

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-LD5-101SL-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-LD5-101SL-RM-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

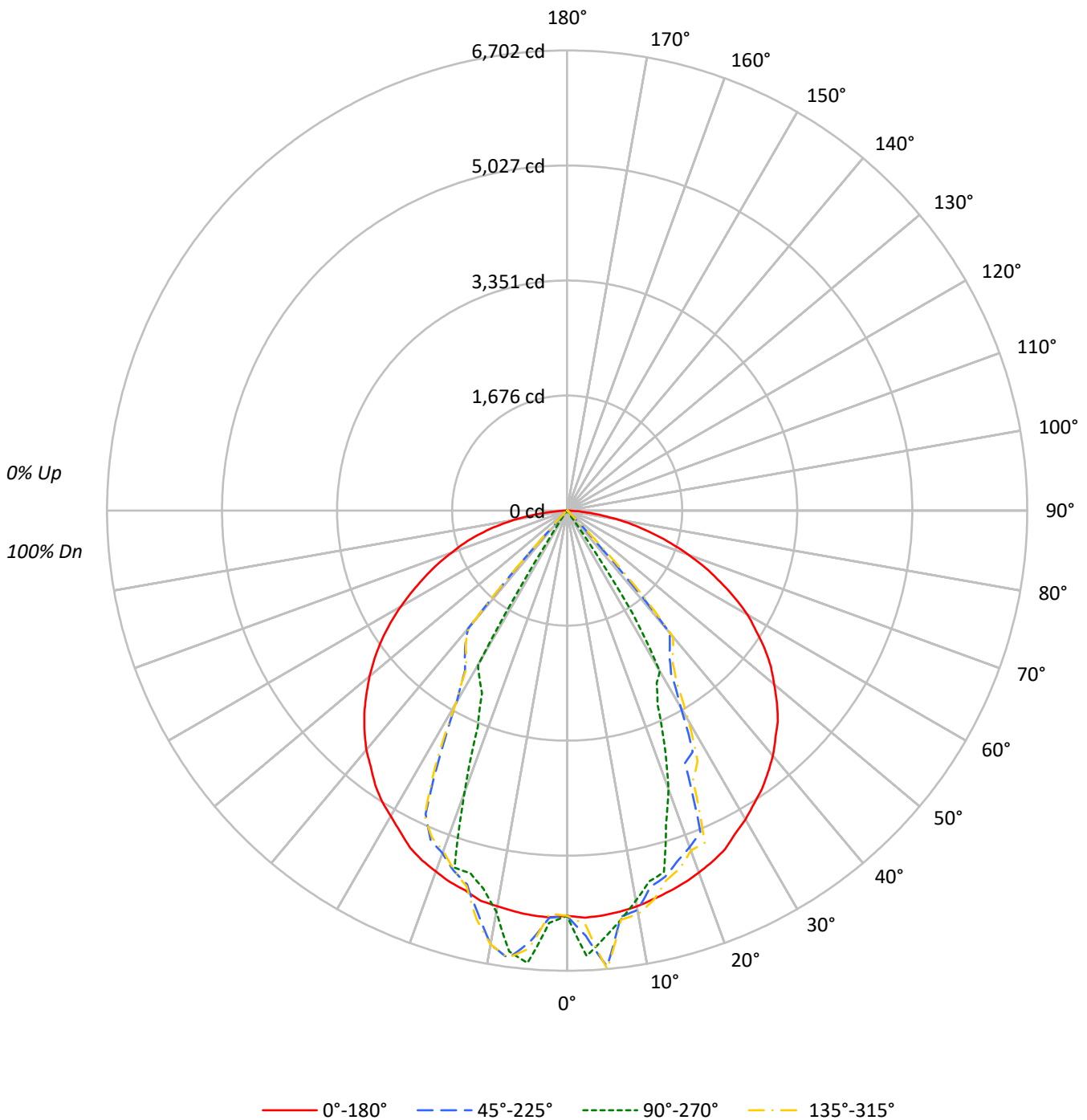
Lumens per Lamp: N/A
Luminaire Lumens: 8391.0 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 75
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°	23844	23844	23844	23844
5°	23974	24523	23967	25969
10°	23950	22191	23935	22831
15°	23918	20713	23859	20766
20°	23981	16314	23913	16515
25°	24088	11806	23971	11141
30°	24019	10357	23765	9956
35°	24135	228	23781	277
40°	24268	50	23688	50
45°	24413	29	23496	22
50°	24296	23	23181	23
55°	24236	16	22748	16
60°	23884	17	22017	17
65°	22773	28	21151	19
70°	21306	31	20282	31
75°	19097	34	19411	34
80°	15898	39	16809	39
85°	9963	46	10172	46



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.1	7.1
10°-20°	1614.9	19.2
20°-30°	2054.9	24.5
30°-40°	1735.9	20.7
40°-50°	1134.9	13.5
50°-60°	715.1	8.5
60°-70°	380.6	4.5
70°-80°	138.8	1.7
80°-90°	23.9	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4261.9	50.8
0°-40°	5997.8	71.5
0°-60°	7847.7	93.5
0°-90°	8391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8391.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5901	5901	5901	5901	5901	
5°	5919	6245	5917	6613	5919	563
15°	5742	5450	5728	5464	5742	1623
25°	5442	3112	5416	2936	5442	2503
35°	4947	58	4874	71	4947	3094
45°	4339	7	4176	5	4339	3337
55°	3517	4	3301	4	3517	3134
65°	2462	5	2286	4	2462	2438
75°	1295	5	1316	5	1295	1374
85°	253	5	259	5	253	320
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°	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	5934.8	5938.4	5940.1	5943.7	5949.0	5950.8	5954.3	5950.8	5950.8	5950.8	5950.8
5°	5918.9	5926.0	5931.3	5938.4	5950.8	5952.5	5966.7	5968.5	5975.6	5989.7	6000.4
7.5°	5892.3	5899.4	5910.0	5927.7	5945.5	5964.9	5989.7	6016.3	6053.5	6088.9	6133.2
10°	5853.4	5862.2	5874.6	5890.6	5977.3	5989.7	6044.6	6120.8	6142.0	6253.6	6336.9
12.5°	5796.7	5826.8	5858.7	5872.8	5956.1	6087.1	6271.3	6234.1	6193.4	6558.2	6552.9
15°	5741.8	5782.5	5766.6	5881.7	5957.9	6186.3	6108.4	6274.9	6579.5	6505.1	6508.7
17.5°	5683.3	5692.2	5780.7	5876.4	6012.8	6129.6	6225.3	6453.8	6514.0	6519.3	6453.8
20°	5609.0	5651.5	5780.7	5867.5	6097.8	6152.7	6359.9	6476.8	6452.0	6391.8	6280.2
22.5°	5532.8	5662.1	5793.1	5915.3	6076.5	6223.5	6326.2	6381.1	6251.8	6014.5	5887.0
25°	5442.5	5518.6	5690.4	5869.3	6071.2	6156.2	6216.4	6127.9	5959.6	5747.1	5532.8
27.5°	5302.6	5424.8	5644.4	5846.3	6028.7	6131.4	6034.0	5821.5	5550.5	5410.6	5313.2
30°	5194.5	5353.9	5534.6	5729.4	5918.9	5979.1	5731.2	5488.5	5302.6	5162.6	5141.4
32.5°	5063.5	5290.2	5462.0	5647.9	5807.3	5727.6	5486.8	5173.3	5019.2	4966.1	4987.3
35°	4946.6	5118.4	5343.3	5525.7	5640.8	5462.0	5081.2	4886.4	4812.0	4842.1	4803.1
37.5°	4806.7	5033.4	5240.6	5398.2	5359.2	5090.0	4767.7	4643.7	4652.6	4627.8	4553.4
40°	4661.4	4877.5	5093.6	5242.3	5106.0	4695.1	4480.8	4454.2	4459.5	4379.8	4273.6
42.5°	4491.4	4688.0	4904.1	5038.7	4744.7	4424.1	4278.9	4282.4	4236.4	4124.8	4068.1
45°	4339.1	4519.8	4744.7	4757.1	4395.8	4128.3	4085.8	4039.8	3937.1	3899.9	3857.4
47.5°	4144.3	4344.4	4530.4	4463.1	4054.0	3887.5	3855.6	3754.7	3703.3	3675.0	3639.5
50°	3937.1	4139.0	4309.0	4117.7	3731.6	3692.7	3588.2	3508.5	3473.1	3442.9	3411.1
52.5°	3740.5	3907.0	4080.5	3751.1	3483.7	3446.5	3327.8	3281.8	3246.4	3212.7	3205.6
55°	3517.3	3664.3	3783.0	3402.2	3246.4	3159.6	3074.6	3042.7	3009.0	2993.1	3019.7
57.5°	3264.1	3430.5	3412.8	3058.6	2989.6	2863.8	2831.9	2810.7	2785.9	2796.5	2575.1
60°	3035.6	3163.1	3076.3	2807.1	2690.2	2605.2	2576.9	2562.7	2576.9	2360.8	2075.7
62.5°	2754.0	2897.5	2722.1	2513.1	2389.2	2348.4	2323.6	2343.1	2135.9	1898.6	1829.5
65°	2461.8	2617.6	2359.1	2197.9	2120.0	2084.5	2082.8	1918.1	1714.4	1622.3	1622.3
67.5°	2180.2	2341.3	2008.4	1873.8	1843.7	1847.2	1744.5	1494.8	1438.1	1376.1	1197.2
70°	1880.9	2022.6	1659.5	1578.0	1560.3	1547.9	1298.2	1230.9	1163.6	998.9	984.7
72.5°	1583.3	1652.4	1333.6	1314.1	1310.6	1089.2	1039.6	924.5	846.6	827.1	818.2
75°	1294.6	1273.4	1053.8	1071.5	903.2	825.3	745.6	678.3	667.7	660.6	164.7
77.5°	1021.9	915.6	830.6	722.6	646.4	549.0	533.1	522.5	343.6	124.0	101.0
80°	743.8	593.3	552.6	469.3	400.3	384.3	393.2	120.4	95.6	79.7	69.1
82.5°	472.9	379.0	309.9	271.0	263.9	115.1	85.0	69.1	60.2	51.4	42.5
85°	253.3	168.3	155.9	131.1	77.9	53.1	44.3	33.7	28.3	23.0	21.3
