

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-85SL-RM-UNV-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-LD5-85SL-RM-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

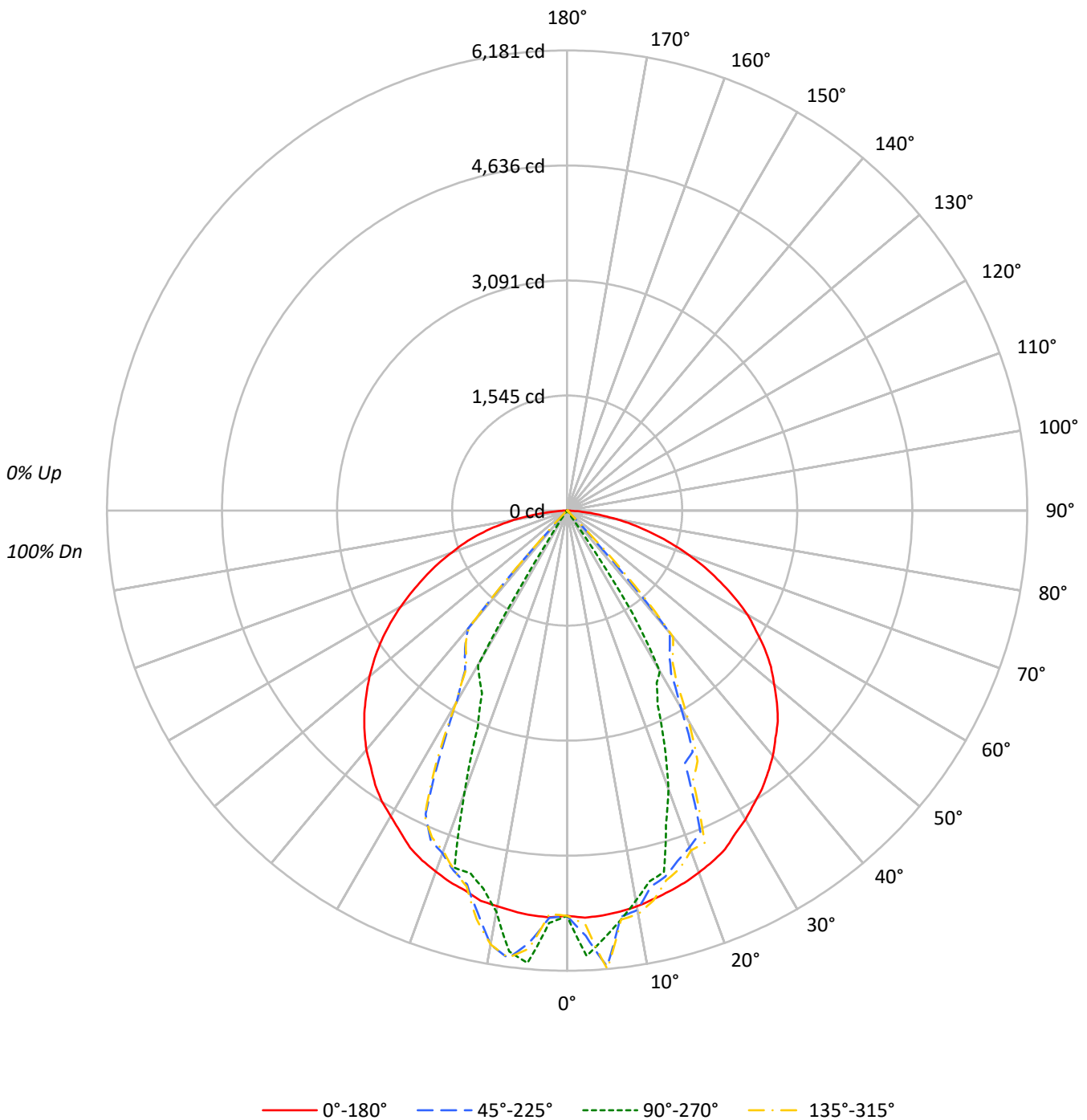
Lumens per Lamp: N/A
Luminaire Lumens: 7739.0 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L950-CD1-U

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°	21991	21991	21991	21991
5°	22111	22617	22104	23952
10°	22088	20466	22075	21057
15°	22059	19103	22005	19153
20°	22118	15046	22055	15232
25°	22217	10889	22108	10276
30°	22152	9552	21919	9182
35°	22260	211	21933	255
40°	22383	46	21847	46
45°	22516	27	21671	20
50°	22408	21	21379	21
55°	22353	15	20980	15
60°	22028	16	20306	16
65°	21004	26	19508	17
70°	19650	28	18706	28
75°	17613	32	17903	32
80°	14663	36	15503	36
85°	9189	43	9381	43



TEST NUMBER: P#

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.0	7.1
10°-20°	1489.4	19.2
20°-30°	1895.3	24.5
30°-40°	1601.0	20.7
40°-50°	1046.7	13.5
50°-60°	659.5	8.5
60°-70°	351.1	4.5
70°-80°	128.0	1.7
80°-90°	22.0	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3930.7	50.8
0°-40°	5531.7	71.5
0°-60°	7237.9	93.5
0°-90°	7739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7739.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5443	5443	5443	5443	5443	
5°	5459	5760	5457	6099	5459	519
15°	5296	5026	5283	5039	5296	1497
25°	5020	2870	4995	2708	5020	2308
35°	4562	54	4495	65	4562	2854
45°	4002	6	3852	5	4002	3078
55°	3244	3	3045	3	3244	2890
65°	2270	5	2109	3	2270	2249
75°	1194	5	1214	5	1194	1267
85°	234	5	238	5	234	295
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5473.7	5476.9	5478.6	5481.8	5486.7	5488.4	5491.6	5488.4	5488.4	5488.4	5488.4
5°	5459.0	5465.5	5470.4	5476.9	5488.4	5490.0	5503.1	5504.7	5511.2	5524.3	5534.1
7.5°	5434.5	5441.0	5450.8	5467.1	5483.5	5501.4	5524.3	5548.8	5583.1	5615.8	5656.6
10°	5398.5	5406.7	5418.1	5432.8	5512.9	5524.3	5575.0	5645.2	5664.8	5767.7	5844.5
12.5°	5346.3	5374.0	5403.4	5416.5	5493.3	5614.2	5784.0	5749.7	5712.2	6048.7	6043.8
15°	5295.6	5333.2	5318.5	5424.7	5494.9	5705.6	5633.8	5787.3	6068.3	5999.6	6002.9
17.5°	5241.7	5249.9	5331.6	5419.8	5545.6	5653.4	5741.6	5952.3	6007.8	6012.7	5952.3
20°	5173.1	5212.3	5331.6	5411.6	5624.0	5674.6	5865.7	5973.5	5950.6	5895.1	5792.2
22.5°	5102.9	5222.1	5343.0	5455.7	5604.4	5739.9	5834.7	5885.3	5766.1	5547.2	5429.6
25°	5019.6	5089.8	5248.3	5413.2	5599.5	5677.9	5733.4	5651.7	5496.5	5300.5	5102.9
27.5°	4890.5	5003.2	5205.8	5392.0	5560.3	5655.0	5565.2	5369.1	5119.2	4990.2	4900.3
30°	4790.9	4937.9	5104.5	5284.2	5459.0	5514.5	5285.8	5062.1	4890.5	4761.5	4741.9
32.5°	4670.0	4879.1	5037.5	5209.1	5356.1	5282.6	5060.4	4771.3	4629.2	4580.2	4599.8
35°	4562.2	4720.7	4928.1	5096.4	5202.5	5037.5	4686.4	4506.7	4438.1	4465.8	4429.9
37.5°	4433.2	4642.3	4833.4	4978.7	4942.8	4694.5	4397.2	4282.9	4291.1	4268.2	4199.6
40°	4299.2	4498.5	4697.8	4835.0	4709.2	4330.3	4132.6	4108.1	4113.0	4039.5	3941.5
42.5°	4142.4	4323.7	4523.0	4647.2	4376.0	4080.3	3946.4	3949.7	3907.2	3804.3	3752.0
45°	4001.9	4168.6	4376.0	4387.4	4054.2	3807.6	3768.4	3725.9	3631.2	3596.8	3557.6
47.5°	3822.3	4006.8	4178.4	4116.3	3739.0	3585.4	3556.0	3462.9	3415.5	3389.4	3356.7
50°	3631.2	3817.4	3974.2	3797.8	3441.7	3405.7	3309.4	3235.9	3203.2	3175.4	3146.0
52.5°	3449.8	3603.4	3763.5	3459.6	3213.0	3178.7	3069.2	3026.8	2994.1	2963.1	2956.5
55°	3244.0	3379.6	3489.0	3137.9	2994.1	2914.1	2835.7	2806.3	2775.2	2760.5	2785.0
57.5°	3010.4	3164.0	3147.7	2821.0	2757.3	2641.3	2611.9	2592.3	2569.4	2579.2	2375.0
60°	2799.7	2917.3	2837.3	2589.0	2481.2	2402.8	2376.7	2363.6	2376.7	2177.4	1914.4
62.5°	2540.0	2672.3	2510.6	2317.9	2203.5	2166.0	2143.1	2161.0	1969.9	1751.1	1687.4
65°	2270.5	2414.2	2175.8	2027.1	1955.2	1922.6	1920.9	1769.0	1581.2	1496.2	1496.2
67.5°	2010.8	2159.4	1852.3	1728.2	1700.4	1703.7	1608.9	1378.6	1326.4	1269.2	1104.2
70°	1734.7	1865.4	1530.5	1455.4	1439.1	1427.6	1197.3	1135.2	1073.2	921.3	908.2
72.5°	1460.3	1524.0	1230.0	1212.0	1208.8	1004.6	958.8	852.7	780.8	762.8	754.7
75°	1194.0	1174.4	971.9	988.2	833.1	761.2	687.7	625.6	615.8	609.3	151.9
77.5°	942.5	844.5	766.1	666.4	596.2	506.4	491.7	481.9	316.9	114.3	93.1
80°	686.0	547.2	509.6	432.9	369.2	354.5	362.6	111.1	88.2	73.5	63.7
82.5°	436.1	349.6	285.9	249.9	243.4	106.2	78.4	63.7	55.5	47.4	39.2
85°	233.6	155.2	143.7	120.9	71.9	49.0	40.8	31.0	26.1	21.2	19.6
87.5°	73.5	62.1	50.6	40.8	24.5	16.3	13.1	11.4	9.8	8.2	8.2
