

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-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-LD5-95SL-RM-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

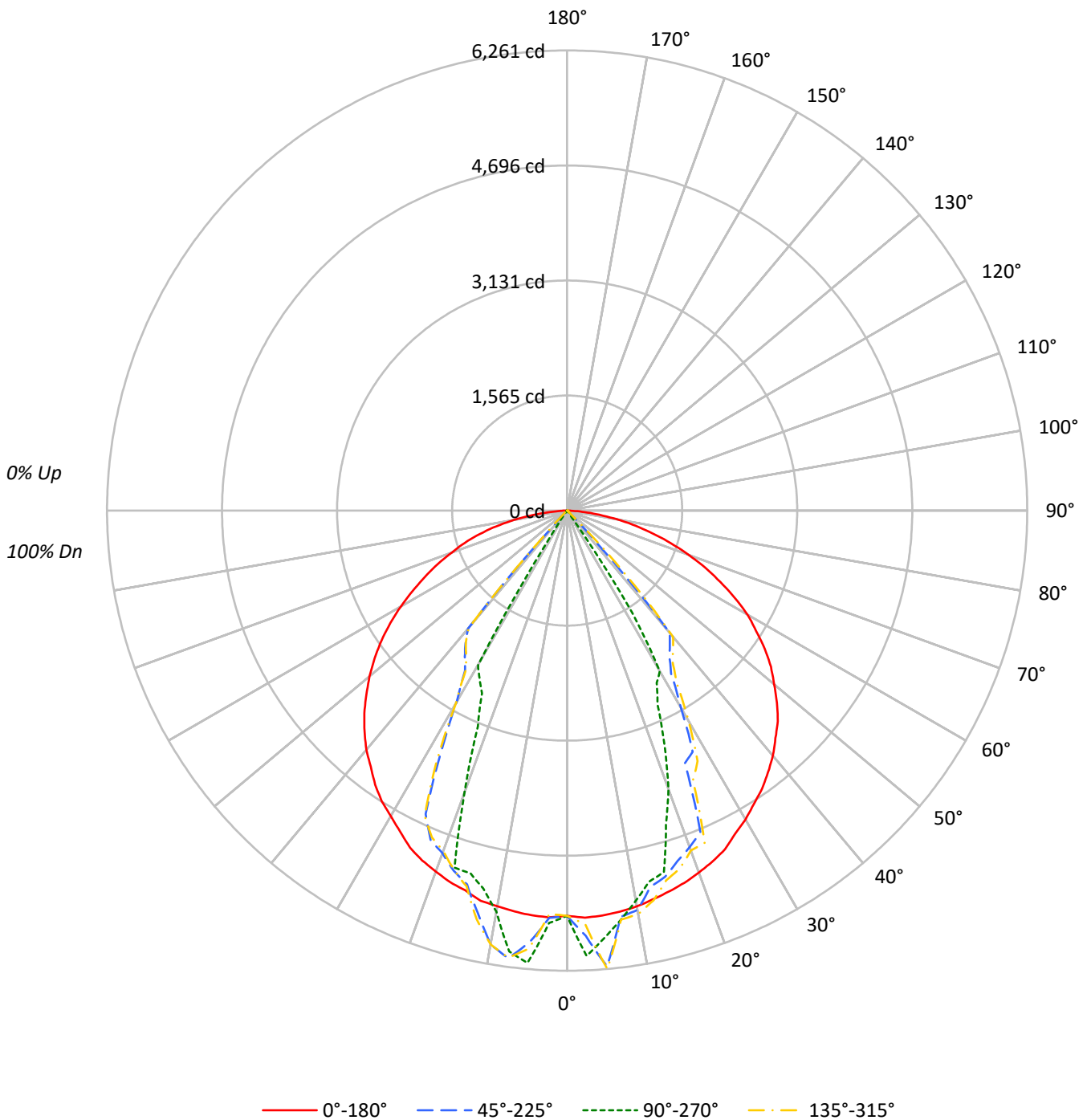
Lumens per Lamp: N/A
Luminaire Lumens: 7839.0 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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



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	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°	22275	22275	22275	22275
5°	22397	22910	22390	24261
10°	22374	20731	22360	21329
15°	22345	19350	22289	19400
20°	22404	15241	22340	15429
25°	22503	11029	22394	10408
30°	22439	9675	22201	9301
35°	22548	213	22216	259
40°	22672	47	22129	47
45°	22807	27	21950	21
50°	22698	22	21656	22
55°	22642	15	21251	15
60°	22313	16	20569	16
65°	21275	26	19759	17
70°	19903	29	18948	29
75°	17842	33	18134	33
80°	14853	37	15702	37
85°	9307	44	9503	44



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	553.1	7.1
10°-20°	1508.7	19.2
20°-30°	1919.8	24.5
30°-40°	1621.7	20.7
40°-50°	1060.2	13.5
50°-60°	668.0	8.5
60°-70°	355.6	4.5
70°-80°	129.7	1.7
80°-90°	22.3	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°	3981.5	50.8
0°-40°	5603.2	71.5
0°-60°	7331.4	93.5
0°-90°	7839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7839.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5513	5513	5513	5513	5513	
5°	5530	5834	5528	6178	5530	526
15°	5364	5091	5351	5104	5364	1516
25°	5084	2907	5060	2743	5084	2338
35°	4621	55	4553	66	4621	2891
45°	4054	7	3901	5	4054	3117
55°	3286	3	3084	3	3286	2928
65°	2300	5	2136	3	2300	2278
75°	1210	5	1229	5	1210	1284
85°	237	5	242	5	237	299
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	5544.4	5547.7	5549.4	5552.7	5557.6	5559.3	5562.6	5559.3	5559.3	5559.3	5559.3
5°	5529.5	5536.1	5541.1	5547.7	5559.3	5561.0	5574.2	5575.8	5582.5	5595.7	5605.6
7.5°	5504.7	5511.3	5521.2	5537.8	5554.3	5572.5	5595.7	5620.5	5655.3	5688.4	5729.7
10°	5468.3	5476.6	5488.2	5503.0	5584.1	5595.7	5647.0	5718.1	5738.0	5842.2	5920.0
12.5°	5415.4	5443.5	5473.3	5486.5	5564.3	5686.7	5858.8	5824.0	5786.0	6126.8	6121.8
15°	5364.1	5402.1	5387.2	5494.8	5565.9	5779.4	5706.6	5862.1	6146.7	6077.2	6080.5
17.5°	5309.5	5317.7	5400.5	5489.8	5617.2	5726.4	5815.8	6029.2	6085.4	6090.4	6029.2
20°	5240.0	5279.7	5400.5	5481.5	5696.6	5747.9	5941.5	6050.7	6027.5	5971.3	5867.0
22.5°	5168.8	5289.6	5412.0	5526.2	5676.8	5814.1	5910.1	5961.4	5840.6	5618.9	5499.7
25°	5084.4	5155.6	5316.1	5483.2	5671.8	5751.2	5807.5	5724.8	5567.6	5369.0	5168.8
27.5°	4953.7	5067.9	5273.1	5461.7	5632.1	5728.1	5637.1	5438.5	5185.4	5054.7	4963.7
30°	4852.8	5001.7	5170.5	5352.5	5529.5	5585.8	5354.1	5127.5	4953.7	4823.0	4803.2
32.5°	4730.4	4942.2	5102.6	5276.4	5425.3	5350.8	5125.8	4832.9	4689.0	4639.4	4659.2
35°	4621.2	4781.7	4991.8	5162.2	5269.8	5102.6	4746.9	4564.9	4495.4	4523.5	4487.1
37.5°	4490.5	4702.2	4895.8	5043.1	5006.7	4755.2	4454.1	4338.2	4346.5	4323.3	4253.9
40°	4354.8	4556.6	4758.5	4897.5	4770.1	4386.2	4186.0	4161.2	4166.2	4091.7	3992.4
42.5°	4195.9	4379.6	4581.5	4707.2	4432.5	4133.1	3997.4	4000.7	3957.7	3853.5	3800.5
45°	4053.7	4222.4	4432.5	4444.1	4106.6	3856.8	3817.1	3774.0	3678.1	3643.3	3603.6
47.5°	3871.7	4058.6	4232.3	4169.5	3787.3	3631.7	3602.0	3507.7	3459.7	3433.2	3400.1
50°	3678.1	3866.7	4025.5	3846.8	3486.1	3449.7	3352.1	3277.7	3244.6	3216.5	3186.7
52.5°	3494.4	3649.9	3812.1	3504.3	3254.5	3219.8	3108.9	3065.9	3032.8	3001.4	2994.7
55°	3285.9	3423.3	3534.1	3178.4	3032.8	2951.7	2872.3	2842.5	2811.1	2796.2	2821.0
57.5°	3049.3	3204.9	3188.3	2857.4	2792.9	2675.4	2645.6	2625.8	2602.6	2612.5	2405.7
60°	2835.9	2955.0	2874.0	2622.5	2513.3	2433.8	2407.4	2394.1	2407.4	2205.5	1939.1
62.5°	2572.8	2706.8	2543.0	2347.8	2232.0	2193.9	2170.8	2189.0	1995.4	1773.7	1709.2
65°	2299.8	2445.4	2203.9	2053.3	1980.5	1947.4	1945.8	1791.9	1601.6	1515.6	1515.6
67.5°	2036.8	2187.3	1876.3	1750.5	1722.4	1725.7	1629.7	1396.4	1343.5	1285.6	1118.5
70°	1757.1	1889.5	1550.3	1474.2	1457.7	1446.1	1212.8	1149.9	1087.0	933.2	919.9
72.5°	1479.2	1543.7	1245.9	1227.7	1224.4	1017.6	971.2	863.7	790.9	772.7	764.4
75°	1209.5	1189.6	984.5	1001.0	843.8	771.0	696.6	633.7	623.8	617.1	153.9
77.5°	954.7	855.4	776.0	675.1	603.9	512.9	498.0	488.1	321.0	115.8	94.3
80°	694.9	554.3	516.2	438.5	373.9	359.0	367.3	112.5	89.3	74.5	64.5
82.5°	441.8	354.1	289.5	253.1	246.5	107.5	79.4	64.5	56.3	48.0	39.7