87.5°	79.7	67.3	54.9	44.3	26.6	17.7	14.2	12.4	10.6	8.9	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	5947.2	5950.8	5949.0	5954.3	5954.3	5961.4	5966.7	5972.0	5982.6	5988.0	6028.7
5°	6023.4	6032.2	6058.8	6083.6	6113.7	6122.6	6173.9	6186.3	6246.5	6253.6	6452.0
7.5°	6193.4	6227.1	6290.8	6354.6	6418.3	6459.1	6529.9	6574.2	6622.0	6664.5	6822.1
10°	6398.8	6455.5	6517.5	6581.3	6618.5	6696.4	6738.9	6746.0	6733.6	6664.5	6409.5
12.5°	6600.7	6657.4	6630.9	6643.3	6687.5	6549.4	6568.9	6469.7	6538.8	6196.9	5943.7
15°	6572.4	6568.9	6503.3	6290.8	6326.2	6062.3	5956.1	5874.6	5940.1	5904.7	5865.8
17.5°	6487.4	6326.2	6212.9	5957.9	5849.8	5775.4	5777.2	5779.0	5747.1	5780.7	5681.6
20°	6127.9	5947.2	5779.0	5688.7	5656.8	5603.6	5630.2	5603.6	5605.4	5616.0	5463.7
22.5°	5649.7	5594.8	5497.4	5525.7	5515.1	5562.9	5527.5	5472.6	5490.3	5410.6	5295.5
25°	5456.6	5392.9	5389.3	5400.0	5384.0	5362.8	5330.9	5247.7	5242.3	5217.5	5164.4
27.5°	5261.8	5265.4	5276.0	5244.1	5187.4	5144.9	5097.1	5056.4	5072.3	5044.0	4971.4
30°	5127.2	5125.5	5061.7	5033.4	4928.9	4930.6	4918.2	4893.4	4877.5	4879.3	4833.2
32.5°	4936.0	4881.0	4808.4	4773.0	4764.2	4732.3	4707.5	4712.8	4725.2	4680.9	4728.7
35°	4739.4	4626.0	4615.4	4585.3	4556.9	4535.7	4544.5	4509.1	4507.4	4502.0	4112.4
37.5°	4475.5	4420.6	4415.3	4383.4	4363.9	4358.6	4324.9	4330.2	4346.2	4374.5	3506.7
40°	4257.6	4208.0	4195.6	4193.9	4151.4	4147.8	4156.7	4190.3	4213.4	4036.3	3342.0
42.5°	4023.9	4027.4	3988.4	3963.6	3969.0	3984.9	4027.4	3910.5	3388.0	3228.6	3055.1
45°	3823.7	3806.0	3784.8	3777.7	3823.7	3791.8	3324.3	3067.5	3005.5	2998.4	2511.4
47.5°	3614.7	3609.4	3600.6	3605.9	3343.8	2980.7	2874.4	2840.8	2851.4	2844.3	2157.2
50°	3404.0	3411.1	3411.1	2978.9	2734.5	2674.3	2683.2	2713.3	2525.5	2357.3	2010.2
52.5°	3221.6	3166.7	2713.3	2557.4	2502.5	2529.1	2465.3	2229.8	2059.7	1960.6	1859.6
55°	2883.3	2479.5	2378.5	2353.7	2373.2	2137.7	1992.4	1840.1	1795.9	1785.2	1726.8
57.5°	2268.7	2187.3	2196.1	2096.9	1872.0	1739.2	1680.7	1659.5	1640.0	1625.8	141.7
60°	2006.6	2029.6	1857.8	1645.3	1555.0	1537.3	1523.1	1503.6	1500.1	1475.3	90.3
62.5°	1836.6	1615.2	1466.4	1413.3	1392.1	1386.7	1360.2	1351.3	1147.6	157.6	67.3
65°	1385.0	1294.6	1266.3	1253.9	1230.9	1230.9	1021.9	161.2	131.1	113.3	60.2
67.5°	1129.9	1122.9	1108.7	1092.7	743.8	155.9	136.4	118.7	102.7	90.3	53.1
70°	956.4	952.8	867.8	159.4	132.8	116.9	102.7	92.1	85.0	76.2	47.8
72.5°	784.6	159.4	134.6	116.9	101.0	92.1	83.2	74.4	67.3	62.0	39.0
75°	122.2	108.0	95.6	86.8	79.7	70.8	63.8	58.4	56.7	49.6	26.6
77.5°	88.6	76.2	69.1	62.0	54.9	49.6	42.5	37.2	33.7	28.3	19.5
80°	62.0	54.9	49.6	40.7	35.4	30.1	26.6	23.0	21.3	17.7	8.9
82.5°	35.4	30.1	26.6	21.3	19.5	15.9	14.2	12.4	12.4	8.9	8.9
85°	15.9	15.9	12.4	10.6	8.9	8.9	8.9	7.1	7.1	5.3	5.3
87.5°	7.1	7.1	7.1	7.1	7.1	5.3	5.3	5.3	5.3	5.3	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	6085.4	6108.4	6152.7	6198.7	6147.4	6331.5	6317.4	6379.4	6413.0	6429.0	6466.1
5°	6627.3	6730.0	6763.7	6662.7	6604.3	6544.1	6407.7	6305.0	6317.4	6283.7	6161.5
7.5°	6616.7	6397.1	6101.3	5966.7	5956.1	5940.1	5982.6	6007.4	6011.0	6009.2	6005.7
10°	6057.0	5943.7	5924.2	5906.5	5913.6	5848.0	5817.9	5732.9	5779.0	5754.2	5763.0
12.5°	5887.0	5860.4	5756.0	5610.7	5697.5	5632.0	5594.8	5619.6	5591.2	5564.7	5555.8
15°	5786.1	5614.3	5555.8	5520.4	5495.6	5481.4	5493.8	5465.5	5456.6	5451.3	5463.7
17.5°	5577.1	5508.0	5444.2	5350.4	5352.1	5346.8	5382.3	5435.4	5438.9	5166.2	4920.0
20°	5412.4	5355.7	5274.2	5215.8	5295.5	5153.8	4606.5	4346.2	4305.5	4305.5	4312.5
22.5°	5281.3	5155.6	5160.9	5068.8	4323.2	4170.9	4174.4	4190.3	4117.7	3869.8	3843.2
25°	5102.4	5082.9	4695.1	4057.5	4062.8	3944.2	3761.7	3504.9	3226.9	3226.9	3180.8
27.5°	4967.8	4555.2	3988.4	3961.9	3563.4	3311.9	3156.0	2920.5	2888.6	2858.5	2862.0
30°	4852.7	3853.8	3868.0	3311.9	3017.9	2808.9	2796.5	2757.5	2738.1	2732.7	2713.3
32.5°	3836.1	3752.9	3237.5	2819.5	2704.4	2670.8	2654.8	2610.5	2608.8	2575.1	2341.3
35°	3597.0	3294.2	2709.7	2596.4	2562.7	2530.8	2504.3	1680.7	198.4	79.7	69.1
37.5°	3324.3	2752.2	2506.1	2454.7	2422.8	1790.5	178.9	62.0	44.3	31.9	28.3
40°	2817.8	2458.2	2380.3	2323.6	958.1	62.0	39.0	30.1	17.7	15.9	14.2
42.5°	2376.8	2316.5	2233.3	680.1	70.8	30.1	19.5	14.2	12.4	12.4	10.6
45°	2224.5	2171.3	899.7	67.3	44.3	14.2	12.4	12.4	10.6	7.1	7.1
47.5°	2082.8	1833.0	81.5	42.5	28.3	12.4	10.6	7.1	7.1	7.1	5.3
50°	1932.2	101.0	56.7	31.9	17.7	7.1	7.1	7.1	7.1	5.3	5.3
52.5°	361.3	70.8	46.0	28.3	8.9	7.1	7.1	7.1	5.3	5.3	5.3
55°	85.0	56.7	42.5	24.8	7.1	7.1	7.1	5.3	5.3	5.3	3.5