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°	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5485.1	5488.4	5486.7	5491.6	5491.6	5498.2	5503.1	5508.0	5517.8	5522.7	5560.3
5°	5555.4	5563.5	5588.0	5610.9	5638.7	5646.8	5694.2	5705.6	5761.2	5767.7	5950.6
7.5°	5712.2	5743.2	5802.0	5860.8	5919.6	5957.2	6022.5	6063.4	6107.5	6146.7	6292.0
10°	5901.6	5953.9	6011.1	6069.9	6104.2	6176.1	6215.3	6221.8	6210.4	6146.7	5911.4
12.5°	6087.9	6140.1	6115.6	6127.1	6167.9	6040.5	6058.5	5967.0	6030.7	5715.4	5481.8
15°	6061.7	6058.5	5998.0	5802.0	5834.7	5591.3	5493.3	5418.1	5478.6	5445.9	5410.0
17.5°	5983.3	5834.7	5730.1	5494.9	5395.3	5326.7	5328.3	5329.9	5300.5	5331.6	5240.1
20°	5651.7	5485.1	5329.9	5246.6	5217.2	5168.2	5192.7	5168.2	5169.9	5179.7	5039.2
22.5°	5210.7	5160.1	5070.2	5096.4	5086.6	5130.7	5098.0	5047.3	5063.7	4990.2	4884.0
25°	5032.6	4973.8	4970.6	4980.4	4965.7	4946.1	4916.7	4839.9	4835.0	4812.1	4763.1
27.5°	4853.0	4856.2	4866.0	4836.6	4784.4	4745.2	4701.1	4663.5	4678.2	4652.1	4585.1
30°	4728.8	4727.2	4668.4	4642.3	4545.9	4547.5	4536.1	4513.2	4498.5	4500.1	4457.7
32.5°	4552.4	4501.8	4434.8	4402.1	4394.0	4364.6	4341.7	4346.6	4358.0	4317.2	4361.3
35°	4371.1	4266.6	4256.8	4229.0	4202.9	4183.3	4191.4	4158.8	4157.1	4152.2	3792.9
37.5°	4127.7	4077.1	4072.2	4042.8	4024.8	4019.9	3988.9	3993.8	4008.5	4034.6	3234.2
40°	3926.8	3881.1	3869.6	3868.0	3828.8	3825.5	3833.7	3864.7	3886.0	3722.6	3082.3
42.5°	3711.2	3714.5	3678.5	3655.7	3660.6	3675.3	3714.5	3606.6	3124.8	2977.8	2817.7
45°	3526.6	3510.3	3490.7	3484.1	3526.6	3497.2	3066.0	2829.1	2772.0	2765.4	2316.2
47.5°	3333.9	3329.0	3320.8	3325.7	3083.9	2749.1	2651.1	2620.0	2629.8	2623.3	1989.5
50°	3139.5	3146.0	3146.0	2747.5	2522.0	2466.5	2474.7	2502.4	2329.3	2174.1	1854.0
52.5°	2971.2	2920.6	2502.4	2358.7	2308.1	2332.6	2273.8	2056.5	1899.7	1808.2	1715.1
55°	2659.3	2286.8	2193.7	2170.9	2188.8	1971.6	1837.6	1697.2	1656.3	1646.5	1592.6
57.5°	2092.4	2017.3	2025.5	1934.0	1726.6	1604.0	1550.1	1530.5	1512.6	1499.5	130.7
60°	1850.7	1871.9	1713.5	1517.5	1434.2	1417.8	1404.8	1386.8	1383.5	1360.7	83.3
62.5°	1693.9	1489.7	1352.5	1303.5	1283.9	1279.0	1254.5	1246.3	1058.5	145.4	62.1
65°	1277.4	1194.0	1167.9	1156.5	1135.2	1135.2	942.5	148.6	120.9	104.5	55.5
67.5°	1042.1	1035.6	1022.5	1007.8	686.0	143.7	125.8	109.4	94.7	83.3	49.0
70°	882.1	878.8	800.4	147.0	122.5	107.8	94.7	84.9	78.4	70.2	44.1
72.5°	723.6	147.0	124.1	107.8	93.1	84.9	76.8	68.6	62.1	57.2	35.9
75°	112.7	99.6	88.2	80.0	73.5	65.3	58.8	53.9	52.3	45.7	24.5
77.5°	81.7	70.2	63.7	57.2	50.6	45.7	39.2	34.3	31.0	26.1	18.0
80°	57.2	50.6	45.7	37.6	32.7	27.8	24.5	21.2	19.6	16.3	8.2
82.5°	32.7	27.8	24.5	19.6	18.0	14.7	13.1	11.4	11.4	8.2	8.2
85°	14.7	14.7	11.4	9.8	8.2	8.2	8.2	6.5	6.5	4.9	4.9
87.5°	6.5	6.5	6.5	6.5	6.5	4.9	4.9	4.9	4.9	4.9	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°	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5612.5	5633.8	5674.6	5717.1	5669.7	5839.6	5826.5	5883.7	5914.7	5929.4	5963.7
5°	6112.4	6207.1	6238.1	6145.0	6091.1	6035.6	5909.8	5815.1	5826.5	5795.5	5682.8
7.5°	6102.6	5900.0	5627.2	5503.1	5493.3	5478.6	5517.8	5540.7	5543.9	5542.3	5539.0
10°	5586.4	5481.8	5463.9	5447.5	5454.1	5393.6	5365.9	5287.5	5329.9	5307.1	5315.2
12.5°	5429.6	5405.1	5308.7	5174.8	5254.8	5194.4	5160.1	5182.9	5156.8	5132.3	5124.1
15°	5336.5	5178.0	5124.1	5091.5	5068.6	5055.5	5067.0	5040.8	5032.6	5027.7	5039.2
17.5°	5143.7	5080.0	5021.2	4934.6	4936.3	4931.4	4964.0	5013.0	5016.3	4764.8	4537.7
20°	4991.8	4939.5	4864.4	4810.5	4884.0	4753.3	4248.6	4008.5	3970.9	3970.9	3977.4
22.5°	4870.9	4755.0	4759.9	4674.9	3987.2	3846.8	3850.0	3864.7	3797.8	3569.1	3544.6
25°	4706.0	4688.0	4330.3	3742.2	3747.1	3637.7	3469.4	3232.6	2976.1	2976.1	2933.7
27.5°	4581.8	4201.2	3678.5	3654.0	3286.5	3054.5	2910.8	2693.6	2664.2	2636.4	2639.6
30°	4475.6	3554.4	3567.4	3054.5	2783.4	2590.6	2579.2	2543.3	2525.3	2520.4	2502.4
32.5°	3538.0	3461.3	2985.9	2600.4	2494.3	2463.2	2448.5	2407.7	2406.1	2375.0	2159.4
35°	3317.5	3038.2	2499.2	2394.6	2363.6	2334.2	2309.7	1550.1	182.9	73.5	63.7
37.5°	3066.0	2538.4	2311.3	2264.0	2234.6	1651.4	165.0	57.2	40.8	29.4	26.1
40°	2598.8	2267.2	2195.4	2143.1	883.7	57.2	35.9	27.8	16.3	14.7	13.1
42.5°	2192.1	2136.5	2059.8	627.2	65.3	27.8	18.0	13.1	11.4	11.4	9.8
45°	2051.6	2002.6	829.8	62.1	40.8	13.1	11.4	11.4	9.8	6.5	6.5
47.5°	1920.9	1690.6	75.1	39.2	26.1	11.4	9.8	6.5	6.5	6.5	4.9
50°	1782.1	93.1	52.3	29.4	16.3	6.5	6.5	6.5	6.5	4.9	4.9
