

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-LD5-70SL-RM-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-70SL-RM-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

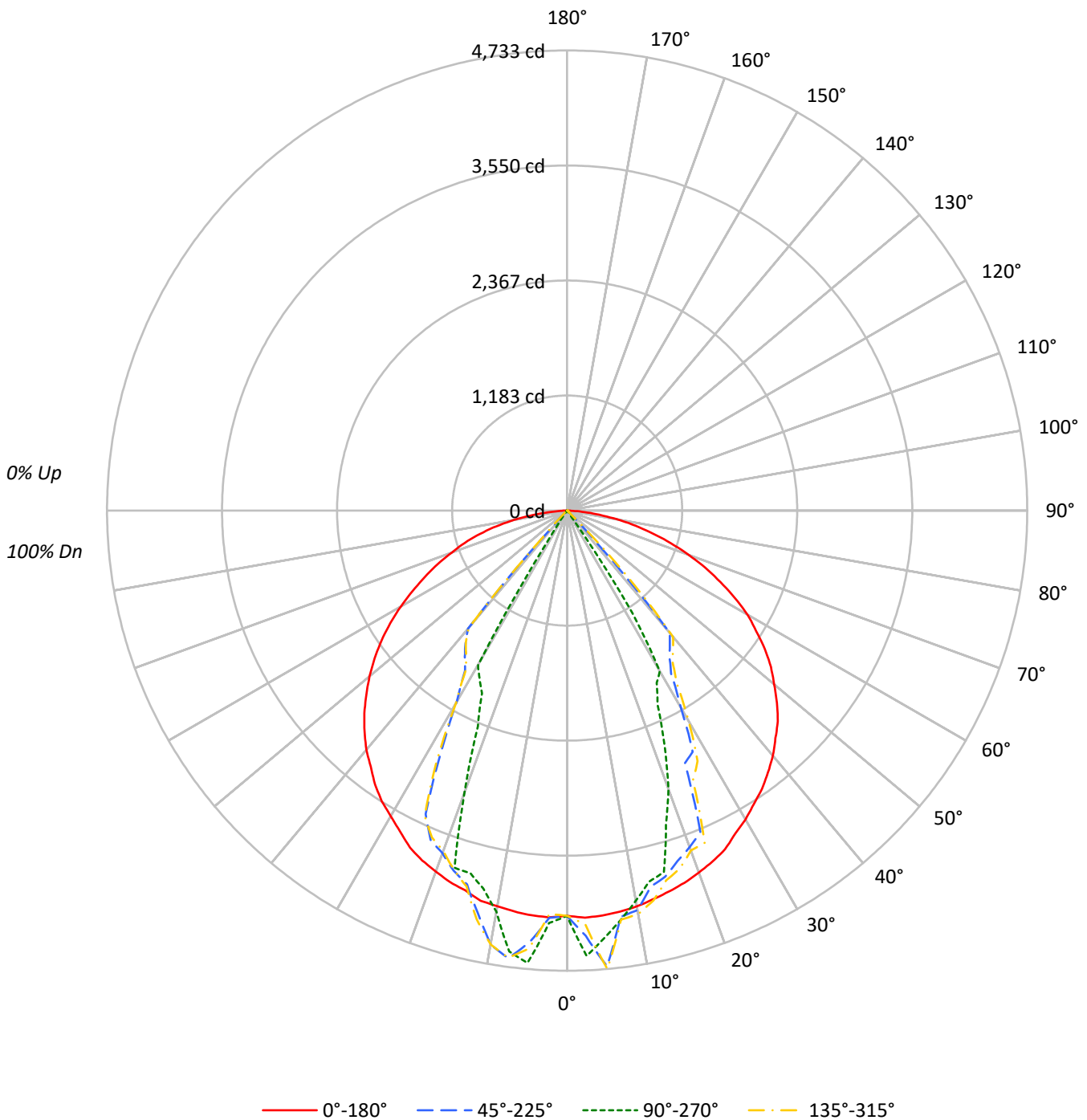
Lumens per Lamp: N/A
Luminaire Lumens: 5926.1 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 50
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



TEST NUMBER: P#
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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°	16839	16839	16839	16839
5°	16931	17319	16926	18341
10°	16914	15672	16903	16124
15°	16892	14628	16850	14666
20°	16936	11522	16888	11664
25°	17012	8338	16929	7868
30°	16963	7314	16784	7031
35°	17045	161	16795	195
40°	17139	35	16729	35
45°	17241	21	16593	16
50°	17158	17	16371	17
55°	17117	11	16066	11
60°	16868	12	15549	12
65°	16083	20	14938	13
70°	15046	22	14323	22
75°	13487	25	13708	25
80°	11228	28	11869	28
85°	7037	33	7183	33



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.1	7.1
10°-20°	1140.5	19.2
20°-30°	1451.3	24.5
30°-40°	1225.9	20.7
40°-50°	801.5	13.5
50°-60°	505.0	8.5
60°-70°	268.8	4.5
70°-80°	98.0	1.7
80°-90°	16.9	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°	3009.9	50.8
0°-40°	4235.8	71.5
0°-60°	5542.3	93.5
0°-90°	5926.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5926.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4168	4168	4168	4168	4168	
5°	4180	4410	4179	4670	4180	397
15°	4055	3849	4045	3859	4055	1146
25°	3844	2198	3825	2074	3844	1768
35°	3493	41	3442	50	3493	2185
45°	3064	5	2949	4	3064	2357
55°	2484	2	2332	2	2484	2213
65°	1739	4	1615	2	1739	1722
75°	914	4	929	4	914	970
85°	179	4	183	4	179	226
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-70SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4191.4	4193.9	4195.1	4197.6	4201.4	4202.6	4205.1	4202.6	4202.6	4202.6	4202.6
5°	4180.1	4185.1	4188.9	4193.9	4202.6	4203.9	4213.9	4215.1	4220.1	4230.1	4237.7
7.5°	4161.4	4166.4	4173.9	4186.4	4198.9	4212.6	4230.1	4248.9	4275.2	4300.2	4331.5
10°	4133.8	4140.1	4148.8	4160.1	4221.4	4230.1	4268.9	4322.7	4337.7	4416.5	4475.3
12.5°	4093.8	4115.1	4137.6	4147.6	4206.4	4298.9	4429.0	4402.8	4374.0	4631.6	4627.9
15°	4055.0	4083.8	4072.5	4153.8	4207.6	4369.0	4313.9	4431.5	4646.7	4594.1	4596.6
17.5°	4013.8	4020.0	4082.6	4150.1	4246.4	4329.0	4396.5	4557.9	4600.4	4604.1	4557.9
20°	3961.2	3991.2	4082.6	4143.8	4306.4	4345.2	4491.6	4574.1	4556.6	4514.1	4435.3
22.5°	3907.4	3998.8	4091.3	4177.6	4291.4	4395.2	4467.8	4506.6	4415.3	4247.7	4157.6
25°	3843.7	3897.4	4018.8	4145.1	4287.7	4347.7	4390.2	4327.7	4208.9	4058.8	3907.4
27.5°	3744.8	3831.1	3986.2	4128.8	4257.7	4330.2	4261.4	4111.3	3920.0	3821.1	3752.3
30°	3668.5	3781.1	3908.7	4046.3	4180.1	4222.6	4047.5	3876.2	3744.8	3646.0	3631.0
32.5°	3576.0	3736.1	3857.4	3988.7	4101.3	4045.0	3874.9	3653.5	3544.7	3507.2	3522.2
35°	3493.4	3614.8	3773.6	3902.4	3983.7	3857.4	3588.5	3450.9	3398.4	3419.6	3392.1
37.5°	3394.6	3554.7	3701.1	3812.4	3784.9	3594.7	3367.1	3279.6	3285.8	3268.3	3215.8
40°	3292.1	3444.7	3597.2	3702.3	3606.0	3315.8	3164.5	3145.7	3149.5	3093.2	3018.1
42.5°	3172.0	3310.8	3463.4	3558.5	3350.8	3124.5	3021.9	3024.4	2991.9	2913.1	2873.0
45°	3064.4	3192.0	3350.8	3359.6	3104.4	2915.6	2885.6	2853.0	2780.5	2754.2	2724.2
47.5°	2926.8	3068.2	3199.5	3152.0	2863.0	2745.5	2723.0	2651.7	2615.4	2595.4	2570.4
50°	2780.5	2923.1	3043.2	2908.1	2635.4	2607.9	2534.1	2477.8	2452.8	2431.5	2409.0
52.5°	2641.7	2759.2	2881.8	2649.2	2460.3	2434.0	2350.2	2317.7	2292.7	2268.9	2263.9
55°	2484.1	2587.9	2671.7	2402.8	2292.7	2231.4	2171.4	2148.8	2125.1	2113.8	2132.6
57.5°	2305.2	2422.8	2410.3	2160.1	2111.3	2022.5	2000.0	1985.0	1967.5	1975.0	1818.6
60°	2143.8	2233.9	2172.6	1982.5	1899.9	1839.9	1819.9	1809.9	1819.9	1667.3	1465.9
62.5°	1945.0	2046.3	1922.5	1774.9	1687.3	1658.5	1641.0	1654.8	1508.4	1340.8	1292.1
65°	1738.6	1848.7	1666.0	1552.2	1497.2	1472.2	1470.9	1354.6	1210.8	1145.7	1145.7
67.5°	1539.7	1653.5	1418.4	1323.3	1302.1	1304.6	1232.0	1055.7	1015.6	971.9	845.5
70°	1328.3	1428.4	1172.0	1114.4	1101.9	1093.2	916.8	869.3	821.8	705.4	695.4
72.5°	1118.2	1167.0	941.8	928.1	925.6	769.2	734.2	652.9	597.9	584.1	577.9
75°	914.3	899.3	744.2	756.7	637.9	582.9	526.6	479.0	471.5	466.5	116.3
77.5°	721.7	646.7	586.6	510.3	456.5	387.7	376.5	369.0	242.7	87.6	71.3
80°	525.3	419.0	390.2	331.5	282.7	271.4	277.7	85.1	67.5	56.3	48.8
82.5°	334.0	267.7	218.9	191.4	186.4	81.3	60.0	48.8	42.5	36.3	30.0