57.5°	63.8	42.5	33.7	23.0	7.1	5.3	5.3	5.3	5.3	5.3	3.5
60°	53.1	30.1	26.6	21.3	5.3	5.3	5.3	5.3	5.3	5.3	3.5
62.5°	37.2	24.8	19.5	15.9	5.3	5.3	5.3	5.3	5.3	5.3	5.3
65°	30.1	19.5	15.9	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
67.5°	26.6	15.9	10.6	3.5	5.3	5.3	5.3	5.3	5.3	5.3	5.3
70°	21.3	5.3	5.3	3.5	5.3	5.3	5.3	5.3	5.3	5.3	5.3
72.5°	17.7	5.3	3.5	3.5	5.3	5.3	5.3	5.3	5.3	5.3	5.3
75°	17.7	8.9	3.5	3.5	5.3	5.3	7.1	7.1	5.3	5.3	5.3
77.5°	12.4	8.9	3.5	3.5	5.3	5.3	7.1	7.1	5.3	5.3	5.3
80°	7.1	8.9	3.5	5.3	5.3	10.6	12.4	7.1	5.3	5.3	5.3
82.5°	7.1	8.9	10.6	10.6	5.3	8.9	10.6	8.9	7.1	5.3	5.3
85°	7.1	5.3	7.1	8.9	5.3	8.9	8.9	7.1	7.1	5.3	5.3
87.5°	3.5	5.3	5.3	7.1	7.1	7.1	8.9	7.1	7.1	7.1	5.3
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-LD5-101SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	6483.9	6490.9	6379.4	6340.4	6374.1	6367.0	6336.9	6225.3	6212.9	6138.5	6030.5
5°	6196.9	6244.8	6186.3	6287.3	6239.5	6287.3	6432.5	6499.8	6609.6	6676.9	6701.7
7.5°	5996.8	6007.4	6007.4	6016.3	6025.2	6026.9	6016.3	6009.2	5979.1	5941.9	6009.2
10°	5754.2	5766.6	5787.8	5784.3	5782.5	5819.7	5828.6	5904.7	5901.2	5915.3	5966.7
12.5°	5628.4	5532.8	5619.6	5596.6	5628.4	5578.8	5670.9	5655.0	5660.3	5702.8	5812.6
15°	5419.4	5449.6	5470.8	5470.8	5483.2	5472.6	5462.0	5534.6	5578.8	5580.6	5573.5
17.5°	5017.4	4789.0	5022.7	4962.5	5442.5	5454.9	5414.1	5380.5	5380.5	5407.1	5463.7
20°	4307.2	4312.5	4314.3	4337.3	4365.7	4363.9	4365.7	5063.5	5394.7	5318.5	5267.1
22.5°	3775.9	3710.4	3832.6	3823.7	3976.0	4144.3	4305.5	4289.5	4300.1	4792.5	5235.3
25°	3026.7	3111.8	3042.7	3072.8	3244.6	3444.7	3568.7	3892.8	4245.2	4220.4	4335.6
27.5°	2849.6	2826.6	2858.5	2858.5	2881.5	2908.1	2977.2	3159.6	3473.1	3802.5	4114.2
30°	2681.4	2700.9	2704.4	2736.3	2754.0	2771.7	2782.3	2851.4	2922.3	3150.7	3535.0
32.5°	2013.7	1765.7	2323.6	2474.2	2601.7	2631.8	2653.1	2681.4	2732.7	2766.4	2959.4
35°	58.4	58.4	62.0	70.8	90.3	609.2	2320.1	2557.4	2591.1	2633.6	2669.0
37.5°	28.3	21.3	24.8	26.6	31.9	44.3	63.8	198.4	2208.5	2497.2	2536.2
40°	12.4	12.4	12.4	12.4	14.2	17.7	26.6	44.3	67.3	1776.4	2396.2
42.5°	10.6	10.6	10.6	10.6	10.6	10.6	12.4	15.9	31.9	76.2	1257.5
45°	7.1	7.1	5.3	7.1	7.1	8.9	10.6	10.6	14.2	47.8	86.8
47.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	8.9	10.6	31.9	46.0
50°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	24.8	31.9
52.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	10.6	28.3
55°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	7.1	24.8
57.5°	3.5	3.5	3.5	3.5	3.5	5.3	3.5	3.5	5.3	5.3	23.0
60°	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3	5.3	5.3	21.3
62.5°	5.3	5.3	3.5	5.3	3.5	3.5	5.3	5.3	5.3	5.3	14.2
65°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	3.5	5.3
67.5°	5.3	5.3	5.3	5.3	3.5	5.3	3.5	5.3	5.3	3.5	3.5
70°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5
72.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5
75°	5.3	5.3	5.3	5.3	5.3	5.3	7.1	7.1	3.5	3.5	3.5
77.5°	5.3	5.3	5.3	5.3	5.3	5.3	8.9	10.6	8.9	8.9	3.5
80°	5.3	5.3	5.3	5.3	5.3	5.3	8.9	8.9	8.9	8.9	12.4
82.5°	5.3	5.3	5.3	5.3	5.3	5.3	7.1	7.1	7.1	7.1	8.9
85°	5.3	5.3	5.3	5.3	5.3	5.3	7.1	7.1	7.1	5.3	7.1
87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.1	5.3	5.3	5.3
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-LD5-101SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	6039.3	5979.1	5959.6	5918.9	5915.3	5918.9	5910.0	5897.6	5904.7	5892.3	5881.7
5°	6715.9	6554.7	6450.2	6310.3	6117.2	6074.7	6064.1	6003.9	5982.6	5975.6	5947.2
7.5°	6168.6	6462.6	6639.7	6699.9	6473.2	6420.1	6358.1	6308.5	6260.7	6170.4	6115.5
10°	5926.0	5940.1	6110.2	6308.5	6630.9	6675.1	6708.8	6600.7	6570.6	6340.4	6290.8
12.5°	5869.3	5871.1	5890.6	6011.0	6264.2	6292.6	6411.2	6475.0	6552.9	6597.2	6561.8
15°	5610.7	5754.2	5860.4	5871.1	5894.1	5943.7	5979.1	6200.5	6294.4	6545.8	6531.7
17.5°	5490.3	5536.3	5690.4	5816.2	5794.9	5777.2	5805.5	5835.6	5926.0	6177.5	6173.9
20°	5290.2	5437.2	5520.4	5651.5	5770.1	5775.4	5743.6	5725.8	5690.4	5731.2	5768.3
22.5°	5205.2	5228.2	5384.0	5476.1	5610.7	5658.5	5665.6	5667.4	5647.9	5626.7	5616.0
25°	5196.3	5123.7	5203.4	5318.5	5417.7	5469.0	5527.5	5547.0	5539.9	5539.9	5529.3
27.5°	4252.3	5100.7	5058.2	5134.3	5254.7	5290.2	5320.3	5380.5	5417.7	5444.2	5456.6
30°	4050.4	4202.7	4944.8	4955.4	5077.6	5074.1	5107.7	5157.3	5205.2	5267.1	5283.1
32.5°	3582.9	3956.6	4526.8	4776.6	4904.1	4916.5	4934.2	4948.3	4992.6	5061.7	5121.9