85°	236.6	157.2	145.6	122.4	72.8	49.6	41.4	31.4	26.5	21.5	19.9
87.5°	74.5	62.9	51.3	41.4	24.8	16.5	13.2	11.6	9.9	8.3	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	5556.0	5559.3	5557.6	5562.6	5562.6	5569.2	5574.2	5579.2	5589.1	5594.0	5632.1
5°	5627.1	5635.4	5660.2	5683.4	5711.5	5719.8	5767.8	5779.4	5835.6	5842.2	6027.5
7.5°	5786.0	5817.4	5877.0	5936.5	5996.1	6034.2	6100.3	6141.7	6186.4	6226.1	6373.3
10°	5977.9	6030.8	6088.8	6148.3	6183.1	6255.9	6295.6	6302.2	6290.6	6226.1	5987.8
12.5°	6166.5	6219.5	6194.6	6206.2	6247.6	6118.5	6136.7	6044.1	6108.6	5789.3	5552.7
15°	6140.0	6136.7	6075.5	5877.0	5910.1	5663.5	5564.3	5488.2	5549.4	5516.3	5479.9
17.5°	6060.6	5910.1	5804.2	5565.9	5465.0	5395.5	5397.2	5398.8	5369.0	5400.5	5307.8
20°	5724.8	5556.0	5398.8	5314.4	5284.6	5235.0	5259.8	5235.0	5236.7	5246.6	5104.3
22.5°	5278.0	5226.7	5135.7	5162.2	5152.3	5197.0	5163.9	5112.6	5129.1	5054.7	4947.1
25°	5097.7	5038.1	5034.8	5044.7	5029.8	5010.0	4980.2	4902.4	4897.5	4874.3	4824.7
27.5°	4915.7	4919.0	4928.9	4899.1	4846.2	4806.5	4761.8	4723.7	4738.6	4712.2	4644.3
30°	4789.9	4788.3	4728.7	4702.2	4604.6	4606.3	4594.7	4571.5	4556.6	4558.3	4515.3
32.5°	4611.2	4559.9	4492.1	4459.0	4450.7	4421.0	4397.8	4402.8	4414.3	4373.0	4417.7
35°	4427.6	4321.7	4311.8	4283.6	4257.2	4237.3	4245.6	4212.5	4210.8	4205.9	3841.9
37.5°	4181.1	4129.8	4124.8	4095.0	4076.8	4071.9	4040.4	4045.4	4060.3	4086.7	3276.0
40°	3977.5	3931.2	3919.6	3918.0	3878.3	3875.0	3883.2	3914.7	3936.2	3770.7	3122.1
42.5°	3759.1	3762.5	3726.1	3702.9	3707.9	3722.7	3762.5	3653.3	3165.2	3016.3	2854.1
45°	3572.2	3555.6	3535.8	3529.2	3572.2	3542.4	3105.6	2865.7	2807.8	2801.2	2346.2
47.5°	3376.9	3372.0	3363.7	3368.7	3123.8	2784.6	2685.3	2653.9	2663.8	2657.2	2015.2
50°	3180.1	3186.7	3186.7	2783.0	2554.6	2498.4	2506.6	2534.8	2359.4	2202.2	1877.9
52.5°	3009.6	2958.3	2534.8	2389.2	2337.9	2362.7	2303.1	2083.1	1924.2	1831.6	1737.3
55°	2693.6	2316.4	2222.1	2198.9	2217.1	1997.0	1861.4	1719.1	1677.7	1667.8	1613.2
57.5°	2119.5	2043.4	2051.6	1959.0	1748.9	1624.8	1570.2	1550.3	1532.1	1518.9	132.4
60°	1874.6	1896.1	1735.6	1537.1	1452.7	1436.2	1422.9	1404.7	1401.4	1378.2	84.4
62.5°	1715.8	1509.0	1370.0	1320.3	1300.5	1295.5	1270.7	1262.4	1072.2	147.3	62.9
65°	1293.9	1209.5	1183.0	1171.4	1149.9	1149.9	954.7	150.6	122.4	105.9	56.3
67.5°	1055.6	1049.0	1035.8	1020.9	694.9	145.6	127.4	110.9	96.0	84.4	49.6
70°	893.5	890.1	810.7	148.9	124.1	109.2	96.0	86.0	79.4	71.1	44.7
72.5°	733.0	148.9	125.7	109.2	94.3	86.0	77.8	69.5	62.9	57.9	36.4
75°	114.2	100.9	89.3	81.1	74.5	66.2	59.6	54.6	52.9	46.3	24.8
77.5°	82.7	71.1	64.5	57.9	51.3	46.3	39.7	34.7	31.4	26.5	18.2
80°	57.9	51.3	46.3	38.1	33.1	28.1	24.8	21.5	19.9	16.5	8.3
82.5°	33.1	28.1	24.8	19.9	18.2	14.9	13.2	11.6	11.6	8.3	8.3
85°	14.9	14.9	11.6	9.9	8.3	8.3	8.3	6.6	6.6	5.0	5.0
87.5°	6.6	6.6	6.6	6.6	6.6	5.0	5.0	5.0	5.0	5.0	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	5685.0	5706.6	5747.9	5790.9	5743.0	5915.0	5901.8	5959.7	5991.1	6006.0	6040.8
5°	6191.3	6287.3	6318.7	6224.4	6169.8	6113.6	5986.2	5890.2	5901.8	5870.4	5756.2
7.5°	6181.4	5976.2	5699.9	5574.2	5564.3	5549.4	5589.1	5612.2	5615.6	5613.9	5610.6
10°	5658.6	5552.7	5534.5	5517.9	5524.6	5463.3	5435.2	5355.8	5398.8	5375.6	5383.9
12.5°	5499.7	5474.9	5377.3	5241.6	5322.7	5261.5	5226.7	5249.9	5223.4	5198.6	5190.3
15°	5405.4	5244.9	5190.3	5157.2	5134.1	5120.8	5132.4	5106.0	5097.7	5092.7	5104.3
17.5°	5210.2	5145.7	5086.1	4998.4	5000.1	4995.1	5028.2	5077.8	5081.1	4826.3	4596.3
20°	5056.3	5003.4	4927.3	4872.7	4947.1	4814.7	4303.5	4060.3	4022.2	4022.2	4028.8
22.5°	4933.9	4816.4	4821.4	4735.3	4038.8	3896.5	3899.8	3914.7	3846.8	3615.2	3590.4
25°	4766.8	4748.6	4386.2	3790.6	3795.5	3684.7	3514.3	3274.4	3014.6	3014.6	2971.6
27.5°	4641.0	4255.5	3726.1	3701.2	3329.0	3094.0	2948.4	2728.4	2698.6	2670.4	2673.8
30°	4533.5	3600.3	3613.5	3094.0	2819.4	2624.1	2612.5	2576.1	2557.9	2553.0	2534.8
32.5°	3583.8	3506.0	3024.5	2634.0	2526.5	2495.1	2480.2	2438.8	2437.2	2405.7	2187.3
35°	3360.4	3077.5	2531.5	2425.6	2394.1	2364.4	2339.5	1570.2	185.3	74.5	64.5
37.5°	3105.6	2571.2	2341.2	2293.2	2263.4	1672.8	167.1	57.9	41.4	29.8	26.5
40°	2632.4	2296.5	2223.7	2170.8	895.1	57.9	36.4	28.1	16.5	14.9	13.2
42.5°	2220.4	2164.2	2086.4	635.3	66.2	28.1	18.2	13.2	11.6	11.6	9.9
45°	2078.1	2028.5	840.5	62.9	41.4	13.2	11.6	11.6	9.9	6.6	6.6
47.5°	1945.8	1712.5	76.1	39.7	26.5	11.6	9.9	6.6	6.6	6.6	5.0
