

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-LD5-85SL-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-LD5-85SL-RM-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

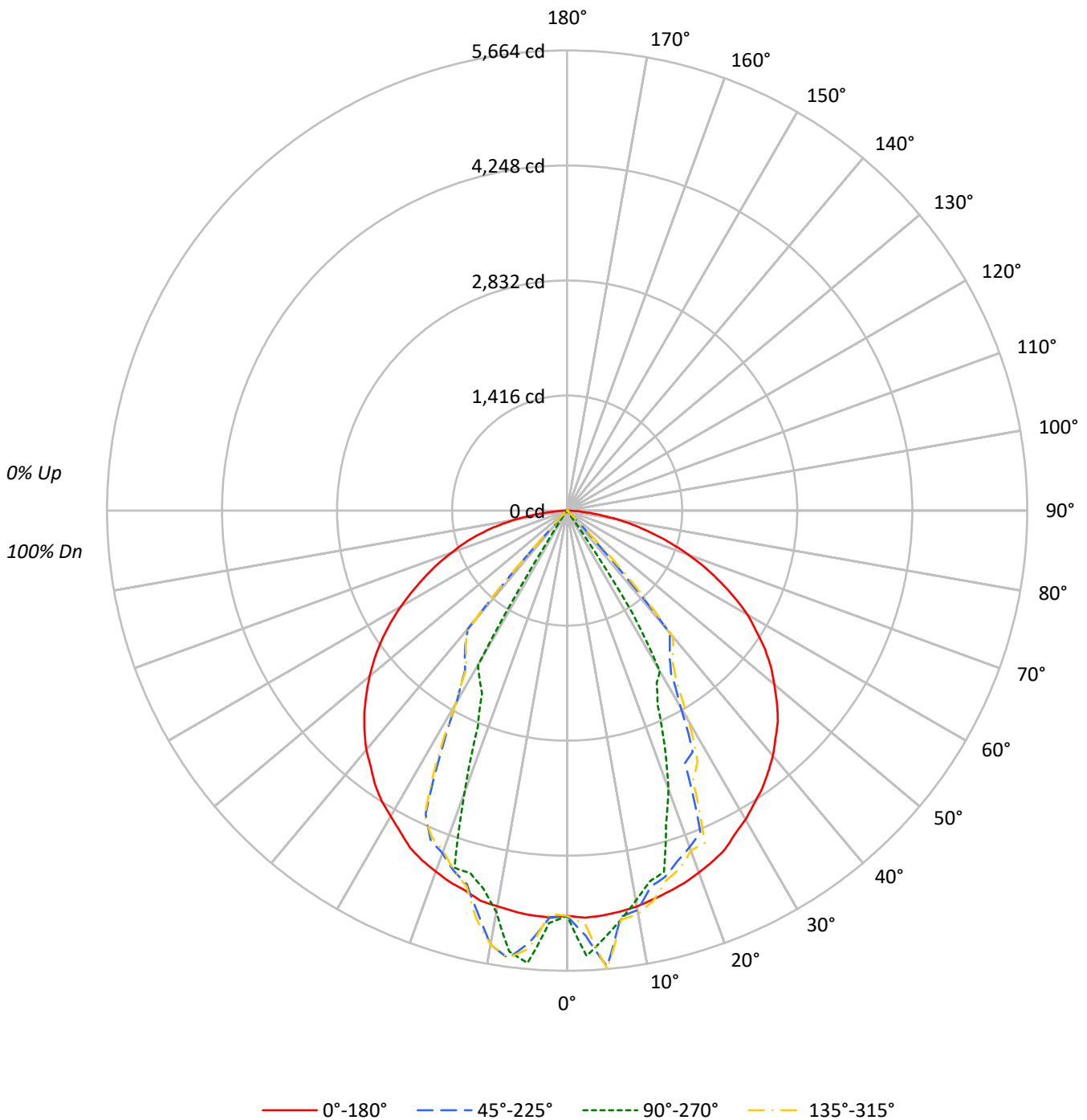
Lumens per Lamp: N/A
Luminaire Lumens: 7092.0 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 61
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°	20152	20152	20152	20152
5°	20263	20727	20256	21949
10°	20242	18755	20230	19297
15°	20215	17506	20165	17552
20°	20268	13789	20211	13958
25°	20359	9978	20260	9416
30°	20301	8753	20086	8415
35°	20399	193	20099	234
40°	20512	42	20021	42
45°	20634	25	19859	19
50°	20535	20	19592	20
55°	20485	14	19226	14
60°	20187	15	18609	15
65°	19248	24	17877	16
70°	18007	26	17143	26
75°	16141	29	16406	29
80°	13438	33	14205	33
85°	8422	39	8595	39



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.4	7.1
10°-20°	1364.9	19.2
20°-30°	1736.8	24.5
30°-40°	1467.1	20.7
40°-50°	959.2	13.5
50°-60°	604.4	8.5
60°-70°	321.7	4.5
70°-80°	117.3	1.7
80°-90°	20.2	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°	3602.1	50.8
0°-40°	5069.3	71.5
0°-60°	6632.8	93.5
0°-90°	7092.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7092.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4988	4988	4988	4988	4988	
5°	5003	5278	5001	5589	5003	476
15°	4853	4606	4841	4618	4853	1372
25°	4600	2630	4578	2482	4600	2115
35°	4181	49	4119	60	4181	2615
45°	3667	6	3530	4	3667	2820
55°	2973	3	2790	3	2973	2649
65°	2081	4	1932	3	2081	2061
75°	1094	4	1112	4	1094	1161
85°	214	4	218	4	214	271
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°	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	5016.1	5019.1	5020.6	5023.6	5028.0	5029.5	5032.5	5029.5	5029.5	5029.5	5029.5
5°	5002.6	5008.6	5013.1	5019.1	5029.5	5031.0	5043.0	5044.5	5050.5	5062.5	5071.5
7.5°	4980.1	4986.1	4995.1	5010.1	5025.0	5041.5	5062.5	5084.9	5116.4	5146.3	5183.7
10°	4947.2	4954.7	4965.2	4978.6	5052.0	5062.5	5108.9	5173.2	5191.2	5285.5	5355.9
12.5°	4899.3	4924.8	4951.7	4963.7	5034.0	5144.8	5300.5	5269.0	5234.6	5543.0	5538.5
15°	4852.9	4887.3	4873.9	4971.2	5035.5	5228.6	5162.8	5303.5	5560.9	5498.1	5501.1
17.5°	4803.5	4811.0	4885.8	4966.7	5081.9	5180.7	5261.6	5454.7	5505.5	5510.0	5454.7
20°	4740.6	4776.6	4885.8	4959.2	5153.8	5200.2	5375.3	5474.1	5453.2	5402.3	5308.0
22.5°	4676.3	4785.5	4896.3	4999.6	5135.8	5260.1	5346.9	5393.3	5284.0	5083.4	4975.6
25°	4599.9	4664.3	4809.5	4960.7	5131.3	5203.2	5254.1	5179.2	5037.0	4857.4	4676.3
27.5°	4481.7	4585.0	4770.6	4941.2	5095.4	5182.2	5099.9	4920.3	4691.2	4573.0	4490.7
30°	4390.4	4525.1	4677.8	4842.4	5002.6	5053.5	4843.9	4638.9	4481.7	4363.4	4345.5
32.5°	4279.6	4471.2	4616.4	4773.6	4908.3	4840.9	4637.4	4372.4	4242.2	4197.3	4215.2
35°	4180.8	4326.0	4516.1	4670.3	4767.6	4616.4	4294.6	4129.9	4067.0	4092.5	4059.6
37.5°	4062.5	4254.2	4429.3	4562.5	4529.6	4302.1	4029.6	3924.8	3932.3	3911.4	3848.5
40°	3939.8	4122.4	4305.0	4430.8	4315.5	3968.2	3787.1	3764.7	3769.2	3701.8	3612.0
42.5°	3796.1	3962.3	4144.9	4258.6	4010.2	3739.2	3616.5	3619.5	3580.6	3486.2	3438.3
45°	3667.4	3820.1	4010.2	4020.6	3715.3	3489.2	3453.3	3414.4	3327.6	3296.1	3260.2
47.5°	3502.7	3671.9	3829.0	3772.2	3426.4	3285.7	3258.7	3173.4	3130.0	3106.0	3076.1
50°	3327.6	3498.2	3641.9	3480.3	3153.9	3121.0	3032.7	2965.3	2935.4	2909.9	2883.0
52.5°	3161.4	3302.1	3448.8	3170.4	2944.4	2912.9	2812.6	2773.7	2743.8	2715.4	2709.4
55°	2972.8	3097.1	3197.3	2875.5	2743.8	2670.4	2598.6	2571.7	2543.2	2529.7	2552.2
57.5°	2758.8	2899.5	2884.5	2585.1	2526.7	2420.5	2393.5	2375.6	2354.6	2363.6	2176.5
60°	2565.7	2673.4	2600.1	2372.6	2273.8	2201.9	2178.0	2166.0	2178.0	1995.3	1754.4
62.5°	2327.7	2448.9	2300.7	2124.1	2019.3	1984.9	1963.9	1980.4	1805.2	1604.7	1546.3
65°	2080.7	2212.4	1993.9	1857.6	1791.8	1761.8	1760.3	1621.1	1449.0	1371.1	1371.1
67.5°	1842.7	1978.9	1697.5	1583.7	1558.3	1561.3	1474.4	1263.4	1215.5	1163.1	1011.9
70°	1589.7	1709.4	1402.6	1333.7	1318.8	1308.3	1097.2	1040.3	983.5	844.2	832.3
72.5°	1338.2	1396.6	1127.2	1110.7	1107.7	920.6	878.7	781.4	715.5	699.0	691.6
75°	1094.2	1076.3	890.6	905.6	763.4	697.5	630.2	573.3	564.3	558.3	139.2
77.5°	863.7	773.9	702.0	610.7	546.4	464.0	450.6	441.6	290.4	104.8	85.3
80°	628.7	501.5	467.0	396.7	338.3	324.8	332.3	101.8	80.8	67.4	58.4
82.5°	399.7	320.3	262.0	229.0	223.0	97.3	71.9	58.4	50.9	43.4	35.9
85°	214.1	142.2	131.7	110.8	65.9	44.9	37.4	28.4	24.0	19.5	18.0
87.5°	67.4	56.9	46.4	37.4	22.5	15.0	12.0	10.5	9.0	7.5	7.5
