

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-L950-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-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

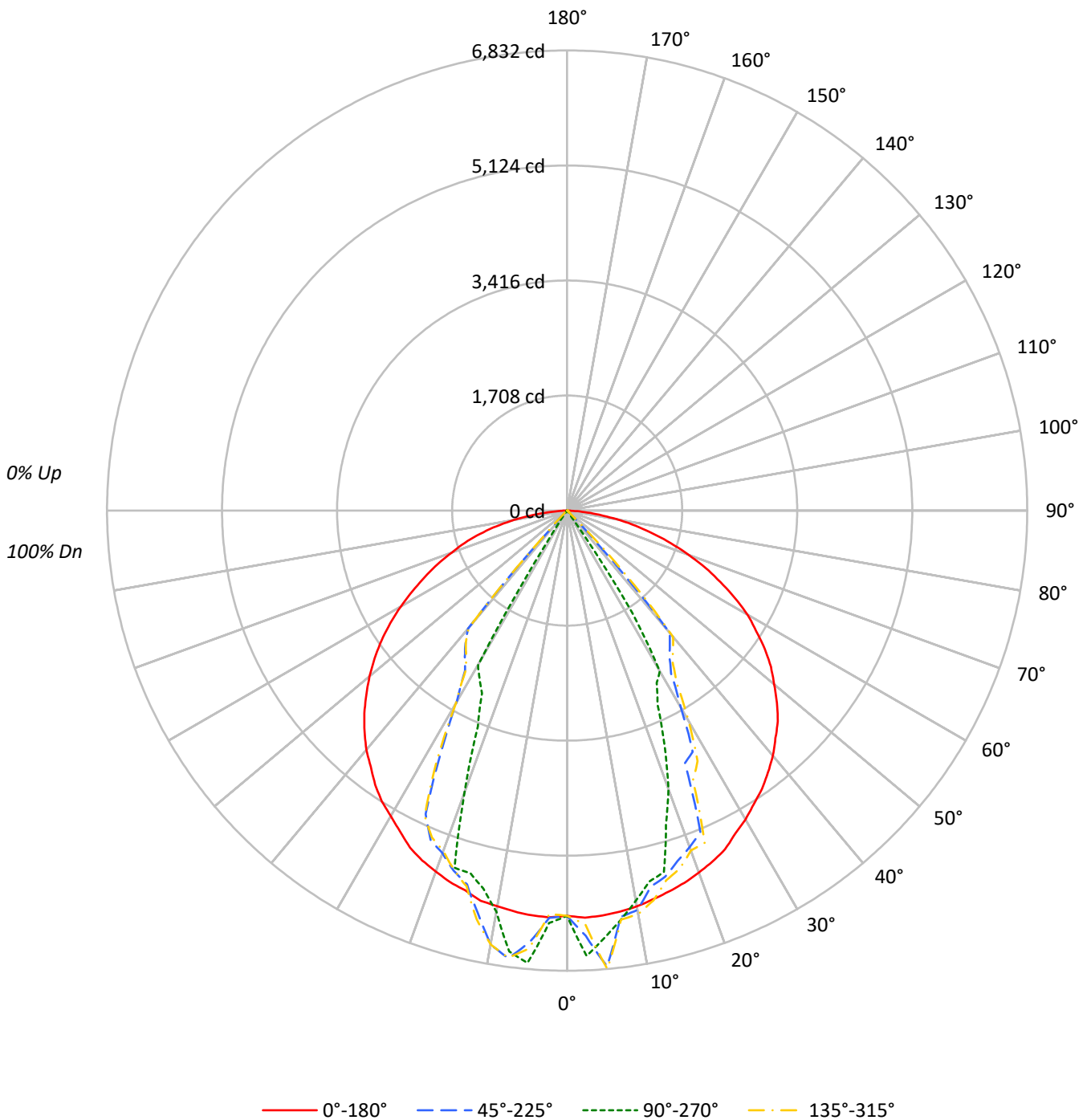
Lumens per Lamp: N/A
Luminaire Lumens: 8554.0 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



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	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°	24307	24307	24307	24307
5°	24440	25000	24432	26474
10°	24415	22622	24400	23275
15°	24383	21115	24323	21170
20°	24447	16631	24378	16836
25°	24556	12036	24436	11358
30°	24485	10558	24227	10149
35°	24604	233	24243	282
40°	24740	51	24148	51
45°	24887	30	23953	22
50°	24768	23	23631	23
55°	24708	17	23190	17
60°	24349	18	22444	18
65°	23216	29	21562	19
70°	21719	31	20676	31
75°	19469	35	19789	35
80°	16208	40	17134	40
85°	10156	47	10369	47



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.6	7.1
10°-20°	1646.3	19.2
20°-30°	2094.9	24.5
30°-40°	1769.6	20.7
40°-50°	1156.9	13.5
50°-60°	728.9	8.5
60°-70°	388.0	4.5
70°-80°	141.5	1.7
80°-90°	24.3	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°	4344.7	50.8
0°-40°	6114.3	71.5
0°-60°	8000.1	93.5
0°-90°	8554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8554.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6016	6016	6016	6016	6016	
5°	6034	6366	6032	6742	6034	574
15°	5853	5555	5839	5570	5853	1655
25°	5548	3172	5521	2994	5548	2551
35°	5043	60	4969	72	5043	3155
45°	4423	7	4257	5	4423	3402
55°	3586	4	3365	4	3586	3195
65°	2510	5	2331	4	2510	2485
75°	1320	5	1342	5	1320	1401
85°	258	5	264	5	258	326
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°	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	6050.1	6053.7	6055.5	6059.1	6064.6	6066.4	6070.0	6066.4	6066.4	6066.4	6066.4
5°	6033.9	6041.1	6046.5	6053.7	6066.4	6068.2	6082.6	6084.4	6091.6	6106.1	6116.9
7.5°	6006.8	6014.0	6024.8	6042.9	6060.9	6080.8	6106.1	6133.2	6171.1	6207.2	6252.3
10°	5967.1	5976.1	5988.7	6005.0	6093.4	6106.1	6162.1	6239.7	6261.4	6375.1	6460.0
12.5°	5909.3	5940.0	5972.5	5986.9	6071.8	6205.4	6393.2	6355.2	6313.7	6685.6	6680.2
15°	5853.3	5894.8	5878.6	5996.0	6073.6	6306.5	6227.1	6396.8	6707.3	6631.5	6635.1
17.5°	5793.7	5802.8	5893.0	5990.5	6129.6	6248.7	6346.2	6579.1	6640.5	6645.9	6579.1
20°	5717.9	5761.2	5893.0	5981.5	6216.2	6272.2	6483.4	6602.6	6577.3	6515.9	6402.2
22.5°	5640.3	5772.1	5905.7	6030.3	6194.6	6344.4	6449.1	6505.1	6373.3	6131.4	6001.4
25°	5548.2	5625.8	5801.0	5983.3	6189.1	6275.8	6337.2	6246.9	6075.4	5858.7	5640.3
27.5°	5405.6	5530.1	5754.0	5959.8	6145.8	6250.5	6151.2	5934.6	5658.3	5515.7	5416.4
30°	5295.4	5457.9	5642.1	5840.7	6033.9	6095.3	5842.5	5595.1	5405.6	5262.9	5241.3
32.5°	5161.8	5392.9	5568.1	5757.6	5920.1	5838.9	5593.3	5273.8	5116.7	5062.5	5084.2
35°	5042.7	5217.8	5447.1	5633.1	5750.4	5568.1	5179.9	4981.3	4905.5	4936.1	4896.4
37.5°	4900.0	5131.1	5342.4	5503.1	5463.3	5188.9	4860.3	4733.9	4743.0	4717.7	4641.9
40°	4752.0	4972.3	5192.5	5344.2	5205.2	4786.3	4567.8	4540.7	4546.2	4464.9	4356.6
42.5°	4578.7	4779.1	4999.3	5136.6	4836.8	4510.1	4362.0	4365.6	4318.7	4204.9	4147.2
45°	4423.4	4607.5	4836.8	4849.5	4481.2	4208.5	4165.2	4118.3	4013.6	3975.6	3932.3
47.5°	4224.8	4428.8	4618.4	4549.8	4132.7	3963.0	3930.5	3827.6	3775.2	3746.3	3710.2
50°	4013.6	4219.4	4392.7	4197.7	3804.1	3764.4	3657.9	3576.6	3540.5	3509.8	3477.3
52.5°	3813.1	3982.9	4159.8	3824.0	3551.4	3513.4	3392.5	3345.5	3309.4	3275.1	3267.9
55°	3585.7	3735.5	3856.5	3468.3	3309.4	3221.0	3134.3	3101.8	3067.5	3051.2	3078.3
57.5°	3327.5	3497.2	3479.1	3118.0	3047.6	2919.4	2886.9	2865.3	2840.0	2850.8	2625.1
60°	3094.6	3224.6	3136.1	2861.7	2742.5	2655.8	2627.0	2612.5	2627.0	2406.7	2116.0
62.5°	2807.5	2953.7	2775.0	2562.0	2435.6	2394.0	2368.8	2388.6	2177.4	1935.5	1865.0
65°	2509.6	2668.5	2404.9	2240.6	2161.1	2125.0	2123.2	1955.3	1747.7	1653.8	1653.8
67.5°	2222.5	2386.8	2047.4	1910.2	1879.5	1883.1	1778.4	1523.8	1466.0	1402.8	1220.5
70°	1917.4	2061.8	1691.7	1608.7	1590.6	1578.0	1323.4	1254.8	1186.2	1018.3	1003.8
72.5°	1614.1	1684.5	1359.5	1339.7	1336.0	1110.4	1059.8	942.5	863.0	843.2	834.1
75°	1319.8	1298.1	1074.3	1092.3	920.8	841.3	760.1	691.5	680.7	673.4	167.9
77.5°	1041.8	933.4	846.8	736.6	659.0	559.7	543.4	532.6	350.3	126.4	102.9
80°	758.3	604.8	563.3	478.4	408.0	391.8	400.8	122.8	97.5	81.2	70.4
82.5°	482.1	386.4	316.0	276.2	269.0	117.4	86.7	70.4	61.4	52.4	43.3
85°	258.2	171.5	158.9	133.6	79.4	54.2	45.1	34.3	28.9	23.5	21.7