50°	1805.1	94.3	52.9	29.8	16.5	6.6	6.6	6.6	6.6	5.0	5.0
52.5°	337.5	66.2	43.0	26.5	8.3	6.6	6.6	6.6	5.0	5.0	5.0
55°	79.4	52.9	39.7	23.2	6.6	6.6	6.6	5.0	5.0	5.0	3.3
57.5°	59.6	39.7	31.4	21.5	6.6	5.0	5.0	5.0	5.0	5.0	3.3
60°	49.6	28.1	24.8	19.9	5.0	5.0	5.0	5.0	5.0	5.0	3.3
62.5°	34.7	23.2	18.2	14.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0
65°	28.1	18.2	14.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
67.5°	24.8	14.9	9.9	3.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0
70°	19.9	5.0	5.0	3.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0
72.5°	16.5	5.0	3.3	3.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0
75°	16.5	8.3	3.3	3.3	5.0	5.0	6.6	6.6	5.0	5.0	5.0
77.5°	11.6	8.3	3.3	3.3	5.0	5.0	6.6	6.6	5.0	5.0	5.0
80°	6.6	8.3	3.3	5.0	5.0	9.9	11.6	6.6	5.0	5.0	5.0
82.5°	6.6	8.3	9.9	9.9	5.0	8.3	9.9	8.3	6.6	5.0	5.0
85°	6.6	5.0	6.6	8.3	5.0	8.3	8.3	6.6	6.6	5.0	5.0
87.5°	3.3	5.0	5.0	6.6	6.6	6.6	8.3	6.6	6.6	6.6	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	6057.3	6063.9	5959.7	5923.3	5954.7	5948.1	5920.0	5815.8	5804.2	5734.7	5633.8
5°	5789.3	5834.0	5779.4	5873.7	5829.0	5873.7	6009.3	6072.2	6174.8	6237.7	6260.8
7.5°	5602.3	5612.2	5612.2	5620.5	5628.8	5630.4	5620.5	5613.9	5585.8	5551.0	5613.9
10°	5375.6	5387.2	5407.1	5403.8	5402.1	5436.9	5445.1	5516.3	5513.0	5526.2	5574.2
12.5°	5258.2	5168.8	5249.9	5228.4	5258.2	5211.8	5297.9	5283.0	5288.0	5327.7	5430.2
15°	5062.9	5091.1	5110.9	5110.9	5122.5	5112.6	5102.6	5170.5	5211.8	5213.5	5206.9
17.5°	4687.3	4473.9	4692.3	4636.1	5084.4	5096.0	5058.0	5026.5	5026.5	5051.4	5104.3
20°	4023.9	4028.8	4030.5	4052.0	4078.5	4076.8	4078.5	4730.4	5039.8	4968.6	4920.6
22.5°	3527.5	3466.3	3580.5	3572.2	3714.5	3871.7	4022.2	4007.3	4017.3	4477.2	4890.9
25°	2827.6	2907.0	2842.5	2870.6	3031.1	3218.1	3333.9	3636.7	3966.0	3942.8	4050.3
27.5°	2662.2	2640.7	2670.4	2670.4	2692.0	2716.8	2781.3	2951.7	3244.6	3552.3	3843.5
30°	2505.0	2523.2	2526.5	2556.3	2572.8	2589.4	2599.3	2663.8	2730.0	2943.5	3302.5
32.5°	1881.2	1649.6	2170.8	2311.4	2430.5	2458.7	2478.5	2505.0	2553.0	2584.4	2764.8
35°	54.6	54.6	57.9	66.2	84.4	569.2	2167.5	2389.2	2420.6	2460.3	2493.4
37.5°	26.5	19.9	23.2	24.8	29.8	41.4	59.6	185.3	2063.2	2332.9	2369.3
40°	11.6	11.6	11.6	11.6	13.2	16.5	24.8	41.4	62.9	1659.5	2238.6
42.5°	9.9	9.9	9.9	9.9	9.9	9.9	11.6	14.9	29.8	71.1	1174.7
45°	6.6	6.6	5.0	6.6	6.6	8.3	9.9	9.9	13.2	44.7	81.1
47.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	8.3	9.9	29.8	43.0
50°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	23.2	29.8
52.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	9.9	26.5
55°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.0	5.0	6.6	23.2
57.5°	3.3	3.3	3.3	3.3	3.3	5.0	3.3	3.3	5.0	5.0	21.5
60°	3.3	3.3	3.3	3.3	3.3	5.0	5.0	5.0	5.0	5.0	19.9
62.5°	5.0	5.0	3.3	5.0	3.3	3.3	5.0	5.0	5.0	5.0	13.2
65°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.3	5.0
67.5°	5.0	5.0	5.0	5.0	3.3	5.0	3.3	5.0	5.0	3.3	3.3
70°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.3	3.3	3.3	3.3
72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.3	3.3	3.3	3.3
75°	5.0	5.0	5.0	5.0	5.0	5.0	6.6	6.6	3.3	3.3	3.3
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	8.3	9.9	8.3	8.3	3.3
80°	5.0	5.0	5.0	5.0	5.0	5.0	8.3	8.3	8.3	8.3	11.6
82.5°	5.0	5.0	5.0	5.0	5.0	5.0	6.6	6.6	6.6	6.6	8.3
85°	5.0	5.0	5.0	5.0	5.0	5.0	6.6	6.6	6.6	5.0	6.6
87.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.6	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	5642.0	5585.8	5567.6	5529.5	5526.2	5529.5	5521.2	5509.7	5516.3	5504.7	5494.8
5°	6274.1	6123.5	6025.9	5895.2	5714.8	5675.1	5665.2	5608.9	5589.1	5582.5	5556.0
7.5°	5762.8	6037.5	6202.9	6259.2	6047.4	5997.8	5939.8	5893.5	5848.8	5764.5	5713.2
10°	5536.1	5549.4	5708.2	5893.5	6194.6	6236.0	6267.4	6166.5	6138.4	5923.3	5877.0
12.5°	5483.2	5484.8	5503.0	5615.6	5852.2	5878.6	5989.5	6049.0	6121.8	6163.2	6130.1
15°	5241.6	5375.6	5474.9	5484.8	5506.4	5552.7	5585.8	5792.6	5880.3	6115.2	6102.0
17.5°	5129.1	5172.1	5316.1	5433.6	5413.7	5397.2	5423.6	5451.8	5536.1	5771.1	5767.8
20°	4942.2	5079.5	5157.2	5279.7	5390.5	5395.5	5365.7	5349.2	5316.1	5354.1	5388.9
22.5°	4862.7	4884.2	5029.8	5115.9	5241.6	5286.3	5292.9	5294.6	5276.4	5256.5	5246.6
25°	4854.5	4786.6	4861.1	4968.6	5061.3	5109.3	5163.9	5182.1	5175.4	5175.4	5165.5
27.5°	3972.6	4765.1	4725.4	4796.5	4909.1	4942.2	4970.3	5026.5	5061.3	5086.1	5097.7