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°	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	5026.5	5029.5	5028.0	5032.5	5032.5	5038.5	5043.0	5047.5	5056.5	5061.0	5095.4
5°	5090.9	5098.4	5120.8	5141.8	5167.3	5174.7	5218.1	5228.6	5279.5	5285.5	5453.2
7.5°	5234.6	5263.1	5316.9	5370.8	5424.7	5459.1	5519.0	5556.4	5596.9	5632.8	5766.0
10°	5408.2	5456.2	5508.5	5562.4	5593.9	5659.7	5695.7	5701.6	5691.2	5632.8	5417.2
12.5°	5578.9	5626.8	5604.3	5614.8	5652.2	5535.5	5552.0	5468.1	5526.5	5237.6	5023.6
15°	5554.9	5552.0	5496.6	5316.9	5346.9	5123.8	5034.0	4965.2	5020.6	4990.6	4957.7
17.5°	5483.1	5346.9	5251.1	5035.5	4944.2	4881.3	4882.8	4884.3	4857.4	4885.8	4802.0
20°	5179.2	5026.5	4884.3	4808.0	4781.1	4736.1	4758.6	4736.1	4737.6	4746.6	4617.9
22.5°	4775.1	4728.7	4646.3	4670.3	4661.3	4701.7	4671.8	4625.4	4640.3	4573.0	4475.7
25°	4611.9	4558.0	4555.0	4564.0	4550.5	4532.6	4505.6	4435.3	4430.8	4409.8	4364.9
27.5°	4447.2	4450.2	4459.2	4432.3	4384.4	4348.5	4308.0	4273.6	4287.1	4263.1	4201.8
30°	4333.5	4332.0	4278.1	4254.2	4165.8	4167.3	4156.9	4135.9	4122.4	4123.9	4085.0
32.5°	4171.8	4125.4	4064.0	4034.1	4026.6	3999.7	3978.7	3983.2	3993.7	3956.3	3996.7
35°	4005.7	3909.9	3900.9	3875.4	3851.5	3833.5	3841.0	3811.1	3809.6	3805.1	3475.8
37.5°	3782.6	3736.2	3731.7	3704.8	3688.3	3683.8	3655.4	3659.9	3673.4	3697.3	2963.8
40°	3598.5	3556.6	3546.1	3544.6	3508.7	3505.7	3513.2	3541.6	3561.1	3411.4	2824.6
42.5°	3400.9	3403.9	3371.0	3350.0	3354.5	3368.0	3403.9	3305.1	2863.5	2728.8	2582.1
45°	3231.8	3216.8	3198.8	3192.9	3231.8	3204.8	2809.7	2592.6	2540.2	2534.2	2122.6
47.5°	3055.1	3050.7	3043.2	3047.7	2826.1	2519.3	2429.4	2401.0	2410.0	2404.0	1823.2
50°	2877.0	2883.0	2883.0	2517.8	2311.2	2260.3	2267.8	2293.2	2134.6	1992.4	1699.0
52.5°	2722.8	2676.4	2293.2	2161.5	2115.1	2137.6	2083.7	1884.6	1740.9	1657.1	1571.7
55°	2436.9	2095.6	2010.3	1989.4	2005.8	1806.7	1684.0	1555.3	1517.8	1508.9	1459.5
57.5°	1917.5	1848.7	1856.1	1772.3	1582.2	1469.9	1420.5	1402.6	1386.1	1374.1	119.8
60°	1696.0	1715.4	1570.2	1390.6	1314.3	1299.3	1287.3	1270.9	1267.9	1246.9	76.3
62.5°	1552.3	1365.2	1239.4	1194.5	1176.6	1172.1	1149.6	1142.1	970.0	133.2	56.9
65°	1170.6	1094.2	1070.3	1059.8	1040.3	1040.3	863.7	136.2	110.8	95.8	50.9
67.5°	955.0	949.0	937.1	923.6	628.7	131.7	115.3	100.3	86.8	76.3	44.9
70°	808.3	805.3	733.5	134.7	112.3	98.8	86.8	77.8	71.9	64.4	40.4
72.5°	663.1	134.7	113.8	98.8	85.3	77.8	70.4	62.9	56.9	52.4	32.9
75°	103.3	91.3	80.8	73.3	67.4	59.9	53.9	49.4	47.9	41.9	22.5
77.5°	74.8	64.4	58.4	52.4	46.4	41.9	35.9	31.4	28.4	24.0	16.5
80°	52.4	46.4	41.9	34.4	29.9	25.4	22.5	19.5	18.0	15.0	7.5
82.5°	29.9	25.4	22.5	18.0	16.5	13.5	12.0	10.5	10.5	7.5	7.5
85°	13.5	13.5	10.5	9.0	7.5	7.5	7.5	6.0	6.0	4.5	4.5
87.5°	6.0	6.0	6.0	6.0	6.0	4.5	4.5	4.5	4.5	4.5	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	5143.3	5162.8	5200.2	5239.1	5195.7	5351.4	5339.4	5391.8	5420.2	5433.7	5465.1
5°	5601.3	5688.2	5716.6	5631.3	5581.9	5531.0	5415.7	5328.9	5339.4	5311.0	5207.7
7.5°	5592.4	5406.8	5156.8	5043.0	5034.0	5020.6	5056.5	5077.4	5080.4	5078.9	5075.9
10°	5119.4	5023.6	5007.1	4992.1	4998.1	4942.7	4917.3	4845.4	4884.3	4863.4	4870.9
12.5°	4975.6	4953.2	4864.9	4742.1	4815.5	4760.1	4728.7	4749.6	4725.7	4703.2	4695.7
15°	4890.3	4745.1	4695.7	4665.8	4644.8	4632.9	4643.3	4619.4	4611.9	4607.4	4617.9
17.5°	4713.7	4655.3	4601.4	4522.1	4523.6	4519.1	4549.0	4593.9	4596.9	4366.4	4158.3
20°	4574.5	4526.6	4457.7	4408.3	4475.7	4355.9	3893.4	3673.4	3638.9	3638.9	3644.9
22.5°	4463.7	4357.4	4361.9	4284.1	3653.9	3525.2	3528.2	3541.6	3480.3	3270.7	3248.2
25°	4312.5	4296.1	3968.2	3429.4	3433.9	3333.6	3179.4	2962.3	2727.3	2727.3	2688.4
27.5°	4198.8	3850.0	3371.0	3348.5	3011.7	2799.2	2667.5	2468.4	2441.4	2416.0	2419.0
30°	4101.5	3257.2	3269.2	2799.2	2550.7	2374.1	2363.6	2330.7	2314.2	2309.7	2293.2
32.5°	3242.3	3171.9	2736.3	2383.0	2285.7	2257.3	2243.8	2206.4	2204.9	2176.5	1978.9
35°	3040.2	2784.2	2290.2	2194.4	2166.0	2139.1	2116.6	1420.5	167.7	67.4	58.4
37.5°	2809.7	2326.2	2118.1	2074.7	2047.7	1513.4	151.2	52.4	37.4	26.9	24.0
40°	2381.5	2077.7	2011.8	1963.9	809.8	52.4	32.9	25.4	15.0	13.5	12.0
42.5°	2008.8	1957.9	1887.6	574.8	59.9	25.4	16.5	12.0	10.5	10.5	9.0
45°	1880.1	1835.2	760.4	56.9	37.4	12.0	10.5	10.5	9.0	6.0	6.0
47.5°	1760.3	1549.3	68.9	35.9	24.0	10.5	9.0	6.0	6.0	6.0	4.5
50°	1633.1	85.3	47.9	26.9	15.0	6.0	6.0	6.0	6.0	4.5	4.5
52.5°	305.4	59.9	38.9	24.0	7.5	6.0	6.0	6.0	4.5	4.5	4.5
