

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-LD5-95SL-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-LD5-95SL-RM-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

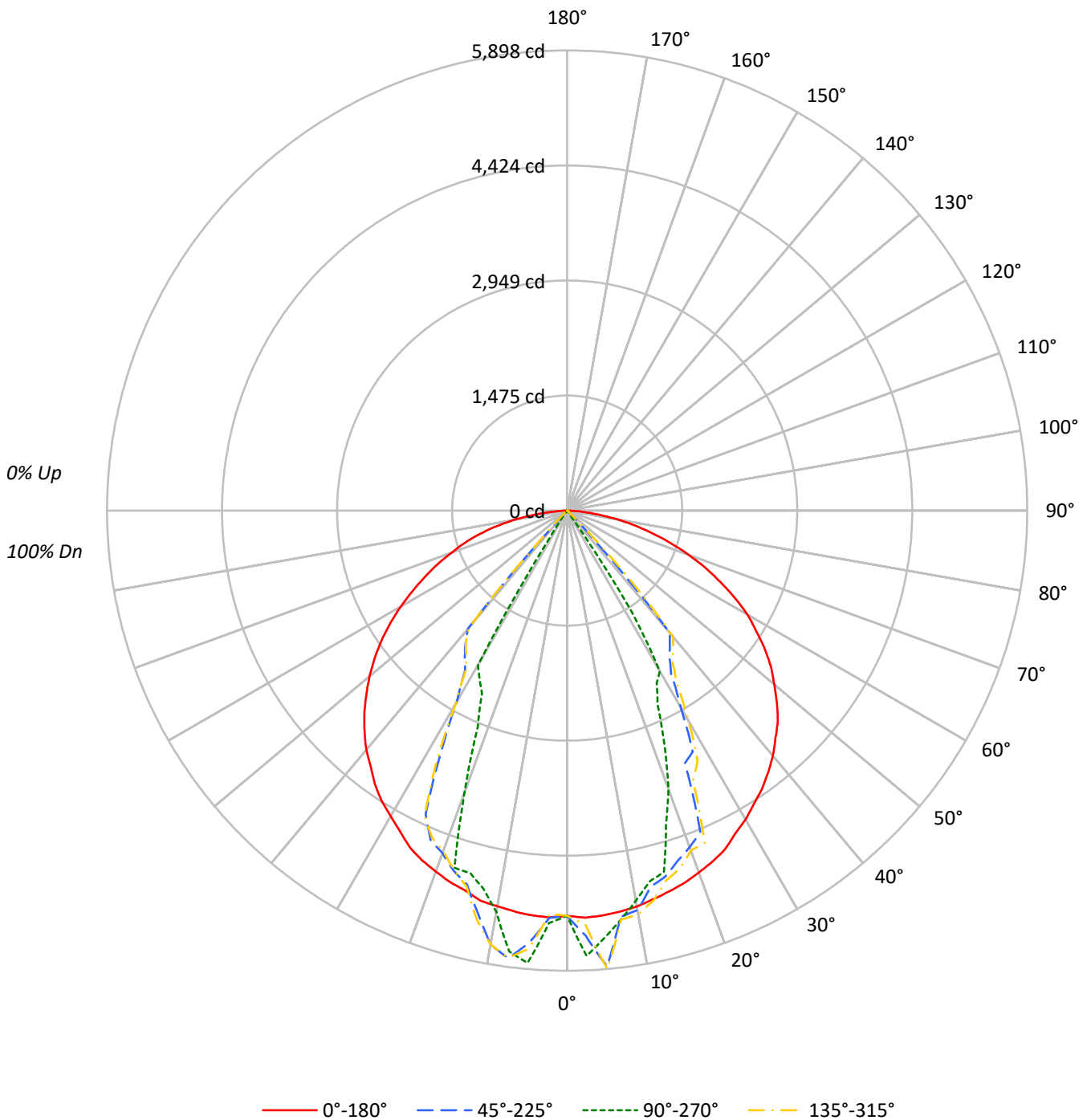
Lumens per Lamp: N/A
Luminaire Lumens: 7385.0 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 69
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	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°	20985	20985	20985	20985
5°	21100	21583	21093	22856
10°	21078	19530	21065	20094
15°	21050	18229	20998	18277
20°	21106	14358	21046	14535
25°	21200	10391	21097	9805
30°	21139	9115	20916	8762
35°	21241	201	20930	243
40°	21359	44	20848	44
45°	21486	26	20679	20
50°	21383	20	20402	20
55°	21331	14	20021	14
60°	21021	15	19378	15
65°	20043	25	18615	16
70°	18751	27	17851	27
75°	16807	31	17083	31
80°	13994	35	14793	35
85°	8768	41	8953	41



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.1	7.1
10°-20°	1421.3	19.2
20°-30°	1808.6	24.5
30°-40°	1527.8	20.7
40°-50°	998.8	13.5
50°-60°	629.3	8.5
60°-70°	335.0	4.5
70°-80°	122.1	1.7
80°-90°	21.0	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°	3750.9	50.8
0°-40°	5278.7	71.5
0°-60°	6906.8	93.5
0°-90°	7385.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7385.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5194	5194	5194	5194	5194	
5°	5209	5496	5208	5820	5209	495
15°	5053	4796	5041	4809	5053	1429
25°	4790	2739	4767	2584	4790	2203
35°	4354	51	4290	62	4354	2723
45°	3819	6	3676	5	3819	2937
55°	3096	3	2906	3	3096	2758
65°	2167	5	2012	3	2167	2146
75°	1139	5	1158	5	1139	1209
85°	223	5	228	5	223	282
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°	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5223.3	5226.4	5228.0	5231.1	5235.8	5237.3	5240.4	5237.3	5237.3	5237.3	5237.3
5°	5209.3	5215.5	5220.2	5226.4	5237.3	5238.9	5251.4	5252.9	5259.2	5271.6	5281.0
7.5°	5185.9	5192.1	5201.5	5217.1	5232.7	5249.8	5271.6	5295.0	5327.7	5358.9	5397.9
10°	5151.6	5159.4	5170.3	5184.3	5260.7	5271.6	5319.9	5387.0	5405.7	5503.9	5577.1
12.5°	5101.7	5128.2	5156.3	5168.7	5242.0	5357.4	5519.5	5486.7	5450.9	5772.0	5767.3
15°	5053.4	5089.2	5075.2	5176.5	5243.6	5444.6	5376.1	5522.6	5790.7	5725.2	5728.3
17.5°	5002.0	5009.8	5087.7	5171.9	5291.9	5394.8	5478.9	5680.0	5733.0	5737.7	5680.0
20°	4936.5	4973.9	5087.7	5164.1	5366.7	5415.0	5597.4	5700.3	5678.4	5625.5	5527.3
22.5°	4869.5	4983.3	5098.6	5206.2	5348.0	5477.4	5567.8	5616.1	5502.3	5293.4	5181.2
25°	4790.0	4857.0	5008.2	5165.6	5343.3	5418.1	5471.1	5393.2	5245.1	5058.1	4869.5
27.5°	4666.8	4774.4	4967.7	5145.4	5305.9	5396.3	5310.6	5123.5	4885.1	4761.9	4676.2
30°	4571.8	4712.0	4871.0	5042.5	5209.3	5262.3	5044.0	4830.5	4666.8	4543.7	4525.0
32.5°	4456.4	4655.9	4807.1	4970.8	5111.1	5040.9	4828.9	4553.0	4417.4	4370.7	4389.4
35°	4353.5	4504.7	4702.7	4863.2	4964.6	4807.1	4472.0	4300.5	4235.1	4261.6	4227.3
37.5°	4230.4	4429.9	4612.3	4751.0	4716.7	4479.8	4196.1	4087.0	4094.8	4073.0	4007.5
40°	4102.6	4292.7	4482.9	4613.8	4493.8	4132.2	3943.6	3920.2	3924.9	3854.7	3761.2
42.5°	3952.9	4126.0	4316.1	4434.6	4175.8	3893.7	3765.9	3769.0	3728.5	3630.3	3580.4
45°	3818.9	3977.9	4175.8	4186.7	3868.8	3633.4	3596.0	3555.5	3465.1	3432.3	3394.9
47.5°	3647.4	3823.6	3987.2	3928.0	3567.9	3421.4	3393.4	3304.5	3259.3	3234.4	3203.2
50°	3465.1	3642.7	3792.4	3624.0	3284.2	3249.9	3158.0	3087.8	3056.7	3030.2	3002.1
52.5°	3292.0	3438.6	3591.3	3301.4	3066.0	3033.3	2928.9	2888.3	2857.1	2827.5	2821.3
55°	3095.6	3225.0	3329.4	2994.3	2857.1	2780.8	2706.0	2677.9	2648.3	2634.3	2657.6
57.5°	2872.7	3019.3	3003.7	2691.9	2631.1	2520.5	2492.4	2473.7	2451.9	2461.2	2266.4
60°	2671.7	2783.9	2707.5	2470.6	2367.7	2292.9	2268.0	2255.5	2268.0	2077.8	1826.8
62.5°	2423.8	2550.1	2395.8	2211.8	2102.7	2066.9	2045.1	2062.2	1879.8	1671.0	1610.2
65°	2166.6	2303.8	2076.2	1934.4	1865.8	1834.6	1833.1	1688.1	1508.8	1427.8	1427.8
67.5°	1918.8	2060.6	1767.6	1649.1	1622.6	1625.8	1535.3	1315.6	1265.7	1211.1	1053.7
70°	1655.4	1780.1	1460.5	1388.8	1373.2	1362.3	1142.5	1083.3	1024.1	879.1	866.7
72.5°	1393.5	1454.3	1173.7	1156.6	1153.5	958.6	915.0	813.7	745.1	727.9	720.1
75°	1139.4	1120.7	927.4	943.0	795.0	726.4	656.2	597.0	587.6	581.4	145.0
77.5°	899.4	805.9	731.0	636.0	568.9	483.2	469.2	459.8	302.4	109.1	88.8
80°	654.7	522.2	486.3	413.1	352.3	338.2	346.0	106.0	84.2	70.1	60.8
82.5°	416.2	333.6	272.8	238.5	232.3	101.3	74.8	60.8	53.0	45.2	37.4
85°	222.9	148.1	137.2	115.3	68.6	46.8	39.0	29.6	24.9	20.3	18.7