87.5°	81.2	68.6	56.0	45.1	27.1	18.1	14.4	12.6	10.8	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	6062.8	6066.4	6064.6	6070.0	6070.0	6077.2	6082.6	6088.0	6098.9	6104.3	6145.8
5°	6140.4	6149.4	6176.5	6201.8	6232.5	6241.5	6293.9	6306.5	6367.9	6375.1	6577.3
7.5°	6313.7	6348.0	6413.0	6478.0	6543.0	6584.5	6656.8	6701.9	6750.6	6794.0	6954.7
10°	6523.1	6580.9	6644.1	6709.1	6747.0	6826.5	6869.8	6877.0	6864.4	6794.0	6534.0
12.5°	6729.0	6786.7	6759.7	6772.3	6817.4	6676.6	6696.5	6595.4	6665.8	6317.3	6059.1
15°	6700.1	6696.5	6629.7	6413.0	6449.1	6180.1	6071.8	5988.7	6055.5	6019.4	5979.7
17.5°	6613.4	6449.1	6333.6	6073.6	5963.5	5887.6	5889.4	5891.2	5858.7	5893.0	5791.9
20°	6246.9	6062.8	5891.2	5799.2	5766.7	5712.5	5739.6	5712.5	5714.3	5725.1	5569.9
22.5°	5759.4	5703.5	5604.2	5633.1	5622.2	5671.0	5634.9	5578.9	5596.9	5515.7	5398.3
25°	5562.6	5497.6	5494.0	5504.9	5488.6	5467.0	5434.5	5349.6	5344.2	5318.9	5264.7
27.5°	5364.0	5367.7	5378.5	5346.0	5288.2	5244.9	5196.1	5154.6	5170.9	5142.0	5067.9
30°	5226.8	5225.0	5160.0	5131.1	5024.6	5026.4	5013.8	4988.5	4972.3	4974.1	4927.1
32.5°	5031.8	4975.9	4901.8	4865.7	4856.7	4824.2	4798.9	4804.3	4817.0	4771.8	4820.6
35°	4831.4	4715.9	4705.0	4674.4	4645.5	4623.8	4632.8	4596.7	4594.9	4589.5	4192.3
37.5°	4562.4	4506.4	4501.0	4468.5	4448.7	4443.3	4408.9	4414.4	4430.6	4459.5	3574.8
40°	4340.3	4289.8	4277.1	4275.3	4232.0	4228.4	4237.4	4271.7	4295.2	4114.7	3406.9
42.5°	4102.0	4105.6	4065.9	4040.6	4046.0	4062.3	4105.6	3986.5	3453.9	3291.4	3114.4
45°	3898.0	3879.9	3858.3	3851.1	3898.0	3865.5	3388.9	3127.1	3063.9	3056.7	2560.2
47.5°	3685.0	3679.5	3670.5	3675.9	3408.7	3038.6	2930.3	2896.0	2906.8	2899.6	2199.1
50°	3470.1	3477.3	3477.3	3036.8	2787.6	2726.3	2735.3	2766.0	2574.6	2403.1	2049.2
52.5°	3284.1	3228.2	2766.0	2607.1	2551.1	2578.2	2513.2	2273.1	2099.8	1998.7	1895.7
55°	2939.3	2527.7	2424.7	2399.5	2419.3	2179.2	2031.1	1875.9	1830.7	1819.9	1760.3
57.5°	2312.8	2229.8	2238.8	2137.7	1908.4	1773.0	1713.4	1691.7	1671.9	1657.4	144.4
60°	2045.6	2069.1	1893.9	1677.3	1585.2	1567.1	1552.7	1532.8	1529.2	1504.0	92.1
62.5°	1872.3	1646.6	1494.9	1440.8	1419.1	1413.7	1386.6	1377.6	1169.9	160.7	68.6
65°	1411.9	1319.8	1290.9	1278.3	1254.8	1254.8	1041.8	164.3	133.6	115.5	61.4
67.5°	1151.9	1144.7	1130.2	1114.0	758.3	158.9	139.0	121.0	104.7	92.1	54.2
70°	975.0	971.3	884.7	162.5	135.4	119.2	104.7	93.9	86.7	77.6	48.7
72.5°	799.8	162.5	137.2	119.2	102.9	93.9	84.9	75.8	68.6	63.2	39.7
75°	124.6	110.1	97.5	88.5	81.2	72.2	65.0	59.6	57.8	50.6	27.1
77.5°	90.3	77.6	70.4	63.2	56.0	50.6	43.3	37.9	34.3	28.9	19.9
80°	63.2	56.0	50.6	41.5	36.1	30.7	27.1	23.5	21.7	18.1	9.0
82.5°	36.1	30.7	27.1	21.7	19.9	16.2	14.4	12.6	12.6	9.0	9.0
85°	16.2	16.2	12.6	10.8	9.0	9.0	9.0	7.2	7.2	5.4	5.4
87.5°	7.2	7.2	7.2	7.2	7.2	5.4	5.4	5.4	5.4	5.4	3.6
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°	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	6203.6	6227.1	6272.2	6319.1	6266.8	6454.5	6440.1	6503.3	6537.6	6553.8	6591.8
5°	6756.1	6860.8	6895.1	6792.2	6732.6	6671.2	6532.2	6427.5	6440.1	6405.8	6281.2
7.5°	6745.2	6521.3	6219.8	6082.6	6071.8	6055.5	6098.9	6124.1	6127.8	6125.9	6122.3
10°	6174.7	6059.1	6039.3	6021.2	6028.5	5961.6	5931.0	5844.3	5891.2	5866.0	5875.0
12.5°	6001.4	5974.3	5867.8	5719.7	5808.2	5741.4	5703.5	5728.7	5699.9	5672.8	5663.7
15°	5898.5	5723.3	5663.7	5627.6	5602.4	5587.9	5600.6	5571.7	5562.6	5557.2	5569.9
17.5°	5685.4	5615.0	5550.0	5454.3	5456.1	5450.7	5486.8	5541.0	5544.6	5266.5	5015.6
20°	5517.5	5459.7	5376.7	5317.1	5398.3	5253.9	4696.0	4430.6	4389.1	4389.1	4396.3
22.5°	5383.9	5255.7	5261.1	5167.2	4407.1	4251.9	4255.5	4271.7	4197.7	3944.9	3917.9
25°	5201.5	5181.7	4786.3	4136.3	4141.7	4020.8	3834.8	3573.0	3289.6	3289.6	3242.6
27.5°	5064.3	4643.7	4065.9	4038.8	3632.6	3376.2	3217.3	2977.2	2944.7	2914.0	2917.6
30°	4947.0	3928.7	3943.1	3376.2	3076.5	2863.5	2850.8	2811.1	2791.3	2785.8	2766.0
32.5°	3910.6	3825.8	3300.4	2874.3	2756.9	2722.6	2706.4	2661.3	2659.5	2625.1	2386.8
35°	3666.9	3358.2	2762.4	2646.8	2612.5	2580.0	2552.9	1713.4	202.2	81.2	70.4
37.5°	3388.9	2805.7	2554.7	2502.4	2469.9	1825.3	182.4	63.2	45.1	32.5	28.9
40°	2872.5	2506.0	2426.5	2368.8	976.8	63.2	39.7	30.7	18.1	16.2	14.4
42.5°	2422.9	2361.5	2276.7	693.3	72.2	30.7	19.9	14.4	12.6	12.6	10.8
45°	2267.7	2213.5	917.2	68.6	45.1	14.4	12.6	12.6	10.8	7.2	7.2
47.5°	2123.2	1868.7	83.1	43.3	28.9	12.6	10.8	7.2	7.2	7.2	5.4
50°	1969.8	102.9	57.8	32.5	18.1	7.2	7.2	7.2	7.2	5.4	5.4