30°	3784.0	3926.3	4619.5	4629.4	4743.6	4740.3	4771.7	4818.1	4862.7	4920.6	4935.5
32.5°	3347.2	3696.3	4229.0	4462.3	4581.5	4593.0	4609.6	4622.8	4664.2	4728.7	4785.0
35°	2682.0	3367.0	3623.5	4382.9	4404.4	4427.6	4437.5	4468.9	4482.2	4508.7	4558.3
37.5°	2427.2	2783.0	3476.2	3790.6	4200.9	4220.8	4273.7	4286.9	4308.5	4330.0	4368.0
40°	2280.0	2377.6	2893.8	3385.2	4037.1	4050.3	4068.5	4101.6	4103.3	4128.1	4162.9
42.5°	2162.5	2225.4	2375.9	3233.0	3921.3	3919.6	3876.6	3898.1	3908.1	3934.5	3982.5
45°	1727.4	2088.0	2184.0	2640.7	3122.1	3347.2	3779.0	3707.9	3706.2	3716.1	3767.4
47.5°	87.7	1964.0	2031.8	2179.0	2948.4	2956.7	3012.9	3486.1	3558.9	3535.8	3540.7
50°	59.6	135.7	1892.8	1960.6	2541.4	2746.6	2787.9	2809.4	3082.4	3386.9	3337.2
52.5°	46.3	77.8	1159.8	1820.0	2064.9	2215.4	2481.8	2634.0	2650.6	2773.0	3188.3
55°	41.4	59.6	125.7	1679.4	1755.5	1788.6	1944.1	2210.5	2425.6	2490.1	2495.1
57.5°	36.4	54.6	86.0	759.4	1596.6	1603.3	1629.7	1722.4	1916.0	2093.0	2293.2
60°	33.1	48.0	67.8	130.7	1451.0	1467.6	1472.6	1497.4	1520.5	1641.3	1871.3
62.5°	19.9	38.1	59.6	94.3	1148.3	1318.7	1317.0	1333.6	1355.1	1368.3	1414.6
65°	16.5	29.8	51.3	79.4	140.6	175.4	1065.5	1184.7	1197.9	1216.1	1224.4
67.5°	14.9	26.5	38.1	62.9	105.9	120.8	139.0	172.1	939.8	1058.9	1075.5
70°	13.2	18.2	31.4	52.9	86.0	92.7	104.2	119.1	140.6	173.7	850.4
72.5°	8.3	13.2	21.5	38.1	66.2	74.5	81.1	91.0	100.9	120.8	139.0
75°	3.3	9.9	18.2	28.1	51.3	56.3	61.2	67.8	76.1	89.3	99.3
77.5°	3.3	8.3	14.9	19.9	33.1	38.1	44.7	49.6	56.3	62.9	72.8
80°	11.6	6.6	9.9	14.9	23.2	24.8	28.1	31.4	36.4	41.4	48.0
82.5°	8.3	9.9	11.6	9.9	11.6	14.9	16.5	19.9	21.5	24.8	26.5
85°	6.6	6.6	8.3	8.3	8.3	8.3	8.3	8.3	9.9	11.6	14.9
87.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.6	6.6
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	5494.8	5491.5	5481.5	5481.5	5479.9	5486.5	5491.5	5496.4	5494.8	5504.7	5494.8
5°	5536.1	5527.9	5513.0	5499.7	5494.8	5498.1	5493.1	5498.1	5491.5	5499.7	5484.8
7.5°	5650.3	5622.2	5564.3	5541.1	5511.3	5509.7	5494.8	5491.5	5481.5	5481.5	5463.3
10°	5852.2	5716.5	5699.9	5630.4	5605.6	5484.8	5511.3	5466.6	5461.7	5440.2	5431.9
12.5°	6017.6	5911.7	5880.3	5819.1	5749.6	5504.7	5559.3	5463.3	5458.4	5415.4	5370.7
15°	6020.9	6082.1	5996.1	5827.3	5812.4	5643.7	5532.8	5499.7	5456.7	5327.7	5349.2
17.5°	5827.3	5968.0	6009.3	5972.9	5867.0	5752.9	5597.4	5531.2	5402.1	5344.2	5304.5
20°	5513.0	5655.3	5832.3	5843.9	5910.1	5829.0	5625.5	5517.9	5362.4	5261.5	5228.4
22.5°	5263.1	5367.4	5570.9	5665.2	5746.3	5774.4	5645.3	5486.5	5292.9	5195.3	5175.4
25°	5130.8	5153.9	5215.2	5326.0	5504.7	5633.8	5652.0	5483.2	5382.3	5168.8	5056.3
27.5°	5082.8	5062.9	5038.1	5094.4	5228.4	5385.6	5489.8	5517.9	5266.4	5062.9	4950.4
30°	4960.4	4971.9	4933.9	4914.0	5001.7	5163.9	5349.2	5395.5	5201.9	4991.8	4862.7
32.5°	4809.8	4829.6	4836.3	4801.5	4783.3	4895.8	5096.0	5206.9	5197.0	4890.9	4746.9
35°	4621.2	4677.4	4692.3	4694.0	4664.2	4646.0	4761.8	4991.8	5079.5	4844.5	4636.1
37.5°	4422.6	4439.2	4520.2	4541.7	4541.7	4487.1	4573.2	4756.8	4879.3	4740.3	4500.4
40°	4174.4	4227.4	4303.5	4341.5	4379.6	4384.6	4336.6	4465.6	4667.5	4632.7	4373.0
42.5°	3994.1	4028.8	4075.2	4126.5	4204.2	4224.1	4174.4	4197.6	4407.7	4498.7	4207.5
45°	3784.0	3830.3	3843.5	3899.8	3980.9	4038.8	4037.1	3989.1	4157.9	4270.4	4086.7
47.5°	3568.9	3613.5	3636.7	3664.8	3724.4	3798.9	3840.2	3818.7	3851.8	4071.9	3926.3
50°	3347.2	3372.0	3418.3	3449.7	3489.5	3532.5	3631.7	3651.6	3605.3	3780.7	3749.2
52.5°	3137.0	3145.3	3176.7	3208.2	3261.1	3292.6	3372.0	3431.5	3428.2	3479.5	3552.3
55°	2973.2	2936.8	2943.5	2968.3	3003.0	3051.0	3095.7	3188.3	3219.8	3229.7	3345.5
57.5°	2323.0	2696.9	2730.0	2728.4	2769.7	2791.2	2832.6	2893.8	3006.3	2981.5	3110.6
60°	2111.2	2152.6	2465.3	2501.7	2516.6	2536.4	2586.1	2642.3	2725.0	2778.0	2834.2
62.5°	1609.9	1861.4	1955.7	2232.0	2275.0	2286.6	2319.7	2346.2	2432.2	2553.0	2529.8
65°	1245.9	1353.4	1641.3	1753.8	1988.8	2018.6	2064.9	2093.0	2117.8	2256.8	2263.4
67.5°	1077.1	1093.7	1171.4	1388.2	1537.1	1767.1	1795.2	1820.0	1858.1	1957.3	2018.6
70°	919.9	939.8	961.3	979.5	1173.1	1325.3	1538.7	1547.0	1571.8	1638.0	1777.0
72.5°	173.7	785.9	799.1	810.7	832.2	933.2	1136.7	1302.1	1312.1	1343.5	1470.9
75°	117.5	137.3	188.6	648.6	670.1	676.7	711.5	918.3	1070.5	1077.1	1133.4
77.5°	84.4	94.3	114.2	135.7	345.8	519.5	527.8	565.9	723.0	837.2	847.1
80°	57.9	64.5	76.1	86.0	105.9	139.0	383.9	395.4	415.3	572.5	602.3
82.5°	33.1	38.1	44.7	54.6	62.9	79.4	102.6	132.4	269.7	287.9	382.2