52.5°	333.2	65.3	42.5	26.1	8.2	6.5	6.5	6.5	4.9	4.9	4.9
55°	78.4	52.3	39.2	22.9	6.5	6.5	6.5	4.9	4.9	4.9	3.3
57.5°	58.8	39.2	31.0	21.2	6.5	4.9	4.9	4.9	4.9	4.9	3.3
60°	49.0	27.8	24.5	19.6	4.9	4.9	4.9	4.9	4.9	4.9	3.3
62.5°	34.3	22.9	18.0	14.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9
65°	27.8	18.0	14.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
67.5°	24.5	14.7	9.8	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9
70°	19.6	4.9	4.9	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9
72.5°	16.3	4.9	3.3	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9
75°	16.3	8.2	3.3	3.3	4.9	4.9	6.5	6.5	4.9	4.9	4.9
77.5°	11.4	8.2	3.3	3.3	4.9	4.9	6.5	6.5	4.9	4.9	4.9
80°	6.5	8.2	3.3	4.9	4.9	9.8	11.4	6.5	4.9	4.9	4.9
82.5°	6.5	8.2	9.8	9.8	4.9	8.2	9.8	8.2	6.5	4.9	4.9
85°	6.5	4.9	6.5	8.2	4.9	8.2	8.2	6.5	6.5	4.9	4.9
87.5°	3.3	4.9	4.9	6.5	6.5	6.5	8.2	6.5	6.5	6.5	4.9
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-LD5-85SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5980.0	5986.6	5883.7	5847.7	5878.8	5872.2	5844.5	5741.6	5730.1	5661.5	5561.9
5°	5715.4	5759.5	5705.6	5798.7	5754.6	5798.7	5932.7	5994.7	6096.0	6158.1	6181.0
7.5°	5530.8	5540.7	5540.7	5548.8	5557.0	5558.6	5548.8	5542.3	5514.5	5480.2	5542.3
10°	5307.1	5318.5	5338.1	5334.8	5333.2	5367.5	5375.7	5445.9	5442.6	5455.7	5503.1
12.5°	5191.1	5102.9	5182.9	5161.7	5191.1	5145.4	5230.3	5215.6	5220.5	5259.7	5361.0
15°	4998.3	5026.1	5045.7	5045.7	5057.2	5047.3	5037.5	5104.5	5145.4	5147.0	5140.5
17.5°	4627.6	4416.8	4632.5	4576.9	5019.6	5031.0	4993.4	4962.4	4962.4	4986.9	5039.2
20°	3972.5	3977.4	3979.1	4000.3	4026.4	4024.8	4026.4	4670.0	4975.5	4905.2	4857.9
22.5°	3482.5	3422.1	3534.8	3526.6	3667.1	3822.3	3970.9	3956.2	3966.0	4420.1	4828.5
25°	2791.6	2870.0	2806.3	2834.0	2992.5	3177.1	3291.4	3590.3	3915.4	3892.5	3998.7
27.5°	2628.2	2607.0	2636.4	2636.4	2657.6	2682.1	2745.8	2914.1	3203.2	3507.0	3794.5
30°	2473.0	2491.0	2494.3	2523.7	2540.0	2556.3	2566.1	2629.8	2695.2	2905.9	3260.4
32.5°	1857.2	1628.5	2143.1	2281.9	2399.5	2427.3	2446.9	2473.0	2520.4	2551.4	2729.5
35°	53.9	53.9	57.2	65.3	83.3	561.9	2139.8	2358.7	2389.7	2428.9	2461.6
37.5°	26.1	19.6	22.9	24.5	29.4	40.8	58.8	182.9	2036.9	2303.2	2339.1
40°	11.4	11.4	11.4	11.4	13.1	16.3	24.5	40.8	62.1	1638.3	2210.1
42.5°	9.8	9.8	9.8	9.8	9.8	9.8	11.4	14.7	29.4	70.2	1159.7
45°	6.5	6.5	4.9	6.5	6.5	8.2	9.8	9.8	13.1	44.1	80.0
47.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	8.2	9.8	29.4	42.5
50°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	22.9	29.4
52.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	9.8	26.1
55°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	6.5	22.9
57.5°	3.3	3.3	3.3	3.3	3.3	4.9	3.3	3.3	4.9	4.9	21.2
60°	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9	4.9	4.9	19.6
62.5°	4.9	4.9	3.3	4.9	3.3	3.3	4.9	4.9	4.9	4.9	13.1
65°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.3	4.9
67.5°	4.9	4.9	4.9	4.9	3.3	4.9	3.3	4.9	4.9	3.3	3.3
70°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3
72.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3
75°	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	3.3	3.3	3.3
77.5°	4.9	4.9	4.9	4.9	4.9	4.9	8.2	9.8	8.2	8.2	3.3
80°	4.9	4.9	4.9	4.9	4.9	4.9	8.2	8.2	8.2	8.2	11.4
82.5°	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5	6.5	8.2
85°	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5	4.9	6.5
87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	4.9	4.9	4.9
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-LD5-85SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5570.1	5514.5	5496.5	5459.0	5455.7	5459.0	5450.8	5439.4	5445.9	5434.5	5424.7
5°	6194.0	6045.4	5949.0	5820.0	5641.9	5602.7	5592.9	5537.4	5517.8	5511.2	5485.1
7.5°	5689.3	5960.4	6123.8	6179.3	5970.2	5921.2	5864.1	5818.3	5774.2	5690.9	5640.3
10°	5465.5	5478.6	5635.4	5818.3	6115.6	6156.5	6187.5	6087.9	6060.1	5847.7	5802.0
12.5°	5413.2	5414.9	5432.8	5543.9	5777.5	5803.6	5913.1	5971.9	6043.8	6084.6	6051.9
15°	5174.8	5307.1	5405.1	5414.9	5436.1	5481.8	5514.5	5718.7	5805.3	6037.2	6024.2
17.5°	5063.7	5106.2	5248.3	5364.2	5344.6	5328.3	5354.4	5382.2	5465.5	5697.5	5694.2
20°	4879.1	5014.7	5091.5	5212.3	5321.8	5326.7	5297.3	5280.9	5248.3	5285.8	5320.1
22.5°	4800.7	4821.9	4965.7	5050.6	5174.8	5218.9	5225.4	5227.0	5209.1	5189.5	5179.7
25°	4792.5	4725.6	4799.1	4905.2	4996.7	5044.1	5098.0	5116.0	5109.4	5109.4	5099.6
27.5°	3921.9	4704.3	4665.1	4735.4	4846.4	4879.1	4906.9	4962.4	4996.7	5021.2	5032.6