52.5°	368.3	72.2	46.9	28.9	9.0	7.2	7.2	7.2	5.4	5.4	5.4
55°	86.7	57.8	43.3	25.3	7.2	7.2	7.2	5.4	5.4	5.4	3.6
57.5°	65.0	43.3	34.3	23.5	7.2	5.4	5.4	5.4	5.4	5.4	3.6
60°	54.2	30.7	27.1	21.7	5.4	5.4	5.4	5.4	5.4	5.4	3.6
62.5°	37.9	25.3	19.9	16.2	5.4	5.4	5.4	5.4	5.4	5.4	5.4
65°	30.7	19.9	16.2	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
67.5°	27.1	16.2	10.8	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4
70°	21.7	5.4	5.4	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4
72.5°	18.1	5.4	3.6	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4
75°	18.1	9.0	3.6	3.6	5.4	5.4	7.2	7.2	5.4	5.4	5.4
77.5°	12.6	9.0	3.6	3.6	5.4	5.4	7.2	7.2	5.4	5.4	5.4
80°	7.2	9.0	3.6	5.4	5.4	10.8	12.6	7.2	5.4	5.4	5.4
82.5°	7.2	9.0	10.8	10.8	5.4	9.0	10.8	9.0	7.2	5.4	5.4
85°	7.2	5.4	7.2	9.0	5.4	9.0	9.0	7.2	7.2	5.4	5.4
87.5°	3.6	5.4	5.4	7.2	7.2	7.2	9.0	7.2	7.2	7.2	5.4
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-LD5-95SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	6609.8	6617.0	6503.3	6463.6	6497.9	6490.7	6460.0	6346.2	6333.6	6257.7	6147.6
5°	6317.3	6366.1	6306.5	6409.4	6360.7	6409.4	6557.5	6626.1	6738.0	6806.6	6831.9
7.5°	6113.3	6124.1	6124.1	6133.2	6142.2	6144.0	6133.2	6125.9	6095.3	6057.3	6125.9
10°	5866.0	5878.6	5900.3	5896.7	5894.8	5932.8	5941.8	6019.4	6015.8	6030.3	6082.6
12.5°	5737.8	5640.3	5728.7	5705.3	5737.8	5687.2	5781.1	5764.9	5770.3	5813.6	5925.5
15°	5524.7	5555.4	5577.1	5577.1	5589.7	5578.9	5568.1	5642.1	5687.2	5689.0	5681.8
17.5°	5114.9	4882.0	5120.3	5058.9	5548.2	5560.8	5519.3	5485.0	5485.0	5512.1	5569.9
20°	4390.9	4396.3	4398.1	4421.6	4450.5	4448.7	4450.5	5161.8	5499.4	5421.8	5369.5
22.5°	3849.3	3782.5	3907.0	3898.0	4053.3	4224.8	4389.1	4372.8	4383.7	4885.6	5337.0
25°	3085.5	3172.2	3101.8	3132.5	3307.6	3511.6	3638.0	3968.4	4327.7	4302.4	4419.8
27.5°	2905.0	2881.5	2914.0	2914.0	2937.5	2964.6	3035.0	3221.0	3540.5	3876.3	4194.1
30°	2733.5	2753.3	2756.9	2789.4	2807.5	2825.6	2836.4	2906.8	2979.0	3211.9	3603.7
32.5°	2052.8	1800.0	2368.8	2522.2	2652.2	2682.9	2704.6	2733.5	2785.8	2820.1	3016.9
35°	59.6	59.6	63.2	72.2	92.1	621.1	2365.2	2607.1	2641.4	2684.7	2720.8
37.5°	28.9	21.7	25.3	27.1	32.5	45.1	65.0	202.2	2251.4	2545.7	2585.4
40°	12.6	12.6	12.6	12.6	14.4	18.1	27.1	45.1	68.6	1810.9	2442.8
42.5°	10.8	10.8	10.8	10.8	10.8	10.8	12.6	16.2	32.5	77.6	1281.9
45°	7.2	7.2	5.4	7.2	7.2	9.0	10.8	10.8	14.4	48.7	88.5
47.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	9.0	10.8	32.5	46.9
50°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	25.3	32.5
52.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	10.8	28.9
55°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4	7.2	25.3
57.5°	3.6	3.6	3.6	3.6	3.6	5.4	3.6	3.6	5.4	5.4	23.5
60°	3.6	3.6	3.6	3.6	3.6	5.4	5.4	5.4	5.4	5.4	21.7
62.5°	5.4	5.4	3.6	5.4	3.6	3.6	5.4	5.4	5.4	5.4	14.4
65°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	3.6	5.4
67.5°	5.4	5.4	5.4	5.4	3.6	5.4	3.6	5.4	5.4	3.6	3.6
70°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	3.6	3.6	3.6	3.6
72.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	3.6	3.6	3.6	3.6
75°	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2	3.6	3.6	3.6
77.5°	5.4	5.4	5.4	5.4	5.4	5.4	9.0	10.8	9.0	9.0	3.6
80°	5.4	5.4	5.4	5.4	5.4	5.4	9.0	9.0	9.0	9.0	12.6
82.5°	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2	7.2	7.2	9.0
85°	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2	7.2	5.4	7.2
87.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2	5.4	5.4	5.4
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-LD5-95SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	6156.6	6095.3	6075.4	6033.9	6030.3	6033.9	6024.8	6012.2	6019.4	6006.8	5996.0
5°	6846.3	6682.0	6575.5	6432.9	6236.1	6192.7	6181.9	6120.5	6098.9	6091.6	6062.8
7.5°	6288.4	6588.1	6768.7	6830.1	6599.0	6544.8	6481.6	6431.1	6382.3	6290.2	6234.3
10°	6041.1	6055.5	6228.9	6431.1	6759.7	6804.8	6839.1	6729.0	6698.3	6463.6	6413.0
12.5°	5983.3	5985.1	6005.0	6127.8	6385.9	6414.8	6535.8	6600.8	6680.2	6725.4	6689.3
15°	5719.7	5866.0	5974.3	5985.1	6008.6	6059.1	6095.3	6320.9	6416.6	6673.0	6658.6
17.5°	5596.9	5643.9	5801.0	5929.2	5907.5	5889.4	5918.3	5949.0	6041.1	6297.5	6293.9
20°	5392.9	5542.8	5627.6	5761.2	5882.2	5887.6	5855.1	5837.1	5801.0	5842.5	5880.4
22.5°	5306.3	5329.7	5488.6	5582.5	5719.7	5768.5	5775.7	5777.5	5757.6	5736.0	5725.1
25°	5297.2	5223.2	5304.5	5421.8	5522.9	5575.3	5634.9	5654.7	5647.5	5647.5	5636.7
27.5°	4334.9	5199.7	5156.4	5234.0	5356.8	5392.9	5423.6	5485.0	5522.9	5550.0	5562.6