55°	71.9	47.9	35.9	21.0	6.0	6.0	6.0	4.5	4.5	4.5	3.0
57.5°	53.9	35.9	28.4	19.5	6.0	4.5	4.5	4.5	4.5	4.5	3.0
60°	44.9	25.4	22.5	18.0	4.5	4.5	4.5	4.5	4.5	4.5	3.0
62.5°	31.4	21.0	16.5	13.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
65°	25.4	16.5	13.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
67.5°	22.5	13.5	9.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	18.0	4.5	4.5	3.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	15.0	4.5	3.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	15.0	7.5	3.0	3.0	4.5	4.5	6.0	6.0	4.5	4.5	4.5
77.5°	10.5	7.5	3.0	3.0	4.5	4.5	6.0	6.0	4.5	4.5	4.5
80°	6.0	7.5	3.0	4.5	4.5	9.0	10.5	6.0	4.5	4.5	4.5
82.5°	6.0	7.5	9.0	9.0	4.5	7.5	9.0	7.5	6.0	4.5	4.5
85°	6.0	4.5	6.0	7.5	4.5	7.5	7.5	6.0	6.0	4.5	4.5
87.5°	3.0	4.5	4.5	6.0	6.0	6.0	7.5	6.0	6.0	6.0	4.5
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-LD5-85SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	5480.1	5486.1	5391.8	5358.9	5387.3	5381.3	5355.9	5261.6	5251.1	5188.2	5096.9
5°	5237.6	5278.0	5228.6	5313.9	5273.5	5313.9	5436.7	5493.6	5586.4	5643.3	5664.2
7.5°	5068.5	5077.4	5077.4	5084.9	5092.4	5093.9	5084.9	5078.9	5053.5	5022.1	5078.9
10°	4863.4	4873.9	4891.8	4888.8	4887.3	4918.8	4926.3	4990.6	4987.6	4999.6	5043.0
12.5°	4757.1	4676.3	4749.6	4730.2	4757.1	4715.2	4793.0	4779.6	4784.0	4820.0	4912.8
15°	4580.5	4605.9	4623.9	4623.9	4634.4	4625.4	4616.4	4677.8	4715.2	4716.7	4710.7
17.5°	4240.7	4047.6	4245.2	4194.3	4599.9	4610.4	4576.0	4547.5	4547.5	4570.0	4617.9
20°	3640.4	3644.9	3646.4	3665.9	3689.8	3688.3	3689.8	4279.6	4559.5	4495.1	4451.7
22.5°	3191.4	3136.0	3239.3	3231.8	3360.5	3502.7	3638.9	3625.5	3634.4	4050.6	4424.8
25°	2558.2	2630.0	2571.7	2597.1	2742.3	2911.4	3016.2	3290.2	3588.0	3567.1	3664.4
27.5°	2408.5	2389.0	2416.0	2416.0	2435.4	2457.9	2516.3	2670.4	2935.4	3213.8	3477.3
30°	2266.3	2282.8	2285.7	2312.7	2327.7	2342.6	2351.6	2410.0	2469.9	2663.0	2987.8
32.5°	1702.0	1492.4	1963.9	2091.2	2198.9	2224.4	2242.3	2266.3	2309.7	2338.1	2501.3
35°	49.4	49.4	52.4	59.9	76.3	514.9	1960.9	2161.5	2189.9	2225.9	2255.8
37.5°	24.0	18.0	21.0	22.5	26.9	37.4	53.9	167.7	1866.6	2110.6	2143.5
40°	10.5	10.5	10.5	10.5	12.0	15.0	22.5	37.4	56.9	1501.4	2025.3
42.5°	9.0	9.0	9.0	9.0	9.0	9.0	10.5	13.5	26.9	64.4	1062.8
45°	6.0	6.0	4.5	6.0	6.0	7.5	9.0	9.0	12.0	40.4	73.3
47.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	7.5	9.0	26.9	38.9
50°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	21.0	26.9
52.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	9.0	24.0
55°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	6.0	21.0
57.5°	3.0	3.0	3.0	3.0	3.0	4.5	3.0	3.0	4.5	4.5	19.5
60°	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5	4.5	4.5	18.0
62.5°	4.5	4.5	3.0	4.5	3.0	3.0	4.5	4.5	4.5	4.5	12.0
65°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.0	4.5
67.5°	4.5	4.5	4.5	4.5	3.0	4.5	3.0	4.5	4.5	3.0	3.0
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.0	3.0	3.0	3.0
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.0	3.0	3.0	3.0
75°	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0	3.0	3.0	3.0
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	7.5	9.0	7.5	7.5	3.0
80°	4.5	4.5	4.5	4.5	4.5	4.5	7.5	7.5	7.5	7.5	10.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0	6.0	7.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0	4.5	6.0
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0	4.5	4.5	4.5
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-LD5-85SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	5104.4	5053.5	5037.0	5002.6	4999.6	5002.6	4995.1	4984.6	4990.6	4980.1	4971.2
5°	5676.2	5540.0	5451.7	5333.4	5170.2	5134.3	5125.3	5074.4	5056.5	5050.5	5026.5
7.5°	5213.7	5462.1	5611.8	5662.7	5471.1	5426.2	5373.8	5331.9	5291.5	5215.2	5168.7
10°	5008.6	5020.6	5164.3	5331.9	5604.3	5641.8	5670.2	5578.9	5553.4	5358.9	5316.9
12.5°	4960.7	4962.2	4978.6	5080.4	5294.5	5318.4	5418.7	5472.6	5538.5	5575.9	5546.0
15°	4742.1	4863.4	4953.2	4962.2	4981.6	5023.6	5053.5	5240.6	5319.9	5532.5	5520.5
17.5°	4640.3	4679.3	4809.5	4915.8	4897.8	4882.8	4906.8	4932.2	5008.6	5221.1	5218.1
20°	4471.2	4595.4	4665.8	4776.6	4876.9	4881.3	4854.4	4839.4	4809.5	4843.9	4875.4
22.5°	4399.3	4418.8	4550.5	4628.4	4742.1	4782.6	4788.5	4790.0	4773.6	4755.6	4746.6
25°	4391.9	4330.5	4397.9	4495.1	4579.0	4622.4	4671.8	4688.2	4682.3	4682.3	4673.3
27.5°	3594.0	4311.0	4275.1	4339.5	4441.3	4471.2	4496.6	4547.5	4579.0	4601.4	4611.9