30°	3735.7	3876.2	4560.6	4570.4	4683.1	4679.8	4710.9	4756.6	4800.7	4857.9	4872.6
32.5°	3304.5	3649.1	4175.1	4405.4	4523.0	4534.4	4550.8	4563.8	4604.7	4668.4	4723.9
35°	2647.8	3324.1	3577.2	4327.0	4348.2	4371.1	4380.9	4411.9	4425.0	4451.1	4500.1
37.5°	2396.3	2747.5	3431.9	3742.2	4147.3	4166.9	4219.2	4232.3	4253.5	4274.7	4312.3
40°	2250.9	2347.3	2856.9	3342.0	3985.6	3998.7	4016.6	4049.3	4050.9	4075.4	4109.8
42.5°	2134.9	2197.0	2345.6	3191.8	3871.3	3869.6	3827.2	3848.4	3858.2	3884.3	3931.7
45°	1705.3	2061.4	2156.1	2607.0	3082.3	3304.5	3730.8	3660.6	3658.9	3668.7	3719.4
47.5°	86.6	1938.9	2005.9	2151.2	2910.8	2919.0	2974.5	3441.7	3513.5	3490.7	3495.6
50°	58.8	133.9	1868.7	1935.6	2509.0	2711.5	2752.4	2773.6	3043.1	3343.7	3294.7
52.5°	45.7	76.8	1145.0	1796.8	2038.5	2187.2	2450.2	2600.4	2616.8	2737.7	3147.7
55°	40.8	58.8	124.1	1657.9	1733.1	1765.8	1919.3	2182.3	2394.6	2458.3	2463.2
57.5°	35.9	53.9	84.9	749.8	1576.3	1582.8	1608.9	1700.4	1891.5	2066.3	2264.0
60°	32.7	47.4	67.0	129.0	1432.5	1448.9	1453.8	1478.3	1501.1	1620.4	1847.4
62.5°	19.6	37.6	58.8	93.1	1133.6	1301.9	1300.2	1316.6	1337.8	1350.9	1396.6
65°	16.3	29.4	50.6	78.4	138.8	173.1	1051.9	1169.5	1182.6	1200.6	1208.8
67.5°	14.7	26.1	37.6	62.1	104.5	119.2	137.2	169.9	927.8	1045.4	1061.7
70°	13.1	18.0	31.0	52.3	84.9	91.5	102.9	117.6	138.8	171.5	839.6
72.5°	8.2	13.1	21.2	37.6	65.3	73.5	80.0	89.8	99.6	119.2	137.2
75°	3.3	9.8	18.0	27.8	50.6	55.5	60.4	67.0	75.1	88.2	98.0
77.5°	3.3	8.2	14.7	19.6	32.7	37.6	44.1	49.0	55.5	62.1	71.9
80°	11.4	6.5	9.8	14.7	22.9	24.5	27.8	31.0	35.9	40.8	47.4
82.5°	8.2	9.8	11.4	9.8	11.4	14.7	16.3	19.6	21.2	24.5	26.1
85°	6.5	6.5	8.2	8.2	8.2	8.2	8.2	8.2	9.8	11.4	14.7
87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5424.7	5421.4	5411.6	5411.6	5410.0	5416.5	5421.4	5426.3	5424.7	5434.5	5424.7
5°	5465.5	5457.3	5442.6	5429.6	5424.7	5427.9	5423.0	5427.9	5421.4	5429.6	5414.9
7.5°	5578.2	5550.5	5493.3	5470.4	5441.0	5439.4	5424.7	5421.4	5411.6	5411.6	5393.6
10°	5777.5	5643.6	5627.2	5558.6	5534.1	5414.9	5441.0	5396.9	5392.0	5370.8	5362.6
12.5°	5940.8	5836.3	5805.3	5744.8	5676.2	5434.5	5488.4	5393.6	5388.7	5346.3	5302.2
15°	5944.1	6004.5	5919.6	5753.0	5738.3	5571.7	5462.2	5429.6	5387.1	5259.7	5280.9
17.5°	5753.0	5891.8	5932.7	5896.7	5792.2	5679.5	5525.9	5460.6	5333.2	5276.0	5236.8
20°	5442.6	5583.1	5757.9	5769.3	5834.7	5754.6	5553.7	5447.5	5294.0	5194.4	5161.7
22.5°	5196.0	5298.9	5499.8	5592.9	5673.0	5700.7	5573.3	5416.5	5225.4	5129.0	5109.4
25°	5065.3	5088.2	5148.6	5258.1	5434.5	5561.9	5579.9	5413.2	5313.6	5102.9	4991.8
27.5°	5017.9	4998.3	4973.8	5029.4	5161.7	5316.9	5419.8	5447.5	5199.3	4998.3	4887.3
30°	4897.1	4908.5	4870.9	4851.3	4937.9	5098.0	5280.9	5326.7	5135.6	4928.1	4800.7
32.5°	4748.4	4768.0	4774.6	4740.3	4722.3	4833.4	5031.0	5140.5	5130.7	4828.5	4686.4
35°	4562.2	4617.8	4632.5	4634.1	4604.7	4586.7	4701.1	4928.1	5014.7	4782.7	4576.9
37.5°	4366.2	4382.5	4462.6	4483.8	4483.8	4429.9	4514.8	4696.2	4817.0	4679.8	4443.0
40°	4121.2	4173.5	4248.6	4286.2	4323.7	4328.6	4281.3	4408.7	4608.0	4573.7	4317.2
42.5°	3943.1	3977.4	4023.2	4073.8	4150.6	4170.2	4121.2	4144.1	4351.5	4441.3	4153.9
45°	3735.7	3781.4	3794.5	3850.0	3930.1	3987.2	3985.6	3938.2	4104.9	4215.9	4034.6
47.5°	3523.3	3567.4	3590.3	3618.1	3676.9	3750.4	3791.2	3770.0	3802.7	4019.9	3876.2
50°	3304.5	3329.0	3374.7	3405.7	3444.9	3487.4	3585.4	3605.0	3559.3	3732.4	3701.4
52.5°	3097.0	3105.2	3136.2	3167.3	3219.5	3250.6	3329.0	3387.8	3384.5	3435.1	3507.0
55°	2935.3	2899.4	2905.9	2930.4	2964.7	3012.1	3056.2	3147.7	3178.7	3188.5	3302.8
57.5°	2293.4	2662.5	2695.2	2693.6	2734.4	2755.6	2796.5	2856.9	2968.0	2943.5	3070.9
60°	2084.3	2125.1	2433.8	2469.8	2484.5	2504.1	2553.1	2608.6	2690.3	2742.6	2798.1
62.5°	1589.3	1837.6	1930.7	2203.5	2246.0	2257.4	2290.1	2316.2	2401.2	2520.4	2497.5
65°	1230.0	1336.2	1620.4	1731.5	1963.4	1992.8	2038.5	2066.3	2090.8	2228.0	2234.6
67.5°	1063.4	1079.7	1156.5	1370.5	1517.5	1744.5	1772.3	1796.8	1834.4	1932.4	1992.8
70°	908.2	927.8	949.0	967.0	1158.1	1308.4	1519.1	1527.3	1551.8	1617.1	1754.3
72.5°	171.5	775.9	789.0	800.4	821.6	921.3	1122.2	1285.5	1295.3	1326.4	1452.1
75°	116.0	135.6	186.2	640.3	661.5	668.1	702.4	906.6	1056.8	1063.4	1118.9
77.5°	83.3	93.1	112.7	133.9	341.4	512.9	521.1	558.6	713.8	826.5	836.3
80°	57.2	63.7	75.1	84.9	104.5	137.2	379.0	390.4	410.0	565.2	594.6
82.5°	32.7	37.6	44.1	53.9	62.1	78.4	101.3	130.7	266.3	284.2	377.3
85°	16.3	18.0	21.2	26.1	31.0	37.6	50.6	62.1	84.9	153.5	158.4
