

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-L940-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-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

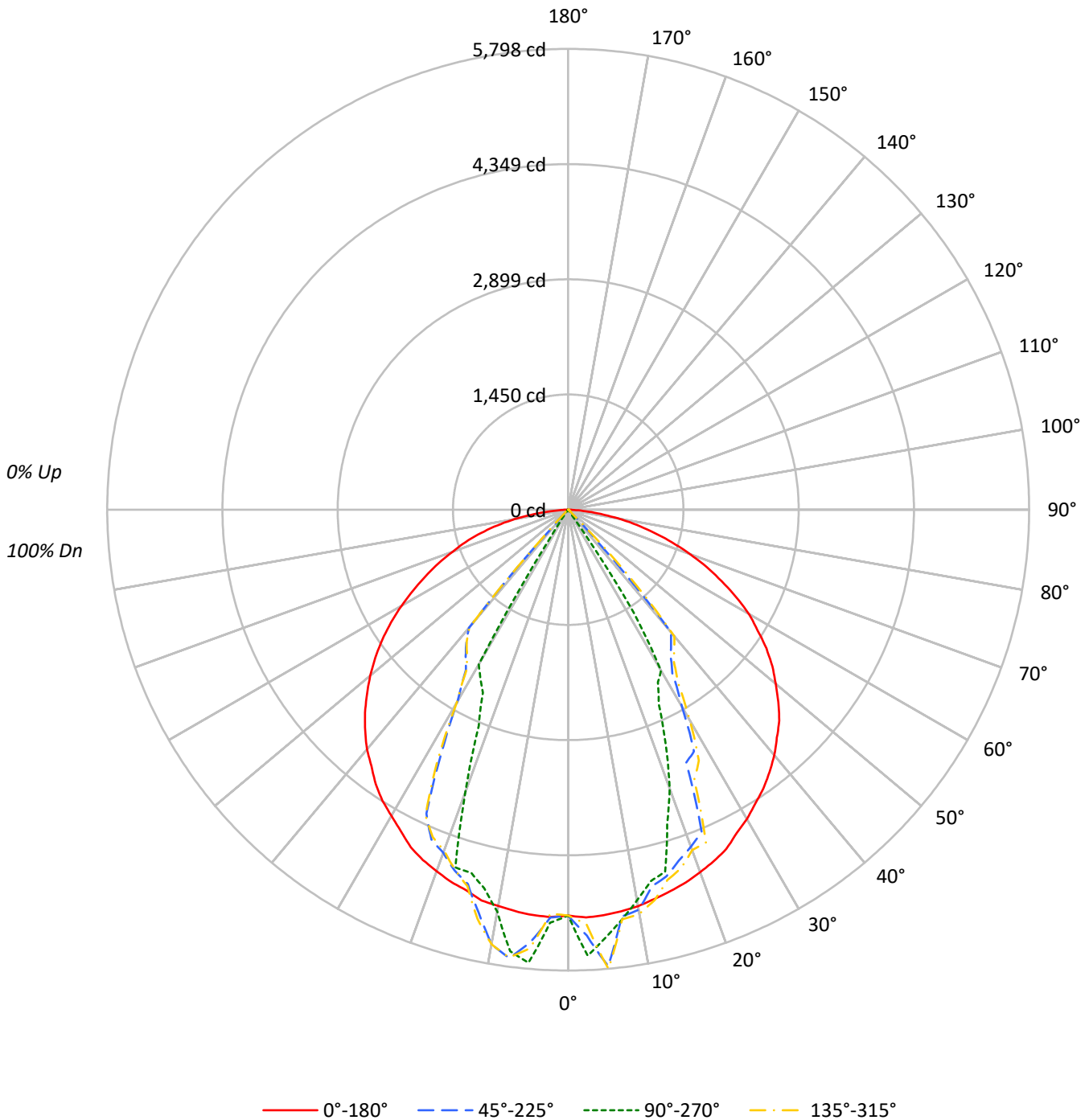
Lumens per Lamp: N/A  
Luminaire Lumens: 7260.0 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 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#  
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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°	20630	20630	20630	20630
5°	20743	21218	20736	22469
10°	20721	19200	20709	19754
15°	20694	17921	20643	17967
20°	20749	14115	20690	14289
25°	20841	10215	20740	9639
30°	20781	8961	20562	8614
35°	20882	198	20575	239
40°	20997	43	20495	43
45°	21122	25	20329	19
50°	21021	20	20056	20
55°	20970	14	19682	14
60°	20665	15	19049	15
65°	19704	24	18301	16
70°	18434	27	17548	27
75°	16523	30	16794	30
80°	13757	34	14543	34
85°	8618	40	8799	40



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	512.3	7.1
10°-20°	1397.2	19.2
20°-30°	1778.0	24.5
30°-40°	1501.9	20.7
40°-50°	981.9	13.5
50°-60°	618.7	8.5
60°-70°	329.4	4.5
70°-80°	120.1	1.7
80°-90°	20.7	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°	3687.5	50.8
0°-40°	5189.4	71.5
0°-60°	6789.9	93.5
0°-90°	7260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7260.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5106	5106	5106	5106	5106	
5°	5121	5403	5120	5722	5121	487
15°	4968	4715	4956	4727	4968	1404
25°	4709	2692	4686	2541	4709	2165
35°	4280	51	4217	61	4280	2677
45°	3754	6	3613	5	3754	2887
55°	3043	3	2856	3	3043	2712
65°	2130	5	1978	3	2130	2109
75°	1120	5	1138	5	1120	1189
85°	219	5	224	5	219	277
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5134.9	5138.0	5139.5	5142.6	5147.1	5148.7	5151.7	5148.7	5148.7	5148.7	5148.7
5°	5121.1	5127.2	5131.8	5138.0	5148.7	5150.2	5162.5	5164.0	5170.1	5182.4	5191.6
7.5°	5098.1	5104.2	5113.4	5128.8	5144.1	5160.9	5182.4	5205.4	5237.6	5268.2	5306.5
10°	5064.4	5072.1	5082.8	5096.6	5171.7	5182.4	5229.9	5295.8	5314.2	5410.7	5482.7
12.5°	5015.4	5041.4	5069.0	5081.3	5153.3	5266.7	5426.0	5393.9	5358.6	5674.3	5669.7
15°	4967.9	5003.1	4989.3	5088.9	5154.8	5352.5	5285.1	5429.1	5692.7	5628.3	5631.4
17.5°	4917.3	4925.0	5001.6	5084.3	5202.3	5303.4	5386.2	5583.9	5636.0	5640.6	5583.9