35°	2870.9	3604.1	3878.6	4691.5	4714.6	4739.4	4750.0	4783.6	4797.8	4826.1	4879.3
37.5°	2598.1	2978.9	3721.0	4057.5	4496.7	4518.0	4574.7	4588.8	4611.8	4634.9	4675.6
40°	2440.5	2545.0	3097.6	3623.6	4321.4	4335.6	4355.0	4390.5	4392.2	4418.8	4456.0
42.5°	2314.8	2382.1	2543.2	3460.7	4197.4	4195.6	4149.6	4172.6	4183.2	4211.6	4262.9
45°	1849.0	2235.1	2337.8	2826.6	3342.0	3582.9	4045.1	3969.0	3967.2	3977.8	4032.7
47.5°	93.9	2102.3	2174.9	2332.5	3156.0	3164.9	3225.1	3731.6	3809.6	3784.8	3790.1
50°	63.8	145.2	2026.1	2098.7	2720.4	2940.0	2984.2	3007.3	3299.5	3625.4	3572.2
52.5°	49.6	83.2	1241.5	1948.2	2210.3	2371.5	2656.6	2819.5	2837.2	2968.3	3412.8
55°	44.3	63.8	134.6	1797.6	1879.1	1914.5	2081.0	2366.1	2596.4	2665.4	2670.8
57.5°	39.0	58.4	92.1	812.9	1709.1	1716.2	1744.5	1843.7	2050.9	2240.4	2454.7
60°	35.4	51.4	72.6	139.9	1553.2	1570.9	1576.2	1602.8	1627.6	1756.9	2003.1
62.5°	21.3	40.7	63.8	101.0	1229.1	1411.5	1409.8	1427.5	1450.5	1464.7	1514.3
65°	17.7	31.9	54.9	85.0	150.5	187.7	1140.6	1268.1	1282.2	1301.7	1310.6
67.5°	15.9	28.3	40.7	67.3	113.3	129.3	148.8	184.2	1006.0	1133.5	1151.2
70°	14.2	19.5	33.7	56.7	92.1	99.2	111.6	127.5	150.5	186.0	910.3
72.5°	8.9	14.2	23.0	40.7	70.8	79.7	86.8	97.4	108.0	129.3	148.8
75°	3.5	10.6	19.5	30.1	54.9	60.2	65.5	72.6	81.5	95.6	106.3
77.5°	3.5	8.9	15.9	21.3	35.4	40.7	47.8	53.1	60.2	67.3	77.9
80°	12.4	7.1	10.6	15.9	24.8	26.6	30.1	33.7	39.0	44.3	51.4
82.5°	8.9	10.6	12.4	10.6	12.4	15.9	17.7	21.3	23.0	26.6	28.3
85°	7.1	7.1	8.9	8.9	8.9	8.9	8.9	8.9	10.6	12.4	15.9
87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.1	7.1
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-LD5-101SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	5881.7	5878.2	5867.5	5867.5	5865.8	5872.8	5878.2	5883.5	5881.7	5892.3	5881.7
5°	5926.0	5917.1	5901.2	5887.0	5881.7	5885.2	5879.9	5885.2	5878.2	5887.0	5871.1
7.5°	6048.2	6018.1	5956.1	5931.3	5899.4	5897.6	5881.7	5878.2	5867.5	5867.5	5848.0
10°	6264.2	6119.0	6101.3	6026.9	6000.4	5871.1	5899.4	5851.6	5846.3	5823.3	5814.4
12.5°	6441.4	6328.0	6294.4	6228.8	6154.4	5892.3	5950.8	5848.0	5842.7	5796.7	5748.9
15°	6444.9	6510.4	6418.3	6237.7	6221.7	6041.1	5922.4	5887.0	5841.0	5702.8	5725.8
17.5°	6237.7	6388.2	6432.5	6393.5	6280.2	6158.0	5991.5	5920.7	5782.5	5720.5	5678.0
20°	5901.2	6053.5	6243.0	6255.4	6326.2	6239.5	6021.6	5906.5	5740.0	5632.0	5596.6
22.5°	5633.7	5745.3	5963.2	6064.1	6150.9	6181.0	6042.9	5872.8	5665.6	5561.1	5539.9
25°	5492.1	5516.9	5582.4	5701.0	5892.3	6030.5	6049.9	5869.3	5761.3	5532.8	5412.4
27.5°	5440.7	5419.4	5392.9	5453.1	5596.6	5764.8	5876.4	5906.5	5637.3	5419.4	5299.0
30°	5309.6	5322.0	5281.3	5260.1	5353.9	5527.5	5725.8	5775.4	5568.2	5343.3	5205.2
32.5°	5148.5	5169.7	5176.8	5139.6	5120.1	5240.6	5454.9	5573.5	5562.9	5235.3	5081.2
35°	4946.6	5006.8	5022.7	5024.5	4992.6	4973.1	5097.1	5343.3	5437.2	5185.7	4962.5
37.5°	4734.0	4751.8	4838.5	4861.6	4861.6	4803.1	4895.2	5091.8	5222.9	5074.1	4817.3
40°	4468.4	4525.1	4606.5	4647.3	4688.0	4693.3	4642.0	4780.1	4996.2	4959.0	4680.9
42.5°	4275.3	4312.5	4362.1	4417.0	4500.3	4521.5	4468.4	4493.2	4718.1	4815.5	4503.8
45°	4050.4	4100.0	4114.2	4174.4	4261.2	4323.2	4321.4	4270.0	4450.7	4571.1	4374.5
47.5°	3820.2	3868.0	3892.8	3922.9	3986.7	4066.4	4110.6	4087.6	4123.0	4358.6	4202.7
50°	3582.9	3609.4	3659.0	3692.7	3735.2	3781.2	3887.5	3908.7	3859.1	4046.9	4013.2
52.5°	3357.9	3366.8	3400.4	3434.1	3490.8	3524.4	3609.4	3673.2	3669.6	3724.5	3802.5
55°	3182.6	3143.6	3150.7	3177.3	3214.5	3265.8	3313.7	3412.8	3446.5	3457.1	3581.1
57.5°	2486.6	2886.8	2922.3	2920.5	2964.8	2987.8	3032.1	3097.6	3218.0	3191.5	3329.6
60°	2259.9	2304.2	2638.9	2677.8	2693.8	2715.0	2768.2	2828.4	2916.9	2973.6	3033.8
62.5°	1723.2	1992.4	2093.4	2389.2	2435.2	2447.6	2483.0	2511.4	2603.5	2732.7	2708.0
65°	1333.6	1448.7	1756.9	1877.3	2128.8	2160.7	2210.3	2240.4	2267.0	2415.7	2422.8
67.5°	1153.0	1170.7	1253.9	1485.9	1645.3	1891.5	1921.6	1948.2	1988.9	2095.2	2160.7
70°	984.7	1006.0	1029.0	1048.5	1255.7	1418.6	1647.1	1655.9	1682.5	1753.4	1902.1
72.5°	186.0	841.3	855.4	867.8	890.8	998.9	1216.7	1393.8	1404.5	1438.1	1574.5
75°	125.7	147.0	201.9	694.3	717.3	724.4	761.6	982.9	1145.9	1153.0	1213.2
77.5°	90.3	101.0	122.2	145.2	370.2	556.1	565.0	605.7	774.0	896.2	906.8
80°	62.0	69.1	81.5	92.1	113.3	148.8	410.9	423.3	444.5	612.8	644.7
82.5°	35.4	40.7	47.8	58.4	67.3	85.0	109.8	141.7	288.7	308.2	409.1
85°	17.7	19.5	23.0	28.3	33.7	40.7	54.9	67.3	92.1	166.5	171.8
87.5°	8.9	8.9	8.9	8.9	14.2	15.9	19.5	24.8	31.9	47.8	62.0