30°	3423.4	3552.1	4179.3	4188.3	4291.6	4288.6	4317.0	4358.9	4399.3	4451.7	4465.2
32.5°	3028.2	3344.0	3826.0	4037.1	4144.9	4155.4	4170.3	4182.3	4219.7	4278.1	4329.0
35°	2426.5	3046.2	3278.2	3965.3	3984.7	4005.7	4014.6	4043.1	4055.1	4079.0	4123.9
37.5°	2195.9	2517.8	3145.0	3429.4	3800.6	3818.6	3866.5	3878.4	3897.9	3917.4	3951.8
40°	2062.7	2151.0	2618.1	3062.6	3652.4	3664.4	3680.8	3710.8	3712.3	3734.7	3766.2
42.5°	1956.4	2013.3	2149.5	2924.9	3547.6	3546.1	3507.2	3526.7	3535.6	3559.6	3603.0
45°	1562.7	1889.1	1975.9	2389.0	2824.6	3028.2	3418.9	3354.5	3353.0	3362.0	3408.4
47.5°	79.3	1776.8	1838.2	1971.4	2667.5	2674.9	2725.8	3153.9	3219.8	3198.8	3203.3
50°	53.9	122.7	1712.4	1773.8	2299.2	2484.8	2522.3	2541.7	2788.7	3064.1	3019.2
52.5°	41.9	70.4	1049.3	1646.6	1868.1	2004.3	2245.3	2383.0	2398.0	2508.8	2884.5
55°	37.4	53.9	113.8	1519.3	1588.2	1618.1	1758.8	1999.8	2194.4	2252.8	2257.3
57.5°	32.9	49.4	77.8	687.1	1444.5	1450.5	1474.4	1558.3	1733.4	1893.6	2074.7
60°	29.9	43.4	61.4	118.3	1312.8	1327.7	1332.2	1354.7	1375.6	1484.9	1693.0
62.5°	18.0	34.4	53.9	85.3	1038.8	1193.0	1191.5	1206.5	1225.9	1237.9	1279.8
65°	15.0	26.9	46.4	71.9	127.2	158.7	964.0	1071.8	1083.7	1100.2	1107.7
67.5°	13.5	24.0	34.4	56.9	95.8	109.3	125.7	155.7	850.2	958.0	973.0
70°	12.0	16.5	28.4	47.9	77.8	83.8	94.3	107.8	127.2	157.2	769.4
72.5°	7.5	12.0	19.5	34.4	59.9	67.4	73.3	82.3	91.3	109.3	125.7
75°	3.0	9.0	16.5	25.4	46.4	50.9	55.4	61.4	68.9	80.8	89.8
77.5°	3.0	7.5	13.5	18.0	29.9	34.4	40.4	44.9	50.9	56.9	65.9
80°	10.5	6.0	9.0	13.5	21.0	22.5	25.4	28.4	32.9	37.4	43.4
82.5°	7.5	9.0	10.5	9.0	10.5	13.5	15.0	18.0	19.5	22.5	24.0
85°	6.0	6.0	7.5	7.5	7.5	7.5	7.5	7.5	9.0	10.5	13.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0
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-LD5-85SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	4971.2	4968.2	4959.2	4959.2	4957.7	4963.7	4968.2	4972.7	4971.2	4980.1	4971.2
5°	5008.6	5001.1	4987.6	4975.6	4971.2	4974.2	4969.7	4974.2	4968.2	4975.6	4962.2
7.5°	5111.9	5086.4	5034.0	5013.1	4986.1	4984.6	4971.2	4968.2	4959.2	4959.2	4942.7
10°	5294.5	5171.7	5156.8	5093.9	5071.5	4962.2	4986.1	4945.7	4941.2	4921.8	4914.3
12.5°	5444.2	5348.4	5319.9	5264.5	5201.7	4980.1	5029.5	4942.7	4938.2	4899.3	4858.9
15°	5447.2	5502.6	5424.7	5272.0	5258.6	5105.9	5005.6	4975.6	4936.7	4820.0	4839.4
17.5°	5272.0	5399.3	5436.7	5403.8	5308.0	5204.7	5064.0	5004.1	4887.3	4834.9	4799.0
20°	4987.6	5116.4	5276.5	5287.0	5346.9	5273.5	5089.4	4992.1	4851.4	4760.1	4730.2
22.5°	4761.6	4855.9	5040.0	5125.3	5198.7	5224.1	5107.4	4963.7	4788.5	4700.2	4682.3
25°	4641.8	4662.8	4718.2	4818.5	4980.1	5096.9	5113.4	4960.7	4869.4	4676.3	4574.5
27.5°	4598.4	4580.5	4558.0	4608.9	4730.2	4872.4	4966.7	4992.1	4764.6	4580.5	4478.7
30°	4487.7	4498.1	4463.7	4445.8	4525.1	4671.8	4839.4	4881.3	4706.2	4516.1	4399.3
32.5°	4351.4	4369.4	4375.4	4344.0	4327.5	4429.3	4610.4	4710.7	4701.7	4424.8	4294.6
35°	4180.8	4231.7	4245.2	4246.7	4219.7	4203.3	4308.0	4516.1	4595.4	4382.9	4194.3
37.5°	4001.2	4016.1	4089.5	4109.0	4109.0	4059.6	4137.4	4303.5	4414.3	4288.6	4071.5
40°	3776.6	3824.5	3893.4	3927.8	3962.3	3966.7	3923.3	4040.1	4222.7	4191.3	3956.3
42.5°	3613.5	3644.9	3686.8	3733.2	3803.6	3821.6	3776.6	3797.6	3987.7	4070.0	3806.6
45°	3423.4	3465.3	3477.3	3528.2	3601.5	3653.9	3652.4	3609.0	3761.7	3863.5	3697.3
47.5°	3228.8	3269.2	3290.2	3315.6	3369.5	3436.9	3474.3	3454.8	3484.8	3683.8	3552.1
50°	3028.2	3050.7	3092.6	3121.0	3156.9	3195.9	3285.7	3303.6	3261.7	3420.4	3391.9
52.5°	2838.1	2845.6	2874.0	2902.5	2950.4	2978.8	3050.7	3104.5	3101.5	3148.0	3213.8
55°	2689.9	2657.0	2663.0	2685.4	2716.8	2760.3	2800.7	2884.5	2912.9	2921.9	3026.7
57.5°	2101.6	2439.9	2469.9	2468.4	2505.8	2525.2	2562.7	2618.1	2719.8	2697.4	2814.1
60°	1910.0	1947.4	2230.4	2263.3	2276.8	2294.7	2339.6	2390.5	2465.4	2513.3	2564.2
62.5°	1456.5	1684.0	1769.3	2019.3	2058.2	2068.7	2098.6	2122.6	2200.4	2309.7	2288.7
65°	1127.2	1224.5	1484.9	1586.7	1799.3	1826.2	1868.1	1893.6	1916.0	2041.8	2047.7
67.5°	974.5	989.4	1059.8	1255.9	1390.6	1598.7	1624.1	1646.6	1681.0	1770.8	1826.2
70°	832.3	850.2	869.7	886.2	1061.3	1199.0	1392.1	1399.6	1422.0	1481.9	1607.7
72.5°	157.2	711.0	723.0	733.5	752.9	844.2	1028.4	1178.0	1187.0	1215.5	1330.7
75°	106.3	124.2	170.6	586.8	606.2	612.2	643.7	830.8	968.5	974.5	1025.4
77.5°	76.3	85.3	103.3	122.7	312.8	470.0	477.5	511.9	654.1	757.4	766.4
80°	52.4	58.4	68.9	77.8	95.8	125.7	347.3	357.8	375.7	517.9	544.9
82.5°	29.9	34.4	40.4	49.4	56.9	71.9	92.8	119.8	244.0	260.5	345.8