87.5°	8.2	8.2	8.2	8.2	13.1	14.7	18.0	22.9	29.4	44.1	57.2
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-LD5-85SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5426.3	5449.2	5468.8	5473.7	5473.7	5476.9	5481.8	5485.1	5488.4	5491.6	5488.4
5°	5416.5	5441.0	5457.3	5462.2	5462.2	5472.0	5480.2	5490.0	5494.9	5494.9	5491.6
7.5°	5392.0	5410.0	5431.2	5444.3	5445.9	5462.2	5476.9	5475.3	5481.8	5485.1	5493.3
10°	5359.3	5359.3	5395.3	5405.1	5413.2	5431.2	5436.1	5445.9	5468.8	5472.0	5493.3
12.5°	5343.0	5326.7	5369.1	5374.0	5401.8	5378.9	5408.3	5418.1	5395.3	5426.3	5385.5
15°	5269.5	5289.1	5282.6	5297.3	5346.3	5320.1	5400.2	5374.0	5432.8	5362.6	5486.7
17.5°	5209.1	5205.8	5231.9	5245.0	5254.8	5310.3	5331.6	5361.0	5383.8	5364.2	5413.2
20°	5165.0	5138.8	5158.4	5173.1	5207.4	5249.9	5263.0	5218.9	5295.6	5426.3	5457.3
22.5°	5081.7	5063.7	5086.6	5086.6	5138.8	5132.3	5181.3	5153.5	5225.4	5377.3	5535.8
25°	4968.9	4970.6	4995.1	5024.5	5034.3	5107.8	5133.9	5169.9	5259.7	5441.0	5537.4
27.5°	4854.6	4844.8	4859.5	4919.9	4970.6	5024.5	5032.6	5155.2	5277.7	5401.8	5486.7
30°	4740.3	4730.5	4740.3	4784.4	4844.8	4880.7	4970.6	5133.9	5248.3	5333.2	5413.2
32.5°	4617.8	4608.0	4630.8	4663.5	4769.7	4774.6	4952.6	5106.2	5196.0	5258.1	5243.4
35°	4487.1	4474.0	4495.2	4545.9	4643.9	4679.8	4866.0	4980.4	5081.7	5111.1	5042.4
37.5°	4330.3	4307.4	4333.5	4403.8	4506.7	4611.2	4766.4	4898.7	4952.6	4874.2	4792.5
40°	4166.9	4150.6	4196.3	4232.3	4353.1	4498.5	4676.6	4769.7	4735.4	4645.5	4555.7
42.5°	4021.5	3987.2	4028.1	4096.7	4233.9	4398.9	4542.6	4594.9	4513.2	4380.9	4276.4
45°	3843.5	3802.7	3851.7	3943.1	4090.1	4278.0	4390.7	4372.7	4233.9	4119.6	3975.8
47.5°	3657.3	3608.3	3657.3	3766.7	3931.7	4131.0	4212.7	4131.0	3956.2	3812.5	3696.5
50°	3474.3	3417.2	3464.5	3629.5	3791.2	3944.8	3943.1	3784.7	3680.2	3523.3	3422.1
52.5°	3293.0	3211.4	3258.7	3438.4	3600.1	3774.9	3645.9	3498.8	3373.1	3235.9	3203.2
55°	3069.2	2981.0	3044.7	3306.1	3430.2	3533.1	3327.3	3198.3	3074.1	3005.5	2964.7
57.5°	2856.9	2760.5	2816.1	3124.8	3216.3	3242.4	3052.9	2870.0	2796.5	2773.6	2714.8
60°	2638.0	2528.6	2580.8	2936.9	3000.6	2894.5	2708.3	2566.1	2551.4	2505.7	2460.0
62.5°	2428.9	2308.1	2340.7	2703.4	2732.8	2540.0	2368.5	2330.9	2295.0	2249.3	2224.8
65°	2188.8	2063.0	2108.8	2455.1	2427.3	2179.0	2082.6	2074.5	2027.1	1989.5	2025.5
67.5°	1968.3	1819.7	1883.4	2183.9	2058.1	1855.6	1816.4	1796.8	1759.2	1780.5	1403.1
70°	1726.6	1564.8	1651.4	1891.5	1705.3	1571.4	1556.7	1527.3	1528.9	1215.3	1024.2
72.5°	1457.0	1316.6	1442.3	1571.4	1349.2	1310.0	1288.8	1285.5	1037.2	842.9	795.5
75°	1220.2	1078.1	1213.7	1262.7	1074.8	1048.7	1047.0	865.7	681.1	650.1	635.4
77.5°	952.3	842.9	971.9	898.4	824.9	795.5	713.8	535.8	512.9	491.7	184.6
80°	641.9	650.1	725.3	619.1	588.0	501.5	395.3	379.0	326.7	130.7	102.9
82.5°	390.4	490.0	462.3	387.1	379.0	272.8	249.9	127.4	94.7	75.1	65.3
85°	202.5	248.3	238.5	210.7	156.8	140.5	78.4	60.4	49.0	37.6	31.0
87.5°	68.6	91.5	88.2	70.2	53.9	42.5	27.8	22.9	16.3	13.1	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5485.1	5485.1	5481.8	5485.1	5486.7	5483.5	5483.5	5486.7	5488.4	5490.0	5498.2
5°	5493.3	5496.5	5501.4	5511.2	5512.9	5532.5	5540.7	5545.6	5550.5	5552.1	5540.7
7.5°	5511.2	5522.7	5532.5	5530.8	5519.4	5488.4	5478.6	5470.4	5485.1	5522.7	5566.8
10°	5527.6	5475.3	5377.3	5511.2	5470.4	5508.0	5619.1	5643.6	5718.7	5824.9	5855.9
12.5°	5414.9	5558.6	5589.7	5439.4	5717.1	5614.2	5736.7	5844.5	5875.5	5983.3	5918.0
15°	5535.8	5606.0	5653.4	5803.6	5787.3	5875.5	5909.8	5888.6	5893.5	5921.2	5994.7
17.5°	5534.1	5674.6	5705.6	5806.9	5875.5	5877.1	5867.3	5857.5	5883.7	5904.9	5860.8
20°	5628.9	5674.6	5735.0	5775.9	5788.9	5805.3	5836.3	5811.8	5762.8	5715.4	5695.8
22.5°	5581.5	5684.4	5736.7	5743.2	5735.0	5684.4	5638.7	5570.1	5547.2	5522.7	5530.8
25°	5591.3	5638.7	5632.1	5606.0	5571.7	5476.9	5454.1	5424.7	5380.6	5274.4	5178.0
27.5°	5521.0	5496.5	5467.1	5403.4	5341.4	5290.7	5233.6	5138.8	5060.4	4946.1	4903.6
30°	5403.4	5305.4	5233.6	5196.0	5135.6	5050.6	4964.0	4848.1	4748.4	4725.6	4704.3
32.5°	5178.0	5081.7	5022.8	4931.4	4828.5	4727.2	4627.6	4581.8	4560.6	4563.8	4544.2
35°	4947.7	4862.8	4774.6	4637.4	4560.6	4459.3	4423.4	4413.6	4394.0	4372.7	4349.9
37.5°	4702.7	4603.1	4470.7	4389.1	4312.3	4271.5	4253.5	4238.8	4204.5	4166.9	4140.8
40°	4465.8	4286.2	4212.7	4132.6	4109.8	4091.8	4065.6	4029.7	3982.3	3975.8	3964.4
42.5°	4149.0	4019.9	3956.2	3939.9	3912.1	3881.1	3858.2	3819.0	3799.4	3812.5	3822.3
