

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-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-LD5-70SL-RM-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

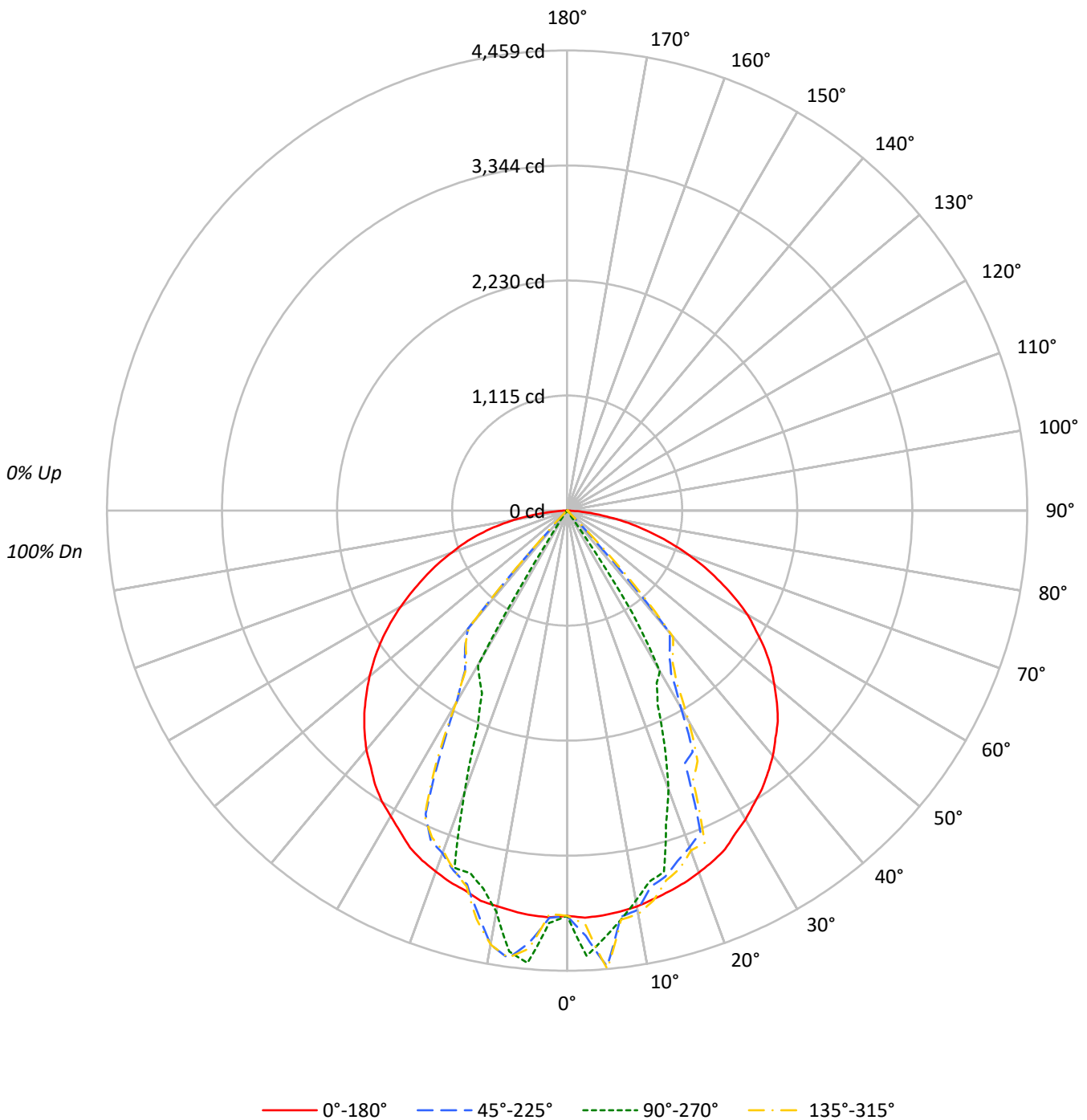
Lumens per Lamp: N/A
Luminaire Lumens: 5583.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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



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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°	15865	15865	15865	15865
5°	15951	16317	15946	17279
10°	15935	14765	15925	15191
15°	15914	13781	15875	13817
20°	15956	10855	15910	10988
25°	16027	7855	15949	7413
30°	15981	6891	15812	6624
35°	16058	152	15823	184
40°	16147	33	15761	33
45°	16243	20	15633	15
50°	16166	15	15424	15
55°	16126	11	15135	11
60°	15892	12	14650	12
65°	15153	19	14073	13
70°	14175	20	13494	20
75°	12707	23	12915	23
80°	10578	26	11183	26
85°	6628	31	6766	31



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.9	7.1
10°-20°	1074.5	19.2
20°-30°	1367.3	24.5
30°-40°	1155.0	20.7
40°-50°	755.1	13.5
50°-60°	475.8	8.5
60°-70°	253.3	4.5
70°-80°	92.3	1.7
80°-90°	15.9	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°	2835.7	50.8
0°-40°	3990.7	71.5
0°-60°	5221.5	93.5
0°-90°	5583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5583.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3926	3926	3926	3926	3926	
5°	3938	4155	3937	4400	3938	374
15°	3820	3626	3811	3635	3820	1080
25°	3621	2070	3604	1954	3621	1665
35°	3291	39	3243	47	3291	2059
45°	2887	5	2779	4	2887	2220
55°	2340	2	2196	2	2340	2085
65°	1638	4	1521	2	1638	1622
75°	861	4	876	4	861	914
85°	168	4	172	4	168	213
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	3948.8	3951.1	3952.3	3954.7	3958.2	3959.4	3961.7	3959.4	3959.4	3959.4	3959.4
5°	3938.2	3942.9	3946.4	3951.1	3959.4	3960.6	3970.0	3971.2	3975.9	3985.3	3992.4
7.5°	3920.5	3925.2	3932.3	3944.1	3955.8	3968.8	3985.3	4003.0	4027.7	4051.3	4080.8
10°	3894.6	3900.5	3908.7	3919.3	3977.1	3985.3	4021.8	4072.5	4086.6	4160.9	4216.3
12.5°	3856.9	3876.9	3898.1	3907.5	3962.9	4050.1	4172.7	4147.9	4120.8	4363.6	4360.0
15°	3820.3	3847.4	3836.8	3913.4	3964.1	4116.1	4064.3	4175.0	4377.7	4328.2	4330.6
17.5°	3781.4	3787.3	3846.3	3909.9	4000.6	4078.4	4142.0	4294.0	4334.1	4337.6	4294.0
20°	3731.9	3760.2	3846.3	3904.0	4057.2	4093.7	4231.6	4309.4	4292.9	4252.8	4178.6
22.5°	3681.3	3767.3	3854.5	3935.8	4043.0	4140.8	4209.2	4245.7	4159.7	4001.8	3917.0
25°	3621.2	3671.9	3786.2	3905.2	4039.5	4096.1	4136.1	4077.2	3965.3	3823.9	3681.3
27.5°	3528.1	3609.4	3755.5	3889.9	4011.2	4079.6	4014.8	3873.4	3693.1	3600.0	3535.2
30°	3456.2	3562.3	3682.5	3812.1	3938.2	3978.2	3813.3	3651.8	3528.1	3435.0	3420.9
32.5°	3369.0	3519.8	3634.1	3757.9	3863.9	3810.9	3650.6	3442.1	3339.5	3304.2	3318.3
35°	3291.2	3405.5	3555.2	3676.6	3753.2	3634.1	3380.8	3251.2	3201.7	3221.7	3195.8
37.5°	3198.1	3349.0	3486.8	3591.7	3565.8	3386.7	3172.2	3089.7	3095.6	3079.1	3029.6
40°	3101.5	3245.3	3389.0	3488.0	3397.3	3123.9	2981.3	2963.6	2967.2	2914.1	2843.4
42.5°	2988.4	3119.2	3263.0	3352.5	3156.9	2943.6	2847.0	2849.3	2818.7	2744.5	2706.8
45°	2887.0	3007.2	3156.9	3165.1	2924.8	2746.8	2718.5	2687.9	2619.6	2594.8	2566.5
47.5°	2757.4	2890.6	3014.3	2969.5	2697.3	2586.6	2565.3	2498.2	2464.0	2445.2	2421.6
50°	2619.6	2753.9	2867.0	2739.7	2482.9	2456.9	2387.4	2334.4	2310.8	2290.8	2269.6
52.5°	2488.8	2599.5	2715.0	2495.8	2317.9	2293.1	2214.2	2183.5	2160.0	2137.6	2132.9
55°	2340.3	2438.1	2517.0	2263.7	2160.0	2102.2	2045.7	2024.5	2002.1	1991.5	2009.1
57.5°	2171.8	2282.5	2270.8	2035.1	1989.1	1905.5	1884.2	1870.1	1853.6	1860.7	1713.4
60°	2019.8	2104.6	2046.9	1867.7	1790.0	1733.4	1714.6	1705.1	1714.6	1570.8	1381.1
62.5°	1832.4	1927.8	1811.2	1672.1	1589.6	1562.5	1546.0	1559.0	1421.1	1263.2	1217.3
65°	1638.0	1741.7	1569.6	1462.4	1410.5	1387.0	1385.8	1276.2	1140.7	1079.4	1079.4
67.5°	1450.6	1557.8	1336.3	1246.7	1226.7	1229.1	1160.7	994.6	956.8	915.6	796.6
70°	1251.4	1345.7	1104.1	1049.9	1038.2	1029.9	863.8	819.0	774.2	664.6	655.2
72.5°	1053.5	1099.4	887.3	874.4	872.0	724.7	691.7	615.1	563.3	550.3	544.4
75°	861.4	847.3	701.1	712.9	601.0	549.1	496.1	451.3	444.3	439.5	109.6
77.5°	679.9	609.2	552.7	480.8	430.1	365.3	354.7	347.6	228.6	82.5	67.2
80°	494.9	394.8	367.7	312.3	266.3	255.7	261.6	80.1	63.6	53.0	46.0
82.5°	314.6	252.2	206.2	180.3	175.6	76.6	56.6	46.0	40.1	34.2	28.3