85°	16.5	18.2	21.5	26.5	31.4	38.1	51.3	62.9	86.0	155.5	160.5
87.5°	8.3	8.3	8.3	8.3	13.2	14.9	18.2	23.2	29.8	44.7	57.9
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	5496.4	5519.6	5539.4	5544.4	5544.4	5547.7	5552.7	5556.0	5559.3	5562.6	5559.3
5°	5486.5	5511.3	5527.9	5532.8	5532.8	5542.8	5551.0	5561.0	5565.9	5565.9	5562.6
7.5°	5461.7	5479.9	5501.4	5514.6	5516.3	5532.8	5547.7	5546.1	5552.7	5556.0	5564.3
10°	5428.6	5428.6	5465.0	5474.9	5483.2	5501.4	5506.4	5516.3	5539.4	5542.8	5564.3
12.5°	5412.0	5395.5	5438.5	5443.5	5471.6	5448.4	5478.2	5488.2	5465.0	5496.4	5455.1
15°	5337.6	5357.4	5350.8	5365.7	5415.4	5388.9	5470.0	5443.5	5503.0	5431.9	5557.6
17.5°	5276.4	5273.1	5299.5	5312.8	5322.7	5379.0	5400.5	5430.2	5453.4	5433.6	5483.2
20°	5231.7	5205.2	5225.1	5240.0	5274.7	5317.7	5331.0	5286.3	5364.1	5496.4	5527.9
22.5°	5147.3	5129.1	5152.3	5152.3	5205.2	5198.6	5248.2	5220.1	5292.9	5446.8	5607.3
25°	5033.2	5034.8	5059.6	5089.4	5099.3	5173.8	5200.3	5236.7	5327.7	5511.3	5608.9
27.5°	4917.3	4907.4	4922.3	4983.5	5034.8	5089.4	5097.7	5221.8	5345.9	5471.6	5557.6
30°	4801.5	4791.6	4801.5	4846.2	4907.4	4943.8	5034.8	5200.3	5316.1	5402.1	5483.2
32.5°	4677.4	4667.5	4690.7	4723.7	4831.3	4836.3	5016.6	5172.1	5263.1	5326.0	5311.1
35°	4545.1	4531.8	4553.3	4604.6	4703.9	4740.3	4928.9	5044.7	5147.3	5177.1	5107.6
37.5°	4386.2	4363.1	4389.5	4460.7	4564.9	4670.8	4828.0	4962.0	5016.6	4937.2	4854.5
40°	4220.8	4204.2	4250.5	4286.9	4409.4	4556.6	4737.0	4831.3	4796.5	4705.5	4614.5
42.5°	4073.5	4038.8	4080.1	4149.6	4288.6	4455.7	4601.3	4654.3	4571.5	4437.5	4331.6
45°	3893.2	3851.8	3901.4	3994.1	4143.0	4333.3	4447.4	4429.2	4288.6	4172.8	4027.2
47.5°	3704.5	3654.9	3704.5	3815.4	3982.5	4184.4	4267.1	4184.4	4007.3	3861.7	3744.3
50°	3519.2	3461.3	3509.3	3676.4	3840.2	3995.7	3994.1	3833.6	3727.7	3568.9	3466.3
52.5°	3335.6	3252.9	3300.8	3482.8	3646.6	3823.7	3693.0	3544.1	3416.7	3277.7	3244.6
55°	3108.9	3019.6	3084.1	3348.8	3474.6	3578.8	3370.3	3239.6	3113.9	3044.4	3003.0
57.5°	2893.8	2796.2	2852.4	3165.2	3257.8	3284.3	3092.4	2907.0	2832.6	2809.4	2749.9
60°	2672.1	2561.2	2614.2	2974.9	3039.4	2931.9	2743.2	2599.3	2584.4	2538.1	2491.8
62.5°	2460.3	2337.9	2371.0	2738.3	2768.1	2572.8	2399.1	2361.0	2324.6	2278.3	2253.5
65°	2217.1	2089.7	2136.0	2486.8	2458.7	2207.2	2109.6	2101.3	2053.3	2015.2	2051.6
67.5°	1993.7	1843.2	1907.7	2212.1	2084.7	1879.6	1839.9	1820.0	1782.0	1803.5	1421.3
70°	1748.9	1585.1	1672.8	1916.0	1727.4	1591.7	1576.8	1547.0	1548.7	1231.0	1037.4
72.5°	1475.9	1333.6	1461.0	1591.7	1366.7	1327.0	1305.4	1302.1	1050.6	853.7	805.8
75°	1236.0	1092.0	1229.3	1279.0	1088.7	1062.2	1060.6	876.9	689.9	658.5	643.6
77.5°	964.6	853.7	984.5	910.0	835.5	805.8	723.0	542.7	519.5	498.0	187.0
80°	650.2	658.5	734.6	627.1	595.6	507.9	400.4	383.9	330.9	132.4	104.2
82.5°	395.4	496.4	468.2	392.1	383.9	276.3	253.1	129.1	96.0	76.1	66.2
85°	205.2	251.5	241.6	213.4	158.8	142.3	79.4	61.2	49.6	38.1	31.4
87.5°	69.5	92.7	89.3	71.1	54.6	43.0	28.1	23.2	16.5	13.2	11.6
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	5556.0	5556.0	5552.7	5556.0	5557.6	5554.3	5554.3	5557.6	5559.3	5561.0	5569.2
5°	5564.3	5567.6	5572.5	5582.5	5584.1	5604.0	5612.2	5617.2	5622.2	5623.8	5612.2
7.5°	5582.5	5594.0	5604.0	5602.3	5590.7	5559.3	5549.4	5541.1	5556.0	5594.0	5638.7
10°	5599.0	5546.1	5446.8	5582.5	5541.1	5579.2	5691.7	5716.5	5792.6	5900.1	5931.6
12.5°	5484.8	5630.4	5661.9	5509.7	5790.9	5686.7	5810.8	5920.0	5951.4	6060.6	5994.4
15°	5607.3	5678.4	5726.4	5878.6	5862.1	5951.4	5986.2	5964.7	5969.6	5997.8	6072.2
17.5°	5605.6	5747.9	5779.4	5881.9	5951.4	5953.1	5943.2	5933.2	5959.7	5981.2	5936.5
20°	5701.6	5747.9	5809.1	5850.5	5863.7	5880.3	5911.7	5886.9	5837.3	5789.3	5769.4
22.5°	5653.6	5757.8	5810.8	5817.4	5809.1	5757.8	5711.5	5642.0	5618.9	5594.0	5602.3
25°	5663.5	5711.5	5704.9	5678.4	5643.7	5547.7	5524.6	5494.8	5450.1	5342.6	5244.9
27.5°	5592.4	5567.6	5537.8	5473.3	5410.4	5359.1	5301.2	5205.2	5125.8	5010.0	4967.0
30°	5473.3	5374.0	5301.2	5263.1	5201.9	5115.9	5028.2	4910.7	4809.8	4786.6	4765.1
32.5°	5244.9	5147.3	5087.8	4995.1	4890.9	4788.3	4687.3	4641.0	4619.5	4622.8	4603.0
35°	5011.6	4925.6	4836.3	4697.3	4619.5	4516.9	4480.5	4470.6	4450.7	4429.2	4406.1
37.5°	4763.5	4662.5	4528.5	4445.8	4368.0	4326.7	4308.5	4293.6	4258.8	4220.8	4194.3
40°	4523.5	4341.5	4267.1	4186.0	4162.9	4144.7	4118.2	4081.8	4033.8	4027.2	4015.6