20°	4852.9	4889.7	5001.6	5076.7	5275.9	5323.4	5502.7	5603.8	5582.3	5530.2	5433.7
22.5°	4787.0	4898.9	5012.3	5118.0	5257.5	5384.7	5473.5	5521.0	5409.2	5203.8	5093.5
25°	4708.9	4774.8	4923.4	5078.2	5252.9	5326.4	5378.5	5301.9	5156.3	4972.5	4787.0
27.5°	4587.8	4693.6	4883.6	5058.3	5216.1	5305.0	5220.7	5036.8	4802.4	4681.3	4597.0
30°	4494.4	4632.3	4788.6	4957.1	5121.1	5173.2	4958.7	4748.7	4587.8	4466.8	4448.4
32.5°	4381.0	4577.1	4725.8	4886.6	5024.6	4955.6	4747.2	4476.0	4342.7	4296.7	4315.1
35°	4279.8	4428.5	4623.1	4780.9	4880.5	4725.8	4396.3	4227.7	4163.4	4189.4	4155.7
37.5°	4158.8	4354.9	4534.2	4670.6	4636.9	4404.0	4125.1	4017.8	4025.5	4004.0	3939.7
40°	4033.1	4220.1	4407.0	4535.7	4417.8	4062.2	3876.8	3853.8	3858.4	3789.5	3697.5
42.5°	3886.0	4056.1	4243.1	4359.5	4105.2	3827.8	3702.1	3705.2	3665.4	3568.8	3519.8
45°	3754.2	3910.5	4105.2	4115.9	3803.3	3571.9	3535.1	3495.3	3406.4	3374.2	3337.4
47.5°	3585.7	3758.8	3919.7	3861.5	3507.5	3363.5	3335.9	3248.6	3204.1	3179.6	3149.0
50°	3406.4	3581.1	3728.2	3562.7	3228.7	3194.9	3104.5	3035.6	3004.9	2978.9	2951.3
52.5°	3236.3	3380.4	3530.5	3245.5	3014.1	2981.9	2879.3	2839.4	2808.8	2779.7	2773.5
55°	3043.2	3170.4	3273.1	2943.6	2808.8	2733.7	2660.2	2632.6	2603.5	2589.7	2612.6
57.5°	2824.1	2968.2	2952.8	2646.4	2586.6	2477.8	2450.2	2431.8	2410.4	2419.6	2228.0
60°	2626.4	2736.8	2661.7	2428.8	2327.6	2254.1	2229.6	2217.3	2229.6	2042.6	1795.9
62.5°	2382.8	2506.9	2355.2	2174.4	2067.1	2031.9	2010.4	2027.3	1848.0	1642.7	1582.9
65°	2130.0	2264.8	2041.1	1901.6	1834.2	1803.6	1802.0	1659.5	1483.3	1403.6	1403.6
67.5°	1886.3	2025.8	1737.7	1621.2	1595.2	1598.2	1509.4	1293.3	1244.3	1190.6	1035.9
70°	1627.4	1749.9	1435.8	1365.3	1350.0	1339.3	1123.2	1065.0	1006.8	864.2	852.0
72.5°	1369.9	1429.7	1153.9	1137.0	1133.9	942.4	899.5	799.9	732.5	715.6	707.9
75°	1120.1	1101.8	911.7	927.1	781.5	714.1	645.1	586.9	577.7	571.6	142.5
77.5°	884.2	792.2	718.7	625.2	559.3	475.0	461.2	452.0	297.3	107.3	87.3
80°	643.6	513.3	478.1	406.1	346.3	332.5	340.2	104.2	82.7	69.0	59.8
82.5°	409.1	327.9	268.2	234.4	228.3	99.6	73.6	59.8	52.1	44.4	36.8
85°	219.1	145.6	134.8	113.4	67.4	46.0	38.3	29.1	24.5	19.9	18.4
87.5°	69.0	58.2	47.5	38.3	23.0	15.3	12.3	10.7	9.2	7.7	7.7