87.5°	70.1	59.2	48.3	39.0	23.4	15.6	12.5	10.9	9.4	7.8	7.8
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°	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5234.2	5237.3	5235.8	5240.4	5240.4	5246.7	5251.4	5256.0	5265.4	5270.1	5305.9
5°	5301.2	5309.0	5332.4	5354.2	5380.7	5388.5	5433.7	5444.6	5497.6	5503.9	5678.4
7.5°	5450.9	5480.5	5536.6	5592.7	5648.8	5684.7	5747.0	5786.0	5828.1	5865.5	6004.2
10°	5631.7	5681.6	5736.1	5792.2	5825.0	5893.6	5931.0	5937.2	5926.3	5865.5	5641.0
12.5°	5809.4	5859.3	5835.9	5846.8	5885.8	5764.2	5781.3	5694.0	5754.8	5454.0	5231.1
15°	5784.4	5781.3	5723.7	5536.6	5567.8	5335.5	5242.0	5170.3	5228.0	5196.8	5162.5
17.5°	5709.6	5567.8	5468.0	5243.6	5148.5	5083.0	5084.6	5086.1	5058.1	5087.7	5000.4
20°	5393.2	5234.2	5086.1	5006.6	4978.6	4931.8	4955.2	4931.8	4933.4	4942.7	4808.7
22.5°	4972.3	4924.0	4838.3	4863.2	4853.9	4896.0	4864.8	4816.5	4832.1	4761.9	4660.6
25°	4802.4	4746.3	4743.2	4752.6	4738.5	4719.8	4691.8	4618.5	4613.8	4592.0	4545.3
27.5°	4631.0	4634.1	4643.5	4615.4	4565.5	4528.1	4486.0	4450.2	4464.2	4439.3	4375.4
30°	4512.5	4511.0	4454.8	4429.9	4337.9	4339.5	4328.6	4306.8	4292.7	4294.3	4253.8
32.5°	4344.2	4295.9	4231.9	4200.8	4193.0	4164.9	4143.1	4147.8	4158.7	4119.7	4161.8
35°	4171.2	4071.4	4062.0	4035.5	4010.6	3991.9	3999.7	3968.5	3967.0	3962.3	3619.4
37.5°	3938.9	3890.6	3885.9	3857.9	3840.7	3836.0	3806.4	3811.1	3825.1	3850.1	3086.3
40°	3747.2	3703.5	3692.6	3691.1	3653.7	3650.5	3658.3	3688.0	3708.2	3552.3	2941.3
42.5°	3541.4	3544.5	3510.3	3488.4	3493.1	3507.1	3544.5	3441.7	2981.8	2841.6	2688.8
45°	3365.3	3349.7	3331.0	3324.8	3365.3	3337.2	2925.7	2699.7	2645.2	2638.9	2210.3
47.5°	3181.4	3176.7	3168.9	3173.6	2942.9	2623.3	2529.8	2500.2	2509.6	2503.3	1898.5
50°	2995.9	3002.1	3002.1	2621.8	2406.7	2353.7	2361.5	2388.0	2222.7	2074.7	1769.2
52.5°	2835.3	2787.0	2388.0	2250.8	2202.5	2225.9	2169.8	1962.4	1812.8	1725.5	1636.7
55°	2537.6	2182.2	2093.4	2071.6	2088.7	1881.4	1753.6	1619.5	1580.6	1571.2	1519.8
57.5°	1996.7	1925.0	1932.8	1845.5	1647.6	1530.7	1479.2	1460.5	1443.4	1430.9	124.7
60°	1766.0	1786.3	1635.1	1448.1	1368.6	1353.0	1340.5	1323.4	1320.2	1298.4	79.5
62.5°	1616.4	1421.6	1290.6	1243.9	1225.2	1220.5	1197.1	1189.3	1010.1	138.7	59.2
65°	1218.9	1139.4	1114.5	1103.6	1083.3	1083.3	899.4	141.8	115.3	99.8	53.0
67.5°	994.5	988.2	975.8	961.7	654.7	137.2	120.0	104.4	90.4	79.5	46.8
70°	841.7	838.6	763.8	140.3	116.9	102.9	90.4	81.1	74.8	67.0	42.1
72.5°	690.5	140.3	118.5	102.9	88.8	81.1	73.3	65.5	59.2	54.6	34.3
75°	107.6	95.1	84.2	76.4	70.1	62.3	56.1	51.4	49.9	43.6	23.4
77.5°	77.9	67.0	60.8	54.6	48.3	43.6	37.4	32.7	29.6	24.9	17.1
80°	54.6	48.3	43.6	35.9	31.2	26.5	23.4	20.3	18.7	15.6	7.8
82.5°	31.2	26.5	23.4	18.7	17.1	14.0	12.5	10.9	10.9	7.8	7.8
85°	14.0	14.0	10.9	9.4	7.8	7.8	7.8	6.2	6.2	4.7	4.7
87.5°	6.2	6.2	6.2	6.2	6.2	4.7	4.7	4.7	4.7	4.7	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5355.8	5376.1	5415.0	5455.6	5410.3	5572.5	5560.0	5614.5	5644.2	5658.2	5690.9
5°	5832.8	5923.2	5952.8	5863.9	5812.5	5759.5	5639.5	5549.1	5560.0	5530.4	5422.8
7.5°	5823.4	5630.1	5369.8	5251.4	5242.0	5228.0	5265.4	5287.2	5290.3	5288.8	5285.6
10°	5330.9	5231.1	5213.9	5198.4	5204.6	5146.9	5120.4	5045.6	5086.1	5064.3	5072.1
12.5°	5181.2	5157.8	5065.9	4938.1	5014.4	4956.8	4924.0	4945.8	4920.9	4897.5	4889.7
15°	5092.4	4941.2	4889.7	4858.6	4836.7	4824.3	4835.2	4810.2	4802.4	4797.8	4808.7
17.5°	4908.4	4847.6	4791.5	4708.9	4710.5	4705.8	4737.0	4783.7	4786.9	4546.8	4330.1
20°	4763.5	4713.6	4641.9	4590.5	4660.6	4535.9	4054.3	3825.1	3789.3	3789.3	3795.5
22.5°	4648.1	4537.5	4542.1	4461.1	3804.9	3670.8	3673.9	3688.0	3624.0	3405.8	3382.4
25°	4490.7	4473.6	4132.2	3571.0	3575.7	3471.3	3310.7	3084.7	2840.0	2840.0	2799.5
27.5°	4372.2	4009.1	3510.3	3486.9	3136.2	2914.8	2777.7	2570.3	2542.3	2515.8	2518.9
30°	4270.9	3391.8	3404.3	2914.8	2656.1	2472.1	2461.2	2426.9	2409.8	2405.1	2388.0
32.5°	3376.2	3302.9	2849.4	2481.5	2380.2	2350.6	2336.5	2297.6	2296.0	2266.4	2060.6
35°	3165.8	2899.2	2384.9	2285.1	2255.5	2227.4	2204.0	1479.2	174.6	70.1	60.8
37.5°	2925.7	2422.3	2205.6	2160.4	2132.3	1575.9	157.4	54.6	39.0	28.1	24.9
40°	2479.9	2163.5	2094.9	2045.1	843.3	54.6	34.3	26.5	15.6	14.0	12.5
42.5°	2091.8	2038.8	1965.6	598.6	62.3	26.5	17.1	12.5	10.9	10.9	9.4
45°	1957.8	1911.0	791.8	59.2	39.0	12.5	10.9	10.9	9.4	6.2	6.2
47.5°	1833.1	1613.3	71.7	37.4	24.9	10.9	9.4	6.2	6.2	6.2	4.7
50°	1700.6	88.8	49.9	28.1	15.6	6.2	6.2	6.2	6.2	4.7	4.7