85°	178.9	118.8	110.1	92.6	55.0	37.5	31.3	23.8	20.0	16.3	15.0
87.5°	56.3	47.5	38.8	31.3	18.8	12.5	10.0	8.8	7.5	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: 8SNLED-LD5-70SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4200.1	4202.6	4201.4	4205.1	4205.1	4210.1	4213.9	4217.6	4225.1	4228.9	4257.7
5°	4253.9	4260.2	4278.9	4296.4	4317.7	4324.0	4360.2	4369.0	4411.5	4416.5	4556.6
7.5°	4374.0	4397.8	4442.8	4487.8	4532.8	4561.6	4611.6	4642.9	4676.7	4706.7	4818.0
10°	4519.1	4559.1	4602.9	4647.9	4674.2	4729.2	4759.2	4764.2	4755.5	4706.7	4526.6
12.5°	4661.7	4701.7	4682.9	4691.7	4723.0	4625.4	4639.2	4569.1	4617.9	4376.5	4197.6
15°	4641.7	4639.2	4592.9	4442.8	4467.8	4281.4	4206.4	4148.8	4195.1	4170.1	4142.6
17.5°	4581.6	4467.8	4387.7	4207.6	4131.3	4078.8	4080.1	4081.3	4058.8	4082.6	4012.5
20°	4327.7	4200.1	4081.3	4017.5	3995.0	3957.5	3976.2	3957.5	3958.7	3966.2	3858.7
22.5°	3990.0	3951.2	3882.4	3902.4	3894.9	3928.7	3903.7	3864.9	3877.4	3821.1	3739.8
25°	3853.7	3808.6	3806.1	3813.6	3802.4	3787.4	3764.9	3706.1	3702.3	3684.8	3647.3
27.5°	3716.1	3718.6	3726.1	3703.6	3663.5	3633.5	3599.8	3571.0	3582.2	3562.2	3510.9
30°	3621.0	3619.8	3574.7	3554.7	3480.9	3482.2	3473.4	3455.9	3444.7	3445.9	3413.4
32.5°	3485.9	3447.2	3395.9	3370.9	3364.6	3342.1	3324.6	3328.3	3337.1	3305.8	3339.6
35°	3347.1	3267.0	3259.5	3238.3	3218.3	3203.3	3209.5	3184.5	3183.2	3179.5	2904.3
37.5°	3160.7	3122.0	3118.2	3095.7	3081.9	3078.2	3054.4	3058.2	3069.4	3089.4	2476.5
40°	3006.9	2971.9	2963.1	2961.9	2931.8	2929.3	2935.6	2959.4	2975.6	2850.5	2360.2
42.5°	2841.8	2844.3	2816.8	2799.3	2803.0	2814.3	2844.3	2761.7	2392.7	2280.2	2157.6
45°	2700.4	2687.9	2672.9	2667.9	2700.4	2677.9	2347.7	2166.4	2122.6	2117.6	1773.6
47.5°	2552.8	2549.1	2542.8	2546.6	2361.5	2105.1	2030.0	2006.3	2013.8	2008.8	1523.5
50°	2404.0	2409.0	2409.0	2103.8	1931.2	1888.7	1894.9	1916.2	1783.6	1664.8	1419.6
52.5°	2275.2	2236.4	1916.2	1806.1	1767.4	1786.1	1741.1	1574.7	1454.7	1384.6	1313.3
55°	2036.3	1751.1	1679.8	1662.3	1676.0	1509.7	1407.1	1299.6	1268.3	1260.8	1219.5
57.5°	1602.3	1544.7	1551.0	1480.9	1322.1	1228.3	1187.0	1172.0	1158.2	1148.2	100.1
60°	1417.1	1433.4	1312.1	1162.0	1098.2	1085.7	1075.7	1061.9	1059.4	1041.9	63.8
62.5°	1297.1	1140.7	1035.6	998.1	983.1	979.4	960.6	954.3	810.5	111.3	47.5
65°	978.1	914.3	894.3	885.6	869.3	869.3	721.7	113.8	92.6	80.1	42.5
67.5°	798.0	793.0	783.0	771.7	525.3	110.1	96.3	83.8	72.5	63.8	37.5
70°	675.4	672.9	612.9	112.6	93.8	82.6	72.5	65.0	60.0	53.8	33.8
72.5°	554.1	112.6	95.1	82.6	71.3	65.0	58.8	52.5	47.5	43.8	27.5
75°	86.3	76.3	67.5	61.3	56.3	50.0	45.0	41.3	40.0	35.0	18.8
77.5°	62.5	53.8	48.8	43.8	38.8	35.0	30.0	26.3	23.8	20.0	13.8
80°	43.8	38.8	35.0	28.8	25.0	21.3	18.8	16.3	15.0	12.5	6.3
82.5°	25.0	21.3	18.8	15.0	13.8	11.3	10.0	8.8	8.8	6.3	6.3
85°	11.3	11.3	8.8	7.5	6.3	6.3	6.3	5.0	5.0	3.8	3.8
87.5°	5.0	5.0	5.0	5.0	5.0	3.8	3.8	3.8	3.8	3.8	2.5
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°	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4297.7	4313.9	4345.2	4377.7	4341.5	4471.5	4461.5	4505.3	4529.1	4540.3	4566.6
5°	4680.4	4753.0	4776.7	4705.4	4664.2	4621.6	4525.3	4452.8	4461.5	4437.8	4351.5
7.5°	4672.9	4517.8	4308.9	4213.9	4206.4	4195.1	4225.1	4242.7	4245.2	4243.9	4241.4
10°	4277.7	4197.6	4183.9	4171.4	4176.4	4130.1	4108.8	4048.8	4081.3	4063.8	4070.0
12.5°	4157.6	4138.8	4065.0	3962.5	4023.8	3977.5	3951.2	3968.7	3948.7	3930.0	3923.7
15°	4086.3	3965.0	3923.7	3898.7	3881.2	3871.2	3879.9	3859.9	3853.7	3849.9	3858.7
17.5°	3938.7	3889.9	3844.9	3778.6	3779.9	3776.1	3801.1	3838.7	3841.2	3648.5	3474.7
20°	3822.4	3782.4	3724.8	3683.6	3739.8	3639.8	3253.3	3069.4	3040.7	3040.7	3045.7
22.5°	3729.8	3641.0	3644.8	3579.7	3053.2	2945.6	2948.1	2959.4	2908.1	2733.0	2714.2
25°	3603.5	3589.7	3315.8	2865.5	2869.3	2785.5	2656.7	2475.3	2278.9	2278.9	2246.4
27.5°	3508.4	3217.0	2816.8	2798.0	2516.6	2339.0	2228.9	2062.5	2040.0	2018.8	2021.3
30°	3427.1	2721.7	2731.7	2339.0	2131.3	1983.7	1975.0	1947.5	1933.7	1930.0	1916.2
32.5°	2709.2	2650.4	2286.4	1991.2	1909.9	1886.2	1874.9	1843.7	1842.4	1818.6	1653.5
35°	2540.3	2326.5	1913.7	1833.6	1809.9	1787.4	1768.6	1187.0	140.1	56.3	48.8
37.5°	2347.7	1943.7	1769.9	1733.6	1711.1	1264.5	126.3	43.8	31.3	22.5	20.0
40°	1990.0	1736.1	1681.1	1641.0	676.7	43.8	27.5	21.3	12.5	11.3	10.0
42.5°	1678.5	1636.0	1577.2	480.3	50.0	21.3	13.8	10.0	8.8	8.8	7.5
45°	1571.0	1533.5	635.4	47.5	31.3	10.0	8.8	8.8	7.5	5.0	5.0
47.5°	1470.9	1294.6	57.5	30.0	20.0	8.8	7.5	5.0	5.0	5.0	3.8