45°	3848.4	3783.1	3761.8	3742.2	3690.0	3645.9	3631.2	3618.1	3634.4	3706.3	3534.8
47.5°	3605.0	3578.9	3552.7	3520.1	3471.1	3438.4	3453.1	3466.2	3480.9	2953.3	2695.2
50°	3394.3	3358.4	3317.5	3281.6	3252.2	3248.9	3325.7	3095.4	2592.3	2579.2	2317.9
52.5°	3164.0	3110.1	3085.6	3064.3	3077.4	3126.4	2587.4	2401.2	2303.2	2001.0	1867.0
55°	2915.7	2868.3	2868.3	2887.9	2817.7	2283.6	2255.8	1950.3	1765.8	1713.5	1692.3
57.5°	2667.4	2662.5	2690.3	2460.0	2072.8	1987.9	1671.0	1604.0	1574.6	1568.1	1533.8
60°	2440.4	2486.1	2081.0	1914.4	1664.5	1501.1	1455.4	1447.2	1416.2	1404.8	1373.7
62.5°	2259.1	1873.6	1744.5	1424.4	1341.1	1319.8	1295.3	1283.9	1256.1	1109.1	325.1
65°	1631.8	1542.0	1251.2	1197.3	1190.8	1159.7	1149.9	1034.0	243.4	163.3	138.8
67.5°	1231.6	1092.8	1055.2	1045.4	1014.4	952.3	282.6	161.7	138.8	120.9	106.2
70°	945.8	921.3	893.5	870.6	256.5	160.1	138.8	117.6	101.3	89.8	81.7
72.5°	774.3	757.9	441.0	168.2	137.2	116.0	102.9	89.8	78.4	71.9	65.3
75°	606.0	168.2	138.8	116.0	99.6	84.9	75.1	67.0	60.4	55.5	50.6
77.5°	137.2	111.1	94.7	80.0	71.9	63.7	57.2	49.0	44.1	39.2	32.7
80°	84.9	73.5	62.1	57.2	49.0	40.8	35.9	32.7	26.1	24.5	21.2
82.5°	55.5	44.1	39.2	32.7	26.1	24.5	21.2	16.3	14.7	13.1	11.4
85°	24.5	21.2	18.0	14.7	11.4	9.8	8.2	6.5	6.5	6.5	6.5
87.5°	8.2	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	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-LD5-85SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5501.4	5530.8	5558.6	5550.5	5521.0	5475.3	5462.2	5444.3	5457.3	5485.1	5496.5
5°	5540.7	5524.3	5583.1	5669.7	5810.2	5823.2	5921.2	5944.1	6022.5	6071.5	6069.9
7.5°	5596.2	5828.1	5924.5	6029.1	6076.4	6065.0	6079.7	6068.3	6050.3	6042.1	6032.3
10°	5878.8	6055.2	6091.1	6091.1	6017.6	5918.0	5875.5	5802.0	5655.0	5658.3	5633.8
12.5°	6043.8	6105.8	6020.9	5949.0	5653.4	5539.0	5414.9	5356.1	5321.8	5269.5	5289.1
15°	5957.2	5869.0	5818.3	5586.4	5405.1	5199.3	5202.5	5166.6	5129.0	5132.3	5107.8
17.5°	5829.8	5759.5	5400.2	5240.1	5151.9	5071.9	5057.2	5009.8	4985.3	4977.1	4975.5
20°	5655.0	5401.8	5133.9	5094.7	4988.5	4897.1	4882.4	4897.1	4972.2	4838.3	4384.2
22.5°	5450.8	5086.6	5008.1	4897.1	4825.2	4789.3	4879.1	4470.7	3853.3	3928.4	3848.4
25°	5104.5	4946.1	4812.1	4727.2	4719.0	4498.5	3748.8	3670.4	3273.4	3061.1	2822.6
27.5°	4851.3	4782.7	4642.3	4627.6	4521.4	3678.5	3288.1	2856.9	2698.5	2674.0	2621.7
30°	4697.8	4599.8	4514.8	4144.1	3608.3	2961.4	2638.0	2577.6	2549.8	2520.4	2474.7
32.5°	4513.2	4420.1	4460.9	3484.1	2876.5	2549.8	2484.5	2440.4	2389.7	2370.1	2205.2
35°	4325.4	4282.9	3485.8	2928.8	2473.0	2394.6	2345.6	2299.9	1829.5	442.7	150.3
37.5°	4124.5	4114.7	3133.0	2430.6	2316.2	2242.7	2103.9	434.5	102.9	70.2	52.3
40°	3967.6	3134.6	2476.3	2278.7	2185.6	2069.6	290.8	71.9	45.7	27.8	18.0
42.5°	3863.1	2819.3	2216.6	2138.2	1935.6	214.0	73.5	31.0	18.0	14.7	11.4
45°	2977.8	2226.4	2071.2	1989.5	245.0	73.5	42.5	14.7	11.4	9.8	6.5
47.5°	2747.5	2022.2	1930.7	434.5	81.7	39.2	29.4	9.8	6.5	6.5	6.5
50°	2081.0	1868.7	1537.1	106.2	52.3	27.8	21.2	6.5	6.5	6.5	4.9
52.5°	1824.6	1724.9	165.0	70.2	40.8	21.2	13.1	4.9	4.9	4.9	4.9
55°	1667.7	1094.4	98.0	53.9	34.3	19.6	8.2	4.9	4.9	4.9	3.3
57.5°	1525.6	147.0	71.9	45.7	31.0	18.0	4.9	4.9	4.9	4.9	3.3
60°	1293.7	106.2	58.8	40.8	29.4	16.3	4.9	4.9	4.9	4.9	4.9
62.5°	168.2	83.3	50.6	35.9	21.2	13.1	3.3	4.9	4.9	4.9	4.9
65°	122.5	65.3	45.7	24.5	13.1	4.9	3.3	4.9	4.9	4.9	4.9
67.5°	94.7	53.9	34.3	21.2	11.4	3.3	3.3	4.9	4.9	4.9	4.9
70°	75.1	45.7	27.8	18.0	9.8	3.3	3.3	4.9	4.9	4.9	4.9
72.5°	58.8	32.7	19.6	9.8	6.5	3.3	3.3	4.9	4.9	4.9	4.9
75°	44.1	26.1	14.7	8.2	3.3	3.3	3.3	4.9	4.9	4.9	4.9
77.5°	29.4	16.3	11.4	6.5	6.5	6.5	8.2	8.2	4.9	4.9	4.9
80°	19.6	11.4	8.2	8.2	8.2	6.5	8.2	8.2	4.9	8.2	4.9
82.5°	9.8	8.2	8.2	6.5	6.5	4.9	6.5	6.5	6.5	6.5	4.9
85°	6.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	4.9
87.5°	3.3	3.3	3.3	3.3	4.9	4.9	4.9	4.9	6.5	6.5	4.9
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-LD5-85SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5481.8	5486.7	5473.7	5543.9	5508.0	5511.2	5525.9	5488.4	5496.5	5470.4	5452.4
5°	6076.4	6086.2	6096.0	6099.3	6105.8	6114.0	6104.2	6099.3	6089.5	6056.8	6022.5
7.5°	5983.3	5971.9	5967.0	5973.5	5984.9	5989.8	5981.7	5993.1	6035.6	6053.6	6065.0
10°	5493.3	5441.0	5476.9	5472.0	5431.2	5568.4	5530.8	5552.1	5566.8	5717.1	5808.5
12.5°	5259.7	5292.4	5230.3	5199.3	5240.1	5267.9	5295.6	5236.8	5318.5	5280.9	5401.8
15°	5063.7	5044.1	5037.5	5039.2	5031.0	5070.2	5080.0	5093.1	5104.5	5155.2	5174.8