42.5°	4202.6	4071.9	4007.3	3990.8	3962.7	3931.2	3908.1	3868.3	3848.5	3861.7	3871.7
45°	3898.1	3831.9	3810.4	3790.6	3737.6	3693.0	3678.1	3664.8	3681.4	3754.2	3580.5
47.5°	3651.6	3625.1	3598.7	3565.6	3515.9	3482.8	3497.7	3511.0	3525.9	2991.4	2730.0
50°	3438.2	3401.8	3360.4	3324.0	3294.2	3290.9	3368.7	3135.4	2625.8	2612.5	2347.8
52.5°	3204.9	3150.3	3125.5	3103.9	3117.2	3166.8	2620.8	2432.2	2332.9	2026.8	1891.2
55°	2953.4	2905.4	2905.4	2925.2	2854.1	2313.1	2284.9	1975.5	1788.6	1735.6	1714.1
57.5°	2701.9	2696.9	2725.0	2491.8	2099.6	2013.6	1692.6	1624.8	1595.0	1588.4	1553.6
60°	2471.9	2518.2	2107.9	1939.1	1686.0	1520.5	1474.2	1465.9	1434.5	1422.9	1391.5
62.5°	2288.2	1897.8	1767.1	1442.8	1358.4	1336.9	1312.1	1300.5	1272.4	1123.4	329.3
65°	1652.9	1561.9	1267.4	1212.8	1206.2	1174.7	1164.8	1047.3	246.5	165.5	140.6
67.5°	1247.5	1106.9	1068.8	1058.9	1027.5	964.6	286.2	163.8	140.6	122.4	107.5
70°	958.0	933.2	905.0	881.9	259.8	162.1	140.6	119.1	102.6	91.0	82.7
72.5°	784.3	767.7	446.7	170.4	139.0	117.5	104.2	91.0	79.4	72.8	66.2
75°	613.8	170.4	140.6	117.5	100.9	86.0	76.1	67.8	61.2	56.3	51.3
77.5°	139.0	112.5	96.0	81.1	72.8	64.5	57.9	49.6	44.7	39.7	33.1
80°	86.0	74.5	62.9	57.9	49.6	41.4	36.4	33.1	26.5	24.8	21.5
82.5°	56.3	44.7	39.7	33.1	26.5	24.8	21.5	16.5	14.9	13.2	11.6
85°	24.8	21.5	18.2	14.9	11.6	9.9	8.3	6.6	6.6	6.6	6.6
87.5°	8.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	5572.5	5602.3	5630.4	5622.2	5592.4	5546.1	5532.8	5514.6	5527.9	5556.0	5567.6
5°	5612.2	5595.7	5655.3	5743.0	5885.2	5898.5	5997.8	6020.9	6100.3	6150.0	6148.3
7.5°	5668.5	5903.4	6001.1	6107.0	6154.9	6143.4	6158.2	6146.7	6128.5	6120.2	6110.3
10°	5954.7	6133.4	6169.8	6169.8	6095.4	5994.4	5951.4	5877.0	5728.1	5731.4	5706.6
12.5°	6121.8	6184.7	6098.7	6025.9	5726.4	5610.6	5484.8	5425.3	5390.5	5337.6	5357.4
15°	6034.2	5944.8	5893.5	5658.6	5474.9	5266.4	5269.8	5233.4	5195.3	5198.6	5173.8
17.5°	5905.1	5834.0	5470.0	5307.8	5218.5	5137.4	5122.5	5074.5	5049.7	5041.4	5039.8
20°	5728.1	5471.6	5200.3	5160.6	5053.0	4960.4	4945.5	4960.4	5036.5	4900.8	4440.8
22.5°	5521.2	5152.3	5072.9	4960.4	4887.6	4851.1	4942.2	4528.5	3903.1	3979.2	3898.1
25°	5170.5	5010.0	4874.3	4788.3	4780.0	4556.6	3797.2	3717.8	3315.7	3100.6	2859.1
27.5°	4914.0	4844.5	4702.2	4687.3	4579.8	3726.1	3330.6	2893.8	2733.3	2708.5	2655.6
30°	4758.5	4659.2	4573.2	4197.6	3654.9	2999.7	2672.1	2610.9	2582.8	2553.0	2506.6
32.5°	4571.5	4477.2	4518.6	3529.2	2913.7	2582.8	2516.6	2471.9	2420.6	2400.8	2233.6
35°	4381.3	4338.2	3530.8	2966.6	2505.0	2425.6	2375.9	2329.6	1853.1	448.4	152.2
37.5°	4177.7	4167.8	3173.4	2462.0	2346.2	2271.7	2131.1	440.1	104.2	71.1	52.9
40°	4018.9	3175.1	2508.3	2308.1	2213.8	2096.3	294.5	72.8	46.3	28.1	18.2
42.5°	3913.0	2855.8	2245.2	2165.8	1960.6	216.7	74.5	31.4	18.2	14.9	11.6
45°	3016.3	2255.2	2098.0	2015.2	248.2	74.5	43.0	14.9	11.6	9.9	6.6
47.5°	2783.0	2048.3	1955.7	440.1	82.7	39.7	29.8	9.9	6.6	6.6	6.6
50°	2107.9	1892.8	1556.9	107.5	52.9	28.1	21.5	6.6	6.6	6.6	5.0
52.5°	1848.1	1747.2	167.1	71.1	41.4	21.5	13.2	5.0	5.0	5.0	5.0
55°	1689.3	1108.6	99.3	54.6	34.7	19.9	8.3	5.0	5.0	5.0	3.3
57.5°	1545.4	148.9	72.8	46.3	31.4	18.2	5.0	5.0	5.0	5.0	3.3
60°	1310.4	107.5	59.6	41.4	29.8	16.5	5.0	5.0	5.0	5.0	5.0
62.5°	170.4	84.4	51.3	36.4	21.5	13.2	3.3	5.0	5.0	5.0	5.0
65°	124.1	66.2	46.3	24.8	13.2	5.0	3.3	5.0	5.0	5.0	5.0
67.5°	96.0	54.6	34.7	21.5	11.6	3.3	3.3	5.0	5.0	5.0	5.0
70°	76.1	46.3	28.1	18.2	9.9	3.3	3.3	5.0	5.0	5.0	5.0
72.5°	59.6	33.1	19.9	9.9	6.6	3.3	3.3	5.0	5.0	5.0	5.0
75°	44.7	26.5	14.9	8.3	3.3	3.3	3.3	5.0	5.0	5.0	5.0
77.5°	29.8	16.5	11.6	6.6	6.6	6.6	8.3	8.3	5.0	5.0	5.0
80°	19.9	11.6	8.3	8.3	8.3	6.6	8.3	8.3	5.0	8.3	5.0
82.5°	9.9	8.3	8.3	6.6	6.6	5.0	6.6	6.6	6.6	6.6	5.0
85°	6.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.6	6.6	5.0
87.5°	3.3	3.3	3.3	3.3	5.0	5.0	5.0	5.0	6.6	6.6	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	5552.7	5557.6	5544.4	5615.6	5579.2	5582.5	5597.4	5559.3	5567.6	5541.1	5522.9
5°	6154.9	6164.9	6174.8	6178.1	6184.7	6193.0	6183.1	6178.1	6168.2	6135.1	6100.3
7.5°	6060.6	6049.0	6044.1	6050.7	6062.3	6067.2	6059.0	6070.6	6113.6	6131.8	6143.4
10°	5564.3	5511.3	5547.7	5542.8	5501.4	5640.4	5602.3	5623.8	5638.7	5790.9	5883.6
12.5°	5327.7	5360.8	5297.9	5266.4	5307.8	5335.9	5364.1	5304.5	5387.2	5349.2	5471.6
15°	5129.1	5109.3	5102.6	5104.3	5096.0	5135.7	5145.7	5158.9	5170.5	5221.8	5241.6
17.5°	5039.8	5072.9	5086.1	5096.0	5079.5	5061.3	5043.1	5016.6	5024.9	5011.6	5049.7