50°	1364.6	71.3	40.0	22.5	12.5	5.0	5.0	5.0	5.0	3.8	3.8
52.5°	255.2	50.0	32.5	20.0	6.3	5.0	5.0	5.0	3.8	3.8	3.8
55°	60.0	40.0	30.0	17.5	5.0	5.0	5.0	3.8	3.8	3.8	2.5
57.5°	45.0	30.0	23.8	16.3	5.0	3.8	3.8	3.8	3.8	3.8	2.5
60°	37.5	21.3	18.8	15.0	3.8	3.8	3.8	3.8	3.8	3.8	2.5
62.5°	26.3	17.5	13.8	11.3	3.8	3.8	3.8	3.8	3.8	3.8	3.8
65°	21.3	13.8	11.3	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
67.5°	18.8	11.3	7.5	2.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8
70°	15.0	3.8	3.8	2.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8
72.5°	12.5	3.8	2.5	2.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8
75°	12.5	6.3	2.5	2.5	3.8	3.8	5.0	5.0	3.8	3.8	3.8
77.5°	8.8	6.3	2.5	2.5	3.8	3.8	5.0	5.0	3.8	3.8	3.8
80°	5.0	6.3	2.5	3.8	3.8	7.5	8.8	5.0	3.8	3.8	3.8
82.5°	5.0	6.3	7.5	7.5	3.8	6.3	7.5	6.3	5.0	3.8	3.8
85°	5.0	3.8	5.0	6.3	3.8	6.3	6.3	5.0	5.0	3.8	3.8
87.5°	2.5	3.8	3.8	5.0	5.0	5.0	6.3	5.0	5.0	5.0	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-70SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4579.1	4584.1	4505.3	4477.8	4501.6	4496.6	4475.3	4396.5	4387.7	4335.2	4258.9
5°	4376.5	4410.3	4369.0	4440.3	4406.5	4440.3	4542.8	4590.4	4667.9	4715.4	4733.0
7.5°	4235.1	4242.7	4242.7	4248.9	4255.2	4256.4	4248.9	4243.9	4222.6	4196.4	4243.9
10°	4063.8	4072.5	4087.6	4085.1	4083.8	4110.1	4116.3	4170.1	4167.6	4177.6	4213.9
12.5°	3975.0	3907.4	3968.7	3952.5	3975.0	3940.0	4005.0	3993.7	3997.5	4027.5	4105.1
15°	3827.4	3848.7	3863.7	3863.7	3872.4	3864.9	3857.4	3908.7	3940.0	3941.2	3936.2
17.5°	3543.5	3382.1	3547.2	3504.7	3843.7	3852.4	3823.6	3799.9	3799.9	3818.6	3858.7
20°	3041.9	3045.7	3046.9	3063.2	3083.2	3081.9	3083.2	3576.0	3809.9	3756.1	3719.8
22.5°	2666.7	2620.4	2706.7	2700.4	2808.0	2926.8	3040.7	3029.4	3036.9	3384.6	3697.3
25°	2137.6	2197.6	2148.8	2170.1	2291.4	2432.8	2520.3	2749.2	2998.1	2980.6	3061.9
27.5°	2012.5	1996.2	2018.8	2018.8	2035.0	2053.8	2102.6	2231.4	2452.8	2685.4	2905.6
30°	1893.7	1907.4	1909.9	1932.5	1945.0	1957.5	1965.0	2013.8	2063.8	2225.1	2496.6
32.5°	1422.1	1247.0	1641.0	1747.3	1837.4	1858.7	1873.7	1893.7	1930.0	1953.7	2090.1
35°	41.3	41.3	43.8	50.0	63.8	430.3	1638.5	1806.1	1829.9	1859.9	1884.9
37.5°	20.0	15.0	17.5	18.8	22.5	31.3	45.0	140.1	1559.7	1763.6	1791.1
40°	8.8	8.8	8.8	8.8	10.0	12.5	18.8	31.3	47.5	1254.5	1692.3
42.5°	7.5	7.5	7.5	7.5	7.5	7.5	8.8	11.3	22.5	53.8	888.1
45°	5.0	5.0	3.8	5.0	5.0	6.3	7.5	7.5	10.0	33.8	61.3
47.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	6.3	7.5	22.5	32.5
50°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	17.5	22.5
52.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.5	20.0
55°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.8	3.8	5.0	17.5
57.5°	2.5	2.5	2.5	2.5	2.5	3.8	2.5	2.5	3.8	3.8	16.3
60°	2.5	2.5	2.5	2.5	2.5	3.8	3.8	3.8	3.8	3.8	15.0
62.5°	3.8	3.8	2.5	3.8	2.5	2.5	3.8	3.8	3.8	3.8	10.0
65°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	2.5	3.8
67.5°	3.8	3.8	3.8	3.8	2.5	3.8	2.5	3.8	3.8	2.5	2.5
70°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	2.5	2.5	2.5	2.5
72.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	2.5	2.5	2.5	2.5
75°	3.8	3.8	3.8	3.8	3.8	3.8	5.0	5.0	2.5	2.5	2.5
77.5°	3.8	3.8	3.8	3.8	3.8	3.8	6.3	7.5	6.3	6.3	2.5
80°	3.8	3.8	3.8	3.8	3.8	3.8	6.3	6.3	6.3	6.3	8.8
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	5.0	5.0	5.0	5.0	6.3
85°	3.8	3.8	3.8	3.8	3.8	3.8	5.0	5.0	5.0	3.8	5.0
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.0	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-70SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4265.2	4222.6	4208.9	4180.1	4177.6	4180.1	4173.9	4165.1	4170.1	4161.4	4153.8
5°	4743.0	4629.1	4555.3	4456.5	4320.2	4290.2	4282.7	4240.2	4225.1	4220.1	4200.1
7.5°	4356.5	4564.1	4689.2	4731.7	4571.6	4534.1	4490.3	4455.3	4421.5	4357.7	4319.0
10°	4185.1	4195.1	4315.2	4455.3	4682.9	4714.2	4738.0	4661.7	4640.4	4477.8	4442.8
12.5°	4145.1	4146.3	4160.1	4245.2	4424.0	4444.0	4527.8	4572.9	4627.9	4659.2	4634.1
15°	3962.5	4063.8	4138.8	4146.3	4162.6	4197.6	4222.6	4379.0	4445.3	4622.9	4612.9
17.5°	3877.4	3909.9	4018.8	4107.6	4092.6	4080.1	4100.1	4121.3	4185.1	4362.7	4360.2
20°	3736.1	3839.9	3898.7	3991.2	4075.0	4078.8	4056.3	4043.8	4018.8	4047.5	4073.8
22.5°	3676.0	3692.3	3802.4	3867.4	3962.5	3996.2	4001.3	4002.5	3988.7	3973.7	3966.2
25°	3669.8	3618.5	3674.8	3756.1	3826.1	3862.4	3903.7	3917.5	3912.4	3912.4	3904.9
27.5°	3003.1	3602.3	3572.2	3626.0	3711.1	3736.1	3757.3	3799.9	3826.1	3844.9	3853.7