17.5°	4975.5	5008.1	5021.2	5031.0	5014.7	4996.7	4978.7	4952.6	4960.8	4947.7	4985.3
20°	4078.7	3969.3	3962.7	4026.4	3956.2	3995.4	4090.1	4723.9	4702.7	4949.3	4866.0
22.5°	3404.1	3301.2	3213.0	3136.2	3245.7	3291.4	3467.8	3667.1	3990.5	3939.9	4291.1
25°	2780.1	2742.6	2719.7	2708.3	2716.4	2713.2	2752.4	2845.5	2992.5	3338.8	3786.3
27.5°	2600.4	2582.5	2574.3	2548.2	2567.8	2561.2	2592.3	2611.9	2656.0	2690.3	2835.7
30°	2458.3	2437.1	2422.4	2394.6	2414.2	2415.9	2425.7	2476.3	2494.3	2523.7	2569.4
32.5°	898.4	529.2	496.6	472.1	516.2	673.0	1181.0	2064.7	2355.4	2378.3	2430.6
35°	88.2	73.5	65.3	65.3	67.0	73.5	98.0	258.1	472.1	1824.6	2283.6
37.5°	34.3	29.4	24.5	22.9	24.5	27.8	37.6	49.0	67.0	138.8	619.1
40°	14.7	13.1	11.4	11.4	11.4	11.4	13.1	16.3	24.5	45.7	71.9
42.5°	9.8	8.2	8.2	8.2	8.2	8.2	8.2	8.2	11.4	14.7	29.4
45°	6.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	8.2	13.1
47.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5
50°	4.9	4.9	4.9	4.9	3.3	4.9	3.3	4.9	4.9	4.9	4.9
52.5°	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9
55°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9
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	4.9	4.9	3.3
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	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°	4.9	4.9	3.3	4.9	3.3	3.3	4.9	4.9	4.9	3.3	3.3
72.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	9.8	9.8	6.5
75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	8.2	9.8	8.2
77.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	8.2	8.2	8.2
80°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5
82.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5
85°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
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-LD5-85SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5421.4	5419.8	5454.1	5480.2	5470.4	5480.2	5491.6	5493.3	5496.5	5483.5	5478.6
5°	5957.2	5906.5	5808.5	5738.3	5656.6	5508.0	5434.5	5442.6	5444.3	5439.4	5445.9
7.5°	6060.1	6055.2	6020.9	6006.2	5950.6	5844.5	5674.6	5645.2	5573.3	5527.6	5490.0
10°	5802.0	5919.6	5950.6	6002.9	6035.6	6016.0	5872.2	5851.0	5805.3	5753.0	5764.4
12.5°	5522.7	5619.1	5624.0	5908.2	5971.9	5978.4	5922.9	5952.3	5958.8	5841.2	5772.6
15°	5179.7	5225.4	5321.8	5586.4	5779.1	5900.0	5935.9	5952.3	5872.2	5867.3	5839.6
17.5°	5029.4	5058.8	5102.9	5251.5	5543.9	5722.0	5873.9	5862.4	5893.5	5870.6	5800.4
20°	4839.9	4864.4	4942.8	5017.9	5161.7	5398.5	5682.8	5704.0	5744.8	5739.9	5759.5
22.5°	4836.6	4750.1	4763.1	4821.9	4972.2	5184.6	5486.7	5557.0	5583.1	5601.1	5622.3
25°	3837.0	4524.6	4650.4	4688.0	4786.0	4910.1	5266.2	5292.4	5341.4	5421.4	5480.2
27.5°	3324.1	3791.2	4294.3	4555.7	4617.8	4720.7	4933.0	4972.2	5138.8	5158.4	5249.9
30°	2623.3	2984.3	3735.7	4364.6	4467.5	4539.3	4689.6	4768.0	4839.9	4918.3	5014.7
32.5°	2468.1	2525.3	2941.8	3611.6	4411.9	4358.0	4469.1	4516.5	4594.9	4663.5	4733.7
35°	2326.0	2365.2	2453.4	2958.2	3593.6	4209.4	4284.5	4315.6	4359.7	4411.9	4462.6
37.5°	2177.4	2236.2	2296.6	2432.2	3324.1	4091.8	4090.1	4126.1	4152.2	4196.3	4238.8
40°	395.3	2053.2	2151.2	2239.5	2577.6	3263.6	3907.2	3923.5	3941.5	3969.3	4013.4
42.5°	63.7	343.0	2015.7	2100.6	2197.0	2922.2	3823.9	3756.9	3745.5	3765.1	3804.3
45°	32.7	83.3	405.1	1961.8	2048.3	2330.9	3126.4	3641.0	3629.5	3591.9	3600.1
47.5°	24.5	52.3	99.6	677.9	1917.7	2001.0	2884.7	2853.6	3070.9	3487.4	3423.7
50°	21.2	35.9	58.8	138.8	1693.9	1842.5	2221.5	2595.5	2709.9	2724.6	3224.4
52.5°	19.6	24.5	42.5	89.8	356.1	1703.7	1806.6	1937.3	2130.0	2543.3	2533.5
55°	18.0	22.9	35.9	60.4	124.1	1535.4	1641.6	1666.1	1707.0	1904.6	2166.0
57.5°	9.8	21.2	34.3	52.3	93.1	281.0	1489.7	1509.3	1542.0	1550.1	1643.2
60°	4.9	19.6	31.0	45.7	68.6	130.7	1339.4	1362.3	1381.9	1385.2	1414.6
62.5°	3.3	18.0	26.1	42.5	57.2	93.1	316.9	646.8	1230.0	1230.0	1264.3
65°	3.3	13.1	16.3	27.8	52.3	76.8	133.9	155.2	302.2	743.2	1109.1
67.5°	3.3	4.9	14.7	22.9	39.2	58.8	98.0	114.3	137.2	156.8	290.8
70°	3.3	3.3	13.1	14.7	24.5	44.1	70.2	80.0	93.1	106.2	122.5
72.5°	3.3	3.3	11.4	11.4	16.3	29.4	53.9	58.8	67.0	75.1	86.6
75°	8.2	6.5	9.8	9.8	11.4	22.9	40.8	45.7	49.0	55.5	63.7
77.5°	8.2	8.2	8.2	8.2	8.2	14.7	26.1	29.4	34.3	37.6	44.1
80°	6.5	6.5	6.5	8.2	8.2	9.8	16.3	18.0	19.6	24.5	26.1
82.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	9.8	11.4	14.7
85°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5	6.5
87.5°	4.9	4.9	4.9	3.3	3.3	4.9	4.9	4.9	4.9	4.9	4.9