20°	4131.4	4020.6	4013.9	4078.5	4007.3	4047.0	4143.0	4785.0	4763.5	5013.3	4928.9
22.5°	3448.1	3343.9	3254.5	3176.7	3287.6	3333.9	3512.6	3714.5	4042.1	3990.8	4346.5
25°	2816.0	2778.0	2754.8	2743.2	2751.5	2748.2	2787.9	2882.2	3031.1	3381.9	3835.3
27.5°	2634.0	2615.8	2607.6	2581.1	2601.0	2594.3	2625.8	2645.6	2690.3	2725.0	2872.3
30°	2490.1	2468.6	2453.7	2425.6	2445.4	2447.1	2457.0	2508.3	2526.5	2556.3	2602.6
32.5°	910.0	536.1	503.0	478.2	522.8	681.7	1196.2	2091.4	2385.9	2409.0	2462.0
35°	89.3	74.5	66.2	66.2	67.8	74.5	99.3	261.4	478.2	1848.1	2313.1
37.5°	34.7	29.8	24.8	23.2	24.8	28.1	38.1	49.6	67.8	140.6	627.1
40°	14.9	13.2	11.6	11.6	11.6	11.6	13.2	16.5	24.8	46.3	72.8
42.5°	9.9	8.3	8.3	8.3	8.3	8.3	8.3	8.3	11.6	14.9	29.8
45°	6.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.6	8.3	13.2
47.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.6
50°	5.0	5.0	5.0	5.0	3.3	5.0	3.3	5.0	5.0	5.0	5.0
52.5°	5.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.0	5.0
55°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.0
57.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.0	5.0	3.3
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.0	3.3
67.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
70°	5.0	5.0	3.3	5.0	3.3	3.3	5.0	5.0	5.0	3.3	3.3
72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	9.9	9.9	6.6
75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	8.3	9.9	8.3
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	8.3	8.3	8.3
80°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.6	6.6	6.6
82.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.6	6.6	6.6
85°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
87.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	5491.5	5489.8	5524.6	5551.0	5541.1	5551.0	5562.6	5564.3	5567.6	5554.3	5549.4
5°	6034.2	5982.9	5883.6	5812.4	5729.7	5579.2	5504.7	5513.0	5514.6	5509.7	5516.3
7.5°	6138.4	6133.4	6098.7	6083.8	6027.5	5920.0	5747.9	5718.1	5645.3	5599.0	5561.0
10°	5877.0	5996.1	6027.5	6080.5	6113.6	6093.7	5948.1	5926.6	5880.3	5827.3	5838.9
12.5°	5594.0	5691.7	5696.6	5984.5	6049.0	6055.7	5999.4	6029.2	6035.8	5916.7	5847.2
15°	5246.6	5292.9	5390.5	5658.6	5853.8	5976.2	6012.6	6029.2	5948.1	5943.2	5915.0
17.5°	5094.4	5124.2	5168.8	5319.4	5615.6	5795.9	5949.8	5938.2	5969.6	5946.5	5875.3
20°	4902.4	4927.3	5006.7	5082.8	5228.4	5468.3	5756.2	5777.7	5819.1	5814.1	5834.0
22.5°	4899.1	4811.4	4824.7	4884.2	5036.5	5251.6	5557.6	5628.8	5655.3	5673.5	5695.0
25°	3886.5	4583.1	4710.5	4748.6	4847.8	4973.6	5334.3	5360.8	5410.4	5491.5	5551.0
27.5°	3367.0	3840.2	4349.8	4614.5	4677.4	4781.7	4996.8	5036.5	5205.2	5225.1	5317.7
30°	2657.2	3022.9	3784.0	4421.0	4525.2	4598.0	4750.2	4829.6	4902.4	4981.9	5079.5
32.5°	2500.0	2557.9	2979.9	3658.2	4468.9	4414.3	4526.9	4574.8	4654.3	4723.7	4794.9
35°	2356.1	2395.8	2485.1	2996.4	3640.0	4263.8	4339.9	4371.3	4416.0	4468.9	4520.2
37.5°	2205.5	2265.1	2326.3	2463.6	3367.0	4144.7	4143.0	4179.4	4205.9	4250.5	4293.6
40°	400.4	2079.8	2179.0	2268.4	2610.9	3305.8	3957.7	3974.2	3992.4	4020.6	4065.2
42.5°	64.5	347.5	2041.7	2127.8	2225.4	2960.0	3873.3	3805.5	3793.9	3813.7	3853.5
45°	33.1	84.4	410.3	1987.1	2074.8	2361.0	3166.8	3688.0	3676.4	3638.4	3646.6
47.5°	24.8	52.9	100.9	686.6	1942.4	2026.8	2921.9	2890.5	3110.6	3532.5	3467.9
50°	21.5	36.4	59.6	140.6	1715.8	1866.3	2250.2	2629.1	2744.9	2759.8	3266.1
52.5°	19.9	24.8	43.0	91.0	360.7	1725.7	1829.9	1962.3	2157.5	2576.1	2566.2
55°	18.2	23.2	36.4	61.2	125.7	1555.3	1662.8	1687.6	1729.0	1929.2	2193.9
57.5°	9.9	21.5	34.7	52.9	94.3	284.6	1509.0	1528.8	1561.9	1570.2	1664.5
60°	5.0	19.9	31.4	46.3	69.5	132.4	1356.7	1379.9	1399.8	1403.1	1432.8
62.5°	3.3	18.2	26.5	43.0	57.9	94.3	321.0	655.2	1245.9	1245.9	1280.6
65°	3.3	13.2	16.5	28.1	52.9	77.8	135.7	157.2	306.1	752.8	1123.4
67.5°	3.3	5.0	14.9	23.2	39.7	59.6	99.3	115.8	139.0	158.8	294.5
70°	3.3	3.3	13.2	14.9	24.8	44.7	71.1	81.1	94.3	107.5	124.1
72.5°	3.3	3.3	11.6	11.6	16.5	29.8	54.6	59.6	67.8	76.1	87.7
75°	8.3	6.6	9.9	9.9	11.6	23.2	41.4	46.3	49.6	56.3	64.5
77.5°	8.3	8.3	8.3	8.3	8.3	14.9	26.5	29.8	34.7	38.1	44.7
80°	6.6	6.6	6.6	8.3	8.3	9.9	16.5	18.2	19.9	24.8	26.5
82.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	9.9	11.6	14.9
85°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.6	6.6	6.6	6.6