30°	2860.5	2968.1	3492.2	3499.7	3586.0	3583.5	3607.3	3642.3	3676.0	3719.8	3731.1
32.5°	2530.3	2794.2	3197.0	3373.4	3463.4	3472.2	3484.7	3494.7	3526.0	3574.7	3617.3
35°	2027.5	2545.3	2739.2	3313.3	3329.6	3347.1	3354.6	3378.4	3388.4	3408.4	3445.9
37.5°	1834.9	2103.8	2627.9	2865.5	3175.7	3190.7	3230.8	3240.8	3257.0	3273.3	3302.1
40°	1723.6	1797.4	2187.6	2559.1	3051.9	3061.9	3075.7	3100.7	3101.9	3120.7	3147.0
42.5°	1634.8	1682.3	1796.1	2444.0	2964.4	2963.1	2930.6	2946.8	2954.3	2974.4	3010.6
45°	1305.8	1578.5	1651.0	1996.2	2360.2	2530.3	2856.8	2803.0	2801.8	2809.3	2848.0
47.5°	66.3	1484.7	1536.0	1647.3	2228.9	2235.1	2277.7	2635.4	2690.4	2672.9	2676.7
50°	45.0	102.6	1430.9	1482.2	1921.2	2076.3	2107.6	2123.8	2330.2	2560.4	2522.8
52.5°	35.0	58.8	876.8	1375.9	1561.0	1674.8	1876.2	1991.2	2003.8	2096.3	2410.3
55°	31.3	45.0	95.1	1269.5	1327.1	1352.1	1469.7	1671.0	1833.6	1882.4	1886.2
57.5°	27.5	41.3	65.0	574.1	1207.0	1212.0	1232.0	1302.1	1448.4	1582.2	1733.6
60°	25.0	36.3	51.3	98.8	1096.9	1109.4	1113.2	1132.0	1149.5	1240.8	1414.6
62.5°	15.0	28.8	45.0	71.3	868.0	996.9	995.6	1008.1	1024.4	1034.4	1069.4
65°	12.5	22.5	38.8	60.0	106.3	132.6	805.5	895.6	905.6	919.3	925.6
67.5°	11.3	20.0	28.8	47.5	80.1	91.3	105.1	130.1	710.4	800.5	813.0
70°	10.0	13.8	23.8	40.0	65.0	70.0	78.8	90.1	106.3	131.3	642.9
72.5°	6.3	10.0	16.3	28.8	50.0	56.3	61.3	68.8	76.3	91.3	105.1
75°	2.5	7.5	13.8	21.3	38.8	42.5	46.3	51.3	57.5	67.5	75.0
77.5°	2.5	6.3	11.3	15.0	25.0	28.8	33.8	37.5	42.5	47.5	55.0
80°	8.8	5.0	7.5	11.3	17.5	18.8	21.3	23.8	27.5	31.3	36.3
82.5°	6.3	7.5	8.8	7.5	8.8	11.3	12.5	15.0	16.3	18.8	20.0
85°	5.0	5.0	6.3	6.3	6.3	6.3	6.3	6.3	7.5	8.8	11.3
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.0	5.0
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-LD5-70SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4153.8	4151.3	4143.8	4143.8	4142.6	4147.6	4151.3	4155.1	4153.8	4161.4	4153.8
5°	4185.1	4178.9	4167.6	4157.6	4153.8	4156.3	4152.6	4156.3	4151.3	4157.6	4146.3
7.5°	4271.4	4250.2	4206.4	4188.9	4166.4	4165.1	4153.8	4151.3	4143.8	4143.8	4130.1
10°	4424.0	4321.5	4308.9	4256.4	4237.7	4146.3	4166.4	4132.6	4128.8	4112.6	4106.3
12.5°	4549.1	4469.0	4445.3	4399.0	4346.5	4161.4	4202.6	4130.1	4126.3	4093.8	4060.0
15°	4551.6	4597.9	4532.8	4405.3	4394.0	4266.4	4182.6	4157.6	4125.1	4027.5	4043.8
17.5°	4405.3	4511.6	4542.8	4515.3	4435.3	4349.0	4231.4	4181.4	4083.8	4040.0	4010.0
20°	4167.6	4275.2	4409.0	4417.8	4467.8	4406.5	4252.7	4171.4	4053.8	3977.5	3952.5
22.5°	3978.7	4057.5	4211.4	4282.7	4344.0	4365.2	4267.7	4147.6	4001.3	3927.5	3912.4
25°	3878.7	3896.2	3942.5	4026.3	4161.4	4258.9	4272.7	4145.1	4068.8	3907.4	3822.4
27.5°	3842.4	3827.4	3808.6	3851.2	3952.5	4071.3	4150.1	4171.4	3981.2	3827.4	3742.3
30°	3749.8	3758.6	3729.8	3714.8	3781.1	3903.7	4043.8	4078.8	3932.5	3773.6	3676.0
32.5°	3636.0	3651.0	3656.0	3629.8	3616.0	3701.1	3852.4	3936.2	3928.7	3697.3	3588.5
35°	3493.4	3536.0	3547.2	3548.5	3526.0	3512.2	3599.8	3773.6	3839.9	3662.3	3504.7
37.5°	3343.3	3355.8	3417.1	3433.4	3433.4	3392.1	3457.2	3596.0	3688.6	3583.5	3402.1
40°	3155.7	3195.7	3253.3	3282.1	3310.8	3314.6	3278.3	3375.9	3528.5	3502.2	3305.8
42.5°	3019.4	3045.7	3080.7	3119.5	3178.2	3193.2	3155.7	3173.2	3332.1	3400.9	3180.7
45°	2860.5	2895.6	2905.6	2948.1	3009.4	3053.2	3051.9	3015.6	3143.2	3228.3	3089.4
47.5°	2697.9	2731.7	2749.2	2770.5	2815.5	2871.8	2903.1	2886.8	2911.8	3078.2	2968.1
50°	2530.3	2549.1	2584.1	2607.9	2637.9	2670.4	2745.5	2760.5	2725.5	2858.0	2834.3
52.5°	2371.5	2377.7	2401.5	2425.3	2465.3	2489.1	2549.1	2594.1	2591.6	2630.4	2685.4
55°	2247.7	2220.1	2225.1	2243.9	2270.2	2306.4	2340.2	2410.3	2434.0	2441.5	2529.1
57.5°	1756.1	2038.8	2063.8	2062.5	2093.8	2110.1	2141.3	2187.6	2272.7	2253.9	2351.5
60°	1596.0	1627.3	1863.7	1891.2	1902.4	1917.4	1955.0	1997.5	2060.0	2100.1	2142.6
62.5°	1217.0	1407.1	1478.4	1687.3	1719.8	1728.6	1753.6	1773.6	1838.6	1930.0	1912.4
65°	941.8	1023.1	1240.8	1325.8	1503.4	1526.0	1561.0	1582.2	1601.0	1706.1	1711.1
67.5°	814.3	826.8	885.6	1049.4	1162.0	1335.8	1357.1	1375.9	1404.6	1479.7	1526.0
70°	695.4	710.4	726.7	740.5	886.8	1001.9	1163.2	1169.5	1188.2	1238.3	1343.3
72.5°	131.3	594.1	604.1	612.9	629.1	705.4	859.3	984.4	991.9	1015.6	1111.9
75°	88.8	103.8	142.6	490.3	506.6	511.6	537.8	694.2	809.3	814.3	856.8
77.5°	63.8	71.3	86.3	102.6	261.4	392.7	399.0	427.8	546.6	632.9	640.4
80°	43.8	48.8	57.5	65.0	80.1	105.1	290.2	298.9	313.9	432.8	455.3
82.5°	25.0	28.8	33.8	41.3	47.5	60.0	77.5	100.1	203.9	217.6	288.9