85°	168.5	111.9	103.7	87.2	51.8	35.4	29.5	22.4	18.9	15.3	14.1
87.5°	53.0	44.8	36.5	29.5	17.7	11.8	9.4	8.2	7.1	5.9	5.9
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°	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	3957.0	3959.4	3958.2	3961.7	3961.7	3966.4	3970.0	3973.5	3980.6	3984.1	4011.2
5°	4007.7	4013.6	4031.3	4047.8	4067.8	4073.7	4107.9	4116.1	4156.2	4160.9	4292.9
7.5°	4120.8	4143.2	4185.6	4228.1	4270.5	4297.6	4344.7	4374.2	4406.0	4434.3	4539.1
10°	4257.5	4295.2	4336.5	4378.9	4403.6	4455.5	4483.8	4488.5	4480.2	4434.3	4264.6
12.5°	4391.8	4429.6	4411.9	4420.1	4449.6	4357.7	4370.6	4304.6	4350.6	4123.2	3954.7
15°	4373.0	4370.6	4327.0	4185.6	4209.2	4033.6	3962.9	3908.7	3952.3	3928.7	3902.8
17.5°	4316.4	4209.2	4133.8	3964.1	3892.2	3842.7	3843.9	3845.1	3823.9	3846.3	3780.3
20°	4077.2	3957.0	3845.1	3785.0	3763.8	3728.4	3746.1	3728.4	3729.6	3736.7	3635.3
22.5°	3759.1	3722.5	3657.7	3676.6	3669.5	3701.3	3677.7	3641.2	3653.0	3600.0	3523.4
25°	3630.6	3588.2	3585.8	3592.9	3582.3	3568.2	3546.9	3491.6	3488.0	3471.5	3436.2
27.5°	3501.0	3503.3	3510.4	3489.2	3451.5	3423.2	3391.4	3364.3	3374.9	3356.0	3307.7
30°	3411.4	3410.2	3367.8	3349.0	3279.4	3280.6	3272.4	3255.9	3245.3	3246.5	3215.8
32.5°	3284.2	3247.6	3199.3	3175.8	3169.9	3148.6	3132.2	3135.7	3143.9	3114.5	3146.3
35°	3153.4	3077.9	3070.9	3050.8	3032.0	3017.8	3023.7	3000.2	2999.0	2995.5	2736.2
37.5°	2977.8	2941.3	2937.7	2916.5	2903.5	2900.0	2877.6	2881.2	2891.8	2910.6	2333.2
40°	2832.8	2799.8	2791.6	2790.4	2762.1	2759.8	2765.7	2788.1	2803.4	2685.5	2223.6
42.5°	2677.3	2679.7	2653.7	2637.2	2640.8	2651.4	2679.7	2601.9	2254.3	2148.2	2032.7
45°	2544.1	2532.4	2518.2	2513.5	2544.1	2522.9	2211.8	2041.0	1999.7	1995.0	1671.0
47.5°	2405.1	2401.6	2395.7	2399.2	2224.8	1983.2	1912.5	1890.1	1897.2	1892.5	1435.3
50°	2264.9	2269.6	2269.6	1982.0	1819.4	1779.4	1785.3	1805.3	1680.4	1568.4	1337.5
52.5°	2143.5	2107.0	1805.3	1701.6	1665.1	1682.7	1640.3	1483.6	1370.5	1304.5	1237.3
55°	1918.4	1649.7	1582.6	1566.1	1579.0	1422.3	1325.7	1224.3	1194.9	1187.8	1148.9
57.5°	1509.5	1455.3	1461.2	1395.2	1245.6	1157.2	1118.3	1104.1	1091.2	1081.8	94.3
60°	1335.1	1350.4	1236.1	1094.7	1034.6	1022.8	1013.4	1000.4	998.1	981.6	60.1
62.5°	1222.0	1074.7	975.7	940.4	926.2	922.7	905.0	899.1	763.6	104.9	44.8
65°	921.5	861.4	842.5	834.3	819.0	819.0	679.9	107.2	87.2	75.4	40.1
67.5°	751.8	747.1	737.7	727.1	494.9	103.7	90.7	79.0	68.3	60.1	35.4
70°	636.3	634.0	577.4	106.1	88.4	77.8	68.3	61.3	56.6	50.7	31.8
72.5°	522.0	106.1	89.6	77.8	67.2	61.3	55.4	49.5	44.8	41.2	25.9
75°	81.3	71.9	63.6	57.7	53.0	47.1	42.4	38.9	37.7	33.0	17.7
77.5°	58.9	50.7	46.0	41.2	36.5	33.0	28.3	24.7	22.4	18.9	13.0
80°	41.2	36.5	33.0	27.1	23.6	20.0	17.7	15.3	14.1	11.8	5.9
82.5°	23.6	20.0	17.7	14.1	13.0	10.6	9.4	8.2	8.2	5.9	5.9
85°	10.6	10.6	8.2	7.1	5.9	5.9	5.9	4.7	4.7	3.5	3.5
87.5°	4.7	4.7	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5	2.4
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°	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	4048.9	4064.3	4093.7	4124.4	4090.2	4212.7	4203.3	4244.5	4266.9	4277.5	4302.3
5°	4409.5	4477.9	4500.3	4433.1	4394.2	4354.1	4263.4	4195.1	4203.3	4180.9	4099.6
7.5°	4402.5	4256.3	4059.5	3970.0	3962.9	3952.3	3980.6	3997.1	3999.4	3998.3	3995.9
10°	4030.1	3954.7	3941.7	3929.9	3934.6	3891.0	3871.0	3814.4	3845.1	3828.6	3834.5
12.5°	3917.0	3899.3	3829.8	3733.1	3790.9	3747.3	3722.5	3739.0	3720.2	3702.5	3696.6
15°	3849.8	3735.5	3696.6	3673.0	3656.5	3647.1	3655.4	3636.5	3630.6	3627.1	3635.3
17.5°	3710.7	3664.8	3622.4	3559.9	3561.1	3557.5	3581.1	3616.5	3618.8	3437.4	3273.6
20°	3601.1	3563.4	3509.2	3470.3	3523.4	3429.1	3065.0	2891.8	2864.7	2864.7	2869.4
22.5°	3513.9	3430.3	3433.8	3372.5	2876.4	2775.1	2777.5	2788.1	2739.7	2574.8	2557.1
25°	3394.9	3382.0	3123.9	2699.7	2703.2	2624.3	2502.9	2332.0	2147.0	2147.0	2116.4
27.5°	3305.4	3030.8	2653.7	2636.1	2370.9	2203.6	2099.9	1943.2	1921.9	1901.9	1904.3
30°	3228.8	2564.2	2573.6	2203.6	2008.0	1868.9	1860.7	1834.7	1821.8	1818.3	1805.3
32.5°	2552.4	2497.0	2154.1	1876.0	1799.4	1777.0	1766.4	1736.9	1735.8	1713.4	1557.8
35°	2393.3	2191.8	1802.9	1727.5	1705.1	1683.9	1666.2	1118.3	132.0	53.0	46.0
37.5°	2211.8	1831.2	1667.4	1633.2	1612.0	1191.3	119.0	41.2	29.5	21.2	18.9
40°	1874.8	1635.6	1583.8	1546.0	637.5	41.2	25.9	20.0	11.8	10.6	9.4
42.5°	1581.4	1541.3	1485.9	452.5	47.1	20.0	13.0	9.4	8.2	8.2	7.1