87.5°	5.0	5.0	5.0	3.3	3.3	5.0	5.0	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-95SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	5547.7	5537.8	5529.5	5534.5	5519.6	5513.0	5517.9	5519.6	5522.9	5531.2	5532.8
5°	5532.8	5529.5	5544.4	5552.7	5549.4	5552.7	5552.7	5546.1	5536.1	5542.8	5527.9
7.5°	5522.9	5501.4	5484.8	5488.2	5471.6	5491.5	5509.7	5536.1	5544.4	5544.4	5527.9
10°	5693.3	5670.2	5577.5	5514.6	5473.3	5436.9	5522.9	5435.2	5476.6	5319.4	5499.7
12.5°	5834.0	5865.4	5824.0	5652.0	5622.2	5513.0	5575.8	5468.3	5436.9	5256.5	5314.4
15°	5890.2	5830.6	5817.4	5769.4	5704.9	5673.5	5504.7	5486.5	5435.2	5455.1	5379.0
17.5°	5840.6	5870.4	5830.6	5799.2	5733.0	5658.6	5557.6	5468.3	5397.2	5238.3	5372.3
20°	5792.6	5832.3	5713.2	5733.0	5739.6	5653.6	5600.7	5526.2	5436.9	5288.0	5172.1
22.5°	5713.2	5685.0	5695.0	5665.2	5640.4	5652.0	5579.2	5527.9	5377.3	5309.5	5152.3
25°	5584.1	5574.2	5600.7	5597.4	5537.8	5517.9	5481.5	5426.9	5367.4	5258.2	5129.1
27.5°	5374.0	5425.3	5471.6	5493.1	5461.7	5408.7	5388.9	5357.4	5316.1	5205.2	5109.3
30°	5152.3	5210.2	5263.1	5309.5	5337.6	5314.4	5296.2	5278.0	5215.2	5142.4	5034.8
32.5°	4899.1	4975.2	5048.0	5104.3	5165.5	5183.7	5170.5	5155.6	5102.6	5036.5	4950.4
35°	4606.3	4710.5	4816.4	4917.3	4943.8	4986.8	5029.8	5005.0	4976.9	4910.7	4831.3
37.5°	4358.1	4432.5	4508.7	4636.1	4728.7	4783.3	4859.4	4869.3	4821.4	4789.9	4685.7
40°	4101.6	4169.5	4280.3	4354.8	4482.2	4545.1	4626.1	4662.5	4650.9	4632.7	4541.7
42.5°	3899.8	3932.9	4005.7	4071.9	4197.6	4326.7	4397.8	4437.5	4478.9	4464.0	4417.7
45°	3684.7	3714.5	3739.3	3797.2	3919.6	4033.8	4121.5	4181.1	4255.5	4290.3	4234.0
47.5°	3471.3	3479.5	3509.3	3557.3	3630.1	3717.8	3865.0	3954.4	4023.9	4091.7	4055.3
50°	3307.5	3277.7	3282.6	3312.4	3372.0	3458.0	3563.9	3689.7	3769.1	3851.8	3860.1
52.5°	2890.5	3132.1	3074.2	3090.7	3122.1	3163.5	3274.4	3398.5	3496.1	3567.2	3638.4
55°	2425.6	2473.6	2938.5	2872.3	2892.2	2928.6	2979.9	3103.9	3198.3	3297.5	3396.8
57.5°	1881.2	2238.6	2256.8	2687.0	2677.1	2680.4	2723.4	2794.5	2888.8	3012.9	3097.3
60°	1462.6	1613.2	1906.0	2055.0	2432.2	2445.4	2470.2	2511.6	2592.7	2710.2	2844.2
62.5°	1290.6	1310.4	1414.6	1638.0	1882.9	2179.0	2232.0	2238.6	2275.0	2392.5	2548.0
65°	1133.4	1146.6	1178.0	1201.2	1406.4	1692.6	1947.4	1988.8	2011.9	2081.4	2213.8
67.5°	780.9	987.8	1015.9	1032.4	1052.3	1184.7	1500.7	1710.8	1737.3	1798.5	1914.3
70°	150.6	312.7	855.4	873.6	883.5	913.3	964.6	1298.8	1474.2	1532.1	1585.1
72.5°	102.6	120.8	145.6	344.1	728.0	744.5	756.1	799.1	1095.3	1264.1	1292.2
75°	74.5	82.7	97.6	120.8	148.9	484.8	600.6	622.1	643.6	888.5	1030.8
77.5°	52.9	59.6	66.2	77.8	91.0	117.5	168.8	464.9	486.4	498.0	703.2
80°	29.8	36.4	44.7	51.3	57.9	66.2	86.0	107.5	239.9	350.8	369.0
82.5°	16.5	19.9	23.2	28.1	31.4	39.7	48.0	57.9	76.1	112.5	238.3
85°	8.3	8.3	8.3	11.6	13.2	18.2	21.5	24.8	34.7	48.0	66.2
87.5°	5.0	5.0	6.6	6.6	6.6	8.3	8.3	8.3	9.9	14.9	21.5
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-LD5-95SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	5513.0	5513.0	5513.0	5513.0	5513.0
2.5°	5534.5	5529.5	5529.5	5549.4	5544.4
5°	5524.6	5519.6	5517.9	5539.4	5529.5
7.5°	5516.3	5498.1	5493.1	5513.0	5504.7
10°	5483.2	5470.0	5478.2	5471.6	5468.3
12.5°	5426.9	5418.7	5383.9	5387.2	5415.4
15°	5326.0	5359.1	5299.5	5352.5	5364.1
17.5°	5140.7	5215.2	5273.1	5304.5	5309.5
20°	5223.4	5248.2	5218.5	5220.1	5240.0
22.5°	5115.9	5127.5	5135.7	5125.8	5168.8
25°	4943.8	4899.1	4995.1	5015.0	5084.4
27.5°	4890.9	4854.5	4899.1	4895.8	4953.7
30°	4847.8	4730.4	4750.2	4781.7	4852.8
32.5°	4786.6	4601.3	4581.5	4650.9	4730.4
35°	4679.1	4503.7	4457.4	4502.0	4621.2
37.5°	4588.1	4368.0	4275.4	4334.9	4490.5
40°	4452.4	4262.1	4118.2	4171.1	4354.8
42.5°	4290.3	4171.1	3949.4	3985.8	4195.9
45°	4126.5	4020.6	3785.6	3803.8	4053.7
47.5°	3959.3	3861.7	3615.2	3618.5	3871.7
50°	3795.5	3666.5	3463.0	3405.1	3678.1
52.5°	3582.1	3463.0	3309.1	3214.8	3494.4
55°	3380.3	3246.2	3133.7	2988.1	3285.9
57.5°	3183.4	3034.5	2958.3	2771.4	3049.3
60°	2913.7	2842.5	2730.0	2551.3	2835.9
62.5°	2637.4	2614.2	2500.0	2314.7	2572.8
65°	2314.7	2369.3	2251.8	2093.0	2299.8
67.5°	2010.3	2107.9	1978.8	1881.2	2036.8
70°	1686.0	1798.5	1725.7	1691.0	1757.1
72.5°	1366.7	1475.9	1482.5	1457.7	1479.2
75°	1055.6	1176.4	1242.6	1204.5	1209.5
77.5°	800.8	858.7	931.5	961.3	954.7
80°	494.7	595.6	655.2	716.4	694.9
82.5°	249.8	334.2	407.0	473.2	441.8
85°	104.2	134.0	187.0	246.5	236.6
87.5°	31.4	52.9	56.3	79.4	74.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)