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-LD5-101SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	5883.5	5908.3	5929.5	5934.8	5934.8	5938.4	5943.7	5947.2	5950.8	5954.3	5950.8
5°	5872.8	5899.4	5917.1	5922.4	5922.4	5933.1	5941.9	5952.5	5957.9	5957.9	5954.3
7.5°	5846.3	5865.8	5888.8	5902.9	5904.7	5922.4	5938.4	5936.6	5943.7	5947.2	5956.1
10°	5810.9	5810.9	5849.8	5860.4	5869.3	5888.8	5894.1	5904.7	5929.5	5933.1	5956.1
12.5°	5793.1	5775.4	5821.5	5826.8	5856.9	5832.1	5864.0	5874.6	5849.8	5883.5	5839.2
15°	5713.4	5734.7	5727.6	5743.6	5796.7	5768.3	5855.1	5826.8	5890.6	5814.4	5949.0
17.5°	5647.9	5644.4	5672.7	5686.9	5697.5	5757.7	5780.7	5812.6	5837.4	5816.2	5869.3
20°	5600.1	5571.8	5593.0	5609.0	5646.1	5692.2	5706.4	5658.5	5741.8	5883.5	5917.1
22.5°	5509.8	5490.3	5515.1	5515.1	5571.8	5564.7	5617.8	5587.7	5665.6	5830.3	6002.1
25°	5387.6	5389.3	5415.9	5447.8	5458.4	5538.1	5566.4	5605.4	5702.8	5899.4	6003.9
27.5°	5263.6	5253.0	5268.9	5334.4	5389.3	5447.8	5456.6	5589.5	5722.3	5856.9	5949.0
30°	5139.6	5129.0	5139.6	5187.4	5253.0	5291.9	5389.3	5566.4	5690.4	5782.5	5869.3
32.5°	5006.8	4996.2	5021.0	5056.4	5171.5	5176.8	5369.9	5536.3	5633.7	5701.0	5685.1
35°	4865.1	4850.9	4874.0	4928.9	5035.1	5074.1	5276.0	5400.0	5509.8	5541.7	5467.3
37.5°	4695.1	4670.3	4698.6	4774.8	4886.4	4999.7	5168.0	5311.4	5369.9	5284.8	5196.3
40°	4518.0	4500.3	4549.9	4588.8	4719.9	4877.5	5070.6	5171.5	5134.3	5036.9	4939.5
42.5°	4360.4	4323.2	4367.4	4441.8	4590.6	4769.5	4925.3	4982.0	4893.4	4750.0	4636.6
45°	4167.3	4123.0	4176.2	4275.3	4434.7	4638.4	4760.6	4741.1	4590.6	4466.6	4310.8
47.5°	3965.4	3912.3	3965.4	4084.1	4262.9	4479.0	4567.6	4479.0	4289.5	4133.7	4007.9
50°	3767.0	3705.1	3756.4	3935.3	4110.6	4277.1	4275.3	4103.6	3990.2	3820.2	3710.4
52.5°	3570.5	3481.9	3533.3	3728.1	3903.4	4092.9	3953.0	3793.6	3657.2	3508.5	3473.1
55°	3327.8	3232.2	3301.3	3584.6	3719.2	3830.8	3607.7	3467.7	3333.1	3258.8	3214.5
57.5°	3097.6	2993.1	3053.3	3388.0	3487.2	3515.6	3310.1	3111.8	3032.1	3007.3	2943.5
60°	2860.3	2741.6	2798.3	3184.4	3253.4	3138.3	2936.4	2782.3	2766.4	2716.8	2667.2
62.5°	2633.6	2502.5	2537.9	2931.1	2963.0	2754.0	2568.0	2527.3	2488.3	2438.8	2412.2
65°	2373.2	2236.9	2286.4	2661.9	2631.8	2362.6	2258.1	2249.2	2197.9	2157.2	2196.1
67.5°	2134.1	1973.0	2042.0	2367.9	2231.5	2011.9	1969.4	1948.2	1907.4	1930.5	1521.3
70°	1872.0	1696.7	1790.5	2050.9	1849.0	1703.8	1687.8	1655.9	1657.7	1317.7	1110.5
72.5°	1579.8	1427.5	1563.8	1703.8	1462.9	1420.4	1397.4	1393.8	1124.6	913.9	862.5
75°	1323.0	1168.9	1315.9	1369.0	1165.4	1137.0	1135.3	938.7	738.5	704.9	688.9
77.5°	1032.5	913.9	1053.8	974.1	894.4	862.5	774.0	580.9	556.1	533.1	200.1
80°	696.0	704.9	786.4	671.2	637.6	543.7	428.6	410.9	354.2	141.7	111.6
82.5°	423.3	531.3	501.2	419.7	410.9	295.8	271.0	138.1	102.7	81.5	70.8
85°	219.6	269.2	258.6	228.5	170.0	152.3	85.0	65.5	53.1	40.7	33.7
87.5°	74.4	99.2	95.6	76.2	58.4	46.0	30.1	24.8	17.7	14.2	12.4
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-LD5-101SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	5947.2	5947.2	5943.7	5947.2	5949.0	5945.5	5945.5	5949.0	5950.8	5952.5	5961.4
5°	5956.1	5959.6	5964.9	5975.6	5977.3	5998.6	6007.4	6012.8	6018.1	6019.8	6007.4
7.5°	5975.6	5988.0	5998.6	5996.8	5984.4	5950.8	5940.1	5931.3	5947.2	5988.0	6035.8
10°	5993.3	5936.6	5830.3	5975.6	5931.3	5972.0	6092.5	6119.0	6200.5	6315.6	6349.3
12.5°	5871.1	6026.9	6060.6	5897.6	6198.7	6087.1	6220.0	6336.9	6370.5	6487.4	6416.6
15°	6002.1	6078.3	6129.6	6292.6	6274.9	6370.5	6407.7	6384.7	6390.0	6420.1	6499.8
17.5°	6000.4	6152.7	6186.3	6296.1	6370.5	6372.3	6361.7	6351.0	6379.4	6402.4	6354.6
20°	6103.1	6152.7	6218.2	6262.5	6276.6	6294.4	6328.0	6301.4	6248.3	6196.9	6175.7
22.5°	6051.7	6163.3	6220.0	6227.1	6218.2	6163.3	6113.7	6039.3	6014.5	5988.0	5996.8
25°	6062.3	6113.7	6106.6	6078.3	6041.1	5938.4	5913.6	5881.7	5833.9	5718.8	5614.3
27.5°	5986.2	5959.6	5927.7	5858.7	5791.4	5736.5	5674.5	5571.8	5486.8	5362.8	5316.7
30°	5858.7	5752.4	5674.5	5633.7	5568.2	5476.1	5382.3	5256.5	5148.5	5123.7	5100.7
32.5°	5614.3	5509.8	5446.0	5346.8	5235.3	5125.5	5017.4	4967.8	4944.8	4948.3	4927.1
35°	5364.5	5272.5	5176.8	5028.0	4944.8	4835.0	4796.0	4785.4	4764.2	4741.1	4716.3
37.5°	5098.9	4990.9	4847.4	4758.8	4675.6	4631.3	4611.8	4595.9	4558.7	4518.0	4489.6
40°	4842.1	4647.3	4567.6	4480.8	4456.0	4436.5	4408.2	4369.2	4317.8	4310.8	4298.4
42.5°	4498.5	4358.6	4289.5	4271.8	4241.7	4208.0	4183.2	4140.7	4119.5	4133.7	4144.3