85°	15.0	16.5	19.5	24.0	28.4	34.4	46.4	56.9	77.8	140.7	145.2
87.5°	7.5	7.5	7.5	7.5	12.0	13.5	16.5	21.0	26.9	40.4	52.4
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-LD5-85SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	4972.7	4993.6	5011.6	5016.1	5016.1	5019.1	5023.6	5026.5	5029.5	5032.5	5029.5
5°	4963.7	4986.1	5001.1	5005.6	5005.6	5014.6	5022.1	5031.0	5035.5	5035.5	5032.5
7.5°	4941.2	4957.7	4977.1	4989.1	4990.6	5005.6	5019.1	5017.6	5023.6	5026.5	5034.0
10°	4911.3	4911.3	4944.2	4953.2	4960.7	4977.1	4981.6	4990.6	5011.6	5014.6	5034.0
12.5°	4896.3	4881.3	4920.3	4924.8	4950.2	4929.2	4956.2	4965.2	4944.2	4972.7	4935.2
15°	4829.0	4846.9	4840.9	4854.4	4899.3	4875.4	4948.7	4924.8	4978.6	4914.3	5028.0
17.5°	4773.6	4770.6	4794.5	4806.5	4815.5	4866.4	4885.8	4912.8	4933.7	4915.8	4960.7
20°	4733.2	4709.2	4727.2	4740.6	4772.1	4811.0	4823.0	4782.6	4852.9	4972.7	5001.1
22.5°	4656.8	4640.3	4661.3	4661.3	4709.2	4703.2	4748.1	4722.7	4788.5	4927.7	5072.9
25°	4553.5	4555.0	4577.5	4604.4	4613.4	4680.8	4704.7	4737.6	4820.0	4986.1	5074.4
27.5°	4448.7	4439.8	4453.2	4508.6	4555.0	4604.4	4611.9	4724.2	4836.4	4950.2	5028.0
30°	4344.0	4335.0	4344.0	4384.4	4439.8	4472.7	4555.0	4704.7	4809.5	4887.3	4960.7
32.5°	4231.7	4222.7	4243.7	4273.6	4370.9	4375.4	4538.6	4679.3	4761.6	4818.5	4805.0
35°	4111.9	4100.0	4119.4	4165.8	4255.6	4288.6	4459.2	4564.0	4656.8	4683.8	4620.9
37.5°	3968.2	3947.3	3971.2	4035.6	4129.9	4225.7	4367.9	4489.2	4538.6	4466.7	4391.9
40°	3818.6	3803.6	3845.5	3878.4	3989.2	4122.4	4285.6	4370.9	4339.5	4257.1	4174.8
42.5°	3685.3	3653.9	3691.3	3754.2	3879.9	4031.1	4162.8	4210.7	4135.9	4014.6	3918.8
45°	3522.2	3484.8	3529.7	3613.5	3748.2	3920.3	4023.6	4007.2	3879.9	3775.1	3643.4
47.5°	3351.5	3306.6	3351.5	3451.8	3603.0	3785.6	3860.5	3785.6	3625.5	3493.7	3387.5
50°	3183.9	3131.5	3174.9	3326.1	3474.3	3615.0	3613.5	3468.3	3372.5	3228.8	3136.0
52.5°	3017.7	2942.9	2986.3	3150.9	3299.1	3459.3	3341.1	3206.3	3091.1	2965.3	2935.4
55°	2812.6	2731.8	2790.2	3029.7	3143.5	3237.8	3049.2	2930.9	2817.1	2754.3	2716.8
57.5°	2618.1	2529.7	2580.6	2863.5	2947.4	2971.3	2797.7	2630.0	2562.7	2541.7	2487.8
60°	2417.5	2317.2	2365.1	2691.4	2749.8	2652.5	2481.8	2351.6	2338.1	2296.2	2254.3
62.5°	2225.9	2115.1	2145.0	2477.3	2504.3	2327.7	2170.5	2136.1	2103.1	2061.2	2038.8
65°	2005.8	1890.6	1932.5	2249.8	2224.4	1996.8	1908.5	1901.0	1857.6	1823.2	1856.1
67.5°	1803.7	1667.5	1725.9	2001.3	1886.1	1700.5	1664.5	1646.6	1612.1	1631.6	1285.8
70°	1582.2	1434.0	1513.4	1733.4	1562.7	1440.0	1426.5	1399.6	1401.1	1113.7	938.5
72.5°	1335.2	1206.5	1321.8	1440.0	1236.4	1200.5	1181.0	1178.0	950.5	772.4	729.0
75°	1118.2	987.9	1112.2	1157.1	985.0	961.0	959.5	793.3	624.2	595.8	582.3
77.5°	872.7	772.4	890.6	823.3	755.9	729.0	654.1	491.0	470.0	450.6	169.1
80°	588.3	595.8	664.6	567.3	538.9	459.5	362.2	347.3	299.4	119.8	94.3
82.5°	357.8	449.1	423.6	354.8	347.3	250.0	229.0	116.8	86.8	68.9	59.9
85°	185.6	227.5	218.5	193.1	143.7	128.7	71.9	55.4	44.9	34.4	28.4
87.5°	62.9	83.8	80.8	64.4	49.4	38.9	25.4	21.0	15.0	12.0	10.5
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-LD5-85SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	5026.5	5026.5	5023.6	5026.5	5028.0	5025.0	5025.0	5028.0	5029.5	5031.0	5038.5
5°	5034.0	5037.0	5041.5	5050.5	5052.0	5070.0	5077.4	5081.9	5086.4	5087.9	5077.4
7.5°	5050.5	5061.0	5070.0	5068.5	5058.0	5029.5	5020.6	5013.1	5026.5	5061.0	5101.4
10°	5065.5	5017.6	4927.7	5050.5	5013.1	5047.5	5149.3	5171.7	5240.6	5337.9	5366.3
12.5°	4962.2	5093.9	5122.3	4984.6	5239.1	5144.8	5257.1	5355.9	5384.3	5483.1	5423.2
15°	5072.9	5137.3	5180.7	5318.4	5303.5	5384.3	5415.7	5396.3	5400.8	5426.2	5493.6
17.5°	5071.5	5200.2	5228.6	5321.4	5384.3	5385.8	5376.8	5367.8	5391.8	5411.2	5370.8
20°	5158.3	5200.2	5255.6	5293.0	5305.0	5319.9	5348.4	5325.9	5281.0	5237.6	5219.6
22.5°	5114.9	5209.2	5257.1	5263.1	5255.6	5209.2	5167.3	5104.4	5083.4	5061.0	5068.5
25°	5123.8	5167.3	5161.3	5137.3	5105.9	5019.1	4998.1	4971.2	4930.7	4833.4	4745.1
27.5°	5059.5	5037.0	5010.1	4951.7	4894.8	4848.4	4796.0	4709.2	4637.4	4532.6	4493.7
30°	4951.7	4861.9	4796.0	4761.6	4706.2	4628.4	4549.0	4442.8	4351.4	4330.5	4311.0
32.5°	4745.1	4656.8	4602.9	4519.1	4424.8	4332.0	4240.7	4198.8	4179.3	4182.3	4164.3
35°	4534.1	4456.2	4375.4	4249.7	4179.3	4086.5	4053.6	4044.6	4026.6	4007.2	3986.2
37.5°	4309.5	4218.2	4097.0	4022.1	3951.8	3914.4	3897.9	3884.4	3853.0	3818.6	3794.6