45°	1480.1	1444.7	598.6	44.8	29.5	9.4	8.2	8.2	7.1	4.7	4.7
47.5°	1385.8	1219.6	54.2	28.3	18.9	8.2	7.1	4.7	4.7	4.7	3.5
50°	1285.6	67.2	37.7	21.2	11.8	4.7	4.7	4.7	4.7	3.5	3.5
52.5°	240.4	47.1	30.6	18.9	5.9	4.7	4.7	4.7	3.5	3.5	3.5
55°	56.6	37.7	28.3	16.5	4.7	4.7	4.7	3.5	3.5	3.5	2.4
57.5°	42.4	28.3	22.4	15.3	4.7	3.5	3.5	3.5	3.5	3.5	2.4
60°	35.4	20.0	17.7	14.1	3.5	3.5	3.5	3.5	3.5	3.5	2.4
62.5°	24.7	16.5	13.0	10.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	20.0	13.0	10.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
67.5°	17.7	10.6	7.1	2.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5
70°	14.1	3.5	3.5	2.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5
72.5°	11.8	3.5	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5
75°	11.8	5.9	2.4	2.4	3.5	3.5	4.7	4.7	3.5	3.5	3.5
77.5°	8.2	5.9	2.4	2.4	3.5	3.5	4.7	4.7	3.5	3.5	3.5
80°	4.7	5.9	2.4	3.5	3.5	7.1	8.2	4.7	3.5	3.5	3.5
82.5°	4.7	5.9	7.1	7.1	3.5	5.9	7.1	5.9	4.7	3.5	3.5
85°	4.7	3.5	4.7	5.9	3.5	5.9	5.9	4.7	4.7	3.5	3.5
87.5°	2.4	3.5	3.5	4.7	4.7	4.7	5.9	4.7	4.7	4.7	3.5
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	4314.1	4318.8	4244.5	4218.6	4241.0	4236.3	4216.3	4142.0	4133.8	4084.3	4012.4
5°	4123.2	4155.0	4116.1	4183.3	4151.5	4183.3	4279.9	4324.7	4397.7	4442.5	4459.0
7.5°	3990.0	3997.1	3997.1	4003.0	4008.9	4010.0	4003.0	3998.3	3978.2	3953.5	3998.3
10°	3828.6	3836.8	3851.0	3848.6	3847.4	3872.2	3878.1	3928.7	3926.4	3935.8	3970.0
12.5°	3744.9	3681.3	3739.0	3723.7	3744.9	3711.9	3773.2	3762.6	3766.1	3794.4	3867.5
15°	3605.9	3625.9	3640.0	3640.0	3648.3	3641.2	3634.1	3682.5	3711.9	3713.1	3708.4
17.5°	3338.4	3186.4	3341.9	3301.8	3621.2	3629.4	3602.3	3579.9	3579.9	3597.6	3635.3
20°	2865.8	2869.4	2870.5	2885.9	2904.7	2903.5	2904.7	3369.0	3589.4	3538.7	3504.5
22.5°	2512.3	2468.7	2550.0	2544.1	2645.5	2757.4	2864.7	2854.1	2861.1	3188.7	3483.3
25°	2013.9	2070.4	2024.5	2044.5	2158.8	2292.0	2374.4	2590.1	2824.6	2808.1	2884.7
27.5°	1896.0	1880.7	1901.9	1901.9	1917.2	1934.9	1980.9	2102.2	2310.8	2530.0	2737.4
30°	1784.1	1797.0	1799.4	1820.6	1832.4	1844.2	1851.2	1897.2	1944.3	2096.3	2352.1
32.5°	1339.8	1174.9	1546.0	1646.2	1731.0	1751.1	1765.2	1784.1	1818.3	1840.6	1969.1
35°	38.9	38.9	41.2	47.1	60.1	405.4	1543.7	1701.6	1724.0	1752.3	1775.8
37.5°	18.9	14.1	16.5	17.7	21.2	29.5	42.4	132.0	1469.4	1661.5	1687.4
40°	8.2	8.2	8.2	8.2	9.4	11.8	17.7	29.5	44.8	1181.9	1594.4
42.5°	7.1	7.1	7.1	7.1	7.1	7.1	8.2	10.6	21.2	50.7	836.7
45°	4.7	4.7	3.5	4.7	4.7	5.9	7.1	7.1	9.4	31.8	57.7
47.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.9	7.1	21.2	30.6
50°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	16.5	21.2
52.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.1	18.9
55°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	4.7	16.5
57.5°	2.4	2.4	2.4	2.4	2.4	3.5	2.4	2.4	3.5	3.5	15.3
60°	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	14.1
62.5°	3.5	3.5	2.4	3.5	2.4	2.4	3.5	3.5	3.5	3.5	9.4
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.4	3.5
67.5°	3.5	3.5	3.5	3.5	2.4	3.5	2.4	3.5	3.5	2.4	2.4
70°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4
75°	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	2.4	2.4	2.4
77.5°	3.5	3.5	3.5	3.5	3.5	3.5	5.9	7.1	5.9	5.9	2.4
80°	3.5	3.5	3.5	3.5	3.5	3.5	5.9	5.9	5.9	5.9	8.2
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7	4.7	5.9
85°	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7	3.5	4.7
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	3.5	3.5	3.5
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	4018.3	3978.2	3965.3	3938.2	3935.8	3938.2	3932.3	3924.0	3928.7	3920.5	3913.4
5°	4468.4	4361.2	4291.7	4198.6	4070.1	4041.9	4034.8	3994.7	3980.6	3975.9	3957.0
7.5°	4104.3	4299.9	4417.8	4457.8	4307.0	4271.7	4230.4	4197.4	4165.6	4105.5	4069.0
10°	3942.9	3952.3	4065.4	4197.4	4411.9	4441.3	4463.7	4391.8	4371.8	4218.6	4185.6
12.5°	3905.2	3906.4	3919.3	3999.4	4168.0	4186.8	4265.8	4308.2	4360.0	4389.5	4365.9
15°	3733.1	3828.6	3899.3	3906.4	3921.7	3954.7	3978.2	4125.5	4188.0	4355.3	4345.9
17.5°	3653.0	3683.6	3786.2	3869.8	3855.7	3843.9	3862.8	3882.8	3942.9	4110.2	4107.9
20°	3519.8	3617.6	3673.0	3760.2	3839.2	3842.7	3821.5	3809.7	3786.2	3813.3	3838.0
22.5°	3463.3	3478.6	3582.3	3643.6	3733.1	3764.9	3769.7	3770.8	3757.9	3743.7	3736.7
25°	3457.4	3409.1	3462.1	3538.7	3604.7	3638.9	3677.7	3690.7	3686.0	3686.0	3678.9
27.5°	2829.3	3393.8	3365.5	3416.1	3496.3	3519.8	3539.9	3579.9	3604.7	3622.4	3630.6