45°	4172.6	4101.8	4078.8	4057.5	4000.8	3953.0	3937.1	3922.9	3940.6	4018.5	3832.6
47.5°	3908.7	3880.4	3852.1	3816.6	3763.5	3728.1	3744.0	3758.2	3774.1	3202.1	2922.3
50°	3680.3	3641.3	3597.0	3558.1	3526.2	3522.6	3605.9	3356.2	2810.7	2796.5	2513.1
52.5°	3430.5	3372.1	3345.5	3322.5	3336.7	3389.8	2805.4	2603.5	2497.2	2169.6	2024.3
55°	3161.3	3110.0	3110.0	3131.2	3055.1	2475.9	2445.8	2114.6	1914.5	1857.8	1834.8
57.5°	2892.1	2886.8	2916.9	2667.2	2247.5	2155.4	1811.8	1739.2	1707.3	1700.2	1663.0
60°	2646.0	2695.6	2256.3	2075.7	1804.7	1627.6	1578.0	1569.2	1535.5	1523.1	1489.5
62.5°	2449.4	2031.4	1891.5	1544.4	1454.0	1431.0	1404.5	1392.1	1361.9	1202.6	352.4
65°	1769.3	1671.9	1356.6	1298.2	1291.1	1257.5	1246.8	1121.1	263.9	177.1	150.5
67.5°	1335.4	1184.8	1144.1	1133.5	1099.8	1032.5	306.4	175.3	150.5	131.1	115.1
70°	1025.4	998.9	968.8	944.0	278.1	173.6	150.5	127.5	109.8	97.4	88.6
72.5°	839.5	821.8	478.2	182.4	148.8	125.7	111.6	97.4	85.0	77.9	70.8
75°	657.1	182.4	150.5	125.7	108.0	92.1	81.5	72.6	65.5	60.2	54.9
77.5°	148.8	120.4	102.7	86.8	77.9	69.1	62.0	53.1	47.8	42.5	35.4
80°	92.1	79.7	67.3	62.0	53.1	44.3	39.0	35.4	28.3	26.6	23.0
82.5°	60.2	47.8	42.5	35.4	28.3	26.6	23.0	17.7	15.9	14.2	12.4
85°	26.6	23.0	19.5	15.9	12.4	10.6	8.9	7.1	7.1	7.1	7.1
87.5°	8.9	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	5964.9	5996.8	6026.9	6018.1	5986.2	5936.6	5922.4	5902.9	5917.1	5947.2	5959.6
5°	6007.4	5989.7	6053.5	6147.4	6299.7	6313.8	6420.1	6444.9	6529.9	6583.0	6581.3
7.5°	6067.7	6319.1	6423.6	6537.0	6588.4	6576.0	6591.9	6579.5	6560.0	6551.2	6540.5
10°	6374.1	6565.3	6604.3	6604.3	6524.6	6416.6	6370.5	6290.8	6131.4	6135.0	6108.4
12.5°	6552.9	6620.2	6528.1	6450.2	6129.6	6005.7	5871.1	5807.3	5770.1	5713.4	5734.7
15°	6459.1	6363.4	6308.5	6057.0	5860.4	5637.3	5640.8	5601.9	5561.1	5564.7	5538.1
17.5°	6320.9	6244.8	5855.1	5681.6	5585.9	5499.1	5483.2	5431.8	5405.3	5396.4	5394.7
20°	6131.4	5856.9	5566.4	5523.9	5408.8	5309.6	5293.7	5309.6	5391.1	5245.9	4753.5
22.5°	5910.0	5515.1	5430.1	5309.6	5231.7	5192.8	5290.2	4847.4	4177.9	4259.4	4172.6
25°	5534.6	5362.8	5217.5	5125.5	5116.6	4877.5	4064.6	3979.6	3549.2	3319.0	3060.4
27.5°	5260.1	5185.7	5033.4	5017.4	4902.3	3988.4	3565.1	3097.6	2925.8	2899.2	2842.6
30°	5093.6	4987.3	4895.2	4493.2	3912.3	3210.9	2860.3	2794.7	2764.6	2732.7	2683.2
32.5°	4893.4	4792.5	4836.8	3777.7	3118.8	2764.6	2693.8	2646.0	2591.1	2569.8	2390.9
35°	4689.8	4643.7	3779.4	3175.5	2681.4	2596.4	2543.2	2493.7	1983.6	480.0	162.9
37.5°	4471.9	4461.3	3396.9	2635.3	2511.4	2431.7	2281.1	471.1	111.6	76.2	56.7
40°	4301.9	3398.7	2684.9	2470.6	2369.7	2243.9	315.2	77.9	49.6	30.1	19.5
42.5°	4188.6	3056.9	2403.3	2318.3	2098.7	232.0	79.7	33.7	19.5	15.9	12.4
45°	3228.6	2414.0	2245.7	2157.2	265.7	79.7	46.0	15.9	12.4	10.6	7.1
47.5°	2978.9	2192.6	2093.4	471.1	88.6	42.5	31.9	10.6	7.1	7.1	7.1
50°	2256.3	2026.1	1666.6	115.1	56.7	30.1	23.0	7.1	7.1	7.1	5.3
52.5°	1978.3	1870.2	178.9	76.2	44.3	23.0	14.2	5.3	5.3	5.3	5.3
55°	1808.3	1186.6	106.3	58.4	37.2	21.3	8.9	5.3	5.3	5.3	3.5
57.5°	1654.2	159.4	77.9	49.6	33.7	19.5	5.3	5.3	5.3	5.3	3.5
60°	1402.7	115.1	63.8	44.3	31.9	17.7	5.3	5.3	5.3	5.3	5.3
62.5°	182.4	90.3	54.9	39.0	23.0	14.2	3.5	5.3	5.3	5.3	5.3
65°	132.8	70.8	49.6	26.6	14.2	5.3	3.5	5.3	5.3	5.3	5.3
67.5°	102.7	58.4	37.2	23.0	12.4	3.5	3.5	5.3	5.3	5.3	5.3
70°	81.5	49.6	30.1	19.5	10.6	3.5	3.5	5.3	5.3	5.3	5.3
72.5°	63.8	35.4	21.3	10.6	7.1	3.5	3.5	5.3	5.3	5.3	5.3
75°	47.8	28.3	15.9	8.9	3.5	3.5	3.5	5.3	5.3	5.3	5.3
77.5°	31.9	17.7	12.4	7.1	7.1	7.1	8.9	8.9	5.3	5.3	5.3
80°	21.3	12.4	8.9	8.9	8.9	7.1	8.9	8.9	5.3	8.9	5.3
82.5°	10.6	8.9	8.9	7.1	7.1	5.3	7.1	7.1	7.1	7.1	5.3
85°	7.1	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.1	7.1	5.3
87.5°	3.5	3.5	3.5	3.5	5.3	5.3	5.3	5.3	7.1	7.1	5.3
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-LD5-101SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	5943.7	5949.0	5934.8	6011.0	5972.0	5975.6	5991.5	5950.8	5959.6	5931.3	5911.8
5°	6588.4	6599.0	6609.6	6613.1	6620.2	6629.1	6618.5	6613.1	6602.5	6567.1	6529.9
7.5°	6487.4	6475.0	6469.7	6476.8	6489.2	6494.5	6485.6	6498.0	6544.1	6563.6	6576.0
10°	5956.1	5899.4	5938.4	5933.1	5888.8	6037.6	5996.8	6019.8	6035.8	6198.7	6297.9
12.5°	5702.8	5738.2	5670.9	5637.3	5681.6	5711.7	5741.8	5678.0	5766.6	5725.8	5856.9
15°	5490.3	5469.0	5462.0	5463.7	5454.9	5497.4	5508.0	5522.2	5534.6	5589.5	5610.7
17.5°	5394.7	5430.1	5444.2	5454.9	5437.2	5417.7	5398.2	5369.9	5378.7	5364.5	5405.3