52.5°	318.0	62.3	40.5	24.9	7.8	6.2	6.2	6.2	4.7	4.7	4.7
55°	74.8	49.9	37.4	21.8	6.2	6.2	6.2	4.7	4.7	4.7	3.1
57.5°	56.1	37.4	29.6	20.3	6.2	4.7	4.7	4.7	4.7	4.7	3.1
60°	46.8	26.5	23.4	18.7	4.7	4.7	4.7	4.7	4.7	4.7	3.1
62.5°	32.7	21.8	17.1	14.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7
65°	26.5	17.1	14.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
67.5°	23.4	14.0	9.4	3.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7
70°	18.7	4.7	4.7	3.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	15.6	4.7	3.1	3.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	15.6	7.8	3.1	3.1	4.7	4.7	6.2	6.2	4.7	4.7	4.7
77.5°	10.9	7.8	3.1	3.1	4.7	4.7	6.2	6.2	4.7	4.7	4.7
80°	6.2	7.8	3.1	4.7	4.7	9.4	10.9	6.2	4.7	4.7	4.7
82.5°	6.2	7.8	9.4	9.4	4.7	7.8	9.4	7.8	6.2	4.7	4.7
85°	6.2	4.7	6.2	7.8	4.7	7.8	7.8	6.2	6.2	4.7	4.7
87.5°	3.1	4.7	4.7	6.2	6.2	6.2	7.8	6.2	6.2	6.2	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-LD5-95SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5706.5	5712.7	5614.5	5580.2	5609.9	5603.6	5577.1	5478.9	5468.0	5402.6	5307.5
5°	5454.0	5496.1	5444.6	5533.5	5491.4	5533.5	5661.3	5720.5	5817.2	5876.4	5898.2
7.5°	5277.9	5287.2	5287.2	5295.0	5302.8	5304.4	5295.0	5288.8	5262.3	5229.5	5288.8
10°	5064.3	5075.2	5093.9	5090.8	5089.2	5122.0	5129.8	5196.8	5193.7	5206.2	5251.4
12.5°	4953.6	4869.5	4945.8	4925.6	4953.6	4910.0	4991.0	4977.0	4981.7	5019.1	5115.7
15°	4769.7	4796.2	4814.9	4814.9	4825.8	4816.5	4807.1	4871.0	4910.0	4911.6	4905.3
17.5°	4415.9	4214.8	4420.6	4367.6	4790.0	4800.9	4765.0	4735.4	4735.4	4758.8	4808.7
20°	3790.8	3795.5	3797.1	3817.3	3842.3	3840.7	3842.3	4456.4	4747.9	4680.9	4635.7
22.5°	3323.2	3265.5	3373.1	3365.3	3499.3	3647.4	3789.3	3775.2	3784.6	4217.9	4607.6
25°	2663.9	2738.7	2677.9	2704.4	2855.6	3031.7	3140.8	3426.1	3736.3	3714.5	3815.8
27.5°	2508.0	2487.7	2515.8	2515.8	2536.1	2559.4	2620.2	2780.8	3056.7	3346.6	3620.9
30°	2359.9	2377.1	2380.2	2408.2	2423.8	2439.4	2448.8	2509.6	2571.9	2773.0	3111.2
32.5°	1772.3	1554.1	2045.1	2177.5	2289.8	2316.3	2335.0	2359.9	2405.1	2434.7	2604.6
35°	51.4	51.4	54.6	62.3	79.5	536.2	2041.9	2250.8	2280.4	2317.8	2349.0
37.5°	24.9	18.7	21.8	23.4	28.1	39.0	56.1	174.6	1943.7	2197.8	2232.1
40°	10.9	10.9	10.9	10.9	12.5	15.6	23.4	39.0	59.2	1563.4	2109.0
42.5°	9.4	9.4	9.4	9.4	9.4	9.4	10.9	14.0	28.1	67.0	1106.7
45°	6.2	6.2	4.7	6.2	6.2	7.8	9.4	9.4	12.5	42.1	76.4
47.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.8	9.4	28.1	40.5
50°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	21.8	28.1
52.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	9.4	24.9
55°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	6.2	21.8
57.5°	3.1	3.1	3.1	3.1	3.1	4.7	3.1	3.1	4.7	4.7	20.3
60°	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7	4.7	4.7	18.7
62.5°	4.7	4.7	3.1	4.7	3.1	3.1	4.7	4.7	4.7	4.7	12.5
65°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.1	4.7
67.5°	4.7	4.7	4.7	4.7	3.1	4.7	3.1	4.7	4.7	3.1	3.1
70°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1
75°	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2	3.1	3.1	3.1
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	7.8	9.4	7.8	7.8	3.1
80°	4.7	4.7	4.7	4.7	4.7	4.7	7.8	7.8	7.8	7.8	10.9
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2	6.2	6.2	7.8
85°	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2	6.2	4.7	6.2
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.2	4.7	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-LD5-95SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5315.3	5262.3	5245.1	5209.3	5206.2	5209.3	5201.5	5190.6	5196.8	5185.9	5176.5
5°	5910.7	5768.9	5676.9	5553.8	5383.8	5346.4	5337.1	5284.1	5265.4	5259.2	5234.2
7.5°	5429.1	5687.8	5843.7	5896.7	5697.2	5650.4	5595.8	5552.2	5510.1	5430.6	5382.3
10°	5215.5	5228.0	5377.6	5552.2	5835.9	5874.8	5904.5	5809.4	5782.9	5580.2	5536.6
12.5°	5165.6	5167.2	5184.3	5290.3	5513.2	5538.2	5642.6	5698.7	5767.3	5806.3	5775.1
15°	4938.1	5064.3	5157.8	5167.2	5187.4	5231.1	5262.3	5457.1	5539.7	5761.1	5748.6
17.5°	4832.1	4872.6	5008.2	5118.9	5100.2	5084.6	5109.5	5136.0	5215.5	5436.8	5433.7
20°	4655.9	4785.3	4858.6	4973.9	5078.3	5083.0	5055.0	5039.4	5008.2	5044.0	5076.8
22.5°	4581.1	4601.4	4738.5	4819.6	4938.1	4980.1	4986.4	4987.9	4970.8	4952.1	4942.7
25°	4573.3	4509.4	4579.5	4680.9	4768.2	4813.4	4864.8	4881.9	4875.7	4875.7	4866.4
27.5°	3742.5	4489.1	4451.7	4518.8	4624.7	4655.9	4682.4	4735.4	4768.2	4791.5	4802.4