40°	4092.5	3927.8	3860.5	3787.1	3766.2	3749.7	3725.7	3692.8	3649.4	3643.4	3632.9
42.5°	3802.1	3683.8	3625.5	3610.5	3585.0	3556.6	3535.6	3499.7	3481.8	3493.7	3502.7
45°	3526.7	3466.8	3447.3	3429.4	3381.5	3341.1	3327.6	3315.6	3330.6	3396.4	3239.3
47.5°	3303.6	3279.7	3255.7	3225.8	3180.9	3150.9	3164.4	3176.4	3189.9	2706.4	2469.9
50°	3110.5	3077.6	3040.2	3007.2	2980.3	2977.3	3047.7	2836.6	2375.6	2363.6	2124.1
52.5°	2899.5	2850.1	2827.6	2808.2	2820.1	2865.0	2371.1	2200.4	2110.6	1833.7	1710.9
55°	2671.9	2628.5	2628.5	2646.5	2582.1	2092.6	2067.2	1787.3	1618.1	1570.2	1550.8
57.5°	2444.4	2439.9	2465.4	2254.3	1899.5	1821.7	1531.3	1469.9	1443.0	1437.0	1405.6
60°	2236.3	2278.3	1907.0	1754.4	1525.3	1375.6	1333.7	1326.2	1297.8	1287.3	1258.9
62.5°	2070.2	1716.9	1598.7	1305.3	1228.9	1209.5	1187.0	1176.6	1151.1	1016.4	297.9
65°	1495.4	1413.1	1146.6	1097.2	1091.2	1062.8	1053.8	947.5	223.0	149.7	127.2
67.5°	1128.7	1001.4	967.0	958.0	929.6	872.7	259.0	148.2	127.2	110.8	97.3
70°	866.7	844.2	818.8	797.8	235.0	146.7	127.2	107.8	92.8	82.3	74.8
72.5°	709.5	694.6	404.2	154.2	125.7	106.3	94.3	82.3	71.9	65.9	59.9
75°	555.3	154.2	127.2	106.3	91.3	77.8	68.9	61.4	55.4	50.9	46.4
77.5°	125.7	101.8	86.8	73.3	65.9	58.4	52.4	44.9	40.4	35.9	29.9
80°	77.8	67.4	56.9	52.4	44.9	37.4	32.9	29.9	24.0	22.5	19.5
82.5°	50.9	40.4	35.9	29.9	24.0	22.5	19.5	15.0	13.5	12.0	10.5
85°	22.5	19.5	16.5	13.5	10.5	9.0	7.5	6.0	6.0	6.0	6.0
87.5°	7.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	5041.5	5068.5	5093.9	5086.4	5059.5	5017.6	5005.6	4989.1	5001.1	5026.5	5037.0
5°	5077.4	5062.5	5116.4	5195.7	5324.4	5336.4	5426.2	5447.2	5519.0	5563.9	5562.4
7.5°	5128.3	5340.9	5429.2	5525.0	5568.4	5557.9	5571.4	5560.9	5544.5	5537.0	5528.0
10°	5387.3	5549.0	5581.9	5581.9	5514.5	5423.2	5384.3	5316.9	5182.2	5185.2	5162.8
12.5°	5538.5	5595.4	5517.5	5451.7	5180.7	5075.9	4962.2	4908.3	4876.9	4829.0	4846.9
15°	5459.1	5378.3	5331.9	5119.4	4953.2	4764.6	4767.6	4734.7	4700.2	4703.2	4680.8
17.5°	5342.4	5278.0	4948.7	4802.0	4721.2	4647.8	4634.4	4591.0	4568.5	4561.0	4559.5
20°	5182.2	4950.2	4704.7	4668.8	4571.5	4487.7	4474.2	4487.7	4556.5	4433.8	4017.6
22.5°	4995.1	4661.3	4589.5	4487.7	4421.8	4388.9	4471.2	4097.0	3531.2	3600.0	3526.7
25°	4677.8	4532.6	4409.8	4332.0	4324.5	4122.4	3435.4	3363.5	2999.8	2805.2	2586.6
27.5°	4445.8	4382.9	4254.2	4240.7	4143.4	3371.0	3013.2	2618.1	2472.9	2450.4	2402.5
30°	4305.0	4215.2	4137.4	3797.6	3306.6	2713.9	2417.5	2362.1	2336.6	2309.7	2267.8
32.5°	4135.9	4050.6	4088.0	3192.9	2636.0	2336.6	2276.8	2236.3	2189.9	2172.0	2020.8
35°	3963.8	3924.8	3194.4	2683.9	2266.3	2194.4	2149.5	2107.6	1676.5	405.7	137.7
37.5°	3779.6	3770.7	2871.0	2227.4	2122.6	2055.2	1928.0	398.2	94.3	64.4	47.9
40°	3635.9	2872.5	2269.3	2088.2	2002.8	1896.6	266.4	65.9	41.9	25.4	16.5
42.5°	3540.1	2583.6	2031.3	1959.4	1773.8	196.1	67.4	28.4	16.5	13.5	10.5
45°	2728.8	2040.3	1898.1	1823.2	224.5	67.4	38.9	13.5	10.5	9.0	6.0
47.5°	2517.8	1853.1	1769.3	398.2	74.8	35.9	26.9	9.0	6.0	6.0	6.0
50°	1907.0	1712.4	1408.6	97.3	47.9	25.4	19.5	6.0	6.0	6.0	4.5
52.5°	1672.0	1580.7	151.2	64.4	37.4	19.5	12.0	4.5	4.5	4.5	4.5
55°	1528.3	1002.9	89.8	49.4	31.4	18.0	7.5	4.5	4.5	4.5	3.0
57.5°	1398.1	134.7	65.9	41.9	28.4	16.5	4.5	4.5	4.5	4.5	3.0
60°	1185.5	97.3	53.9	37.4	26.9	15.0	4.5	4.5	4.5	4.5	4.5
62.5°	154.2	76.3	46.4	32.9	19.5	12.0	3.0	4.5	4.5	4.5	4.5
65°	112.3	59.9	41.9	22.5	12.0	4.5	3.0	4.5	4.5	4.5	4.5
67.5°	86.8	49.4	31.4	19.5	10.5	3.0	3.0	4.5	4.5	4.5	4.5
70°	68.9	41.9	25.4	16.5	9.0	3.0	3.0	4.5	4.5	4.5	4.5
72.5°	53.9	29.9	18.0	9.0	6.0	3.0	3.0	4.5	4.5	4.5	4.5
75°	40.4	24.0	13.5	7.5	3.0	3.0	3.0	4.5	4.5	4.5	4.5
77.5°	26.9	15.0	10.5	6.0	6.0	6.0	7.5	7.5	4.5	4.5	4.5
80°	18.0	10.5	7.5	7.5	7.5	6.0	7.5	7.5	4.5	7.5	4.5
82.5°	9.0	7.5	7.5	6.0	6.0	4.5	6.0	6.0	6.0	6.0	4.5
85°	6.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0	4.5
87.5°	3.0	3.0	3.0	3.0	4.5	4.5	4.5	4.5	6.0	6.0	4.5
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-LD5-85SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	5023.6	5028.0	5016.1	5080.4	5047.5	5050.5	5064.0	5029.5	5037.0	5013.1	4996.6
5°	5568.4	5577.4	5586.4	5589.4	5595.4	5602.8	5593.9	5589.4	5580.4	5550.5	5519.0
7.5°	5483.1	5472.6	5468.1	5474.1	5484.6	5489.1	5481.6	5492.1	5531.0	5547.5	5557.9
10°	5034.0	4986.1	5019.1	5014.6	4977.1	5102.9	5068.5	5087.9	5101.4	5239.1	5322.9
12.5°	4820.0	4849.9	4793.0	4764.6	4802.0	4827.5	4852.9	4799.0	4873.9	4839.4	4950.2
15°	4640.3	4622.4	4616.4	4617.9	4610.4	4646.3	4655.3	4667.3	4677.8	4724.2	4742.1