30°	4129.1	4284.4	5040.9	5051.7	5176.3	5172.7	5207.0	5257.5	5306.3	5369.5	5385.7
32.5°	3652.5	4033.4	4614.8	4869.3	4999.3	5012.0	5030.0	5044.5	5089.6	5160.0	5221.4
35°	2926.7	3674.1	3954.0	4782.7	4806.2	4831.4	4842.3	4876.6	4891.0	4919.9	4974.1
37.5°	2648.6	3036.8	3793.3	4136.3	4584.1	4605.7	4663.5	4678.0	4701.4	4724.9	4766.4
40°	2487.9	2594.5	3157.8	3694.0	4405.3	4419.8	4439.6	4475.8	4477.6	4504.6	4542.6
42.5°	2359.7	2428.4	2592.6	3527.9	4279.0	4277.1	4230.2	4253.7	4264.5	4293.4	4345.8
45°	1884.9	2278.5	2383.2	2881.5	3406.9	3652.5	4123.7	4046.0	4044.2	4055.1	4111.0
47.5°	95.7	2143.1	2217.1	2377.8	3217.3	3226.4	3287.8	3804.1	3883.6	3858.3	3863.7
50°	65.0	148.0	2065.5	2139.5	2773.2	2997.1	3042.2	3065.7	3363.6	3695.8	3641.6
52.5°	50.6	84.9	1265.6	1986.0	2253.2	2417.5	2708.2	2874.3	2892.4	3026.0	3479.1
55°	45.1	65.0	137.2	1832.5	1915.6	1951.7	2121.4	2412.1	2646.8	2717.2	2722.6
57.5°	39.7	59.6	93.9	828.7	1742.3	1749.5	1778.4	1879.5	2090.7	2283.9	2502.4
60°	36.1	52.4	74.0	142.6	1583.4	1601.4	1606.9	1633.9	1659.2	1791.0	2042.0
62.5°	21.7	41.5	65.0	102.9	1253.0	1439.0	1437.2	1455.2	1478.7	1493.1	1543.7
65°	18.1	32.5	56.0	86.7	153.5	191.4	1162.7	1292.7	1307.2	1327.0	1336.0
67.5°	16.2	28.9	41.5	68.6	115.5	131.8	151.7	187.8	1025.5	1155.5	1173.6
70°	14.4	19.9	34.3	57.8	93.9	101.1	113.7	130.0	153.5	189.6	928.0
72.5°	9.0	14.4	23.5	41.5	72.2	81.2	88.5	99.3	110.1	131.8	151.7
75°	3.6	10.8	19.9	30.7	56.0	61.4	66.8	74.0	83.1	97.5	108.3
77.5°	3.6	9.0	16.2	21.7	36.1	41.5	48.7	54.2	61.4	68.6	79.4
80°	12.6	7.2	10.8	16.2	25.3	27.1	30.7	34.3	39.7	45.1	52.4
82.5°	9.0	10.8	12.6	10.8	12.6	16.2	18.1	21.7	23.5	27.1	28.9
85°	7.2	7.2	9.0	9.0	9.0	9.0	9.0	9.0	10.8	12.6	16.2
87.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	5996.0	5992.3	5981.5	5981.5	5979.7	5986.9	5992.3	5997.8	5996.0	6006.8	5996.0
5°	6041.1	6032.1	6015.8	6001.4	5996.0	5999.6	5994.1	5999.6	5992.3	6001.4	5985.1
7.5°	6165.7	6135.0	6071.8	6046.5	6014.0	6012.2	5996.0	5992.3	5981.5	5981.5	5961.6
10°	6385.9	6237.9	6219.8	6144.0	6116.9	5985.1	6014.0	5965.3	5959.8	5936.4	5927.3
12.5°	6566.5	6450.9	6416.6	6349.8	6274.0	6006.8	6066.4	5961.6	5956.2	5909.3	5860.5
15°	6570.1	6636.9	6543.0	6358.9	6342.6	6158.4	6037.5	6001.4	5954.4	5813.6	5837.1
17.5°	6358.9	6512.3	6557.5	6517.7	6402.2	6277.6	6107.9	6035.7	5894.8	5831.7	5788.3
20°	6015.8	6171.1	6364.3	6376.9	6449.1	6360.7	6138.6	6021.2	5851.5	5741.4	5705.3
22.5°	5743.2	5856.9	6079.0	6181.9	6270.4	6301.1	6160.2	5986.9	5775.7	5669.2	5647.5
25°	5598.7	5624.0	5690.8	5811.8	6006.8	6147.6	6167.5	5983.3	5873.2	5640.3	5517.5
27.5°	5546.4	5524.7	5497.6	5559.0	5705.3	5876.8	5990.5	6021.2	5746.8	5524.7	5402.0
30°	5412.8	5425.4	5383.9	5362.2	5457.9	5634.9	5837.1	5887.6	5676.4	5447.1	5306.3
32.5°	5248.5	5270.2	5277.4	5239.5	5219.6	5342.4	5560.8	5681.8	5671.0	5337.0	5179.9
35°	5042.7	5104.1	5120.3	5122.1	5089.6	5069.7	5196.1	5447.1	5542.8	5286.4	5058.9
37.5°	4826.0	4844.1	4932.5	4956.0	4956.0	4896.4	4990.3	5190.7	5324.3	5172.7	4910.9
40°	4555.2	4613.0	4696.0	4737.5	4779.1	4784.5	4732.1	4873.0	5093.2	5055.3	4771.8
42.5°	4358.4	4396.3	4446.9	4502.8	4587.7	4609.4	4555.2	4580.5	4809.8	4909.1	4591.3
45°	4129.1	4179.7	4194.1	4255.5	4344.0	4407.1	4405.3	4353.0	4537.1	4659.9	4459.5
47.5°	3894.4	3943.1	3968.4	3999.1	4064.1	4145.3	4190.5	4167.0	4203.1	4443.3	4284.4
50°	3652.5	3679.5	3730.1	3764.4	3807.7	3854.7	3963.0	3984.7	3934.1	4125.5	4091.2
52.5°	3423.2	3432.2	3466.5	3500.8	3558.6	3592.9	3679.5	3744.5	3740.9	3796.9	3876.3
55°	3244.4	3204.7	3211.9	3239.0	3276.9	3329.3	3378.0	3479.1	3513.4	3524.3	3650.7
57.5°	2534.9	2942.9	2979.0	2977.2	3022.4	3045.8	3091.0	3157.8	3280.5	3253.4	3394.3
60°	2303.8	2348.9	2690.1	2729.9	2746.1	2767.8	2821.9	2883.3	2973.6	3031.4	3092.8
62.5°	1756.7	2031.1	2134.1	2435.6	2482.5	2495.2	2531.3	2560.2	2654.0	2785.8	2760.6
65°	1359.5	1476.9	1791.0	1913.8	2170.2	2202.7	2253.2	2283.9	2311.0	2462.7	2469.9
67.5°	1175.4	1193.4	1278.3	1514.8	1677.3	1928.2	1958.9	1986.0	2027.5	2135.9	2202.7
70°	1003.8	1025.5	1049.0	1068.8	1280.1	1446.2	1679.1	1688.1	1715.2	1787.4	1939.1
72.5°	189.6	857.6	872.0	884.7	908.1	1018.3	1240.4	1420.9	1431.7	1466.0	1605.1
75°	128.2	149.9	205.8	707.7	731.2	738.4	776.4	1002.0	1168.1	1175.4	1236.7
77.5°	92.1	102.9	124.6	148.0	377.3	566.9	575.9	617.5	789.0	913.6	924.4
80°	63.2	70.4	83.1	93.9	115.5	151.7	418.9	431.5	453.2	624.7	657.2
82.5°	36.1	41.5	48.7	59.6	68.6	86.7	111.9	144.4	294.3	314.2	417.1