30°	3564.8	3698.9	4352.0	4361.3	4468.9	4465.8	4495.4	4539.0	4581.1	4635.7	4649.7
32.5°	3153.3	3482.2	3984.1	4203.9	4316.1	4327.0	4342.6	4355.1	4394.1	4454.8	4507.8
35°	2526.7	3172.0	3413.6	4129.1	4149.3	4171.2	4180.5	4210.1	4222.6	4247.5	4294.3
37.5°	2286.7	2621.8	3274.9	3571.0	3957.6	3976.3	4026.2	4038.7	4058.9	4079.2	4115.0
40°	2147.9	2239.9	2726.2	3189.2	3803.3	3815.8	3832.9	3864.1	3865.6	3889.0	3921.8
42.5°	2037.3	2096.5	2238.3	3045.8	3694.2	3692.6	3652.1	3672.4	3681.7	3706.7	3751.9
45°	1627.3	1967.1	2057.5	2487.7	2941.3	3153.3	3560.1	3493.1	3491.6	3500.9	3549.2
47.5°	82.6	1850.2	1914.1	2052.8	2777.7	2785.4	2838.4	3284.2	3352.8	3331.0	3335.7
50°	56.1	127.8	1783.2	1847.1	2394.2	2587.5	2626.5	2646.7	2903.9	3190.7	3144.0
52.5°	43.6	73.3	1092.7	1714.6	1945.3	2087.1	2338.1	2481.5	2497.1	2612.4	3003.7
55°	39.0	56.1	118.5	1582.1	1653.8	1685.0	1831.5	2082.5	2285.1	2345.9	2350.6
57.5°	34.3	51.4	81.1	715.5	1504.2	1510.4	1535.3	1622.6	1805.0	1971.8	2160.4
60°	31.2	45.2	63.9	123.1	1367.0	1382.6	1387.3	1410.6	1432.5	1546.3	1762.9
62.5°	18.7	35.9	56.1	88.8	1081.8	1242.3	1240.7	1256.3	1276.6	1289.1	1332.7
65°	15.6	28.1	48.3	74.8	132.5	165.2	1003.8	1116.0	1128.5	1145.7	1153.5
67.5°	14.0	24.9	35.9	59.2	99.8	113.8	130.9	162.1	885.4	997.6	1013.2
70°	12.5	17.1	29.6	49.9	81.1	87.3	98.2	112.2	132.5	163.7	801.2
72.5°	7.8	12.5	20.3	35.9	62.3	70.1	76.4	85.7	95.1	113.8	130.9
75°	3.1	9.4	17.1	26.5	48.3	53.0	57.7	63.9	71.7	84.2	93.5
77.5°	3.1	7.8	14.0	18.7	31.2	35.9	42.1	46.8	53.0	59.2	68.6
80°	10.9	6.2	9.4	14.0	21.8	23.4	26.5	29.6	34.3	39.0	45.2
82.5°	7.8	9.4	10.9	9.4	10.9	14.0	15.6	18.7	20.3	23.4	24.9
85°	6.2	6.2	7.8	7.8	7.8	7.8	7.8	7.8	9.4	10.9	14.0
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2
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-LD5-95SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5176.5	5173.4	5164.1	5164.1	5162.5	5168.7	5173.4	5178.1	5176.5	5185.9	5176.5
5°	5215.5	5207.7	5193.7	5181.2	5176.5	5179.7	5175.0	5179.7	5173.4	5181.2	5167.2
7.5°	5323.1	5296.6	5242.0	5220.2	5192.1	5190.6	5176.5	5173.4	5164.1	5164.1	5146.9
10°	5513.2	5385.4	5369.8	5304.4	5281.0	5167.2	5192.1	5150.0	5145.4	5125.1	5117.3
12.5°	5669.1	5569.3	5539.7	5482.0	5416.6	5185.9	5237.3	5146.9	5142.2	5101.7	5059.6
15°	5672.2	5729.9	5648.8	5489.8	5475.8	5316.8	5212.4	5181.2	5140.7	5019.1	5039.4
17.5°	5489.8	5622.3	5661.3	5627.0	5527.3	5419.7	5273.2	5210.8	5089.2	5034.7	4997.3
20°	5193.7	5327.7	5494.5	5505.4	5567.8	5491.4	5299.7	5198.4	5051.8	4956.8	4925.6
22.5°	4958.3	5056.5	5248.2	5337.1	5413.5	5440.0	5318.4	5168.7	4986.4	4894.4	4875.7
25°	4833.6	4855.4	4913.1	5017.5	5185.9	5307.5	5324.6	5165.6	5070.5	4869.5	4763.5
27.5°	4788.4	4769.7	4746.3	4799.3	4925.6	5073.7	5171.9	5198.4	4961.4	4769.7	4663.7
30°	4673.1	4684.0	4648.1	4629.4	4712.0	4864.8	5039.4	5083.0	4900.6	4702.7	4581.1
32.5°	4531.2	4549.9	4556.2	4523.4	4506.3	4612.3	4800.9	4905.3	4896.0	4607.6	4472.0
35°	4353.5	4406.5	4420.6	4422.1	4394.1	4376.9	4486.0	4702.7	4785.3	4564.0	4367.6
37.5°	4166.5	4182.1	4258.4	4278.7	4278.7	4227.3	4308.3	4481.3	4596.7	4465.8	4239.7
40°	3932.7	3982.6	4054.3	4090.1	4126.0	4130.6	4085.4	4207.0	4397.2	4364.4	4119.7
42.5°	3762.8	3795.5	3839.1	3887.5	3960.7	3979.4	3932.7	3954.5	4152.5	4238.2	3963.8
45°	3564.8	3608.5	3620.9	3673.9	3750.3	3804.9	3803.3	3758.1	3917.1	4023.1	3850.1
47.5°	3362.2	3404.3	3426.1	3452.6	3508.7	3578.8	3617.8	3597.5	3628.7	3836.0	3698.9
50°	3153.3	3176.7	3220.3	3249.9	3287.4	3327.9	3421.4	3440.1	3396.5	3561.7	3532.1
52.5°	2955.3	2963.1	2992.8	3022.4	3072.3	3101.9	3176.7	3232.8	3229.7	3278.0	3346.6
55°	2801.0	2766.7	2773.0	2796.4	2829.1	2874.3	2916.4	3003.7	3033.3	3042.6	3151.7
57.5°	2188.5	2540.7	2571.9	2570.3	2609.3	2629.6	2668.5	2726.2	2832.2	2808.8	2930.4
60°	1988.9	2027.9	2322.5	2356.8	2370.8	2389.5	2436.3	2489.3	2567.2	2617.1	2670.1
62.5°	1516.6	1753.6	1842.4	2102.7	2143.3	2154.2	2185.3	2210.3	2291.3	2405.1	2383.3
65°	1173.7	1275.0	1546.3	1652.3	1873.6	1901.6	1945.3	1971.8	1995.2	2126.1	2132.3
67.5°	1014.7	1030.3	1103.6	1307.8	1448.1	1664.7	1691.2	1714.6	1750.5	1844.0	1901.6
70°	866.7	885.4	905.6	922.8	1105.1	1248.5	1449.6	1457.4	1480.8	1543.1	1674.1
72.5°	163.7	740.4	752.9	763.8	784.0	879.1	1070.8	1226.7	1236.1	1265.7	1385.7
75°	110.7	129.4	177.7	611.0	631.3	637.5	670.3	865.1	1008.5	1014.7	1067.7
77.5°	79.5	88.8	107.6	127.8	325.8	489.4	497.2	533.1	681.2	788.7	798.1
80°	54.6	60.8	71.7	81.1	99.8	130.9	361.6	372.5	391.2	539.3	567.4