85°	12.5	13.8	16.3	20.0	23.8	28.8	38.8	47.5	65.0	117.6	121.3
87.5°	6.3	6.3	6.3	6.3	10.0	11.3	13.8	17.5	22.5	33.8	43.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-70SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4155.1	4172.6	4187.6	4191.4	4191.4	4193.9	4197.6	4200.1	4202.6	4205.1	4202.6
5°	4147.6	4166.4	4178.9	4182.6	4182.6	4190.1	4196.4	4203.9	4207.6	4207.6	4205.1
7.5°	4128.8	4142.6	4158.9	4168.9	4170.1	4182.6	4193.9	4192.6	4197.6	4200.1	4206.4
10°	4103.8	4103.8	4131.3	4138.8	4145.1	4158.9	4162.6	4170.1	4187.6	4190.1	4206.4
12.5°	4091.3	4078.8	4111.3	4115.1	4136.3	4118.8	4141.3	4148.8	4131.3	4155.1	4123.8
15°	4035.0	4050.0	4045.0	4056.3	4093.8	4073.8	4135.1	4115.1	4160.1	4106.3	4201.4
17.5°	3988.7	3986.2	4006.3	4016.3	4023.8	4066.3	4082.6	4105.1	4122.6	4107.6	4145.1
20°	3955.0	3935.0	3950.0	3961.2	3987.5	4020.0	4030.0	3996.2	4055.0	4155.1	4178.9
22.5°	3891.2	3877.4	3894.9	3894.9	3935.0	3930.0	3967.5	3946.2	4001.3	4117.6	4238.9
25°	3804.9	3806.1	3824.9	3847.4	3854.9	3911.2	3931.2	3958.7	4027.5	4166.4	4240.2
27.5°	3717.3	3709.8	3721.1	3767.4	3806.1	3847.4	3853.7	3947.5	4041.3	4136.3	4201.4
30°	3629.8	3622.3	3629.8	3663.5	3709.8	3737.3	3806.1	3931.2	4018.8	4083.8	4145.1
32.5°	3536.0	3528.5	3546.0	3571.0	3652.3	3656.0	3792.4	3909.9	3978.7	4026.3	4015.0
35°	3435.9	3425.9	3442.2	3480.9	3556.0	3583.5	3726.1	3813.6	3891.2	3913.7	3861.2
37.5°	3315.8	3298.3	3318.3	3372.1	3450.9	3531.0	3649.8	3751.1	3792.4	3732.3	3669.8
40°	3190.7	3178.2	3213.3	3240.8	3333.3	3444.7	3581.0	3652.3	3626.0	3557.2	3488.4
42.5°	3079.4	3053.2	3084.4	3137.0	3242.0	3368.4	3478.4	3518.5	3455.9	3354.6	3274.5
45°	2943.1	2911.8	2949.3	3019.4	3132.0	3275.8	3362.1	3348.3	3242.0	3154.5	3044.4
47.5°	2800.5	2763.0	2800.5	2884.3	3010.6	3163.2	3225.8	3163.2	3029.4	2919.3	2830.5
50°	2660.4	2616.6	2652.9	2779.2	2903.1	3020.6	3019.4	2898.1	2818.0	2697.9	2620.4
52.5°	2521.6	2459.0	2495.3	2632.9	2756.7	2890.6	2791.7	2679.2	2582.9	2477.8	2452.8
55°	2350.2	2282.7	2331.5	2531.6	2626.6	2705.4	2547.8	2449.0	2354.0	2301.4	2270.2
57.5°	2187.6	2113.8	2156.3	2392.7	2462.8	2482.8	2337.7	2197.6	2141.3	2123.8	2078.8
60°	2020.0	1936.2	1976.2	2248.9	2297.7	2216.4	2073.8	1965.0	1953.7	1918.7	1883.7
62.5°	1859.9	1767.4	1792.4	2070.0	2092.6	1945.0	1813.6	1784.9	1757.3	1722.3	1703.6
65°	1676.0	1579.7	1614.8	1879.9	1858.7	1668.5	1594.7	1588.5	1552.2	1523.5	1551.0
67.5°	1507.2	1393.4	1442.2	1672.3	1576.0	1420.9	1390.9	1375.9	1347.1	1363.4	1074.4
70°	1322.1	1198.2	1264.5	1448.4	1305.8	1203.3	1192.0	1169.5	1170.7	930.6	784.2
72.5°	1115.7	1008.1	1104.4	1203.3	1033.1	1003.1	986.9	984.4	794.2	645.4	609.1
75°	934.3	825.5	929.3	966.9	823.0	803.0	801.8	662.9	521.6	497.8	486.6
77.5°	729.2	645.4	744.2	687.9	631.6	609.1	546.6	410.3	392.7	376.5	141.3
80°	491.6	497.8	555.3	474.0	450.3	384.0	302.7	290.2	250.2	100.1	78.8
82.5°	298.9	375.2	354.0	296.4	290.2	208.9	191.4	97.6	72.5	57.5	50.0
85°	155.1	190.1	182.6	161.4	120.1	107.6	60.0	46.3	37.5	28.8	23.8
87.5°	52.5	70.0	67.5	53.8	41.3	32.5	21.3	17.5	12.5	10.0	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-70SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4200.1	4200.1	4197.6	4200.1	4201.4	4198.9	4198.9	4201.4	4202.6	4203.9	4210.1
5°	4206.4	4208.9	4212.6	4220.1	4221.4	4236.4	4242.7	4246.4	4250.2	4251.4	4242.7
7.5°	4220.1	4228.9	4236.4	4235.1	4226.4	4202.6	4195.1	4188.9	4200.1	4228.9	4262.7
10°	4232.6	4192.6	4117.6	4220.1	4188.9	4217.6	4302.7	4321.5	4379.0	4460.3	4484.1
12.5°	4146.3	4256.4	4280.2	4165.1	4377.7	4298.9	4392.7	4475.3	4499.1	4581.6	4531.6
15°	4238.9	4292.7	4329.0	4444.0	4431.5	4499.1	4525.3	4509.1	4512.8	4534.1	4590.4
17.5°	4237.7	4345.2	4369.0	4446.5	4499.1	4500.3	4492.8	4485.3	4505.3	4521.6	4487.8
20°	4310.2	4345.2	4391.5	4422.8	4432.8	4445.3	4469.0	4450.3	4412.8	4376.5	4361.5
22.5°	4273.9	4352.7	4392.7	4397.8	4391.5	4352.7	4317.7	4265.2	4247.7	4228.9	4235.1
25°	4281.4	4317.7	4312.7	4292.7	4266.4	4193.9	4176.4	4153.8	4120.1	4038.8	3965.0
27.5°	4227.6	4208.9	4186.4	4137.6	4090.1	4051.3	4007.5	3935.0	3874.9	3787.4	3754.8
30°	4137.6	4062.5	4007.5	3978.7	3932.5	3867.4	3801.1	3712.3	3636.0	3618.5	3602.3
32.5°	3965.0	3891.2	3846.2	3776.1	3697.3	3619.8	3543.5	3508.4	3492.2	3494.7	3479.7
35°	3788.6	3723.6	3656.0	3551.0	3492.2	3414.6	3387.1	3379.6	3364.6	3348.3	3330.8
37.5°	3601.0	3524.7	3423.4	3360.9	3302.1	3270.8	3257.0	3245.8	3219.5	3190.7	3170.7
40°	3419.6	3282.1	3225.8	3164.5	3147.0	3133.2	3113.2	3085.7	3049.4	3044.4	3035.6
42.5°	3177.0	3078.2	3029.4	3016.9	2995.6	2971.9	2954.3	2924.3	2909.3	2919.3	2926.8