30°	2695.0	2796.3	3290.1	3297.1	3378.4	3376.1	3398.5	3431.5	3463.3	3504.5	3515.1
32.5°	2383.9	2632.5	3012.0	3178.1	3263.0	3271.2	3283.0	3292.4	3321.9	3367.8	3407.9
35°	1910.2	2398.0	2580.7	3121.5	3136.9	3153.4	3160.4	3182.8	3192.2	3211.1	3246.5
37.5°	1728.7	1982.0	2475.8	2699.7	2991.9	3006.1	3043.8	3053.2	3068.5	3083.8	3110.9
40°	1623.8	1693.3	2061.0	2411.0	2875.3	2884.7	2897.7	2921.2	2922.4	2940.1	2964.8
42.5°	1540.2	1584.9	1692.2	2302.6	2792.8	2791.6	2761.0	2776.3	2783.3	2802.2	2836.4
45°	1230.2	1487.1	1555.5	1880.7	2223.6	2383.9	2691.4	2640.8	2639.6	2646.7	2683.2
47.5°	62.5	1398.7	1447.1	1551.9	2099.9	2105.8	2145.8	2482.9	2534.7	2518.2	2521.7
50°	42.4	96.6	1348.1	1396.4	1810.0	1956.1	1985.6	2000.9	2195.3	2412.2	2376.8
52.5°	33.0	55.4	826.0	1296.2	1470.6	1577.9	1767.6	1876.0	1887.8	1975.0	2270.8
55°	29.5	42.4	89.6	1196.1	1250.3	1273.8	1384.6	1574.3	1727.5	1773.5	1777.0
57.5°	25.9	38.9	61.3	540.9	1137.1	1141.9	1160.7	1226.7	1364.6	1490.7	1633.2
60°	23.6	34.2	48.3	93.1	1033.4	1045.2	1048.8	1066.4	1082.9	1169.0	1332.8
62.5°	14.1	27.1	42.4	67.2	817.8	939.2	938.0	949.8	965.1	974.5	1007.5
65°	11.8	21.2	36.5	56.6	100.2	124.9	758.9	843.7	853.2	866.1	872.0
67.5°	10.6	18.9	27.1	44.8	75.4	86.0	99.0	122.6	669.3	754.2	766.0
70°	9.4	13.0	22.4	37.7	61.3	66.0	74.2	84.8	100.2	123.7	605.7
72.5°	5.9	9.4	15.3	27.1	47.1	53.0	57.7	64.8	71.9	86.0	99.0
75°	2.4	7.1	13.0	20.0	36.5	40.1	43.6	48.3	54.2	63.6	70.7
77.5°	2.4	5.9	10.6	14.1	23.6	27.1	31.8	35.4	40.1	44.8	51.8
80°	8.2	4.7	7.1	10.6	16.5	17.7	20.0	22.4	25.9	29.5	34.2
82.5°	5.9	7.1	8.2	7.1	8.2	10.6	11.8	14.1	15.3	17.7	18.9
85°	4.7	4.7	5.9	5.9	5.9	5.9	5.9	5.9	7.1	8.2	10.6
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7
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-LD5-70SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	3913.4	3911.1	3904.0	3904.0	3902.8	3907.5	3911.1	3914.6	3913.4	3920.5	3913.4
5°	3942.9	3937.0	3926.4	3917.0	3913.4	3915.8	3912.2	3915.8	3911.1	3917.0	3906.4
7.5°	4024.2	4004.2	3962.9	3946.4	3925.2	3924.0	3913.4	3911.1	3904.0	3904.0	3891.0
10°	4168.0	4071.3	4059.5	4010.0	3992.4	3906.4	3925.2	3893.4	3889.9	3874.5	3868.6
12.5°	4285.8	4210.4	4188.0	4144.4	4094.9	3920.5	3959.4	3891.0	3887.5	3856.9	3825.0
15°	4288.1	4331.7	4270.5	4150.3	4139.7	4019.5	3940.5	3917.0	3886.3	3794.4	3809.7
17.5°	4150.3	4250.4	4279.9	4254.0	4178.6	4097.2	3986.5	3939.3	3847.4	3806.2	3777.9
20°	3926.4	4027.7	4153.8	4162.1	4209.2	4151.5	4006.5	3929.9	3819.2	3747.3	3723.7
22.5°	3748.4	3822.7	3967.6	4034.8	4092.5	4112.6	4020.7	3907.5	3769.7	3700.1	3686.0
25°	3654.2	3670.7	3714.3	3793.2	3920.5	4012.4	4025.4	3905.2	3833.3	3681.3	3601.1
27.5°	3620.0	3605.9	3588.2	3628.3	3723.7	3835.6	3909.9	3929.9	3750.8	3605.9	3525.7
30°	3532.8	3541.1	3513.9	3499.8	3562.3	3677.7	3809.7	3842.7	3704.8	3555.2	3463.3
32.5°	3425.6	3439.7	3444.4	3419.7	3406.7	3486.8	3629.4	3708.4	3701.3	3483.3	3380.8
35°	3291.2	3331.3	3341.9	3343.1	3321.9	3308.9	3391.4	3555.2	3617.6	3450.3	3301.8
37.5°	3149.8	3161.6	3219.4	3234.7	3234.7	3195.8	3257.1	3387.9	3475.1	3376.1	3205.2
40°	2973.1	3010.8	3065.0	3092.1	3119.2	3122.7	3088.6	3180.5	3324.2	3299.5	3114.5
42.5°	2844.6	2869.4	2902.4	2938.9	2994.3	3008.4	2973.1	2989.6	3139.2	3204.0	2996.6
45°	2695.0	2728.0	2737.4	2777.5	2835.2	2876.4	2875.3	2841.1	2961.3	3041.4	2910.6
47.5°	2541.8	2573.6	2590.1	2610.1	2652.5	2705.6	2735.0	2719.7	2743.3	2900.0	2796.3
50°	2383.9	2401.6	2434.5	2456.9	2485.2	2515.9	2586.6	2600.7	2567.7	2692.6	2670.2
52.5°	2234.2	2240.1	2262.5	2284.9	2322.6	2345.0	2401.6	2444.0	2441.6	2478.1	2530.0
55°	2117.6	2091.6	2096.3	2114.0	2138.8	2172.9	2204.8	2270.8	2293.1	2300.2	2382.7
57.5°	1654.5	1920.8	1944.3	1943.2	1972.6	1987.9	2017.4	2061.0	2141.1	2123.5	2215.4
60°	1503.6	1533.1	1755.8	1781.7	1792.3	1806.5	1841.8	1881.9	1940.8	1978.5	2018.6
62.5°	1146.6	1325.7	1392.9	1589.6	1620.3	1628.5	1652.1	1671.0	1732.2	1818.3	1801.8
65°	887.3	963.9	1169.0	1249.1	1416.4	1437.6	1470.6	1490.7	1508.3	1607.3	1612.0
67.5°	767.1	778.9	834.3	988.7	1094.7	1258.5	1278.5	1296.2	1323.3	1394.0	1437.6
70°	655.2	669.3	684.6	697.6	835.5	943.9	1095.9	1101.8	1119.5	1166.6	1265.6
72.5°	123.7	559.7	569.2	577.4	592.7	664.6	809.6	927.4	934.5	956.8	1047.6
75°	83.7	97.8	134.3	461.9	477.2	482.0	506.7	654.0	762.4	767.1	807.2
77.5°	60.1	67.2	81.3	96.6	246.3	370.0	375.9	403.0	515.0	596.3	603.3