82.5°	31.2	35.9	42.1	51.4	59.2	74.8	96.6	124.7	254.1	271.2	360.1
85°	15.6	17.1	20.3	24.9	29.6	35.9	48.3	59.2	81.1	146.5	151.2
87.5°	7.8	7.8	7.8	7.8	12.5	14.0	17.1	21.8	28.1	42.1	54.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5178.1	5199.9	5218.6	5223.3	5223.3	5226.4	5231.1	5234.2	5237.3	5240.4	5237.3
5°	5168.7	5192.1	5207.7	5212.4	5212.4	5221.7	5229.5	5238.9	5243.6	5243.6	5240.4
7.5°	5145.4	5162.5	5182.8	5195.2	5196.8	5212.4	5226.4	5224.9	5231.1	5234.2	5242.0
10°	5114.2	5114.2	5148.5	5157.8	5165.6	5182.8	5187.4	5196.8	5218.6	5221.7	5242.0
12.5°	5098.6	5083.0	5123.5	5128.2	5154.7	5132.9	5161.0	5170.3	5148.5	5178.1	5139.1
15°	5028.5	5047.2	5040.9	5055.0	5101.7	5076.8	5153.2	5128.2	5184.3	5117.3	5235.8
17.5°	4970.8	4967.7	4992.6	5005.1	5014.4	5067.4	5087.7	5115.7	5137.6	5118.9	5165.6
20°	4928.7	4903.8	4922.5	4936.5	4969.2	5009.8	5022.2	4980.1	5053.4	5178.1	5207.7
22.5°	4849.2	4832.1	4853.9	4853.9	4903.8	4897.5	4944.3	4917.8	4986.4	5131.3	5282.5
25°	4741.7	4743.2	4766.6	4794.6	4804.0	4874.1	4899.1	4933.4	5019.1	5192.1	5284.1
27.5°	4632.5	4623.2	4637.2	4694.9	4743.2	4794.6	4802.4	4919.3	5036.3	5154.7	5235.8
30°	4523.4	4514.1	4523.4	4565.5	4623.2	4657.5	4743.2	4899.1	5008.2	5089.2	5165.6
32.5°	4406.5	4397.2	4419.0	4450.2	4551.5	4556.2	4726.1	4872.6	4958.3	5017.5	5003.5
35°	4281.8	4269.4	4289.6	4337.9	4431.5	4465.8	4643.5	4752.6	4849.2	4877.3	4811.8
37.5°	4132.2	4110.4	4135.3	4202.3	4300.5	4400.3	4548.4	4674.6	4726.1	4651.2	4573.3
40°	3976.3	3960.7	4004.4	4038.7	4154.0	4292.7	4462.6	4551.5	4518.8	4433.0	4347.3
42.5°	3837.6	3804.9	3843.8	3909.3	4040.2	4197.7	4334.8	4384.7	4306.8	4180.5	4080.8
45°	3667.7	3628.7	3675.5	3762.8	3903.1	4082.3	4189.9	4172.7	4040.2	3931.1	3793.9
47.5°	3490.0	3443.2	3490.0	3594.4	3751.9	3942.0	4020.0	3942.0	3775.2	3638.1	3527.4
50°	3315.4	3260.9	3306.1	3463.5	3617.8	3764.3	3762.8	3611.6	3511.8	3362.2	3265.5
52.5°	3142.4	3064.5	3109.7	3281.1	3435.4	3602.2	3479.1	3338.8	3218.8	3087.8	3056.7
55°	2928.9	2844.7	2905.5	3154.9	3273.3	3371.5	3175.1	3052.0	2933.5	2868.1	2829.1
57.5°	2726.2	2634.3	2687.2	2981.8	3069.1	3094.1	2913.3	2738.7	2668.5	2646.7	2590.6
60°	2517.3	2412.9	2462.8	2802.6	2863.4	2762.1	2584.4	2448.8	2434.7	2391.1	2347.4
62.5°	2317.8	2202.5	2233.7	2579.7	2607.8	2423.8	2260.2	2224.3	2190.0	2146.4	2123.0
65°	2088.7	1968.7	2012.3	2342.8	2316.3	2079.3	1987.4	1979.6	1934.4	1898.5	1932.8
67.5°	1878.3	1736.4	1797.2	2084.0	1964.0	1770.7	1733.3	1714.6	1678.8	1699.0	1338.9
70°	1647.6	1493.3	1575.9	1805.0	1627.3	1499.5	1485.5	1457.4	1459.0	1159.7	977.3
72.5°	1390.4	1256.3	1376.4	1499.5	1287.5	1250.1	1229.8	1226.7	989.8	804.3	759.1
75°	1164.4	1028.8	1158.1	1204.9	1025.6	1000.7	999.1	826.1	650.0	620.4	606.3
77.5°	908.7	804.3	927.4	857.3	787.2	759.1	681.2	511.3	489.4	469.2	176.1
80°	612.6	620.4	692.1	590.8	561.1	478.5	377.2	361.6	311.7	124.7	98.2
82.5°	372.5	467.6	441.1	369.4	361.6	260.3	238.5	121.6	90.4	71.7	62.3
85°	193.3	236.9	227.6	201.1	149.6	134.1	74.8	57.7	46.8	35.9	29.6
87.5°	65.5	87.3	84.2	67.0	51.4	40.5	26.5	21.8	15.6	12.5	10.9
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-LD5-95SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5234.2	5234.2	5231.1	5234.2	5235.8	5232.7	5232.7	5235.8	5237.3	5238.9	5246.7
5°	5242.0	5245.1	5249.8	5259.2	5260.7	5279.4	5287.2	5291.9	5296.6	5298.1	5287.2
7.5°	5259.2	5270.1	5279.4	5277.9	5266.9	5237.3	5228.0	5220.2	5234.2	5270.1	5312.1
10°	5274.7	5224.9	5131.3	5259.2	5220.2	5256.0	5362.0	5385.4	5457.1	5558.4	5588.0
12.5°	5167.2	5304.4	5334.0	5190.6	5455.6	5357.4	5474.3	5577.1	5606.7	5709.6	5647.3
15°	5282.5	5349.6	5394.8	5538.2	5522.6	5606.7	5639.5	5619.2	5623.9	5650.4	5720.5
17.5°	5281.0	5415.0	5444.6	5541.3	5606.7	5608.3	5599.0	5589.6	5614.5	5634.8	5592.7
20°	5371.4	5415.0	5472.7	5511.7	5524.1	5539.7	5569.3	5546.0	5499.2	5454.0	5435.3
22.5°	5326.2	5424.4	5474.3	5480.5	5472.7	5424.4	5380.7	5315.3	5293.4	5270.1	5277.9
25°	5335.5	5380.7	5374.5	5349.6	5316.8	5226.4	5204.6	5176.5	5134.5	5033.1	4941.2
27.5°	5268.5	5245.1	5217.1	5156.3	5097.0	5048.7	4994.2	4903.8	4828.9	4719.8	4679.3
30°	5156.3	5062.8	4994.2	4958.3	4900.6	4819.6	4737.0	4626.3	4531.2	4509.4	4489.1
32.5°	4941.2	4849.2	4793.1	4705.8	4607.6	4511.0	4415.9	4372.2	4352.0	4355.1	4336.4
35°	4721.4	4640.3	4556.2	4425.2	4352.0	4255.3	4221.0	4211.7	4193.0	4172.7	4150.9
37.5°	4487.6	4392.5	4266.2	4188.3	4115.0	4076.1	4058.9	4044.9	4012.2	3976.3	3951.4
40°	4261.6	4090.1	4020.0	3943.6	3921.8	3904.6	3879.7	3845.4	3800.2	3793.9	3783.0