45°	2946.8	2896.8	2880.6	2865.5	2825.5	2791.7	2780.5	2770.5	2783.0	2838.0	2706.7
47.5°	2760.5	2740.5	2720.5	2695.4	2657.9	2632.9	2644.2	2654.2	2665.4	2261.4	2063.8
50°	2599.1	2571.6	2540.3	2512.8	2490.3	2487.8	2546.6	2370.2	1985.0	1975.0	1774.9
52.5°	2422.8	2381.5	2362.7	2346.5	2356.5	2394.0	1981.2	1838.6	1763.6	1532.2	1429.6
55°	2232.6	2196.4	2196.4	2211.4	2157.6	1748.6	1727.3	1493.4	1352.1	1312.1	1295.8
57.5°	2042.5	2038.8	2060.0	1883.7	1587.2	1522.2	1279.6	1228.3	1205.8	1200.8	1174.5
60°	1868.7	1903.7	1593.5	1465.9	1274.5	1149.5	1114.4	1108.2	1084.4	1075.7	1051.9
62.5°	1729.8	1434.6	1335.8	1090.7	1026.9	1010.6	991.9	983.1	961.9	849.3	248.9
65°	1249.5	1180.7	958.1	916.8	911.8	888.1	880.6	791.7	186.4	125.1	106.3
67.5°	943.1	836.8	808.0	800.5	776.7	729.2	216.4	123.8	106.3	92.6	81.3
70°	724.2	705.4	684.2	666.7	196.4	122.6	106.3	90.1	77.5	68.8	62.5
72.5°	592.9	580.4	337.7	128.8	105.1	88.8	78.8	68.8	60.0	55.0	50.0
75°	464.0	128.8	106.3	88.8	76.3	65.0	57.5	51.3	46.3	42.5	38.8
77.5°	105.1	85.1	72.5	61.3	55.0	48.8	43.8	37.5	33.8	30.0	25.0
80°	65.0	56.3	47.5	43.8	37.5	31.3	27.5	25.0	20.0	18.8	16.3
82.5°	42.5	33.8	30.0	25.0	20.0	18.8	16.3	12.5	11.3	10.0	8.8
85°	18.8	16.3	13.8	11.3	8.8	7.5	6.3	5.0	5.0	5.0	5.0
87.5°	6.3	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	2.5	2.5
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: P#

CATALOG NUMBER: 8SNLED-LD5-70SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4212.6	4235.1	4256.4	4250.2	4227.6	4192.6	4182.6	4168.9	4178.9	4200.1	4208.9
5°	4242.7	4230.1	4275.2	4341.5	4449.0	4459.0	4534.1	4551.6	4611.6	4649.2	4647.9
7.5°	4285.2	4462.8	4536.6	4616.6	4652.9	4644.2	4655.4	4646.7	4632.9	4626.6	4619.1
10°	4501.6	4636.6	4664.2	4664.2	4607.9	4531.6	4499.1	4442.8	4330.2	4332.7	4313.9
12.5°	4627.9	4675.4	4610.4	4555.3	4329.0	4241.4	4146.3	4101.3	4075.0	4035.0	4050.0
15°	4561.6	4494.1	4455.3	4277.7	4138.8	3981.2	3983.7	3956.2	3927.5	3930.0	3911.2
17.5°	4464.0	4410.3	4135.1	4012.5	3945.0	3883.7	3872.4	3836.1	3817.4	3811.1	3809.9
20°	4330.2	4136.3	3931.2	3901.2	3819.9	3749.8	3738.6	3749.8	3807.4	3704.8	3357.1
22.5°	4173.9	3894.9	3834.9	3749.8	3694.8	3667.3	3736.1	3423.4	2950.6	3008.1	2946.8
25°	3908.7	3787.4	3684.8	3619.8	3613.5	3444.7	2870.5	2810.5	2506.6	2344.0	2161.4
27.5°	3714.8	3662.3	3554.7	3543.5	3462.2	2816.8	2517.8	2187.6	2066.3	2047.5	2007.5
30°	3597.2	3522.2	3457.2	3173.2	2763.0	2267.7	2020.0	1973.7	1952.5	1930.0	1894.9
32.5°	3455.9	3384.6	3415.9	2667.9	2202.6	1952.5	1902.4	1868.7	1829.9	1814.9	1688.6
35°	3312.1	3279.6	2669.2	2242.7	1893.7	1833.6	1796.1	1761.1	1400.9	339.0	115.1
37.5°	3158.2	3150.7	2399.0	1861.2	1773.6	1717.3	1611.0	332.7	78.8	53.8	40.0
40°	3038.2	2400.3	1896.2	1744.8	1673.5	1584.7	222.6	55.0	35.0	21.3	13.8
42.5°	2958.1	2158.9	1697.3	1637.3	1482.2	163.9	56.3	23.8	13.8	11.3	8.8
45°	2280.2	1704.8	1586.0	1523.5	187.6	56.3	32.5	11.3	8.8	7.5	5.0
47.5°	2103.8	1548.5	1478.4	332.7	62.5	30.0	22.5	7.5	5.0	5.0	5.0
50°	1593.5	1430.9	1177.0	81.3	40.0	21.3	16.3	5.0	5.0	5.0	3.8
52.5°	1397.1	1320.8	126.3	53.8	31.3	16.3	10.0	3.8	3.8	3.8	3.8
55°	1277.0	838.0	75.0	41.3	26.3	15.0	6.3	3.8	3.8	3.8	2.5
57.5°	1168.2	112.6	55.0	35.0	23.8	13.8	3.8	3.8	3.8	3.8	2.5
60°	990.6	81.3	45.0	31.3	22.5	12.5	3.8	3.8	3.8	3.8	3.8
62.5°	128.8	63.8	38.8	27.5	16.3	10.0	2.5	3.8	3.8	3.8	3.8
65°	93.8	50.0	35.0	18.8	10.0	3.8	2.5	3.8	3.8	3.8	3.8
67.5°	72.5	41.3	26.3	16.3	8.8	2.5	2.5	3.8	3.8	3.8	3.8
70°	57.5	35.0	21.3	13.8	7.5	2.5	2.5	3.8	3.8	3.8	3.8
72.5°	45.0	25.0	15.0	7.5	5.0	2.5	2.5	3.8	3.8	3.8	3.8
75°	33.8	20.0	11.3	6.3	2.5	2.5	2.5	3.8	3.8	3.8	3.8
77.5°	22.5	12.5	8.8	5.0	5.0	5.0	6.3	6.3	3.8	3.8	3.8
80°	15.0	8.8	6.3	6.3	6.3	5.0	6.3	6.3	3.8	6.3	3.8
82.5°	7.5	6.3	6.3	5.0	5.0	3.8	5.0	5.0	5.0	5.0	3.8
85°	5.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.0	5.0	3.8
87.5°	2.5	2.5	2.5	2.5	3.8	3.8	3.8	3.8	5.0	5.0	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-70SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4197.6	4201.4	4191.4	4245.2	4217.6	4220.1	4231.4	4202.6	4208.9	4188.9	4175.1
5°	4652.9	4660.4	4667.9	4670.4	4675.4	4681.7	4674.2	4670.4	4662.9	4637.9	4611.6
7.5°	4581.6	4572.9	4569.1	4574.1	4582.9	4586.6	4580.4	4589.1	4621.6	4635.4	4644.2
10°	4206.4	4166.4	4193.9	4190.1	4158.9	4263.9	4235.1	4251.4	4262.7	4377.7	4447.8
12.5°	4027.5	4052.5	4005.0	3981.2	4012.5	4033.8	4055.0	4010.0	4072.5	4043.8	4136.3
15°	3877.4	3862.4	3857.4	3858.7	3852.4	3882.4	3889.9	3899.9	3908.7	3947.5	3962.5