85°	18.1	19.9	23.5	28.9	34.3	41.5	56.0	68.6	93.9	169.7	175.1
87.5°	9.0	9.0	9.0	9.0	14.4	16.2	19.9	25.3	32.5	48.7	63.2
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	5997.8	6023.0	6044.7	6050.1	6050.1	6053.7	6059.1	6062.8	6066.4	6070.0	6066.4
5°	5986.9	6014.0	6032.1	6037.5	6037.5	6048.3	6057.3	6068.2	6073.6	6073.6	6070.0
7.5°	5959.8	5979.7	6003.2	6017.6	6019.4	6037.5	6053.7	6051.9	6059.1	6062.8	6071.8
10°	5923.7	5923.7	5963.5	5974.3	5983.3	6003.2	6008.6	6019.4	6044.7	6048.3	6071.8
12.5°	5905.7	5887.6	5934.6	5940.0	5970.7	5945.4	5977.9	5988.7	5963.5	5997.8	5952.6
15°	5824.4	5846.1	5838.9	5855.1	5909.3	5880.4	5968.9	5940.0	6005.0	5927.3	6064.6
17.5°	5757.6	5754.0	5782.9	5797.4	5808.2	5869.6	5893.0	5925.5	5950.8	5929.2	5983.3
20°	5708.9	5680.0	5701.7	5717.9	5755.8	5802.8	5817.2	5768.5	5853.3	5997.8	6032.1
22.5°	5616.8	5596.9	5622.2	5622.2	5680.0	5672.8	5726.9	5696.2	5775.7	5943.6	6118.7
25°	5492.2	5494.0	5521.1	5553.6	5564.4	5645.7	5674.6	5714.3	5813.6	6014.0	6120.5
27.5°	5365.8	5355.0	5371.3	5438.1	5494.0	5553.6	5562.6	5698.1	5833.5	5970.7	6064.6
30°	5239.5	5228.6	5239.5	5288.2	5355.0	5394.7	5494.0	5674.6	5801.0	5894.8	5983.3
32.5°	5104.1	5093.2	5118.5	5154.6	5272.0	5277.4	5474.2	5643.9	5743.2	5811.8	5795.5
35°	4959.6	4945.2	4968.6	5024.6	5132.9	5172.7	5378.5	5504.9	5616.8	5649.3	5573.5
37.5°	4786.3	4761.0	4789.9	4867.5	4981.3	5096.8	5268.3	5414.6	5474.2	5387.5	5297.2
40°	4605.7	4587.7	4638.2	4678.0	4811.6	4972.3	5169.0	5272.0	5234.0	5134.7	5035.4
42.5°	4445.1	4407.1	4452.3	4528.1	4679.8	4862.1	5021.0	5078.8	4988.5	4842.3	4726.7
45°	4248.3	4203.1	4257.3	4358.4	4520.9	4728.5	4853.1	4833.2	4679.8	4553.4	4394.5
47.5°	4042.4	3988.3	4042.4	4163.4	4345.8	4566.0	4656.3	4566.0	4372.8	4214.0	4085.8
50°	3840.2	3777.0	3829.4	4011.7	4190.5	4360.2	4358.4	4183.3	4067.7	3894.4	3782.5
52.5°	3639.8	3549.5	3601.9	3800.5	3979.2	4172.4	4029.8	3867.3	3728.3	3576.6	3540.5
55°	3392.5	3295.0	3365.4	3654.3	3791.5	3905.2	3677.7	3535.1	3397.9	3322.1	3276.9
57.5°	3157.8	3051.2	3112.6	3453.9	3555.0	3583.8	3374.4	3172.2	3091.0	3065.7	3000.7
60°	2915.8	2794.9	2852.6	3246.2	3316.6	3199.3	2993.5	2836.4	2820.1	2769.6	2719.0
62.5°	2684.7	2551.1	2587.2	2988.0	3020.5	2807.5	2617.9	2576.4	2536.7	2486.1	2459.0
65°	2419.3	2280.3	2330.9	2713.6	2682.9	2408.5	2302.0	2292.9	2240.6	2199.1	2238.8
67.5°	2175.6	2011.3	2081.7	2413.9	2274.9	2051.0	2007.7	1986.0	1944.5	1968.0	1550.9
70°	1908.4	1729.6	1825.3	2090.7	1884.9	1736.9	1720.6	1688.1	1689.9	1343.3	1132.0
72.5°	1610.5	1455.2	1594.2	1736.9	1491.3	1448.0	1424.5	1420.9	1146.5	931.6	879.3
75°	1348.7	1191.6	1341.5	1395.6	1188.0	1159.1	1157.3	956.9	752.9	718.6	702.3
77.5°	1052.6	931.6	1074.3	993.0	911.8	879.3	789.0	592.2	566.9	543.4	204.0
80°	709.5	718.6	801.6	684.3	650.0	554.3	436.9	418.9	361.1	144.4	113.7
82.5°	431.5	541.6	510.9	427.9	418.9	301.5	276.2	140.8	104.7	83.1	72.2
85°	223.9	274.4	263.6	232.9	173.3	155.3	86.7	66.8	54.2	41.5	34.3
87.5°	75.8	101.1	97.5	77.6	59.6	46.9	30.7	25.3	18.1	14.4	12.6
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	6062.8	6062.8	6059.1	6062.8	6064.6	6060.9	6060.9	6064.6	6066.4	6068.2	6077.2
5°	6071.8	6075.4	6080.8	6091.6	6093.4	6115.1	6124.1	6129.6	6135.0	6136.8	6124.1
7.5°	6091.6	6104.3	6115.1	6113.3	6100.7	6066.4	6055.5	6046.5	6062.8	6104.3	6153.0
10°	6109.7	6051.9	5943.6	6091.6	6046.5	6088.0	6210.8	6237.9	6320.9	6438.3	6472.6
12.5°	5985.1	6144.0	6178.3	6012.2	6319.1	6205.4	6340.8	6460.0	6494.3	6613.4	6541.2
15°	6118.7	6196.4	6248.7	6414.8	6396.8	6494.3	6532.2	6508.7	6514.1	6544.8	6626.1
17.5°	6116.9	6272.2	6306.5	6418.4	6494.3	6496.1	6485.2	6474.4	6503.3	6526.8	6478.0
20°	6221.6	6272.2	6339.0	6384.1	6398.6	6416.6	6450.9	6423.8	6369.7	6317.3	6295.7
22.5°	6169.3	6283.0	6340.8	6348.0	6339.0	6283.0	6232.5	6156.6	6131.4	6104.3	6113.3
25°	6180.1	6232.5	6225.2	6196.4	6158.4	6053.7	6028.5	5996.0	5947.2	5829.8	5723.3
27.5°	6102.5	6075.4	6042.9	5972.5	5903.9	5847.9	5784.7	5680.0	5593.3	5467.0	5420.0
30°	5972.5	5864.2	5784.7	5743.2	5676.4	5582.5	5486.8	5358.6	5248.5	5223.2	5199.7
32.5°	5723.3	5616.8	5551.8	5450.7	5337.0	5225.0	5114.9	5064.3	5040.9	5044.5	5022.8
35°	5468.8	5374.9	5277.4	5125.7	5040.9	4928.9	4889.2	4878.4	4856.7	4833.2	4808.0
37.5°	5197.9	5087.8	4941.6	4851.3	4766.4	4721.3	4701.4	4685.2	4647.3	4605.7	4576.9
40°	4936.1	4737.5	4656.3	4567.8	4542.6	4522.7	4493.8	4454.1	4401.7	4394.5	4381.9
42.5°	4585.9	4443.3	4372.8	4354.8	4324.1	4289.8	4264.5	4221.2	4199.5	4214.0	4224.8