42.5°	3959.2	3836.0	3775.2	3759.7	3733.2	3703.5	3681.7	3644.3	3625.6	3638.1	3647.4
45°	3672.4	3610.0	3589.8	3571.0	3521.2	3479.1	3465.1	3452.6	3468.2	3536.8	3373.1
47.5°	3440.1	3415.2	3390.2	3359.1	3312.3	3281.1	3295.2	3307.6	3321.7	2818.2	2571.9
50°	3239.0	3204.7	3165.8	3131.5	3103.4	3100.3	3173.6	2953.8	2473.7	2461.2	2211.8
52.5°	3019.3	2967.8	2944.4	2924.2	2936.6	2983.4	2469.0	2291.3	2197.8	1909.4	1781.6
55°	2782.3	2737.1	2737.1	2755.8	2688.8	2179.1	2152.6	1861.1	1685.0	1635.1	1614.8
57.5°	2545.4	2540.7	2567.2	2347.4	1978.0	1897.0	1594.6	1530.7	1502.6	1496.4	1463.6
60°	2328.7	2372.4	1985.8	1826.8	1588.3	1432.5	1388.8	1381.0	1351.4	1340.5	1310.9
62.5°	2155.7	1787.9	1664.7	1359.2	1279.7	1259.5	1236.1	1225.2	1198.7	1058.4	310.2
65°	1557.2	1471.4	1194.0	1142.5	1136.3	1106.7	1097.3	986.7	232.3	155.9	132.5
67.5°	1175.3	1042.8	1006.9	997.6	968.0	908.7	269.7	154.3	132.5	115.3	101.3
70°	902.5	879.1	852.6	830.8	244.7	152.8	132.5	112.2	96.6	85.7	77.9
72.5°	738.8	723.3	420.9	160.5	130.9	110.7	98.2	85.7	74.8	68.6	62.3
75°	578.3	160.5	132.5	110.7	95.1	81.1	71.7	63.9	57.7	53.0	48.3
77.5°	130.9	106.0	90.4	76.4	68.6	60.8	54.6	46.8	42.1	37.4	31.2
80°	81.1	70.1	59.2	54.6	46.8	39.0	34.3	31.2	24.9	23.4	20.3
82.5°	53.0	42.1	37.4	31.2	24.9	23.4	20.3	15.6	14.0	12.5	10.9
85°	23.4	20.3	17.1	14.0	10.9	9.4	7.8	6.2	6.2	6.2	6.2
87.5°	7.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5249.8	5277.9	5304.4	5296.6	5268.5	5224.9	5212.4	5195.2	5207.7	5234.2	5245.1
5°	5287.2	5271.6	5327.7	5410.3	5544.4	5556.9	5650.4	5672.2	5747.0	5793.8	5792.2
7.5°	5340.2	5561.5	5653.5	5753.3	5798.5	5787.6	5801.6	5790.7	5773.5	5765.7	5756.4
10°	5609.9	5778.2	5812.5	5812.5	5742.4	5647.3	5606.7	5536.6	5396.3	5399.4	5376.1
12.5°	5767.3	5826.5	5745.5	5676.9	5394.8	5285.6	5167.2	5111.1	5078.3	5028.5	5047.2
15°	5684.7	5600.5	5552.2	5330.9	5157.8	4961.4	4964.6	4930.3	4894.4	4897.5	4874.1
17.5°	5563.1	5496.1	5153.2	5000.4	4916.2	4839.9	4825.8	4780.6	4757.2	4749.4	4747.9
20°	5396.3	5154.7	4899.1	4861.7	4760.4	4673.1	4659.0	4673.1	4744.8	4617.0	4183.6
22.5°	5201.5	4853.9	4779.1	4673.1	4604.5	4570.2	4655.9	4266.2	3677.0	3748.7	3672.4
25°	4871.0	4719.8	4592.0	4511.0	4503.2	4292.7	3577.3	3502.5	3123.7	2921.1	2693.5
27.5°	4629.4	4564.0	4429.9	4415.9	4314.6	3510.3	3137.7	2726.2	2575.0	2551.6	2501.8
30°	4482.9	4389.4	4308.3	3954.5	3443.2	2826.0	2517.3	2459.7	2433.2	2405.1	2361.5
32.5°	4306.8	4217.9	4256.9	3324.8	2744.9	2433.2	2370.8	2328.7	2280.4	2261.7	2104.3
35°	4127.5	4087.0	3326.3	2794.8	2359.9	2285.1	2238.3	2194.7	1745.8	422.4	143.4
37.5°	3935.8	3926.4	2989.6	2319.4	2210.3	2140.1	2007.6	414.6	98.2	67.0	49.9
40°	3786.2	2991.2	2363.0	2174.4	2085.6	1974.9	277.5	68.6	43.6	26.5	17.1
42.5°	3686.4	2690.4	2115.2	2040.4	1847.1	204.2	70.1	29.6	17.1	14.0	10.9
45°	2841.6	2124.5	1976.5	1898.5	233.8	70.1	40.5	14.0	10.9	9.4	6.2
47.5°	2621.8	1929.7	1842.4	414.6	77.9	37.4	28.1	9.4	6.2	6.2	6.2
50°	1985.8	1783.2	1466.8	101.3	49.9	26.5	20.3	6.2	6.2	6.2	4.7
52.5°	1741.1	1646.0	157.4	67.0	39.0	20.3	12.5	4.7	4.7	4.7	4.7
55°	1591.5	1044.3	93.5	51.4	32.7	18.7	7.8	4.7	4.7	4.7	3.1
57.5°	1455.9	140.3	68.6	43.6	29.6	17.1	4.7	4.7	4.7	4.7	3.1
60°	1234.5	101.3	56.1	39.0	28.1	15.6	4.7	4.7	4.7	4.7	4.7
62.5°	160.5	79.5	48.3	34.3	20.3	12.5	3.1	4.7	4.7	4.7	4.7
65°	116.9	62.3	43.6	23.4	12.5	4.7	3.1	4.7	4.7	4.7	4.7
67.5°	90.4	51.4	32.7	20.3	10.9	3.1	3.1	4.7	4.7	4.7	4.7
70°	71.7	43.6	26.5	17.1	9.4	3.1	3.1	4.7	4.7	4.7	4.7
72.5°	56.1	31.2	18.7	9.4	6.2	3.1	3.1	4.7	4.7	4.7	4.7
75°	42.1	24.9	14.0	7.8	3.1	3.1	3.1	4.7	4.7	4.7	4.7
77.5°	28.1	15.6	10.9	6.2	6.2	6.2	7.8	7.8	4.7	4.7	4.7
80°	18.7	10.9	7.8	7.8	7.8	6.2	7.8	7.8	4.7	7.8	4.7
82.5°	9.4	7.8	7.8	6.2	6.2	4.7	6.2	6.2	6.2	6.2	4.7
85°	6.2	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2	4.7
87.5°	3.1	3.1	3.1	3.1	4.7	4.7	4.7	4.7	6.2	6.2	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-LD5-95SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5231.1	5235.8	5223.3	5290.3	5256.0	5259.2	5273.2	5237.3	5245.1	5220.2	5203.0
5°	5798.5	5807.8	5817.2	5820.3	5826.5	5834.3	5825.0	5820.3	5810.9	5779.8	5747.0
7.5°	5709.6	5698.7	5694.0	5700.3	5711.2	5715.9	5708.1	5719.0	5759.5	5776.6	5787.6
10°	5242.0	5192.1	5226.4	5221.7	5182.8	5313.7	5277.9	5298.1	5312.1	5455.6	5542.8
12.5°	5019.1	5050.3	4991.0	4961.4	5000.4	5026.9	5053.4	4997.3	5075.2	5039.4	5154.7
15°	4832.1	4813.4	4807.1	4808.7	4800.9	4838.3	4847.6	4860.1	4871.0	4919.3	4938.1
