.2
7.5°	3686.9	3672.5	3661.5	3663.7	3652.6	3665.9	3678.0	3695.7	3701.2	3701.2	3690.2
10°	3800.6	3785.2	3723.3	3681.3	3653.7	3629.4	3686.9	3628.3	3655.9	3551.0	3671.4
12.5°	3894.5	3915.5	3887.9	3773.0	3753.1	3680.2	3722.2	3650.4	3629.4	3509.0	3547.7
15°	3932.1	3892.3	3883.5	3851.4	3808.4	3787.4	3674.7	3662.6	3628.3	3641.6	3590.8
17.5°	3898.9	3918.8	3892.3	3871.3	3827.1	3777.4	3710.1	3650.4	3602.9	3496.9	3586.4
20°	3866.9	3893.4	3813.9	3827.1	3831.6	3774.1	3738.8	3689.1	3629.4	3530.0	3452.7
22.5°	3813.9	3795.1	3801.7	3781.9	3765.3	3773.0	3724.4	3690.2	3589.7	3544.4	3439.5
25°	3727.7	3721.1	3738.8	3736.6	3696.8	3683.6	3659.3	3622.8	3583.0	3510.1	3424.0
27.5°	3587.5	3621.7	3652.6	3667.0	3646.0	3610.7	3597.4	3576.4	3548.8	3474.8	3410.7
30°	3439.5	3478.1	3513.5	3544.4	3563.2	3547.7	3535.5	3523.4	3481.4	3432.8	3361.0
32.5°	3270.5	3321.3	3369.9	3407.4	3448.3	3460.4	3451.6	3441.7	3406.3	3362.1	3304.7
35°	3075.0	3144.5	3215.2	3282.6	3300.3	3329.0	3357.7	3341.2	3322.4	3278.2	3225.2
37.5°	2909.3	2959.0	3009.8	3094.8	3156.7	3193.1	3244.0	3250.6	3218.6	3197.6	3128.0
40°	2738.1	2783.4	2857.4	2907.1	2992.1	3034.1	3088.2	3112.5	3104.8	3092.6	3031.9
42.5°	2603.3	2625.4	2674.0	2718.2	2802.1	2888.3	2935.8	2962.3	2989.9	2980.0	2949.0
45°	2459.8	2479.6	2496.2	2534.9	2616.6	2692.8	2751.3	2791.1	2840.8	2864.0	2826.4
47.5°	2317.3	2322.8	2342.7	2374.7	2423.3	2481.8	2580.1	2639.8	2686.2	2731.5	2707.2
50°	2207.9	2188.0	2191.4	2211.2	2251.0	2308.4	2379.1	2463.1	2516.1	2571.3	2576.8
52.5°	1929.6	2090.8	2052.2	2063.2	2084.2	2111.8	2185.8	2268.7	2333.8	2381.3	2428.8
55°	1619.2	1651.2	1961.6	1917.4	1930.7	1955.0	1989.2	2072.1	2135.0	2201.3	2267.6
57.5°	1255.8	1494.4	1506.6	1793.7	1787.1	1789.3	1818.0	1865.5	1928.5	2011.3	2067.6
60°	976.4	1076.9	1272.4	1371.8	1623.6	1632.5	1649.0	1676.7	1730.8	1809.2	1898.7
62.5°	861.5	874.8	944.4	1093.5	1256.9	1454.6	1490.0	1494.4	1518.7	1597.1	1700.9
65°	756.6	765.4	786.4	801.9	938.8	1129.9	1300.0	1327.6	1343.1	1389.5	1477.8
67.5°	521.3	659.4	678.2	689.2	702.5	790.8	1001.8	1142.1	1159.7	1200.6	1277.9
70°	100.5	208.8	571.0	583.2	589.8	609.7	643.9	867.0	984.1	1022.8	1058.1
72.5°	68.5	80.6	97.2	229.7	486.0	497.0	504.8	533.5	731.2	843.8	862.6
75°	49.7	55.2	65.2	80.6	99.4	323.6	400.9	415.3	429.7	593.1	688.1
77.5°	35.3	39.8	44.2	51.9	60.7	78.4	112.7	310.4	324.7	332.5	469.4
80°	19.9	24.3	29.8	34.2	38.7	44.2	57.4	71.8	160.2	234.2	246.3
82.5°	11.0	13.3	15.5	18.8	21.0	26.5	32.0	38.7	50.8	75.1	159.0
85°	5.5	5.5	5.5	7.7	8.8	12.1	14.4	16.6	23.2	32.0	44.2
87.5°	3.3	3.3	4.4	4.4	4.4	5.5	5.5	5.5	6.6	9.9	14.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-62SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	356°	357°	358°	359°	360°
0°	3680.2	3680.2	3680.2	3680.2	3680.2
2.5°	3694.6	3691.3	3691.3	3704.5	3701.2
5°	3688.0	3684.7	3683.6	3697.9	3691.3
7.5°	3682.4	3670.3	3667.0	3680.2	3674.7
10°	3660.4	3651.5	3657.0	3652.6	3650.4
12.5°	3622.8	3617.3	3594.1	3596.3	3615.1
15°	3555.4	3577.5	3537.8	3573.1	3580.8
17.5°	3431.7	3481.4	3520.1	3541.1	3544.4
20°	3486.9	3503.5	3483.6	3484.7	3498.0
22.5°	3415.2	3422.9	3428.4	3421.8	3450.5
25°	3300.3	3270.5	3334.5	3347.8	3394.2
27.5°	3264.9	3240.6	3270.5	3268.3	3306.9
30°	3236.2	3157.8	3171.1	3192.0	3239.5
32.5°	3195.4	3071.7	3058.4	3104.8	3157.8
35°	3123.6	3006.5	2975.6	3005.4	3084.9
37.5°	3062.8	2915.9	2854.1	2893.8	2997.6
40°	2972.2	2845.2	2749.1	2784.5	2907.1
42.5°	2864.0	2784.5	2636.5	2660.8	2801.0
45°	2754.7	2684.0	2527.1	2539.3	2706.1
47.5°	2643.1	2577.9	2413.4	2415.6	2584.6
50°	2533.8	2447.6	2311.7	2273.1	2455.3
52.5°	2391.3	2311.7	2209.0	2146.1	2332.7
55°	2256.5	2167.1	2091.9	1994.8	2193.6
57.5°	2125.1	2025.7	1974.9	1850.1	2035.6
60°	1945.0	1897.6	1822.4	1703.2	1893.1
62.5°	1760.6	1745.1	1668.9	1545.2	1717.5
65°	1545.2	1581.7	1503.2	1397.2	1535.3
67.5°	1342.0	1407.1	1321.0	1255.8	1359.7
70°	1125.5	1200.6	1152.0	1128.8	1173.0
72.5°	912.3	985.2	989.6	973.1	987.4
75°	704.7	785.3	829.5	804.1	807.4
77.5°	534.6	573.2	621.8	641.7	637.3
80°	330.2	397.6	437.4	478.3	463.9
82.5°	166.8	223.1	271.7	315.9	294.9
85°	69.6	89.5	124.8	164.6	157.9
87.5°	21.0	35.3	37.6	53.0	49.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)