17.5°	4559.5	4589.5	4601.4	4610.4	4595.4	4579.0	4562.5	4538.6	4546.0	4534.1	4568.5
20°	3737.7	3637.4	3631.4	3689.8	3625.5	3661.4	3748.2	4329.0	4309.5	4535.6	4459.2
22.5°	3119.5	3025.2	2944.4	2874.0	2974.3	3016.2	3177.9	3360.5	3656.9	3610.5	3932.3
25°	2547.7	2513.3	2492.3	2481.8	2489.3	2486.3	2522.3	2607.6	2742.3	3059.6	3469.8
27.5°	2383.0	2366.6	2359.1	2335.1	2353.1	2347.1	2375.6	2393.5	2433.9	2465.4	2598.6
30°	2252.8	2233.4	2219.9	2194.4	2212.4	2213.9	2222.9	2269.3	2285.7	2312.7	2354.6
32.5°	823.3	485.0	455.1	432.6	473.0	616.7	1082.2	1892.1	2158.5	2179.5	2227.4
35°	80.8	67.4	59.9	59.9	61.4	67.4	89.8	236.5	432.6	1672.0	2092.6
37.5°	31.4	26.9	22.5	21.0	22.5	25.4	34.4	44.9	61.4	127.2	567.3
40°	13.5	12.0	10.5	10.5	10.5	10.5	12.0	15.0	22.5	41.9	65.9
42.5°	9.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.5	13.5	26.9
45°	6.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0	7.5	12.0
47.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0
50°	4.5	4.5	4.5	4.5	3.0	4.5	3.0	4.5	4.5	4.5	4.5
52.5°	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5
55°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5
57.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
60°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
62.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	3.0
65°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	3.0
67.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
70°	4.5	4.5	3.0	4.5	3.0	3.0	4.5	4.5	4.5	3.0	3.0
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	9.0	9.0	6.0
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	7.5	9.0	7.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	7.5	7.5	7.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
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-LD5-85SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	4968.2	4966.7	4998.1	5022.1	5013.1	5022.1	5032.5	5034.0	5037.0	5025.0	5020.6
5°	5459.1	5412.7	5322.9	5258.6	5183.7	5047.5	4980.1	4987.6	4989.1	4984.6	4990.6
7.5°	5553.4	5549.0	5517.5	5504.1	5453.2	5355.9	5200.2	5173.2	5107.4	5065.5	5031.0
10°	5316.9	5424.7	5453.2	5501.1	5531.0	5513.0	5381.3	5361.8	5319.9	5272.0	5282.5
12.5°	5061.0	5149.3	5153.8	5414.2	5472.6	5478.6	5427.7	5454.7	5460.6	5352.9	5290.0
15°	4746.6	4788.5	4876.9	5119.4	5296.0	5406.8	5439.7	5454.7	5381.3	5376.8	5351.4
17.5°	4608.9	4635.9	4676.3	4812.5	5080.4	5243.6	5382.8	5372.3	5400.8	5379.8	5315.4
20°	4435.3	4457.7	4529.6	4598.4	4730.2	4947.2	5207.7	5227.1	5264.5	5260.1	5278.0
22.5°	4432.3	4352.9	4364.9	4418.8	4556.5	4751.1	5028.0	5092.4	5116.4	5132.8	5152.3
25°	3516.2	4146.4	4261.6	4296.1	4385.9	4499.6	4826.0	4849.9	4894.8	4968.2	5022.1
27.5°	3046.2	3474.3	3935.3	4174.8	4231.7	4326.0	4520.6	4556.5	4709.2	4727.2	4811.0
30°	2404.0	2734.8	3423.4	3999.7	4094.0	4159.8	4297.6	4369.4	4435.3	4507.1	4595.4
32.5°	2261.8	2314.2	2695.9	3309.6	4043.1	3993.7	4095.5	4138.9	4210.7	4273.6	4338.0
35°	2131.6	2167.5	2248.3	2710.9	3293.1	3857.5	3926.3	3954.8	3995.2	4043.1	4089.5
37.5°	1995.3	2049.2	2104.6	2228.9	3046.2	3749.7	3748.2	3781.1	3805.1	3845.5	3884.4
40°	362.2	1881.6	1971.4	2052.2	2362.1	2990.8	3580.6	3595.5	3612.0	3637.4	3677.8
42.5°	58.4	314.3	1847.2	1925.0	2013.3	2677.9	3504.2	3442.8	3432.4	3450.3	3486.2
45°	29.9	76.3	371.2	1797.8	1877.1	2136.1	2865.0	3336.6	3326.1	3291.7	3299.1
47.5°	22.5	47.9	91.3	621.2	1757.3	1833.7	2643.5	2615.1	2814.1	3195.9	3137.5
50°	19.5	32.9	53.9	127.2	1552.3	1688.5	2035.8	2378.6	2483.3	2496.8	2954.9
52.5°	18.0	22.5	38.9	82.3	326.3	1561.3	1655.6	1775.3	1951.9	2330.7	2321.7
55°	16.5	21.0	32.9	55.4	113.8	1407.1	1504.4	1526.8	1564.2	1745.4	1984.9
57.5°	9.0	19.5	31.4	47.9	85.3	257.5	1365.2	1383.1	1413.1	1420.5	1505.9
60°	4.5	18.0	28.4	41.9	62.9	119.8	1227.4	1248.4	1266.4	1269.4	1296.3
62.5°	3.0	16.5	24.0	38.9	52.4	85.3	290.4	592.8	1127.2	1127.2	1158.6
65°	3.0	12.0	15.0	25.4	47.9	70.4	122.7	142.2	276.9	681.1	1016.4
67.5°	3.0	4.5	13.5	21.0	35.9	53.9	89.8	104.8	125.7	143.7	266.4
70°	3.0	3.0	12.0	13.5	22.5	40.4	64.4	73.3	85.3	97.3	112.3
72.5°	3.0	3.0	10.5	10.5	15.0	26.9	49.4	53.9	61.4	68.9	79.3
75°	7.5	6.0	9.0	9.0	10.5	21.0	37.4	41.9	44.9	50.9	58.4
77.5°	7.5	7.5	7.5	7.5	7.5	13.5	24.0	26.9	31.4	34.4	40.4
80°	6.0	6.0	6.0	7.5	7.5	9.0	15.0	16.5	18.0	22.5	24.0
82.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	9.0	10.5	13.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0	6.0
87.5°	4.5	4.5	4.5	3.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5