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°	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5145.6	5148.7	5147.1	5151.7	5151.7	5157.9	5162.5	5167.1	5176.3	5180.9	5216.1
5°	5211.5	5219.2	5242.2	5263.6	5289.7	5297.3	5341.8	5352.5	5404.6	5410.7	5582.3
7.5°	5358.6	5387.7	5442.9	5498.1	5553.2	5588.5	5649.8	5688.1	5729.4	5766.2	5902.6
10°	5536.4	5585.4	5639.0	5694.2	5726.4	5793.8	5830.6	5836.7	5826.0	5766.2	5545.6
12.5°	5711.1	5760.1	5737.1	5747.8	5786.1	5666.6	5683.5	5597.7	5657.4	5361.7	5142.6
15°	5686.5	5683.5	5626.8	5442.9	5473.5	5245.2	5153.3	5082.8	5139.5	5108.8	5075.1
17.5°	5613.0	5473.5	5375.5	5154.8	5061.3	4997.0	4998.5	5000.0	4972.5	5001.6	4915.8
20°	5301.9	5145.6	5000.0	4921.9	4894.3	4848.3	4871.3	4848.3	4849.9	4859.1	4727.3
22.5°	4888.2	4840.7	4756.4	4780.9	4771.7	4813.1	4782.5	4734.9	4750.3	4681.3	4581.7
25°	4721.2	4666.0	4662.9	4672.1	4658.3	4639.9	4612.4	4540.3	4535.7	4514.3	4468.3
27.5°	4552.6	4555.7	4564.9	4537.3	4488.2	4451.5	4410.1	4374.8	4388.6	4364.1	4301.3
30°	4436.1	4434.6	4379.4	4354.9	4264.5	4266.0	4255.3	4233.9	4220.1	4221.6	4181.8
32.5°	4270.6	4223.1	4160.3	4129.7	4122.0	4094.4	4073.0	4077.6	4088.3	4050.0	4091.4
35°	4100.6	4002.5	3993.3	3967.2	3942.7	3924.3	3932.0	3901.4	3899.8	3895.2	3558.1
37.5°	3872.2	3824.7	3820.1	3792.6	3775.7	3771.1	3742.0	3746.6	3760.4	3784.9	3034.0
40°	3683.8	3640.9	3630.1	3628.6	3591.8	3588.8	3596.4	3625.5	3645.4	3492.2	2891.5
42.5°	3481.5	3484.6	3450.8	3429.4	3434.0	3447.8	3484.6	3383.4	2931.4	2793.5	2643.3
45°	3308.3	3293.0	3274.6	3268.5	3308.3	3280.8	2876.2	2654.0	2600.4	2594.3	2172.9
47.5°	3127.5	3122.9	3115.3	3119.9	2893.1	2578.9	2487.0	2457.9	2467.1	2460.9	1866.4
50°	2945.2	2951.3	2951.3	2577.4	2365.9	2313.8	2321.5	2347.6	2185.1	2039.6	1739.2
52.5°	2787.3	2739.8	2347.6	2212.7	2165.2	2188.2	2133.0	1929.2	1782.1	1696.3	1609.0
55°	2494.7	2145.3	2057.9	2036.5	2053.3	1849.5	1723.9	1592.1	1553.8	1544.6	1494.0
57.5°	1962.9	1892.4	1900.1	1814.3	1619.7	1504.8	1454.2	1435.8	1419.0	1406.7	122.6
60°	1736.1	1756.1	1607.4	1423.5	1345.4	1330.1	1317.8	1301.0	1297.9	1276.4	78.1
62.5°	1589.0	1397.5	1268.8	1222.8	1204.4	1199.8	1176.8	1169.2	993.0	136.4	58.2
65°	1198.3	1120.1	1095.6	1084.9	1065.0	1065.0	884.2	139.4	113.4	98.1	52.1
67.5°	977.6	971.5	959.2	945.5	643.6	134.8	118.0	102.7	88.9	78.1	46.0