80°	41.2	46.0	54.2	61.3	75.4	99.0	273.4	281.6	295.8	407.7	428.9
82.5°	23.6	27.1	31.8	38.9	44.8	56.6	73.1	94.3	192.1	205.0	272.2
85°	11.8	13.0	15.3	18.9	22.4	27.1	36.5	44.8	61.3	110.8	114.3
87.5°	5.9	5.9	5.9	5.9	9.4	10.6	13.0	16.5	21.2	31.8	41.2
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-LD5-70SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	3914.6	3931.1	3945.2	3948.8	3948.8	3951.1	3954.7	3957.0	3959.4	3961.7	3959.4
5°	3907.5	3925.2	3937.0	3940.5	3940.5	3947.6	3953.5	3960.6	3964.1	3964.1	3961.7
7.5°	3889.9	3902.8	3918.1	3927.6	3928.7	3940.5	3951.1	3950.0	3954.7	3957.0	3962.9
10°	3866.3	3866.3	3892.2	3899.3	3905.2	3918.1	3921.7	3928.7	3945.2	3947.6	3962.9
12.5°	3854.5	3842.7	3873.4	3876.9	3896.9	3880.4	3901.6	3908.7	3892.2	3914.6	3885.1
15°	3801.5	3815.6	3810.9	3821.5	3856.9	3838.0	3895.7	3876.9	3919.3	3868.6	3958.2
17.5°	3757.9	3755.5	3774.4	3783.8	3790.9	3830.9	3846.3	3867.5	3884.0	3869.8	3905.2
20°	3726.1	3707.2	3721.3	3731.9	3756.7	3787.3	3796.8	3764.9	3820.3	3914.6	3937.0
22.5°	3666.0	3653.0	3669.5	3669.5	3707.2	3702.5	3737.8	3717.8	3769.7	3879.2	3993.6
25°	3584.7	3585.8	3603.5	3624.7	3631.8	3684.8	3703.7	3729.6	3794.4	3925.2	3994.7
27.5°	3502.2	3495.1	3505.7	3549.3	3585.8	3624.7	3630.6	3719.0	3807.4	3896.9	3958.2
30°	3419.7	3412.6	3419.7	3451.5	3495.1	3521.0	3585.8	3703.7	3786.2	3847.4	3905.2
32.5°	3331.3	3324.2	3340.7	3364.3	3440.9	3444.4	3572.9	3683.6	3748.4	3793.2	3782.6
35°	3237.0	3227.6	3242.9	3279.4	3350.2	3376.1	3510.4	3592.9	3666.0	3687.2	3637.7
37.5°	3123.9	3107.4	3126.3	3176.9	3251.2	3326.6	3438.5	3534.0	3572.9	3516.3	3457.4
40°	3006.1	2994.3	3027.3	3053.2	3140.4	3245.3	3373.7	3440.9	3416.1	3351.3	3286.5
42.5°	2901.2	2876.4	2905.9	2955.4	3054.4	3173.4	3277.1	3314.8	3255.9	3160.4	3085.0
45°	2772.7	2743.3	2778.6	2844.6	2950.7	3086.2	3167.5	3154.5	3054.4	2971.9	2868.2
47.5°	2638.4	2603.1	2638.4	2717.4	2836.4	2980.1	3039.1	2980.1	2854.1	2750.4	2666.7
50°	2506.4	2465.2	2499.4	2618.4	2735.0	2845.8	2844.6	2730.3	2654.9	2541.8	2468.7
52.5°	2375.6	2316.7	2350.9	2480.5	2597.2	2723.3	2630.2	2524.1	2433.4	2334.4	2310.8
55°	2214.2	2150.6	2196.5	2385.1	2474.6	2548.8	2400.4	2307.3	2217.7	2168.2	2138.8
57.5°	2061.0	1991.5	2031.5	2254.3	2320.2	2339.1	2202.4	2070.4	2017.4	2000.9	1958.5
60°	1903.1	1824.1	1861.9	2118.7	2164.7	2088.1	1953.8	1851.2	1840.6	1807.6	1774.6
62.5°	1752.3	1665.1	1688.6	1950.2	1971.4	1832.4	1708.7	1681.6	1655.6	1622.6	1605.0
65°	1579.0	1488.3	1521.3	1771.1	1751.1	1572.0	1502.4	1496.6	1462.4	1435.3	1461.2
67.5°	1420.0	1312.7	1358.7	1575.5	1484.8	1338.6	1310.4	1296.2	1269.1	1284.4	1012.2
70°	1245.6	1128.9	1191.3	1364.6	1230.2	1133.6	1123.0	1101.8	1103.0	876.7	738.8
72.5°	1051.1	949.8	1040.5	1133.6	973.3	945.1	929.7	927.4	748.3	608.0	573.9
75°	880.3	777.7	875.5	910.9	775.4	756.5	755.3	624.5	491.4	469.0	458.4
77.5°	687.0	608.0	701.1	648.1	595.1	573.9	515.0	386.5	370.0	354.7	133.2
80°	463.1	469.0	523.2	446.6	424.2	361.8	285.2	273.4	235.7	94.3	74.2
82.5°	281.6	353.5	333.5	279.3	273.4	196.8	180.3	91.9	68.3	54.2	47.1
85°	146.1	179.1	172.0	152.0	113.1	101.3	56.6	43.6	35.4	27.1	22.4
87.5°	49.5	66.0	63.6	50.7	38.9	30.6	20.0	16.5	11.8	9.4	8.2
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-LD5-70SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	3957.0	3957.0	3954.7	3957.0	3958.2	3955.8	3955.8	3958.2	3959.4	3960.6	3966.4
5°	3962.9	3965.3	3968.8	3975.9	3977.1	3991.2	3997.1	4000.6	4004.2	4005.3	3997.1
7.5°	3975.9	3984.1	3991.2	3990.0	3981.8	3959.4	3952.3	3946.4	3957.0	3984.1	4015.9
10°	3987.7	3950.0	3879.2	3975.9	3946.4	3973.5	4053.6	4071.3	4125.5	4202.1	4224.5
12.5°	3906.4	4010.0	4032.4	3924.0	4124.4	4050.1	4138.5	4216.3	4238.7	4316.4	4269.3
15°	3993.6	4044.2	4078.4	4186.8	4175.0	4238.7	4263.4	4248.1	4251.6	4271.7	4324.7
17.5°	3992.4	4093.7	4116.1	4189.2	4238.7	4239.8	4232.8	4225.7	4244.5	4259.9	4228.1
20°	4060.7	4093.7	4137.3	4166.8	4176.2	4188.0	4210.4	4192.7	4157.3	4123.2	4109.0
22.5°	4026.5	4100.8	4138.5	4143.2	4137.3	4100.8	4067.8	4018.3	4001.8	3984.1	3990.0
25°	4033.6	4067.8	4063.1	4044.2	4019.5	3951.1	3934.6	3913.4	3881.6	3805.0	3735.5
27.5°	3982.9	3965.3	3944.1	3898.1	3853.3	3816.8	3775.5	3707.2	3650.6	3568.2	3537.5
30°	3898.1	3827.4	3775.5	3748.4	3704.8	3643.6	3581.1	3497.5	3425.6	3409.1	3393.8
32.5°	3735.5	3666.0	3623.5	3557.5	3483.3	3410.2	3338.4	3305.4	3290.1	3292.4	3278.3