20°	4422.3	4303.7	4296.6	4365.7	4289.5	4332.0	4434.7	5121.9	5098.9	5366.3	5276.0
22.5°	3690.9	3579.3	3483.7	3400.4	3519.1	3568.7	3760.0	3976.0	4326.7	4271.8	4652.6
25°	3014.3	2973.6	2948.8	2936.4	2945.3	2941.7	2984.2	3085.2	3244.6	3620.1	4105.3
27.5°	2819.5	2800.0	2791.2	2762.9	2784.1	2777.0	2810.7	2831.9	2879.7	2916.9	3074.6
30°	2665.4	2642.4	2626.5	2596.4	2617.6	2619.4	2630.0	2684.9	2704.4	2736.3	2785.9
32.5°	974.1	573.8	538.4	511.8	559.7	729.7	1280.5	2238.6	2553.9	2578.7	2635.3
35°	95.6	79.7	70.8	70.8	72.6	79.7	106.3	279.8	511.8	1978.3	2475.9
37.5°	37.2	31.9	26.6	24.8	26.6	30.1	40.7	53.1	72.6	150.5	671.2
40°	15.9	14.2	12.4	12.4	12.4	12.4	14.2	17.7	26.6	49.6	77.9
42.5°	10.6	8.9	8.9	8.9	8.9	8.9	8.9	8.9	12.4	15.9	31.9
45°	7.1	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.1	8.9	14.2
47.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.1
50°	5.3	5.3	5.3	5.3	3.5	5.3	3.5	5.3	5.3	5.3	5.3
52.5°	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3
55°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3
57.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
62.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	3.5
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	3.5
67.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
70°	5.3	5.3	3.5	5.3	3.5	3.5	5.3	5.3	5.3	3.5	3.5
72.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	10.6	10.6	7.1
75°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	8.9	10.6	8.9
77.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	8.9	8.9	8.9
80°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.1	7.1	7.1
82.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.1	7.1	7.1
85°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
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-LD5-101SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	5878.2	5876.4	5913.6	5941.9	5931.3	5941.9	5954.3	5956.1	5959.6	5945.5	5940.1
5°	6459.1	6404.2	6297.9	6221.7	6133.2	5972.0	5892.3	5901.2	5902.9	5897.6	5904.7
7.5°	6570.6	6565.3	6528.1	6512.2	6452.0	6336.9	6152.7	6120.8	6042.9	5993.3	5952.5
10°	6290.8	6418.3	6452.0	6508.7	6544.1	6522.8	6367.0	6343.9	6294.4	6237.7	6250.1
12.5°	5988.0	6092.5	6097.8	6405.9	6475.0	6482.1	6421.9	6453.8	6460.8	6333.3	6258.9
15°	5616.0	5665.6	5770.1	6057.0	6266.0	6397.1	6436.0	6453.8	6367.0	6361.7	6331.5
17.5°	5453.1	5485.0	5532.8	5694.0	6011.0	6204.0	6368.7	6356.3	6390.0	6365.2	6289.0
20°	5247.7	5274.2	5359.2	5440.7	5596.6	5853.4	6161.5	6184.5	6228.8	6223.5	6244.8
22.5°	5244.1	5150.2	5164.4	5228.2	5391.1	5621.4	5949.0	6025.2	6053.5	6073.0	6096.0
25°	4160.2	4905.8	5042.2	5082.9	5189.2	5323.8	5709.9	5738.2	5791.4	5878.2	5941.9
27.5°	3604.1	4110.6	4656.1	4939.5	5006.8	5118.4	5348.6	5391.1	5571.8	5593.0	5692.2
30°	2844.3	3235.7	4050.4	4732.3	4843.9	4921.8	5084.7	5169.7	5247.7	5332.7	5437.2
32.5°	2676.1	2738.1	3189.7	3915.8	4783.6	4725.2	4845.6	4897.0	4982.0	5056.4	5132.5
35°	2522.0	2564.5	2660.1	3207.4	3896.3	4564.0	4645.5	4679.1	4727.0	4783.6	4838.5
37.5°	2360.8	2424.6	2490.1	2637.1	3604.1	4436.5	4434.7	4473.7	4502.0	4549.9	4595.9
40°	428.6	2226.2	2332.5	2428.1	2794.7	3538.6	4236.4	4254.1	4273.6	4303.7	4351.5
42.5°	69.1	371.9	2185.5	2277.6	2382.1	3168.4	4146.1	4073.4	4061.0	4082.3	4124.8
45°	35.4	90.3	439.2	2127.0	2220.9	2527.3	3389.8	3947.7	3935.3	3894.6	3903.4
47.5°	26.6	56.7	108.0	735.0	2079.2	2169.6	3127.7	3094.0	3329.6	3781.2	3712.1
50°	23.0	39.0	63.8	150.5	1836.6	1997.8	2408.6	2814.2	2938.2	2954.1	3496.1
52.5°	21.3	26.6	46.0	97.4	386.1	1847.2	1958.8	2100.5	2309.5	2757.5	2746.9
55°	19.5	24.8	39.0	65.5	134.6	1664.8	1779.9	1806.5	1850.8	2065.1	2348.4
57.5°	10.6	23.0	37.2	56.7	101.0	304.6	1615.2	1636.5	1671.9	1680.7	1781.7
60°	5.3	21.3	33.7	49.6	74.4	141.7	1452.3	1477.1	1498.3	1501.9	1533.7
62.5°	3.5	19.5	28.3	46.0	62.0	101.0	343.6	701.3	1333.6	1333.6	1370.8
65°	3.5	14.2	17.7	30.1	56.7	83.2	145.2	168.3	327.6	805.8	1202.6
67.5°	3.5	5.3	15.9	24.8	42.5	63.8	106.3	124.0	148.8	170.0	315.2
70°	3.5	3.5	14.2	15.9	26.6	47.8	76.2	86.8	101.0	115.1	132.8
72.5°	3.5	3.5	12.4	12.4	17.7	31.9	58.4	63.8	72.6	81.5	93.9
75°	8.9	7.1	10.6	10.6	12.4	24.8	44.3	49.6	53.1	60.2	69.1
77.5°	8.9	8.9	8.9	8.9	8.9	15.9	28.3	31.9	37.2	40.7	47.8
80°	7.1	7.1	7.1	8.9	8.9	10.6	17.7	19.5	21.3	26.6	28.3
82.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	10.6	12.4	15.9
85°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.1	7.1	7.1	7.1
87.5°	5.3	5.3	5.3	3.5	3.5	5.3	5.3	5.3	5.3	5.3	5.3