45°	4253.7	4181.5	4158.0	4136.3	4078.5	4029.8	4013.6	3999.1	4017.2	4096.6	3907.0
47.5°	3984.7	3955.8	3926.9	3890.8	3836.6	3800.5	3816.8	3831.2	3847.4	3264.3	2979.0
50°	3751.8	3712.0	3666.9	3627.2	3594.7	3591.1	3675.9	3421.4	2865.3	2850.8	2562.0
52.5°	3497.2	3437.6	3410.5	3387.1	3401.5	3455.7	2859.9	2654.0	2545.7	2211.7	2063.6
55°	3222.8	3170.4	3170.4	3192.1	3114.4	2524.0	2493.3	2155.7	1951.7	1893.9	1870.5
57.5°	2948.3	2942.9	2973.6	2719.0	2291.1	2197.3	1847.0	1773.0	1740.5	1733.2	1695.3
60°	2697.4	2747.9	2300.2	2116.0	1839.8	1659.2	1608.7	1599.6	1565.3	1552.7	1518.4
62.5°	2497.0	2070.9	1928.2	1574.4	1482.3	1458.8	1431.7	1419.1	1388.4	1225.9	359.3
65°	1803.7	1704.4	1383.0	1323.4	1316.2	1281.9	1271.0	1142.9	269.0	180.5	153.5
67.5°	1361.3	1207.9	1166.3	1155.5	1121.2	1052.6	312.3	178.7	153.5	133.6	117.4
70°	1045.4	1018.3	987.6	962.3	283.5	176.9	153.5	130.0	111.9	99.3	90.3
72.5°	855.8	837.7	487.5	186.0	151.7	128.2	113.7	99.3	86.7	79.4	72.2
75°	669.8	186.0	153.5	128.2	110.1	93.9	83.1	74.0	66.8	61.4	56.0
77.5°	151.7	122.8	104.7	88.5	79.4	70.4	63.2	54.2	48.7	43.3	36.1
80°	93.9	81.2	68.6	63.2	54.2	45.1	39.7	36.1	28.9	27.1	23.5
82.5°	61.4	48.7	43.3	36.1	28.9	27.1	23.5	18.1	16.2	14.4	12.6
85°	27.1	23.5	19.9	16.2	12.6	10.8	9.0	7.2	7.2	7.2	7.2
87.5°	9.0	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	3.6	3.6
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	6080.8	6113.3	6144.0	6135.0	6102.5	6051.9	6037.5	6017.6	6032.1	6062.8	6075.4
5°	6124.1	6106.1	6171.1	6266.8	6422.0	6436.5	6544.8	6570.1	6656.8	6710.9	6709.1
7.5°	6185.5	6441.9	6548.4	6664.0	6716.3	6703.7	6719.9	6707.3	6687.4	6678.4	6667.6
10°	6497.9	6692.9	6732.6	6732.6	6651.3	6541.2	6494.3	6413.0	6250.5	6254.1	6227.1
12.5°	6680.2	6748.8	6654.9	6575.5	6248.7	6122.3	5985.1	5920.1	5882.2	5824.4	5846.1
15°	6584.5	6487.0	6431.1	6174.7	5974.3	5746.8	5750.4	5710.7	5669.2	5672.8	5645.7
17.5°	6443.7	6366.1	5968.9	5791.9	5694.4	5606.0	5589.7	5537.4	5510.3	5501.3	5499.4
20°	6250.5	5970.7	5674.6	5631.2	5513.9	5412.8	5396.5	5412.8	5495.8	5347.8	4845.9
22.5°	6024.8	5622.2	5535.6	5412.8	5333.3	5293.6	5392.9	4941.6	4259.1	4342.1	4253.7
25°	5642.1	5467.0	5318.9	5225.0	5216.0	4972.3	4143.5	4056.9	3618.2	3383.4	3119.8
27.5°	5362.2	5286.4	5131.1	5114.9	4997.5	4065.9	3634.4	3157.8	2982.6	2955.5	2897.8
30°	5192.5	5084.2	4990.3	4580.5	3988.3	3273.3	2915.8	2849.0	2818.3	2785.8	2735.3
32.5°	4988.5	4885.6	4930.7	3851.1	3179.4	2818.3	2746.1	2697.4	2641.4	2619.7	2437.4
35°	4780.9	4733.9	3852.9	3237.2	2733.5	2646.8	2592.6	2542.1	2022.1	489.3	166.1
37.5°	4558.8	4548.0	3462.9	2686.5	2560.2	2478.9	2325.4	480.3	113.7	77.6	57.8
40°	4385.5	3464.7	2737.1	2518.6	2415.7	2287.5	321.4	79.4	50.6	30.7	19.9
42.5°	4269.9	3116.2	2450.0	2363.4	2139.5	236.5	81.2	34.3	19.9	16.2	12.6
45°	3291.4	2460.9	2289.3	2199.1	270.8	81.2	46.9	16.2	12.6	10.8	7.2
47.5°	3036.8	2235.2	2134.1	480.3	90.3	43.3	32.5	10.8	7.2	7.2	7.2
50°	2300.2	2065.5	1698.9	117.4	57.8	30.7	23.5	7.2	7.2	7.2	5.4
52.5°	2016.7	1906.6	182.4	77.6	45.1	23.5	14.4	5.4	5.4	5.4	5.4
55°	1843.4	1209.7	108.3	59.6	37.9	21.7	9.0	5.4	5.4	5.4	3.6
57.5°	1686.3	162.5	79.4	50.6	34.3	19.9	5.4	5.4	5.4	5.4	3.6
60°	1429.9	117.4	65.0	45.1	32.5	18.1	5.4	5.4	5.4	5.4	5.4
62.5°	186.0	92.1	56.0	39.7	23.5	14.4	3.6	5.4	5.4	5.4	5.4
65°	135.4	72.2	50.6	27.1	14.4	5.4	3.6	5.4	5.4	5.4	5.4
67.5°	104.7	59.6	37.9	23.5	12.6	3.6	3.6	5.4	5.4	5.4	5.4
70°	83.1	50.6	30.7	19.9	10.8	3.6	3.6	5.4	5.4	5.4	5.4
72.5°	65.0	36.1	21.7	10.8	7.2	3.6	3.6	5.4	5.4	5.4	5.4
75°	48.7	28.9	16.2	9.0	3.6	3.6	3.6	5.4	5.4	5.4	5.4
77.5°	32.5	18.1	12.6	7.2	7.2	7.2	9.0	9.0	5.4	5.4	5.4
80°	21.7	12.6	9.0	9.0	9.0	7.2	9.0	9.0	5.4	9.0	5.4
82.5°	10.8	9.0	9.0	7.2	7.2	5.4	7.2	7.2	7.2	7.2	5.4
85°	7.2	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2	5.4
87.5°	3.6	3.6	3.6	3.6	5.4	5.4	5.4	5.4	7.2	7.2	5.4
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-LD5-95SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	6059.1	6064.6	6050.1	6127.8	6088.0	6091.6	6107.9	6066.4	6075.4	6046.5	6026.6
5°	6716.3	6727.2	6738.0	6741.6	6748.8	6757.9	6747.0	6741.6	6730.8	6694.7	6656.8
7.5°	6613.4	6600.8	6595.4	6602.6	6615.2	6620.6	6611.6	6624.3	6671.2	6691.1	6703.7
10°	6071.8	6014.0	6053.7	6048.3	6003.2	6154.8	6113.3	6136.8	6153.0	6319.1	6420.2
12.5°	5813.6	5849.7	5781.1	5746.8	5791.9	5822.6	5853.3	5788.3	5878.6	5837.1	5970.7
15°	5596.9	5575.3	5568.1	5569.9	5560.8	5604.2	5615.0	5629.4	5642.1	5698.1	5719.7