35°	3569.3	3508.1	3444.4	3345.4	3290.1	3217.0	3191.1	3184.0	3169.9	3154.5	3138.0
37.5°	3392.6	3320.7	3225.2	3166.3	3110.9	3081.5	3068.5	3057.9	3033.2	3006.1	2987.2
40°	3221.7	3092.1	3039.1	2981.3	2964.8	2951.9	2933.0	2907.1	2872.9	2868.2	2859.9
42.5°	2993.1	2900.0	2854.1	2842.3	2822.2	2799.8	2783.3	2755.1	2740.9	2750.4	2757.4
45°	2776.3	2729.1	2713.8	2699.7	2662.0	2630.2	2619.6	2610.1	2621.9	2673.8	2550.0
47.5°	2600.7	2581.8	2563.0	2539.4	2504.1	2480.5	2491.1	2500.5	2511.1	2130.5	1944.3
50°	2448.7	2422.8	2393.3	2367.4	2346.2	2343.8	2399.2	2233.0	1870.1	1860.7	1672.1
52.5°	2282.5	2243.6	2226.0	2210.7	2220.1	2255.4	1866.6	1732.2	1661.5	1443.5	1346.9
55°	2103.4	2069.2	2069.2	2083.4	2032.7	1647.4	1627.4	1407.0	1273.8	1236.1	1220.8
57.5°	1924.3	1920.8	1940.8	1774.6	1495.4	1434.1	1205.5	1157.2	1136.0	1131.3	1106.5
60°	1760.5	1793.5	1501.3	1381.1	1200.8	1082.9	1049.9	1044.1	1021.7	1013.4	991.0
62.5°	1629.7	1351.6	1258.5	1027.6	967.5	952.1	934.5	926.2	906.2	800.1	234.5
65°	1177.2	1112.4	902.6	863.8	859.0	836.7	829.6	745.9	175.6	117.8	100.2
67.5°	888.5	788.3	761.2	754.2	731.8	687.0	203.9	116.7	100.2	87.2	76.6
70°	682.3	664.6	644.6	628.1	185.0	115.5	100.2	84.8	73.1	64.8	58.9
72.5°	558.6	546.8	318.2	121.4	99.0	83.7	74.2	64.8	56.6	51.8	47.1
75°	437.2	121.4	100.2	83.7	71.9	61.3	54.2	48.3	43.6	40.1	36.5
77.5°	99.0	80.1	68.3	57.7	51.8	46.0	41.2	35.4	31.8	28.3	23.6
80°	61.3	53.0	44.8	41.2	35.4	29.5	25.9	23.6	18.9	17.7	15.3
82.5°	40.1	31.8	28.3	23.6	18.9	17.7	15.3	11.8	10.6	9.4	8.2
85°	17.7	15.3	13.0	10.6	8.2	7.1	5.9	4.7	4.7	4.7	4.7
87.5°	5.9	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4
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-LD5-70SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	3968.8	3990.0	4010.0	4004.2	3982.9	3950.0	3940.5	3927.6	3937.0	3957.0	3965.3
5°	3997.1	3985.3	4027.7	4090.2	4191.5	4200.9	4271.7	4288.1	4344.7	4380.1	4378.9
7.5°	4037.2	4204.5	4274.0	4349.4	4383.6	4375.3	4386.0	4377.7	4364.7	4358.9	4351.8
10°	4241.0	4368.3	4394.2	4394.2	4341.2	4269.3	4238.7	4185.6	4079.6	4081.9	4064.3
12.5°	4360.0	4404.8	4343.5	4291.7	4078.4	3995.9	3906.4	3863.9	3839.2	3801.5	3815.6
15°	4297.6	4233.9	4197.4	4030.1	3899.3	3750.8	3753.2	3727.2	3700.1	3702.5	3684.8
17.5°	4205.7	4155.0	3895.7	3780.3	3716.6	3658.9	3648.3	3614.1	3596.4	3590.5	3589.4
20°	4079.6	3896.9	3703.7	3675.4	3598.8	3532.8	3522.2	3532.8	3587.0	3490.4	3162.8
22.5°	3932.3	3669.5	3612.9	3532.8	3481.0	3455.0	3519.8	3225.2	2779.8	2834.0	2776.3
25°	3682.5	3568.2	3471.5	3410.2	3404.4	3245.3	2704.4	2647.8	2361.5	2208.3	2036.3
27.5°	3499.8	3450.3	3349.0	3338.4	3261.8	2653.7	2372.1	2061.0	1946.7	1929.0	1891.3
30°	3389.0	3318.3	3257.1	2989.6	2603.1	2136.4	1903.1	1859.5	1839.5	1818.3	1785.3
32.5°	3255.9	3188.7	3218.2	2513.5	2075.1	1839.5	1792.3	1760.5	1724.0	1709.8	1590.8
35°	3120.4	3089.7	2514.7	2112.8	1784.1	1727.5	1692.2	1659.2	1319.8	319.3	108.4
37.5°	2975.4	2968.4	2260.1	1753.4	1671.0	1617.9	1517.8	313.5	74.2	50.7	37.7
40°	2862.3	2261.3	1786.4	1643.8	1576.7	1493.0	209.8	51.8	33.0	20.0	13.0
42.5°	2786.9	2033.9	1599.1	1542.5	1396.4	154.4	53.0	22.4	13.0	10.6	8.2
45°	2148.2	1606.1	1494.2	1435.3	176.8	53.0	30.6	10.6	8.2	7.1	4.7
47.5°	1982.0	1458.8	1392.9	313.5	58.9	28.3	21.2	7.1	4.7	4.7	4.7
50°	1501.3	1348.1	1108.9	76.6	37.7	20.0	15.3	4.7	4.7	4.7	3.5
52.5°	1316.3	1244.4	119.0	50.7	29.5	15.3	9.4	3.5	3.5	3.5	3.5
55°	1203.1	789.5	70.7	38.9	24.7	14.1	5.9	3.5	3.5	3.5	2.4
57.5°	1100.6	106.1	51.8	33.0	22.4	13.0	3.5	3.5	3.5	3.5	2.4
60°	933.3	76.6	42.4	29.5	21.2	11.8	3.5	3.5	3.5	3.5	3.5
62.5°	121.4	60.1	36.5	25.9	15.3	9.4	2.4	3.5	3.5	3.5	3.5
65°	88.4	47.1	33.0	17.7	9.4	3.5	2.4	3.5	3.5	3.5	3.5
67.5°	68.3	38.9	24.7	15.3	8.2	2.4	2.4	3.5	3.5	3.5	3.5
70°	54.2	33.0	20.0	13.0	7.1	2.4	2.4	3.5	3.5	3.5	3.5
72.5°	42.4	23.6	14.1	7.1	4.7	2.4	2.4	3.5	3.5	3.5	3.5
75°	31.8	18.9	10.6	5.9	2.4	2.4	2.4	3.5	3.5	3.5	3.5
77.5°	21.2	11.8	8.2	4.7	4.7	4.7	5.9	5.9	3.5	3.5	3.5
80°	14.1	8.2	5.9	5.9	5.9	4.7	5.9	5.9	3.5	5.9	3.5
82.5°	7.1	5.9	5.9	4.7	4.7	3.5	4.7	4.7	4.7	4.7	3.5
85°	4.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	3.5
87.5°	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	4.7	4.7	3.5
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	3954.7	3958.2	3948.8	3999.4	3973.5	3975.9	3986.5	3959.4	3965.3	3946.4	3933.5
5°	4383.6	4390.7	4397.7	4400.1	4404.8	4410.7	4403.6	4400.1	4393.0	4369.5	4344.7