17.5°	4747.9	4779.1	4791.5	4800.9	4785.3	4768.2	4751.0	4726.1	4733.9	4721.4	4757.2
20°	3892.1	3787.7	3781.5	3842.3	3775.2	3812.7	3903.1	4507.8	4487.6	4722.9	4643.5
22.5°	3248.4	3150.2	3066.0	2992.8	3097.2	3140.8	3309.2	3499.3	3808.0	3759.7	4094.8
25°	2653.0	2617.1	2595.3	2584.4	2592.2	2589.0	2626.5	2715.3	2855.6	3186.0	3613.1
27.5°	2481.5	2464.4	2456.6	2431.6	2450.3	2444.1	2473.7	2492.4	2534.5	2567.2	2706.0
30°	2345.9	2325.6	2311.6	2285.1	2303.8	2305.4	2314.7	2363.0	2380.2	2408.2	2451.9
32.5°	857.3	505.0	473.9	450.5	492.6	642.2	1127.0	1970.2	2247.7	2269.5	2319.4
35°	84.2	70.1	62.3	62.3	63.9	70.1	93.5	246.3	450.5	1741.1	2179.1
37.5°	32.7	28.1	23.4	21.8	23.4	26.5	35.9	46.8	63.9	132.5	590.8
40°	14.0	12.5	10.9	10.9	10.9	10.9	12.5	15.6	23.4	43.6	68.6
42.5°	9.4	7.8	7.8	7.8	7.8	7.8	7.8	7.8	10.9	14.0	28.1
45°	6.2	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.2	7.8	12.5
47.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.2
50°	4.7	4.7	4.7	4.7	3.1	4.7	3.1	4.7	4.7	4.7	4.7
52.5°	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7
55°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7
57.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
60°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	3.1
65°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	3.1
67.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
70°	4.7	4.7	3.1	4.7	3.1	3.1	4.7	4.7	4.7	3.1	3.1
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	9.4	9.4	6.2
75°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.8	9.4	7.8
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.8	7.8	7.8
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2	6.2
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2	6.2
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	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-LD5-95SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5173.4	5171.9	5204.6	5229.5	5220.2	5229.5	5240.4	5242.0	5245.1	5232.7	5228.0
5°	5684.7	5636.4	5542.8	5475.8	5397.9	5256.0	5185.9	5193.7	5195.2	5190.6	5196.8
7.5°	5782.9	5778.2	5745.5	5731.4	5678.4	5577.1	5415.0	5387.0	5318.4	5274.7	5238.9
10°	5536.6	5648.8	5678.4	5728.3	5759.5	5740.8	5603.6	5583.4	5539.7	5489.8	5500.8
12.5°	5270.1	5362.0	5366.7	5637.9	5698.7	5704.9	5652.0	5680.0	5686.2	5574.0	5508.5
15°	4942.7	4986.4	5078.3	5330.9	5514.8	5630.1	5664.4	5680.0	5603.6	5599.0	5572.5
17.5°	4799.3	4827.4	4869.5	5011.3	5290.3	5460.2	5605.2	5594.3	5623.9	5602.1	5535.0
20°	4618.5	4641.9	4716.7	4788.4	4925.6	5151.6	5422.8	5443.1	5482.0	5477.4	5496.1
22.5°	4615.4	4532.8	4545.3	4601.4	4744.8	4947.4	5235.8	5302.8	5327.7	5344.9	5365.1
25°	3661.5	4317.7	4437.7	4473.6	4567.1	4685.5	5025.3	5050.3	5097.0	5173.4	5229.5
27.5°	3172.0	3617.8	4097.9	4347.3	4406.5	4504.7	4707.4	4744.8	4903.8	4922.5	5009.8
30°	2503.3	2847.8	3564.8	4164.9	4263.1	4331.7	4475.1	4549.9	4618.5	4693.3	4785.3
32.5°	2355.2	2409.8	2807.3	3446.3	4210.1	4158.7	4264.7	4309.9	4384.7	4450.2	4517.2
35°	2219.6	2257.0	2341.2	2822.9	3429.2	4016.8	4088.5	4118.2	4160.2	4210.1	4258.4
37.5°	2077.8	2133.9	2191.6	2320.9	3172.0	3904.6	3903.1	3937.3	3962.3	4004.4	4044.9
40°	377.2	1959.3	2052.8	2137.0	2459.7	3114.3	3728.5	3744.1	3761.2	3787.7	3829.8
42.5°	60.8	327.3	1923.5	2004.5	2096.5	2788.6	3649.0	3585.1	3574.2	3592.9	3630.3
45°	31.2	79.5	386.6	1872.0	1954.6	2224.3	2983.4	3474.4	3463.5	3427.6	3435.4
47.5°	23.4	49.9	95.1	646.9	1829.9	1909.4	2752.7	2723.1	2930.4	3327.9	3267.1
50°	20.3	34.3	56.1	132.5	1616.4	1758.2	2119.9	2476.8	2585.9	2600.0	3076.9
52.5°	18.7	23.4	40.5	85.7	339.8	1625.8	1724.0	1848.7	2032.6	2426.9	2417.6
55°	17.1	21.8	34.3	57.7	118.5	1465.2	1566.5	1589.9	1628.9	1817.5	2066.9
57.5°	9.4	20.3	32.7	49.9	88.8	268.1	1421.6	1440.3	1471.4	1479.2	1568.1
60°	4.7	18.7	29.6	43.6	65.5	124.7	1278.2	1300.0	1318.7	1321.8	1349.9
62.5°	3.1	17.1	24.9	40.5	54.6	88.8	302.4	617.3	1173.7	1173.7	1206.5
65°	3.1	12.5	15.6	26.5	49.9	73.3	127.8	148.1	288.4	709.2	1058.4
67.5°	3.1	4.7	14.0	21.8	37.4	56.1	93.5	109.1	130.9	149.6	277.5
70°	3.1	3.1	12.5	14.0	23.4	42.1	67.0	76.4	88.8	101.3	116.9
72.5°	3.1	3.1	10.9	10.9	15.6	28.1	51.4	56.1	63.9	71.7	82.6
75°	7.8	6.2	9.4	9.4	10.9	21.8	39.0	43.6	46.8	53.0	60.8
77.5°	7.8	7.8	7.8	7.8	7.8	14.0	24.9	28.1	32.7	35.9	42.1
80°	6.2	6.2	6.2	7.8	7.8	9.4	15.6	17.1	18.7	23.4	24.9
82.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	9.4	10.9	14.0
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.2	6.2	6.2	6.2