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-LD5-85SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	5019.1	5010.1	5002.6	5007.1	4993.6	4987.6	4992.1	4993.6	4996.6	5004.1	5005.6
5°	5005.6	5002.6	5016.1	5023.6	5020.6	5023.6	5023.6	5017.6	5008.6	5014.6	5001.1
7.5°	4996.6	4977.1	4962.2	4965.2	4950.2	4968.2	4984.6	5008.6	5016.1	5016.1	5001.1
10°	5150.8	5129.8	5046.0	4989.1	4951.7	4918.8	4996.6	4917.3	4954.7	4812.5	4975.6
12.5°	5278.0	5306.5	5269.0	5113.4	5086.4	4987.6	5044.5	4947.2	4918.8	4755.6	4808.0
15°	5328.9	5275.0	5263.1	5219.6	5161.3	5132.8	4980.1	4963.7	4917.3	4935.2	4866.4
17.5°	5284.0	5311.0	5275.0	5246.6	5186.7	5119.4	5028.0	4947.2	4882.8	4739.1	4860.4
20°	5240.6	5276.5	5168.7	5186.7	5192.7	5114.9	5067.0	4999.6	4918.8	4784.0	4679.3
22.5°	5168.7	5143.3	5152.3	5125.3	5102.9	5113.4	5047.5	5001.1	4864.9	4803.5	4661.3
25°	5052.0	5043.0	5067.0	5064.0	5010.1	4992.1	4959.2	4909.8	4855.9	4757.1	4640.3
27.5°	4861.9	4908.3	4950.2	4969.7	4941.2	4893.3	4875.4	4846.9	4809.5	4709.2	4622.4
30°	4661.3	4713.7	4761.6	4803.5	4829.0	4808.0	4791.5	4775.1	4718.2	4652.3	4555.0
32.5°	4432.3	4501.1	4567.0	4617.9	4673.3	4689.7	4677.8	4664.3	4616.4	4556.5	4478.7
35°	4167.3	4261.6	4357.4	4448.7	4472.7	4511.6	4550.5	4528.1	4502.6	4442.8	4370.9
37.5°	3942.8	4010.2	4079.0	4194.3	4278.1	4327.5	4396.4	4405.3	4361.9	4333.5	4239.2
40°	3710.8	3772.2	3872.4	3939.8	4055.1	4111.9	4185.3	4218.2	4207.7	4191.3	4109.0
42.5°	3528.2	3558.1	3624.0	3683.8	3797.6	3914.4	3978.7	4014.6	4052.1	4038.6	3996.7
45°	3333.6	3360.5	3383.0	3435.4	3546.1	3649.4	3728.7	3782.6	3850.0	3881.4	3830.5
47.5°	3140.5	3148.0	3174.9	3218.3	3284.2	3363.5	3496.7	3577.6	3640.4	3701.8	3668.9
50°	2992.3	2965.3	2969.8	2996.8	3050.7	3128.5	3224.3	3338.1	3409.9	3484.8	3492.2
52.5°	2615.1	2833.6	2781.2	2796.2	2824.6	2862.0	2962.3	3074.6	3162.9	3227.3	3291.7
55°	2194.4	2237.8	2658.5	2598.6	2616.6	2649.5	2695.9	2808.2	2893.5	2983.3	3073.1
57.5°	1702.0	2025.3	2041.8	2430.9	2422.0	2425.0	2463.9	2528.2	2613.6	2725.8	2802.2
60°	1323.2	1459.5	1724.4	1859.1	2200.4	2212.4	2234.9	2272.3	2345.6	2451.9	2573.1
62.5°	1167.6	1185.5	1279.8	1481.9	1703.5	1971.4	2019.3	2025.3	2058.2	2164.5	2305.2
65°	1025.4	1037.3	1065.8	1086.7	1272.4	1531.3	1761.8	1799.3	1820.2	1883.1	2002.8
67.5°	706.5	893.6	919.1	934.1	952.0	1071.8	1357.7	1547.8	1571.7	1627.1	1731.9
70°	136.2	282.9	773.9	790.4	799.3	826.3	872.7	1175.1	1333.7	1386.1	1434.0
72.5°	92.8	109.3	131.7	311.4	658.6	673.6	684.1	723.0	990.9	1143.6	1169.1
75°	67.4	74.8	88.3	109.3	134.7	438.6	543.4	562.8	582.3	803.8	932.6
77.5°	47.9	53.9	59.9	70.4	82.3	106.3	152.7	420.6	440.1	450.6	636.2
80°	26.9	32.9	40.4	46.4	52.4	59.9	77.8	97.3	217.0	317.3	333.8
82.5°	15.0	18.0	21.0	25.4	28.4	35.9	43.4	52.4	68.9	101.8	215.6
85°	7.5	7.5	7.5	10.5	12.0	16.5	19.5	22.5	31.4	43.4	59.9
87.5°	4.5	4.5	6.0	6.0	6.0	7.5	7.5	7.5	9.0	13.5	19.5
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-LD5-85SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	4987.6	4987.6	4987.6	4987.6	4987.6
2.5°	5007.1	5002.6	5002.6	5020.6	5016.1
5°	4998.1	4993.6	4992.1	5011.6	5002.6
7.5°	4990.6	4974.2	4969.7	4987.6	4980.1
10°	4960.7	4948.7	4956.2	4950.2	4947.2
12.5°	4909.8	4902.3	4870.9	4873.9	4899.3
15°	4818.5	4848.4	4794.5	4842.4	4852.9
17.5°	4650.8	4718.2	4770.6	4799.0	4803.5
20°	4725.7	4748.1	4721.2	4722.7	4740.6
22.5°	4628.4	4638.9	4646.3	4637.4	4676.3
25°	4472.7	4432.3	4519.1	4537.1	4599.9
27.5°	4424.8	4391.9	4432.3	4429.3	4481.7
30°	4385.9	4279.6	4297.6	4326.0	4390.4
32.5°	4330.5	4162.8	4144.9	4207.7	4279.6
35°	4233.2	4074.5	4032.6	4073.0	4180.8
37.5°	4150.9	3951.8	3868.0	3921.8	4062.5
40°	4028.1	3856.0	3725.7	3773.7	3939.8
42.5°	3881.4	3773.7	3573.1	3606.0	3796.1
45°	3733.2	3637.4	3424.9	3441.3	3667.4
47.5°	3582.0	3493.7	3270.7	3273.7	3502.7
50°	3433.9	3317.1	3133.0	3080.6	3327.6
52.5°	3240.8	3133.0	2993.8	2908.4	3161.4
55°	3058.1	2936.9	2835.1	2703.4	2972.8
57.5°	2880.0	2745.3	2676.4	2507.3	2758.8
60°	2636.0	2571.7	2469.9	2308.2	2565.7
62.5°	2386.0	2365.1	2261.8	2094.1	2327.7
65°	2094.1	2143.5	2037.3	1893.6	2080.7
67.5°	1818.7	1907.0	1790.3	1702.0	1842.7
70°	1525.3	1627.1	1561.3	1529.8	1589.7
72.5°	1236.4	1335.2	1341.2	1318.8	1338.2
75°	955.0	1064.3	1124.2	1089.7	1094.2
77.5°	724.5	776.9	842.7	869.7	863.7
80°	447.6	538.9	592.8	648.2	628.7
82.5°	226.0	302.4	368.2	428.1	399.7
85°	94.3	121.2	169.1	223.0	214.1
87.5°	28.4	47.9	50.9	71.9	67.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)