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-LD5-101SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	5938.4	5927.7	5918.9	5924.2	5908.3	5901.2	5906.5	5908.3	5911.8	5920.7	5922.4
5°	5922.4	5918.9	5934.8	5943.7	5940.1	5943.7	5943.7	5936.6	5926.0	5933.1	5917.1
7.5°	5911.8	5888.8	5871.1	5874.6	5856.9	5878.2	5897.6	5926.0	5934.8	5934.8	5917.1
10°	6094.2	6069.4	5970.3	5902.9	5858.7	5819.7	5911.8	5817.9	5862.2	5694.0	5887.0
12.5°	6244.8	6278.4	6234.1	6049.9	6018.1	5901.2	5968.5	5853.4	5819.7	5626.7	5688.7
15°	6305.0	6241.2	6227.1	6175.7	6106.6	6073.0	5892.3	5872.8	5817.9	5839.2	5757.7
17.5°	6251.8	6283.7	6241.2	6207.6	6136.7	6057.0	5949.0	5853.4	5777.2	5607.2	5750.6
20°	6200.5	6243.0	6115.5	6136.7	6143.8	6051.7	5995.0	5915.3	5819.7	5660.3	5536.3
22.5°	6115.5	6085.4	6096.0	6064.1	6037.6	6049.9	5972.0	5917.1	5756.0	5683.3	5515.1
25°	5977.3	5966.7	5995.0	5991.5	5927.7	5906.5	5867.5	5809.1	5745.3	5628.4	5490.3
27.5°	5752.4	5807.3	5856.9	5879.9	5846.3	5789.6	5768.3	5734.7	5690.4	5571.8	5469.0
30°	5515.1	5577.1	5633.7	5683.3	5713.4	5688.7	5669.2	5649.7	5582.4	5504.5	5389.3
32.5°	5244.1	5325.6	5403.5	5463.7	5529.3	5548.7	5534.6	5518.6	5462.0	5391.1	5299.0
35°	4930.6	5042.2	5155.6	5263.6	5291.9	5338.0	5384.0	5357.5	5327.4	5256.5	5171.5
37.5°	4665.0	4744.7	4826.1	4962.5	5061.7	5120.1	5201.6	5212.2	5160.9	5127.2	5015.6
40°	4390.5	4463.1	4581.7	4661.4	4797.8	4865.1	4951.9	4990.9	4978.5	4959.0	4861.6
42.5°	4174.4	4209.8	4287.7	4358.6	4493.2	4631.3	4707.5	4750.0	4794.3	4778.3	4728.7
45°	3944.2	3976.0	4002.6	4064.6	4195.6	4317.8	4411.7	4475.5	4555.2	4592.4	4532.1
47.5°	3715.7	3724.5	3756.4	3807.8	3885.7	3979.6	4137.2	4232.8	4307.2	4379.8	4340.9
50°	3540.4	3508.5	3513.8	3545.7	3609.4	3701.5	3814.9	3949.5	4034.5	4123.0	4131.9
52.5°	3094.0	3352.6	3290.6	3308.3	3342.0	3386.3	3504.9	3637.8	3742.3	3818.4	3894.6
55°	2596.4	2647.7	3145.4	3074.6	3095.8	3134.8	3189.7	3322.5	3423.5	3529.7	3636.0
57.5°	2013.7	2396.2	2415.7	2876.2	2865.6	2869.1	2915.2	2991.3	3092.3	3225.1	3315.4
60°	1565.6	1726.8	2040.3	2199.7	2603.5	2617.6	2644.2	2688.5	2775.3	2901.0	3044.5
62.5°	1381.4	1402.7	1514.3	1753.4	2015.5	2332.5	2389.2	2396.2	2435.2	2561.0	2727.4
65°	1213.2	1227.3	1261.0	1285.8	1505.4	1811.8	2084.5	2128.8	2153.6	2228.0	2369.7
67.5°	835.9	1057.3	1087.4	1105.1	1126.4	1268.1	1606.4	1831.3	1859.6	1925.1	2049.1
70°	161.2	334.7	915.6	935.1	945.7	977.6	1032.5	1390.3	1578.0	1640.0	1696.7
72.5°	109.8	129.3	155.9	368.4	779.3	797.0	809.4	855.4	1172.4	1353.1	1383.2
75°	79.7	88.6	104.5	129.3	159.4	518.9	642.9	665.9	688.9	951.1	1103.4
77.5°	56.7	63.8	70.8	83.2	97.4	125.7	180.6	497.7	520.7	533.1	752.7
80°	31.9	39.0	47.8	54.9	62.0	70.8	92.1	115.1	256.8	375.5	394.9
82.5°	17.7	21.3	24.8	30.1	33.7	42.5	51.4	62.0	81.5	120.4	255.0
85°	8.9	8.9	8.9	12.4	14.2	19.5	23.0	26.6	37.2	51.4	70.8
87.5°	5.3	5.3	7.1	7.1	7.1	8.9	8.9	8.9	10.6	15.9	23.0
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-LD5-101SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	5901.2	5901.2	5901.2	5901.2	5901.2
2.5°	5924.2	5918.9	5918.9	5940.1	5934.8
5°	5913.6	5908.3	5906.5	5929.5	5918.9
7.5°	5904.7	5885.2	5879.9	5901.2	5892.3
10°	5869.3	5855.1	5864.0	5856.9	5853.4
12.5°	5809.1	5800.2	5763.0	5766.6	5796.7
15°	5701.0	5736.5	5672.7	5729.4	5741.8
17.5°	5502.7	5582.4	5644.4	5678.0	5683.3
20°	5591.2	5617.8	5585.9	5587.7	5609.0
22.5°	5476.1	5488.5	5497.4	5486.8	5532.8
25°	5291.9	5244.1	5346.8	5368.1	5442.5
27.5°	5235.3	5196.3	5244.1	5240.6	5302.6
30°	5189.2	5063.5	5084.7	5118.4	5194.5
32.5°	5123.7	4925.3	4904.1	4978.5	5063.5
35°	5008.6	4820.8	4771.2	4819.1	4946.6
37.5°	4911.2	4675.6	4576.4	4640.2	4806.7
40°	4765.9	4562.3	4408.2	4464.8	4661.4
42.5°	4592.4	4464.8	4227.5	4266.5	4491.4
45°	4417.0	4303.7	4052.2	4071.7	4339.1
47.5°	4238.2	4133.7	3869.8	3873.3	4144.3
50°	4062.8	3924.7	3706.8	3644.8	3937.1
52.5°	3834.3	3706.8	3542.1	3441.2	3740.5
55°	3618.3	3474.8	3354.4	3198.5	3517.3
57.5°	3407.5	3248.1	3166.7	2966.5	3264.1
60°	3118.8	3042.7	2922.3	2731.0	3035.6
62.5°	2823.1	2798.3	2676.1	2477.7	2754.0
65°	2477.7	2536.2	2410.4	2240.4	2461.8
67.5°	2151.8	2256.3	2118.2	2013.7	2180.2
70°	1804.7	1925.1	1847.2	1810.0	1880.9
72.5°	1462.9	1579.8	1586.9	1560.3	1583.3
75°	1129.9	1259.2	1330.1	1289.3	1294.6
77.5°	857.2	919.2	997.1	1029.0	1021.9
80°	529.5	637.6	701.3	766.9	743.8
82.5°	267.4	357.8	435.7	506.5	472.9
85°	111.6	143.5	200.1	263.9	253.3
87.5°	33.7	56.7	60.2	85.0	79.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)