87.5°	4.7	4.7	4.7	3.1	3.1	4.7	4.7	4.7	4.7	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-LD5-95SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5226.4	5217.1	5209.3	5213.9	5199.9	5193.7	5198.4	5199.9	5203.0	5210.8	5212.4
5°	5212.4	5209.3	5223.3	5231.1	5228.0	5231.1	5231.1	5224.9	5215.5	5221.7	5207.7
7.5°	5203.0	5182.8	5167.2	5170.3	5154.7	5173.4	5190.6	5215.5	5223.3	5223.3	5207.7
10°	5363.6	5341.8	5254.5	5195.2	5156.3	5122.0	5203.0	5120.4	5159.4	5011.3	5181.2
12.5°	5496.1	5525.7	5486.7	5324.6	5296.6	5193.7	5252.9	5151.6	5122.0	4952.1	5006.6
15°	5549.1	5493.0	5480.5	5435.3	5374.5	5344.9	5185.9	5168.7	5120.4	5139.1	5067.4
17.5°	5502.3	5530.4	5493.0	5463.3	5401.0	5330.9	5235.8	5151.6	5084.6	4934.9	5061.2
20°	5457.1	5494.5	5382.3	5401.0	5407.2	5326.2	5276.3	5206.2	5122.0	4981.7	4872.6
22.5°	5382.3	5355.8	5365.1	5337.1	5313.7	5324.6	5256.0	5207.7	5065.9	5002.0	4853.9
25°	5260.7	5251.4	5276.3	5273.2	5217.1	5198.4	5164.1	5112.6	5056.5	4953.6	4832.1
27.5°	5062.8	5111.1	5154.7	5175.0	5145.4	5095.5	5076.8	5047.2	5008.2	4903.8	4813.4
30°	4853.9	4908.4	4958.3	5002.0	5028.5	5006.6	4989.5	4972.3	4913.1	4844.5	4743.2
32.5°	4615.4	4687.1	4755.7	4808.7	4866.4	4883.5	4871.0	4857.0	4807.1	4744.8	4663.7
35°	4339.5	4437.7	4537.5	4632.5	4657.5	4698.0	4738.5	4715.2	4688.7	4626.3	4551.5
37.5°	4105.7	4175.8	4247.5	4367.6	4454.8	4506.3	4578.0	4587.3	4542.1	4512.5	4414.3
40°	3864.1	3928.0	4032.4	4102.6	4222.6	4281.8	4358.2	4392.5	4381.6	4364.4	4278.7
42.5°	3673.9	3705.1	3773.7	3836.0	3954.5	4076.1	4143.1	4180.5	4219.5	4205.5	4161.8
45°	3471.3	3499.3	3522.7	3577.3	3692.6	3800.2	3882.8	3938.9	4009.1	4041.8	3988.8
47.5°	3270.2	3278.0	3306.1	3351.3	3419.9	3502.5	3641.2	3725.4	3790.8	3854.7	3820.4
50°	3115.9	3087.8	3092.5	3120.6	3176.7	3257.7	3357.5	3476.0	3550.8	3628.7	3636.5
52.5°	2723.1	2950.7	2896.1	2911.7	2941.3	2980.3	3084.7	3201.6	3293.6	3360.6	3427.6
55°	2285.1	2330.3	2768.3	2706.0	2724.7	2758.9	2807.3	2924.2	3013.0	3106.5	3200.1
57.5°	1772.3	2109.0	2126.1	2531.4	2522.0	2525.1	2565.7	2632.7	2721.5	2838.4	2917.9
60°	1377.9	1519.8	1795.7	1935.9	2291.3	2303.8	2327.2	2366.2	2442.5	2553.2	2679.5
62.5°	1215.8	1234.5	1332.7	1543.1	1773.8	2052.8	2102.7	2109.0	2143.3	2253.9	2400.4
65°	1067.7	1080.2	1109.8	1131.6	1324.9	1594.6	1834.6	1873.6	1895.4	1960.9	2085.6
67.5°	735.7	930.6	957.1	972.6	991.4	1116.0	1413.8	1611.7	1636.7	1694.3	1803.4
70°	141.8	294.6	805.9	823.0	832.4	860.4	908.7	1223.6	1388.8	1443.4	1493.3
72.5°	96.6	113.8	137.2	324.2	685.8	701.4	712.3	752.9	1031.9	1190.9	1217.4
75°	70.1	77.9	92.0	113.8	140.3	456.7	565.8	586.1	606.3	837.0	971.1
77.5°	49.9	56.1	62.3	73.3	85.7	110.7	159.0	438.0	458.3	469.2	662.5
80°	28.1	34.3	42.1	48.3	54.6	62.3	81.1	101.3	226.0	330.5	347.6
82.5°	15.6	18.7	21.8	26.5	29.6	37.4	45.2	54.6	71.7	106.0	224.5
85°	7.8	7.8	7.8	10.9	12.5	17.1	20.3	23.4	32.7	45.2	62.3
87.5°	4.7	4.7	6.2	6.2	6.2	7.8	7.8	7.8	9.4	14.0	20.3
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-LD5-95SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	5193.7	5193.7	5193.7	5193.7	5193.7
2.5°	5213.9	5209.3	5209.3	5228.0	5223.3
5°	5204.6	5199.9	5198.4	5218.6	5209.3
7.5°	5196.8	5179.7	5175.0	5193.7	5185.9
10°	5165.6	5153.2	5161.0	5154.7	5151.6
12.5°	5112.6	5104.8	5072.1	5075.2	5101.7
15°	5017.5	5048.7	4992.6	5042.5	5053.4
17.5°	4843.0	4913.1	4967.7	4997.3	5002.0
20°	4920.9	4944.3	4916.2	4917.8	4936.5
22.5°	4819.6	4830.5	4838.3	4828.9	4869.5
25°	4657.5	4615.4	4705.8	4724.5	4790.0
27.5°	4607.6	4573.3	4615.4	4612.3	4666.8
30°	4567.1	4456.4	4475.1	4504.7	4571.8
32.5°	4509.4	4334.8	4316.1	4381.6	4456.4
35°	4408.1	4242.9	4199.2	4241.3	4353.5
37.5°	4322.4	4115.0	4027.8	4083.9	4230.4
40°	4194.5	4015.3	3879.7	3929.6	4102.6
42.5°	4041.8	3929.6	3720.7	3755.0	3952.9
45°	3887.5	3787.7	3566.4	3583.5	3818.9
47.5°	3730.0	3638.1	3405.8	3408.9	3647.4
50°	3575.7	3454.1	3262.4	3207.9	3465.1
52.5°	3374.6	3262.4	3117.5	3028.6	3292.0
55°	3184.5	3058.2	2952.2	2815.1	3095.6
57.5°	2999.0	2858.7	2787.0	2610.9	2872.7
60°	2744.9	2677.9	2571.9	2403.6	2671.7
62.5°	2484.6	2462.8	2355.2	2180.7	2423.8
65°	2180.7	2232.1	2121.4	1971.8	2166.6
67.5°	1893.9	1985.8	1864.2	1772.3	1918.8
70°	1588.3	1694.3	1625.8	1593.0	1655.4
72.5°	1287.5	1390.4	1396.6	1373.2	1393.5
75°	994.5	1108.3	1170.6	1134.8	1139.4
77.5°	754.4	809.0	877.6	905.6	899.4
80°	466.1	561.1	617.3	674.9	654.7
82.5°	235.4	314.9	383.4	445.8	416.2
85°	98.2	126.3	176.1	232.3	222.9
87.5°	29.6	49.9	53.0	74.8	70.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)