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-LD5-85SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5476.9	5467.1	5459.0	5463.9	5449.2	5442.6	5447.5	5449.2	5452.4	5460.6	5462.2
5°	5462.2	5459.0	5473.7	5481.8	5478.6	5481.8	5481.8	5475.3	5465.5	5472.0	5457.3
7.5°	5452.4	5431.2	5414.9	5418.1	5401.8	5421.4	5439.4	5465.5	5473.7	5473.7	5457.3
10°	5620.7	5597.8	5506.3	5444.3	5403.4	5367.5	5452.4	5365.9	5406.7	5251.5	5429.6
12.5°	5759.5	5790.6	5749.7	5579.9	5550.5	5442.6	5504.7	5398.5	5367.5	5189.5	5246.6
15°	5815.1	5756.3	5743.2	5695.8	5632.1	5601.1	5434.5	5416.5	5365.9	5385.5	5310.3
17.5°	5766.1	5795.5	5756.3	5725.2	5659.9	5586.4	5486.7	5398.5	5328.3	5171.5	5303.8
20°	5718.7	5757.9	5640.3	5659.9	5666.4	5581.5	5529.2	5455.7	5367.5	5220.5	5106.2
22.5°	5640.3	5612.5	5622.3	5592.9	5568.4	5579.9	5508.0	5457.3	5308.7	5241.7	5086.6
25°	5512.9	5503.1	5529.2	5525.9	5467.1	5447.5	5411.6	5357.7	5298.9	5191.1	5063.7
27.5°	5305.4	5356.1	5401.8	5423.0	5392.0	5339.7	5320.1	5289.1	5248.3	5138.8	5044.1
30°	5086.6	5143.7	5196.0	5241.7	5269.5	5246.6	5228.7	5210.7	5148.6	5076.8	4970.6
32.5°	4836.6	4911.8	4983.6	5039.2	5099.6	5117.6	5104.5	5089.8	5037.5	4972.2	4887.3
35°	4547.5	4650.4	4755.0	4854.6	4880.7	4923.2	4965.7	4941.2	4913.4	4848.1	4769.7
37.5°	4302.5	4376.0	4451.1	4576.9	4668.4	4722.3	4797.4	4807.2	4759.9	4728.8	4625.9
40°	4049.3	4116.3	4225.7	4299.2	4425.0	4487.1	4567.1	4603.1	4591.6	4573.7	4483.8
42.5°	3850.0	3882.7	3954.6	4019.9	4144.1	4271.5	4341.7	4380.9	4421.7	4407.0	4361.3
45°	3637.7	3667.1	3691.6	3748.8	3869.6	3982.3	4068.9	4127.7	4201.2	4235.5	4180.0
47.5°	3427.0	3435.1	3464.5	3511.9	3583.8	3670.4	3815.7	3903.9	3972.5	4039.5	4003.6
50°	3265.3	3235.9	3240.8	3270.2	3329.0	3413.9	3518.4	3642.6	3721.0	3802.7	3810.8
52.5°	2853.6	3092.1	3034.9	3051.3	3082.3	3123.1	3232.6	3355.1	3451.5	3521.7	3591.9
55°	2394.6	2442.0	2901.0	2835.7	2855.3	2891.2	2941.8	3064.3	3157.5	3255.5	3353.5
57.5°	1857.2	2210.1	2228.0	2652.7	2642.9	2646.2	2688.7	2758.9	2852.0	2974.5	3057.8
60°	1444.0	1592.6	1881.7	2028.7	2401.2	2414.2	2438.7	2479.6	2559.6	2675.6	2807.9
62.5°	1274.1	1293.7	1396.6	1617.1	1858.9	2151.2	2203.5	2210.1	2246.0	2362.0	2515.5
65°	1118.9	1132.0	1163.0	1185.9	1388.4	1671.0	1922.6	1963.4	1986.3	2054.9	2185.6
67.5°	771.0	975.2	1002.9	1019.3	1038.9	1169.5	1481.5	1689.0	1715.1	1775.6	1889.9
70°	148.6	308.7	844.5	862.5	872.3	901.7	952.3	1282.3	1455.4	1512.6	1564.8
72.5°	101.3	119.2	143.7	339.8	718.7	735.1	746.5	789.0	1081.3	1248.0	1275.7
75°	73.5	81.7	96.4	119.2	147.0	478.6	592.9	614.2	635.4	877.2	1017.6
77.5°	52.3	58.8	65.3	76.8	89.8	116.0	166.6	459.0	480.2	491.7	694.2
80°	29.4	35.9	44.1	50.6	57.2	65.3	84.9	106.2	236.8	346.3	364.3
82.5°	16.3	19.6	22.9	27.8	31.0	39.2	47.4	57.2	75.1	111.1	235.2
85°	8.2	8.2	8.2	11.4	13.1	18.0	21.2	24.5	34.3	47.4	65.3
87.5°	4.9	4.9	6.5	6.5	6.5	8.2	8.2	8.2	9.8	14.7	21.2
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-LD5-85SL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	5442.6	5442.6	5442.6	5442.6	5442.6
2.5°	5463.9	5459.0	5459.0	5478.6	5473.7
5°	5454.1	5449.2	5447.5	5468.8	5459.0
7.5°	5445.9	5427.9	5423.0	5442.6	5434.5
10°	5413.2	5400.2	5408.3	5401.8	5398.5
12.5°	5357.7	5349.5	5315.2	5318.5	5346.3
15°	5258.1	5290.7	5231.9	5284.2	5295.6
17.5°	5075.1	5148.6	5205.8	5236.8	5241.7
20°	5156.8	5181.3	5151.9	5153.5	5173.1
22.5°	5050.6	5062.1	5070.2	5060.4	5102.9
25°	4880.7	4836.6	4931.4	4951.0	5019.6
27.5°	4828.5	4792.5	4836.6	4833.4	4890.5
30°	4786.0	4670.0	4689.6	4720.7	4790.9
32.5°	4725.6	4542.6	4523.0	4591.6	4670.0
35°	4619.4	4446.2	4400.5	4444.6	4562.2
37.5°	4529.5	4312.3	4220.8	4279.6	4433.2
40°	4395.6	4207.8	4065.6	4117.9	4299.2
42.5°	4235.5	4117.9	3899.0	3935.0	4142.4
45°	4073.8	3969.3	3737.3	3755.3	4001.9
47.5°	3908.8	3812.5	3569.1	3572.3	3822.3
50°	3747.1	3619.7	3418.8	3361.6	3631.2
52.5°	3536.4	3418.8	3266.9	3173.8	3449.8
55°	3337.1	3204.8	3093.7	2950.0	3244.0
57.5°	3142.8	2995.7	2920.6	2736.0	3010.4
60°	2876.5	2806.3	2695.2	2518.8	2799.7
62.5°	2603.7	2580.8	2468.1	2285.2	2540.0
65°	2285.2	2339.1	2223.1	2066.3	2270.5
67.5°	1984.6	2081.0	1953.6	1857.2	2010.8
70°	1664.5	1775.6	1703.7	1669.4	1734.7
72.5°	1349.2	1457.0	1463.6	1439.1	1460.3
75°	1042.1	1161.4	1226.7	1189.1	1194.0
77.5°	790.6	847.8	919.6	949.0	942.5
80°	488.4	588.0	646.8	707.3	686.0
82.5°	246.7	330.0	401.8	467.2	436.1
85°	102.9	132.3	184.6	243.4	233.6
87.5°	31.0	52.3	55.5	78.4	73.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)