17.5°	3809.9	3834.9	3844.9	3852.4	3839.9	3826.1	3812.4	3792.4	3798.6	3788.6	3817.4
20°	3123.2	3039.4	3034.4	3083.2	3029.4	3059.4	3132.0	3617.3	3601.0	3789.9	3726.1
22.5°	2606.6	2527.8	2460.3	2401.5	2485.3	2520.3	2655.4	2808.0	3055.7	3016.9	3285.8
25°	2128.8	2100.1	2082.6	2073.8	2080.1	2077.5	2107.6	2178.9	2291.4	2556.6	2899.3
27.5°	1991.2	1977.5	1971.2	1951.2	1966.2	1961.2	1985.0	2000.0	2033.8	2060.0	2171.4
30°	1882.4	1866.2	1854.9	1833.6	1848.7	1849.9	1857.4	1896.2	1909.9	1932.5	1967.5
32.5°	687.9	405.3	380.2	361.5	395.2	515.3	904.3	1581.0	1803.6	1821.1	1861.2
35°	67.5	56.3	50.0	50.0	51.3	56.3	75.0	197.6	361.5	1397.1	1748.6
37.5°	26.3	22.5	18.8	17.5	18.8	21.3	28.8	37.5	51.3	106.3	474.0
40°	11.3	10.0	8.8	8.8	8.8	8.8	10.0	12.5	18.8	35.0	55.0
42.5°	7.5	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8.8	11.3	22.5
45°	5.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.0	6.3	10.0
47.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.0
50°	3.8	3.8	3.8	3.8	2.5	3.8	2.5	3.8	3.8	3.8	3.8
52.5°	3.8	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.8	3.8
55°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.8
57.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
60°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
62.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.8	3.8	2.5
65°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.8	2.5
67.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
70°	3.8	3.8	2.5	3.8	2.5	2.5	3.8	3.8	3.8	2.5	2.5
72.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.5	7.5	5.0
75°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	6.3	7.5	6.3
77.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	6.3	6.3	6.3
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.0	5.0	5.0
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.0	5.0	5.0
85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-70SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4151.3	4150.1	4176.4	4196.4	4188.9	4196.4	4205.1	4206.4	4208.9	4198.9	4195.1
5°	4561.6	4522.8	4447.8	4394.0	4331.5	4217.6	4161.4	4167.6	4168.9	4165.1	4170.1
7.5°	4640.4	4636.6	4610.4	4599.1	4556.6	4475.3	4345.2	4322.7	4267.7	4232.6	4203.9
10°	4442.8	4532.8	4556.6	4596.6	4621.6	4606.6	4496.6	4480.3	4445.3	4405.3	4414.0
12.5°	4228.9	4302.7	4306.4	4524.1	4572.9	4577.9	4535.3	4557.9	4562.9	4472.8	4420.3
15°	3966.2	4001.3	4075.0	4277.7	4425.3	4517.8	4545.3	4557.9	4496.6	4492.8	4471.5
17.5°	3851.2	3873.7	3907.4	4021.3	4245.2	4381.5	4497.8	4489.1	4512.8	4495.3	4441.5
20°	3706.1	3724.8	3784.9	3842.4	3952.5	4133.8	4351.5	4367.7	4399.0	4395.2	4410.3
22.5°	3703.6	3637.3	3647.3	3692.3	3807.4	3970.0	4201.4	4255.2	4275.2	4288.9	4305.2
25°	2938.1	3464.7	3561.0	3589.7	3664.8	3759.9	4032.5	4052.5	4090.1	4151.3	4196.4
27.5°	2545.3	2903.1	3288.3	3488.4	3536.0	3614.8	3777.4	3807.4	3935.0	3950.0	4020.0
30°	2008.8	2285.2	2860.5	3342.1	3420.9	3475.9	3591.0	3651.0	3706.1	3766.1	3839.9
32.5°	1889.9	1933.7	2252.7	2765.5	3378.4	3337.1	3422.1	3458.4	3518.5	3571.0	3624.8
35°	1781.1	1811.1	1878.7	2265.2	2751.7	3223.3	3280.8	3304.6	3338.3	3378.4	3417.1
37.5°	1667.3	1712.3	1758.6	1862.4	2545.3	3133.2	3132.0	3159.5	3179.5	3213.3	3245.8
40°	302.7	1572.2	1647.3	1714.8	1973.7	2499.1	2991.9	3004.4	3018.1	3039.4	3073.2
42.5°	48.8	262.7	1543.5	1608.5	1682.3	2237.6	2928.1	2876.8	2868.0	2883.1	2913.1
45°	25.0	63.8	310.2	1502.2	1568.5	1784.9	2394.0	2788.0	2779.2	2750.5	2756.7
47.5°	18.8	40.0	76.3	519.1	1468.4	1532.2	2208.9	2185.1	2351.5	2670.4	2621.6
50°	16.3	27.5	45.0	106.3	1297.1	1410.9	1701.1	1987.5	2075.0	2086.3	2469.0
52.5°	15.0	18.8	32.5	68.8	272.7	1304.6	1383.4	1483.4	1631.0	1947.5	1940.0
55°	13.8	17.5	27.5	46.3	95.1	1175.7	1257.0	1275.8	1307.1	1458.4	1658.5
57.5°	7.5	16.3	26.3	40.0	71.3	215.1	1140.7	1155.7	1180.7	1187.0	1258.3
60°	3.8	15.0	23.8	35.0	52.5	100.1	1025.6	1043.2	1058.2	1060.7	1083.2
62.5°	2.5	13.8	20.0	32.5	43.8	71.3	242.7	495.3	941.8	941.8	968.1
65°	2.5	10.0	12.5	21.3	40.0	58.8	102.6	118.8	231.4	569.1	849.3
67.5°	2.5	3.8	11.3	17.5	30.0	45.0	75.0	87.6	105.1	120.1	222.6
70°	2.5	2.5	10.0	11.3	18.8	33.8	53.8	61.3	71.3	81.3	93.8
72.5°	2.5	2.5	8.8	8.8	12.5	22.5	41.3	45.0	51.3	57.5	66.3
75°	6.3	5.0	7.5	7.5	8.8	17.5	31.3	35.0	37.5	42.5	48.8
77.5°	6.3	6.3	6.3	6.3	6.3	11.3	20.0	22.5	26.3	28.8	33.8
80°	5.0	5.0	5.0	6.3	6.3	7.5	12.5	13.8	15.0	18.8	20.0
82.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	7.5	8.8	11.3
85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.0	5.0	5.0	5.0