17.5°	5499.4	5535.6	5550.0	5560.8	5542.8	5522.9	5503.1	5474.2	5483.2	5468.8	5510.3
20°	4508.2	4387.3	4380.1	4450.5	4372.8	4416.2	4520.9	5221.4	5197.9	5470.6	5378.5
22.5°	3762.6	3648.8	3551.4	3466.5	3587.5	3638.0	3833.0	4053.3	4410.8	4354.8	4743.0
25°	3072.9	3031.4	3006.1	2993.5	3002.5	2998.9	3042.2	3145.1	3307.6	3690.4	4185.1
27.5°	2874.3	2854.4	2845.4	2816.5	2838.2	2831.0	2865.3	2886.9	2935.7	2973.6	3134.3
30°	2717.2	2693.8	2677.5	2646.8	2668.5	2670.3	2681.1	2737.1	2756.9	2789.4	2840.0
32.5°	993.0	585.0	548.9	521.8	570.5	743.9	1305.4	2282.1	2603.5	2628.8	2686.5
35°	97.5	81.2	72.2	72.2	74.0	81.2	108.3	285.3	521.8	2016.7	2524.0
37.5°	37.9	32.5	27.1	25.3	27.1	30.7	41.5	54.2	74.0	153.5	684.3
40°	16.2	14.4	12.6	12.6	12.6	12.6	14.4	18.1	27.1	50.6	79.4
42.5°	10.8	9.0	9.0	9.0	9.0	9.0	9.0	9.0	12.6	16.2	32.5
45°	7.2	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2	9.0	14.4
47.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2
50°	5.4	5.4	5.4	5.4	3.6	5.4	3.6	5.4	5.4	5.4	5.4
52.5°	5.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4
55°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4
57.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4	3.6
65°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.4	3.6
67.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
70°	5.4	5.4	3.6	5.4	3.6	3.6	5.4	5.4	5.4	3.6	3.6
72.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	10.8	10.8	7.2
75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	9.0	10.8	9.0
77.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	9.0	9.0	9.0
80°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2	7.2
82.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2	7.2
85°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
87.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
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-LD5-95SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	5992.3	5990.5	6028.5	6057.3	6046.5	6057.3	6070.0	6071.8	6075.4	6060.9	6055.5
5°	6584.5	6528.6	6420.2	6342.6	6252.3	6088.0	6006.8	6015.8	6017.6	6012.2	6019.4
7.5°	6698.3	6692.9	6654.9	6638.7	6577.3	6460.0	6272.2	6239.7	6160.2	6109.7	6068.2
10°	6413.0	6543.0	6577.3	6635.1	6671.2	6649.5	6490.7	6467.2	6416.6	6358.9	6371.5
12.5°	6104.3	6210.8	6216.2	6530.4	6600.8	6608.0	6546.6	6579.1	6586.3	6456.3	6380.5
15°	5725.1	5775.7	5882.2	6174.7	6387.7	6521.3	6561.1	6579.1	6490.7	6485.2	6454.5
17.5°	5559.0	5591.5	5640.3	5804.6	6127.8	6324.5	6492.5	6479.8	6514.1	6488.8	6411.2
20°	5349.6	5376.7	5463.3	5546.4	5705.3	5967.1	6281.2	6304.7	6349.8	6344.4	6366.1
22.5°	5346.0	5250.3	5264.7	5329.7	5495.8	5730.5	6064.6	6142.2	6171.1	6190.9	6214.4
25°	4241.0	5001.1	5140.2	5181.7	5290.0	5427.2	5820.8	5849.7	5903.9	5992.3	6057.3
27.5°	3674.1	4190.5	4746.6	5035.4	5104.1	5217.8	5452.5	5495.8	5680.0	5701.7	5802.8
30°	2899.6	3298.6	4129.1	4824.2	4937.9	5017.4	5183.5	5270.2	5349.6	5436.3	5542.8
32.5°	2728.1	2791.3	3251.6	3991.9	4876.6	4817.0	4939.8	4992.1	5078.8	5154.6	5232.2
35°	2571.0	2614.3	2711.8	3269.7	3972.0	4652.7	4735.7	4770.0	4818.8	4876.6	4932.5
37.5°	2406.7	2471.7	2538.5	2688.3	3674.1	4522.7	4520.9	4560.6	4589.5	4638.2	4685.2
40°	436.9	2269.5	2377.8	2475.3	2849.0	3607.3	4318.7	4336.7	4356.6	4387.3	4436.0
42.5°	70.4	379.1	2227.9	2321.8	2428.4	3230.0	4226.6	4152.6	4139.9	4161.6	4204.9
45°	36.1	92.1	447.8	2168.4	2264.1	2576.4	3455.7	4024.4	4011.7	3970.2	3979.2
47.5°	27.1	57.8	110.1	749.3	2119.6	2211.7	3188.5	3154.1	3394.3	3854.7	3784.3
50°	23.5	39.7	65.0	153.5	1872.3	2036.6	2455.4	2868.9	2995.3	3011.5	3564.0
52.5°	21.7	27.1	46.9	99.3	393.6	1883.1	1996.8	2141.3	2354.3	2811.1	2800.3
55°	19.9	25.3	39.7	66.8	137.2	1697.1	1814.5	1841.6	1886.7	2105.2	2394.0
57.5°	10.8	23.5	37.9	57.8	102.9	310.5	1646.6	1668.3	1704.4	1713.4	1816.3
60°	5.4	21.7	34.3	50.6	75.8	144.4	1480.5	1505.8	1527.4	1531.0	1563.5
62.5°	3.6	19.9	28.9	46.9	63.2	102.9	350.3	715.0	1359.5	1359.5	1397.4
65°	3.6	14.4	18.1	30.7	57.8	84.9	148.0	171.5	334.0	821.5	1225.9
67.5°	3.6	5.4	16.2	25.3	43.3	65.0	108.3	126.4	151.7	173.3	321.4
70°	3.6	3.6	14.4	16.2	27.1	48.7	77.6	88.5	102.9	117.4	135.4
72.5°	3.6	3.6	12.6	12.6	18.1	32.5	59.6	65.0	74.0	83.1	95.7
75°	9.0	7.2	10.8	10.8	12.6	25.3	45.1	50.6	54.2	61.4	70.4
77.5°	9.0	9.0	9.0	9.0	9.0	16.2	28.9	32.5	37.9	41.5	48.7
80°	7.2	7.2	7.2	9.0	9.0	10.8	18.1	19.9	21.7	27.1	28.9
82.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	10.8	12.6	16.2
85°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	7.2	7.2	7.2	7.2