7.5°	4316.4	4308.2	4304.6	4309.4	4317.6	4321.1	4315.3	4323.5	4354.1	4367.1	4375.3
10°	3962.9	3925.2	3951.1	3947.6	3918.1	4017.1	3990.0	4005.3	4015.9	4124.4	4190.3
12.5°	3794.4	3818.0	3773.2	3750.8	3780.3	3800.3	3820.3	3777.9	3836.8	3809.7	3896.9
15°	3653.0	3638.9	3634.1	3635.3	3629.4	3657.7	3664.8	3674.2	3682.5	3719.0	3733.1
17.5°	3589.4	3612.9	3622.4	3629.4	3617.6	3604.7	3591.7	3572.9	3578.8	3569.3	3596.4
20°	2942.4	2863.5	2858.8	2904.7	2854.1	2882.3	2950.7	3407.9	3392.6	3570.5	3510.4
22.5°	2455.8	2381.5	2317.9	2262.5	2341.5	2374.4	2501.7	2645.5	2878.8	2842.3	3095.6
25°	2005.6	1978.5	1962.0	1953.8	1959.7	1957.3	1985.6	2052.7	2158.8	2408.6	2731.5
27.5°	1876.0	1863.0	1857.1	1838.3	1852.4	1847.7	1870.1	1884.2	1916.1	1940.8	2045.7
30°	1773.5	1758.2	1747.5	1727.5	1741.7	1742.8	1749.9	1786.4	1799.4	1820.6	1853.6
32.5°	648.1	381.8	358.2	340.6	372.4	485.5	852.0	1489.5	1699.2	1715.7	1753.4
35°	63.6	53.0	47.1	47.1	48.3	53.0	70.7	186.2	340.6	1316.3	1647.4
37.5°	24.7	21.2	17.7	16.5	17.7	20.0	27.1	35.4	48.3	100.2	446.6
40°	10.6	9.4	8.2	8.2	8.2	8.2	9.4	11.8	17.7	33.0	51.8
42.5°	7.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	8.2	10.6	21.2
45°	4.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	5.9	9.4
47.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7
50°	3.5	3.5	3.5	3.5	2.4	3.5	2.4	3.5	3.5	3.5	3.5
52.5°	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5
55°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5
57.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	2.4
65°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	2.4
67.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
70°	3.5	3.5	2.4	3.5	2.4	2.4	3.5	3.5	3.5	2.4	2.4
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.1	7.1	4.7
75°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.9	7.1	5.9
77.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.9	5.9	5.9
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	3911.1	3909.9	3934.6	3953.5	3946.4	3953.5	3961.7	3962.9	3965.3	3955.8	3952.3
5°	4297.6	4261.0	4190.3	4139.7	4080.8	3973.5	3920.5	3926.4	3927.6	3924.0	3928.7
7.5°	4371.8	4368.3	4343.5	4332.9	4292.9	4216.3	4093.7	4072.5	4020.7	3987.7	3960.6
10°	4185.6	4270.5	4292.9	4330.6	4354.1	4340.0	4236.3	4221.0	4188.0	4150.3	4158.5
12.5°	3984.1	4053.6	4057.2	4262.2	4308.2	4312.9	4272.8	4294.0	4298.8	4213.9	4164.4
15°	3736.7	3769.7	3839.2	4030.1	4169.1	4256.3	4282.3	4294.0	4236.3	4232.8	4212.7
17.5°	3628.3	3649.5	3681.3	3788.5	3999.4	4127.9	4237.5	4229.2	4251.6	4235.1	4184.4
20°	3491.6	3509.2	3565.8	3620.0	3723.7	3894.6	4099.6	4114.9	4144.4	4140.8	4155.0
22.5°	3489.2	3426.7	3436.2	3478.6	3587.0	3740.2	3958.2	4008.9	4027.7	4040.7	4056.0
25°	2768.0	3264.1	3354.9	3382.0	3452.7	3542.2	3799.1	3818.0	3853.3	3911.1	3953.5
27.5°	2398.0	2735.0	3098.0	3286.5	3331.3	3405.5	3558.7	3587.0	3707.2	3721.3	3787.3
30°	1892.5	2152.9	2695.0	3148.6	3222.9	3274.7	3383.1	3439.7	3491.6	3548.1	3617.6
32.5°	1780.5	1821.8	2122.3	2605.4	3182.8	3143.9	3224.1	3258.2	3314.8	3364.3	3415.0
35°	1678.0	1706.3	1769.9	2134.1	2592.4	3036.7	3090.9	3113.3	3145.1	3182.8	3219.4
37.5°	1570.8	1613.2	1656.8	1754.6	2398.0	2951.9	2950.7	2976.6	2995.5	3027.3	3057.9
40°	285.2	1481.2	1551.9	1615.6	1859.5	2354.4	2818.7	2830.5	2843.4	2863.5	2895.3
42.5°	46.0	247.5	1454.1	1515.4	1584.9	2108.1	2758.6	2710.3	2702.0	2716.2	2744.5
45°	23.6	60.1	292.2	1415.2	1477.7	1681.6	2255.4	2626.6	2618.4	2591.3	2597.2
47.5°	17.7	37.7	71.9	489.0	1383.4	1443.5	2081.0	2058.6	2215.4	2515.9	2469.9
50°	15.3	25.9	42.4	100.2	1222.0	1329.2	1602.6	1872.5	1954.9	1965.5	2326.1
52.5°	14.1	17.7	30.6	64.8	256.9	1229.1	1303.3	1397.6	1536.6	1834.7	1827.7
55°	13.0	16.5	25.9	43.6	89.6	1107.7	1184.3	1202.0	1231.4	1374.0	1562.5
57.5°	7.1	15.3	24.7	37.7	67.2	202.7	1074.7	1088.8	1112.4	1118.3	1185.5
60°	3.5	14.1	22.4	33.0	49.5	94.3	966.3	982.8	996.9	999.3	1020.5
62.5°	2.4	13.0	18.9	30.6	41.2	67.2	228.6	466.6	887.3	887.3	912.1
65°	2.4	9.4	11.8	20.0	37.7	55.4	96.6	111.9	218.0	536.2	800.1
67.5°	2.4	3.5	10.6	16.5	28.3	42.4	70.7	82.5	99.0	113.1	209.8
70°	2.4	2.4	9.4	10.6	17.7	31.8	50.7	57.7	67.2	76.6	88.4
72.5°	2.4	2.4	8.2	8.2	11.8	21.2	38.9	42.4	48.3	54.2	62.5
75°	5.9	4.7	7.1	7.1	8.2	16.5	29.5	33.0	35.4	40.1	46.0
77.5°	5.9	5.9	5.9	5.9	5.9	10.6	18.9	21.2	24.7	27.1	31.8
80°	4.7	4.7	4.7	5.9	5.9	7.1	11.8	13.0	14.1	17.7	18.9
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	8.2	10.6