87.5°	3.8	3.8	3.8	2.5	2.5	3.8	3.8	3.8	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-70SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4193.9	4186.4	4180.1	4183.9	4172.6	4167.6	4171.4	4172.6	4175.1	4181.4	4182.6
5°	4182.6	4180.1	4191.4	4197.6	4195.1	4197.6	4197.6	4192.6	4185.1	4190.1	4178.9
7.5°	4175.1	4158.9	4146.3	4148.8	4136.3	4151.3	4165.1	4185.1	4191.4	4191.4	4178.9
10°	4303.9	4286.4	4216.4	4168.9	4137.6	4110.1	4175.1	4108.8	4140.1	4021.3	4157.6
12.5°	4410.3	4434.0	4402.8	4272.7	4250.2	4167.6	4215.1	4133.8	4110.1	3973.7	4017.5
15°	4452.8	4407.8	4397.8	4361.5	4312.7	4288.9	4161.4	4147.6	4108.8	4123.8	4066.3
17.5°	4415.3	4437.8	4407.8	4384.0	4334.0	4277.7	4201.4	4133.8	4080.1	3960.0	4061.3
20°	4379.0	4409.0	4319.0	4334.0	4339.0	4273.9	4233.9	4177.6	4110.1	3997.5	3909.9
22.5°	4319.0	4297.7	4305.2	4282.7	4263.9	4272.7	4217.6	4178.9	4065.0	4013.8	3894.9
25°	4221.4	4213.9	4233.9	4231.4	4186.4	4171.4	4143.8	4102.6	4057.5	3975.0	3877.4
27.5°	4062.5	4101.3	4136.3	4152.6	4128.8	4088.8	4073.8	4050.0	4018.8	3935.0	3862.4
30°	3894.9	3938.7	3978.7	4013.8	4035.0	4017.5	4003.8	3990.0	3942.5	3887.4	3806.1
32.5°	3703.6	3761.1	3816.1	3858.7	3904.9	3918.7	3908.7	3897.4	3857.4	3807.4	3742.3
35°	3482.2	3561.0	3641.0	3717.3	3737.3	3769.9	3802.4	3783.6	3762.4	3712.3	3652.3
37.5°	3294.6	3350.8	3408.4	3504.7	3574.7	3616.0	3673.5	3681.1	3644.8	3621.0	3542.2
40°	3100.7	3152.0	3235.8	3292.1	3388.4	3435.9	3497.2	3524.7	3515.9	3502.2	3433.4
42.5°	2948.1	2973.1	3028.1	3078.2	3173.2	3270.8	3324.6	3354.6	3385.9	3374.6	3339.6
45°	2785.5	2808.0	2826.8	2870.5	2963.1	3049.4	3115.7	3160.7	3217.0	3243.3	3200.8
47.5°	2624.1	2630.4	2652.9	2689.2	2744.2	2810.5	2921.8	2989.4	3041.9	3093.2	3065.7
50°	2500.3	2477.8	2481.6	2504.1	2549.1	2614.1	2694.2	2789.2	2849.3	2911.8	2918.1
52.5°	2185.1	2367.7	2324.0	2336.5	2360.2	2391.5	2475.3	2569.1	2642.9	2696.7	2750.5
55°	1833.6	1869.9	2221.4	2171.4	2186.4	2213.9	2252.7	2346.5	2417.8	2492.8	2567.9
57.5°	1422.1	1692.3	1706.1	2031.3	2023.8	2026.3	2058.8	2112.6	2183.9	2277.7	2341.5
60°	1105.7	1219.5	1440.9	1553.5	1838.6	1848.7	1867.4	1898.7	1960.0	2048.8	2150.1
62.5°	975.6	990.6	1069.4	1238.3	1423.4	1647.3	1687.3	1692.3	1719.8	1808.6	1926.2
65°	856.8	866.8	890.6	908.1	1063.2	1279.6	1472.2	1503.4	1521.0	1573.5	1673.5
67.5°	590.4	746.7	768.0	780.5	795.5	895.6	1134.5	1293.3	1313.3	1359.6	1447.2
70°	113.8	236.4	646.7	660.4	667.9	690.4	729.2	981.9	1114.4	1158.2	1198.2
72.5°	77.5	91.3	110.1	260.2	550.3	562.9	571.6	604.1	828.0	955.6	976.9
75°	56.3	62.5	73.8	91.3	112.6	366.5	454.0	470.3	486.6	671.7	779.2
77.5°	40.0	45.0	50.0	58.8	68.8	88.8	127.6	351.5	367.7	376.5	531.6
80°	22.5	27.5	33.8	38.8	43.8	50.0	65.0	81.3	181.4	265.2	278.9
82.5°	12.5	15.0	17.5	21.3	23.8	30.0	36.3	43.8	57.5	85.1	180.1
85°	6.3	6.3	6.3	8.8	10.0	13.8	16.3	18.8	26.3	36.3	50.0
87.5°	3.8	3.8	5.0	5.0	5.0	6.3	6.3	6.3	7.5	11.3	16.3
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-LD5-70SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	4167.6	4167.6	4167.6	4167.6	4167.6
2.5°	4183.9	4180.1	4180.1	4195.1	4191.4
5°	4176.4	4172.6	4171.4	4187.6	4180.1
7.5°	4170.1	4156.3	4152.6	4167.6	4161.4
10°	4145.1	4135.1	4141.3	4136.3	4133.8
12.5°	4102.6	4096.3	4070.0	4072.5	4093.8
15°	4026.3	4051.3	4006.3	4046.3	4055.0
17.5°	3886.2	3942.5	3986.2	4010.0	4013.8
20°	3948.7	3967.5	3945.0	3946.2	3961.2
22.5°	3867.4	3876.2	3882.4	3874.9	3907.4
25°	3737.3	3703.6	3776.1	3791.1	3843.7
27.5°	3697.3	3669.8	3703.6	3701.1	3744.8
30°	3664.8	3576.0	3591.0	3614.8	3668.5
32.5°	3618.5	3478.4	3463.4	3515.9	3576.0
35°	3537.2	3404.6	3369.6	3403.4	3493.4
37.5°	3468.4	3302.1	3232.0	3277.0	3394.6
40°	3365.9	3222.0	3113.2	3153.2	3292.1
42.5°	3243.3	3153.2	2985.6	3013.1	3172.0
45°	3119.5	3039.4	2861.8	2875.5	3064.4
47.5°	2993.1	2919.3	2733.0	2735.5	2926.8
50°	2869.3	2771.7	2617.9	2574.1	2780.5
52.5°	2707.9	2617.9	2501.6	2430.3	2641.7
55°	2555.3	2454.0	2369.0	2258.9	2484.1
57.5°	2406.5	2293.9	2236.4	2095.1	2305.2
60°	2202.6	2148.8	2063.8	1928.7	2143.8
62.5°	1993.7	1976.2	1889.9	1749.8	1945.0
65°	1749.8	1791.1	1702.3	1582.2	1738.6
67.5°	1519.7	1593.5	1495.9	1422.1	1539.7
70°	1274.5	1359.6	1304.6	1278.3	1328.3
72.5°	1033.1	1115.7	1120.7	1101.9	1118.2
75°	798.0	889.3	939.3	910.6	914.3
77.5°	605.4	649.2	704.2	726.7	721.7
80°	374.0	450.3	495.3	541.6	525.3
82.5°	188.9	252.7	307.7	357.7	334.0
85°	78.8	101.3	141.3	186.4	178.9
87.5°	23.8	40.0	42.5	60.0	56.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)