87.5°	5.4	5.4	5.4	3.6	3.6	5.4	5.4	5.4	5.4	5.4	5.4
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-LD5-95SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	6053.7	6042.9	6033.9	6039.3	6023.0	6015.8	6021.2	6023.0	6026.6	6035.7	6037.5
5°	6037.5	6033.9	6050.1	6059.1	6055.5	6059.1	6059.1	6051.9	6041.1	6048.3	6032.1
7.5°	6026.6	6003.2	5985.1	5988.7	5970.7	5992.3	6012.2	6041.1	6050.1	6050.1	6032.1
10°	6212.6	6187.3	6086.2	6017.6	5972.5	5932.8	6026.6	5931.0	5976.1	5804.6	6001.4
12.5°	6366.1	6400.4	6355.2	6167.5	6135.0	6015.8	6084.4	5967.1	5932.8	5736.0	5799.2
15°	6427.5	6362.5	6348.0	6295.7	6225.2	6190.9	6006.8	5986.9	5931.0	5952.6	5869.6
17.5°	6373.3	6405.8	6362.5	6328.2	6255.9	6174.7	6064.6	5967.1	5889.4	5716.1	5862.3
20°	6320.9	6364.3	6234.3	6255.9	6263.2	6169.3	6111.5	6030.3	5932.8	5770.3	5643.9
22.5°	6234.3	6203.6	6214.4	6181.9	6154.8	6167.5	6088.0	6032.1	5867.8	5793.7	5622.2
25°	6093.4	6082.6	6111.5	6107.9	6042.9	6021.2	5981.5	5921.9	5856.9	5737.8	5596.9
27.5°	5864.2	5920.1	5970.7	5994.1	5959.8	5902.1	5880.4	5846.1	5801.0	5680.0	5575.3
30°	5622.2	5685.4	5743.2	5793.7	5824.4	5799.2	5779.3	5759.4	5690.8	5611.4	5494.0
32.5°	5346.0	5429.0	5508.5	5569.9	5636.7	5656.5	5642.1	5625.8	5568.1	5495.8	5402.0
35°	5026.4	5140.2	5255.7	5365.8	5394.7	5441.7	5488.6	5461.5	5430.8	5358.6	5272.0
37.5°	4755.6	4836.8	4919.9	5058.9	5160.0	5219.6	5302.7	5313.5	5261.1	5226.8	5113.1
40°	4475.8	4549.8	4670.7	4752.0	4891.0	4959.6	5048.1	5087.8	5075.2	5055.3	4956.0
42.5°	4255.5	4291.6	4371.0	4443.3	4580.5	4721.3	4798.9	4842.3	4887.4	4871.1	4820.6
45°	4020.8	4053.3	4080.4	4143.5	4277.1	4401.7	4497.4	4562.4	4643.7	4681.6	4620.2
47.5°	3787.9	3796.9	3829.4	3881.8	3961.2	4056.9	4217.6	4315.1	4390.9	4464.9	4425.2
50°	3609.1	3576.6	3582.0	3614.5	3679.5	3773.4	3889.0	4026.2	4112.9	4203.1	4212.2
52.5°	3154.1	3417.7	3354.6	3372.6	3406.9	3452.1	3573.0	3708.4	3814.9	3892.6	3970.2
55°	2646.8	2699.2	3206.5	3134.3	3156.0	3195.7	3251.6	3387.1	3490.0	3598.3	3706.6
57.5°	2052.8	2442.8	2462.7	2932.1	2921.2	2924.9	2971.8	3049.4	3152.3	3287.8	3379.8
60°	1596.0	1760.3	2079.9	2242.4	2654.0	2668.5	2695.6	2740.7	2829.2	2957.4	3103.6
62.5°	1408.3	1429.9	1543.7	1787.4	2054.6	2377.8	2435.6	2442.8	2482.5	2610.7	2780.4
65°	1236.7	1251.2	1285.5	1310.8	1534.6	1847.0	2125.0	2170.2	2195.4	2271.3	2415.7
67.5°	852.2	1077.9	1108.6	1126.6	1148.3	1292.7	1637.6	1866.9	1895.7	1962.5	2088.9
70°	164.3	341.2	933.4	953.3	964.1	996.6	1052.6	1417.3	1608.7	1671.9	1729.6
72.5°	111.9	131.8	158.9	375.5	794.4	812.5	825.1	872.0	1195.2	1379.4	1410.1
75°	81.2	90.3	106.5	131.8	162.5	529.0	655.4	678.9	702.3	969.5	1124.8
77.5°	57.8	65.0	72.2	84.9	99.3	128.2	184.2	507.3	530.8	543.4	767.3
80°	32.5	39.7	48.7	56.0	63.2	72.2	93.9	117.4	261.8	382.8	402.6
82.5°	18.1	21.7	25.3	30.7	34.3	43.3	52.4	63.2	83.1	122.8	260.0
85°	9.0	9.0	9.0	12.6	14.4	19.9	23.5	27.1	37.9	52.4	72.2
87.5°	5.4	5.4	7.2	7.2	7.2	9.0	9.0	9.0	10.8	16.2	23.5
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	6015.8	6015.8	6015.8	6015.8	6015.8
2.5°	6039.3	6033.9	6033.9	6055.5	6050.1
5°	6028.5	6023.0	6021.2	6044.7	6033.9
7.5°	6019.4	5999.6	5994.1	6015.8	6006.8
10°	5983.3	5968.9	5977.9	5970.7	5967.1
12.5°	5921.9	5912.9	5875.0	5878.6	5909.3
15°	5811.8	5847.9	5782.9	5840.7	5853.3
17.5°	5609.6	5690.8	5754.0	5788.3	5793.7
20°	5699.9	5726.9	5694.4	5696.2	5717.9
22.5°	5582.5	5595.1	5604.2	5593.3	5640.3
25°	5394.7	5346.0	5450.7	5472.4	5548.2
27.5°	5337.0	5297.2	5346.0	5342.4	5405.6
30°	5290.0	5161.8	5183.5	5217.8	5295.4
32.5°	5223.2	5021.0	4999.3	5075.2	5161.8
35°	5105.9	4914.5	4863.9	4912.7	5042.7
37.5°	5006.6	4766.4	4665.3	4730.3	4900.0
40°	4858.5	4650.9	4493.8	4551.6	4752.0
42.5°	4681.6	4551.6	4309.6	4349.4	4578.7
45°	4502.8	4387.3	4130.9	4150.8	4423.4
47.5°	4320.5	4214.0	3944.9	3948.6	4224.8
50°	4141.7	4000.9	3778.8	3715.6	4013.6
52.5°	3908.8	3778.8	3610.9	3508.0	3813.1
55°	3688.6	3542.3	3419.6	3260.7	3585.7
57.5°	3473.7	3311.2	3228.2	3024.2	3327.5
60°	3179.4	3101.8	2979.0	2784.0	3094.6
62.5°	2877.9	2852.6	2728.1	2525.8	2807.5
65°	2525.8	2585.4	2457.2	2283.9	2509.6
67.5°	2193.6	2300.2	2159.3	2052.8	2222.5
70°	1839.8	1962.5	1883.1	1845.2	1917.4
72.5°	1491.3	1610.5	1617.7	1590.6	1614.1
75°	1151.9	1283.7	1355.9	1314.4	1319.8
77.5°	873.8	937.0	1016.5	1049.0	1041.8
80°	539.8	650.0	715.0	781.8	758.3
82.5°	272.6	364.7	444.1	516.4	482.1
85°	113.7	146.2	204.0	269.0	258.2
87.5°	34.3	57.8	61.4	86.7	81.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)