70°	827.5	824.4	750.8	137.9	114.9	101.1	88.9	79.7	73.6	65.9	41.4
72.5°	678.8	137.9	116.5	101.1	87.3	79.7	72.0	64.4	58.2	53.6	33.7
75°	105.7	93.5	82.7	75.1	69.0	61.3	55.2	50.6	49.0	42.9	23.0
77.5°	76.6	65.9	59.8	53.6	47.5	42.9	36.8	32.2	29.1	24.5	16.9
80°	53.6	47.5	42.9	35.2	30.6	26.0	23.0	19.9	18.4	15.3	7.7
82.5°	30.6	26.0	23.0	18.4	16.9	13.8	12.3	10.7	10.7	7.7	7.7
85°	13.8	13.8	10.7	9.2	7.7	7.7	7.7	6.1	6.1	4.6	4.6
87.5°	6.1	6.1	6.1	6.1	6.1	4.6	4.6	4.6	4.6	4.6	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5265.1	5285.1	5323.4	5363.2	5318.8	5478.1	5465.9	5519.5	5548.6	5562.4	5594.6
5°	5734.0	5822.9	5852.0	5764.7	5714.1	5662.0	5544.0	5455.1	5465.9	5436.8	5331.0
7.5°	5724.8	5534.8	5278.9	5162.5	5153.3	5139.5	5176.3	5197.7	5200.8	5199.2	5196.2
10°	5240.6	5142.6	5125.7	5110.4	5116.5	5059.8	5033.8	4960.2	5000.0	4978.6	4986.3
12.5°	5093.5	5070.5	4980.1	4854.5	4929.6	4872.9	4840.7	4862.1	4837.6	4814.6	4807.0
15°	5006.2	4857.5	4807.0	4776.3	4754.9	4742.6	4753.3	4728.8	4721.2	4716.6	4727.3
17.5°	4825.4	4765.6	4710.4	4629.2	4630.7	4626.2	4656.8	4702.8	4705.8	4469.9	4256.9
20°	4682.8	4633.8	4563.3	4512.8	4581.7	4459.1	3985.6	3760.4	3725.1	3725.1	3731.3
22.5°	4569.5	4460.7	4465.3	4385.6	3740.5	3608.7	3611.7	3625.5	3562.7	3348.2	3325.2
25°	4414.7	4397.8	4062.2	3510.6	3515.2	3412.5	3254.7	3032.5	2791.9	2791.9	2752.1
27.5°	4298.2	3941.2	3450.8	3427.9	3083.1	2865.5	2730.6	2526.8	2499.3	2473.2	2476.3
30°	4198.6	3334.4	3346.6	2865.5	2611.1	2430.3	2419.6	2385.9	2369.0	2364.4	2347.6
32.5°	3319.1	3247.0	2801.1	2439.5	2339.9	2310.8	2297.0	2258.7	2257.1	2228.0	2025.8
35°	3112.2	2850.2	2344.5	2246.4	2217.3	2189.7	2166.7	1454.2	171.6	69.0	59.8
37.5°	2876.2	2381.3	2168.3	2123.8	2096.2	1549.2	154.8	53.6	38.3	27.6	24.5
40°	2438.0	2126.9	2059.5	2010.4	829.0	53.6	33.7	26.0	15.3	13.8	12.3
42.5°	2056.4	2004.3	1932.3	588.4	61.3	26.0	16.9	12.3	10.7	10.7	9.2
45°	1924.6	1878.7	778.4	58.2	38.3	12.3	10.7	10.7	9.2	6.1	6.1
47.5°	1802.0	1586.0	70.5	36.8	24.5	10.7	9.2	6.1	6.1	6.1	4.6
50°	1671.8	87.3	49.0	27.6	15.3	6.1	6.1	6.1	6.1	4.6	4.6
52.5°	312.6	61.3	39.8	24.5	7.7	6.1	6.1	6.1	4.6	4.6	4.6
55°	73.6	49.0	36.8	21.5	6.1	6.1	6.1	4.6	4.6	4.6	3.1
57.5°	55.2	36.8	29.1	19.9	6.1	4.6	4.6	4.6	4.6	4.6	3.1