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7	4.7
87.5°	3.5	3.5	3.5	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	3951.1	3944.1	3938.2	3941.7	3931.1	3926.4	3929.9	3931.1	3933.5	3939.3	3940.5
5°	3940.5	3938.2	3948.8	3954.7	3952.3	3954.7	3954.7	3950.0	3942.9	3947.6	3937.0
7.5°	3933.5	3918.1	3906.4	3908.7	3896.9	3911.1	3924.0	3942.9	3948.8	3948.8	3937.0
10°	4054.8	4038.3	3972.3	3927.6	3898.1	3872.2	3933.5	3871.0	3900.5	3788.5	3917.0
12.5°	4155.0	4177.4	4147.9	4025.4	4004.2	3926.4	3971.2	3894.6	3872.2	3743.7	3785.0
15°	4195.1	4152.6	4143.2	4109.0	4063.1	4040.7	3920.5	3907.5	3871.0	3885.1	3830.9
17.5°	4159.7	4180.9	4152.6	4130.2	4083.1	4030.1	3958.2	3894.6	3843.9	3730.8	3826.2
20°	4125.5	4153.8	4069.0	4083.1	4087.8	4026.5	3988.8	3935.8	3872.2	3766.1	3683.6
22.5°	4069.0	4048.9	4056.0	4034.8	4017.1	4025.4	3973.5	3937.0	3829.8	3781.4	3669.5
25°	3977.1	3970.0	3988.8	3986.5	3944.1	3929.9	3904.0	3865.1	3822.7	3744.9	3653.0
27.5°	3827.4	3863.9	3896.9	3912.2	3889.9	3852.1	3838.0	3815.6	3786.2	3707.2	3638.9
30°	3669.5	3710.7	3748.4	3781.4	3801.5	3785.0	3772.0	3759.1	3714.3	3662.4	3585.8
32.5°	3489.2	3543.4	3595.3	3635.3	3678.9	3691.9	3682.5	3671.9	3634.1	3587.0	3525.7
35°	3280.6	3354.9	3430.3	3502.2	3521.0	3551.7	3582.3	3564.6	3544.6	3497.5	3440.9
37.5°	3103.9	3156.9	3211.1	3301.8	3367.8	3406.7	3460.9	3468.0	3433.8	3411.4	3337.2
40°	2921.2	2969.5	3048.5	3101.5	3192.2	3237.0	3294.8	3320.7	3312.4	3299.5	3234.7
42.5°	2777.5	2801.0	2852.9	2900.0	2989.6	3081.5	3132.2	3160.4	3189.9	3179.3	3146.3
45°	2624.3	2645.5	2663.2	2704.4	2791.6	2872.9	2935.4	2977.8	3030.8	3055.6	3015.5
47.5°	2472.3	2478.1	2499.4	2533.5	2585.4	2647.8	2752.7	2816.3	2865.8	2914.1	2888.2
50°	2355.6	2334.4	2337.9	2359.1	2401.6	2462.8	2538.2	2627.8	2684.4	2743.3	2749.2
52.5°	2058.6	2230.7	2189.4	2201.2	2223.6	2253.1	2332.0	2420.4	2489.9	2540.6	2591.3
55°	1727.5	1761.7	2092.8	2045.7	2059.8	2085.7	2122.3	2210.7	2277.8	2348.5	2419.2
57.5°	1339.8	1594.4	1607.3	1913.7	1906.6	1909.0	1939.6	1990.3	2057.5	2145.8	2205.9
60°	1041.7	1148.9	1357.5	1463.6	1732.2	1741.7	1759.3	1788.8	1846.5	1930.2	2025.6
62.5°	919.1	933.3	1007.5	1166.6	1341.0	1551.9	1589.6	1594.4	1620.3	1703.9	1814.7
65°	807.2	816.6	839.0	855.5	1001.6	1205.5	1387.0	1416.4	1432.9	1482.4	1576.7
67.5°	556.2	703.5	723.5	735.3	749.5	843.7	1068.8	1218.5	1237.3	1280.9	1363.4
70°	107.2	222.7	609.2	622.2	629.3	650.5	687.0	925.0	1049.9	1091.2	1128.9
72.5°	73.1	86.0	103.7	245.1	518.5	530.3	538.5	569.2	780.1	900.3	920.3
75°	53.0	58.9	69.5	86.0	106.1	345.3	427.8	443.1	458.4	632.8	734.1
77.5°	37.7	42.4	47.1	55.4	64.8	83.7	120.2	331.1	346.4	354.7	500.8
80°	21.2	25.9	31.8	36.5	41.2	47.1	61.3	76.6	170.9	249.8	262.8
82.5°	11.8	14.1	16.5	20.0	22.4	28.3	34.2	41.2	54.2	80.1	169.7
85°	5.9	5.9	5.9	8.2	9.4	13.0	15.3	17.7	24.7	34.2	47.1
87.5°	3.5	3.5	4.7	4.7	4.7	5.9	5.9	5.9	7.1	10.6	15.3
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	3926.4	3926.4	3926.4	3926.4	3926.4
2.5°	3941.7	3938.2	3938.2	3952.3	3948.8
5°	3934.6	3931.1	3929.9	3945.2	3938.2
7.5°	3928.7	3915.8	3912.2	3926.4	3920.5
10°	3905.2	3895.7	3901.6	3896.9	3894.6
12.5°	3865.1	3859.2	3834.5	3836.8	3856.9
15°	3793.2	3816.8	3774.4	3812.1	3820.3
17.5°	3661.2	3714.3	3755.5	3777.9	3781.4
20°	3720.2	3737.8	3716.6	3717.8	3731.9
22.5°	3643.6	3651.8	3657.7	3650.6	3681.3
25°	3521.0	3489.2	3557.5	3571.7	3621.2
27.5°	3483.3	3457.4	3489.2	3486.8	3528.1
30°	3452.7	3369.0	3383.1	3405.5	3456.2
32.5°	3409.1	3277.1	3263.0	3312.4	3369.0
35°	3332.5	3207.6	3174.6	3206.4	3291.2
37.5°	3267.7	3110.9	3045.0	3087.4	3198.1
40°	3171.0	3035.5	2933.0	2970.7	3101.5
42.5°	3055.6	2970.7	2812.8	2838.7	2988.4
45°	2938.9	2863.5	2696.1	2709.1	2887.0
47.5°	2819.9	2750.4	2574.8	2577.1	2757.4
50°	2703.2	2611.3	2466.4	2425.1	2619.6
52.5°	2551.2	2466.4	2356.8	2289.6	2488.8
55°	2407.4	2312.0	2231.9	2128.2	2340.3
57.5°	2267.2	2161.2	2107.0	1973.8	2171.8
60°	2075.1	2024.5	1944.3	1817.1	2019.8
62.5°	1878.3	1861.9	1780.5	1648.6	1832.4
65°	1648.6	1687.4	1603.8	1490.7	1638.0
67.5°	1431.7	1501.3	1409.4	1339.8	1450.6
70°	1200.8	1280.9	1229.1	1204.3	1251.4
72.5°	973.3	1051.1	1055.8	1038.2	1053.5
75°	751.8	837.8	885.0	857.9	861.4
77.5°	570.3	611.6	663.4	684.6	679.9
80°	352.3	424.2	466.6	510.2	494.9
82.5°	177.9	238.0	289.9	337.0	314.6
85°	74.2	95.4	133.2	175.6	168.5
87.5°	22.4	37.7	40.1	56.6	53.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)