60°	46.0	26.0	23.0	18.4	4.6	4.6	4.6	4.6	4.6	4.6	3.1
62.5°	32.2	21.5	16.9	13.8	4.6	4.6	4.6	4.6	4.6	4.6	4.6
65°	26.0	16.9	13.8	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
67.5°	23.0	13.8	9.2	3.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6
70°	18.4	4.6	4.6	3.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6
72.5°	15.3	4.6	3.1	3.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6
75°	15.3	7.7	3.1	3.1	4.6	4.6	6.1	6.1	4.6	4.6	4.6
77.5°	10.7	7.7	3.1	3.1	4.6	4.6	6.1	6.1	4.6	4.6	4.6
80°	6.1	7.7	3.1	4.6	4.6	9.2	10.7	6.1	4.6	4.6	4.6
82.5°	6.1	7.7	9.2	9.2	4.6	7.7	9.2	7.7	6.1	4.6	4.6
85°	6.1	4.6	6.1	7.7	4.6	7.7	7.7	6.1	6.1	4.6	4.6
87.5°	3.1	4.6	4.6	6.1	6.1	6.1	7.7	6.1	6.1	6.1	4.6
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-LD5-85SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5609.9	5616.0	5519.5	5485.8	5514.9	5508.8	5482.7	5386.2	5375.5	5311.1	5217.6
5°	5361.7	5403.1	5352.5	5439.8	5398.5	5439.8	5565.5	5623.7	5718.7	5776.9	5798.4
7.5°	5188.5	5197.7	5197.7	5205.4	5213.0	5214.6	5205.4	5199.2	5173.2	5141.0	5199.2
10°	4978.6	4989.3	5007.7	5004.6	5003.1	5035.3	5042.9	5108.8	5105.8	5118.0	5162.5
12.5°	4869.8	4787.0	4862.1	4842.2	4869.8	4826.9	4906.6	4892.8	4897.4	4934.2	5029.2
15°	4689.0	4715.0	4733.4	4733.4	4744.1	4734.9	4725.8	4788.6	4826.9	4828.4	4822.3
17.5°	4341.1	4143.5	4345.7	4293.6	4708.9	4719.6	4684.4	4655.3	4655.3	4678.3	4727.3
20°	3726.7	3731.3	3732.8	3752.7	3777.2	3775.7	3777.2	4381.0	4667.5	4601.6	4557.2
22.5°	3267.0	3210.3	3316.0	3308.3	3440.1	3585.7	3725.1	3711.3	3720.5	4146.5	4529.6
25°	2618.8	2692.3	2632.6	2658.6	2807.3	2980.4	3087.7	3368.1	3673.0	3651.6	3751.2
27.5°	2465.5	2445.6	2473.2	2473.2	2493.1	2516.1	2575.9	2733.7	3004.9	3289.9	3559.6
30°	2320.0	2336.8	2339.9	2367.5	2382.8	2398.1	2407.3	2467.1	2528.4	2726.0	3058.6
32.5°	1742.3	1527.7	2010.4	2140.7	2251.0	2277.1	2295.5	2320.0	2364.4	2393.5	2560.5
35°	50.6	50.6	53.6	61.3	78.1	527.1	2007.4	2212.7	2241.8	2278.6	2309.2
37.5°	24.5	18.4	21.5	23.0	27.6	38.3	55.2	171.6	1910.8	2160.6	2194.3
40°	10.7	10.7	10.7	10.7	12.3	15.3	23.0	38.3	58.2	1536.9	2073.3
42.5°	9.2	9.2	9.2	9.2	9.2	9.2	10.7	13.8	27.6	65.9	1088.0
45°	6.1	6.1	4.6	6.1	6.1	7.7	9.2	9.2	12.3	41.4	75.1
47.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	7.7	9.2	27.6	39.8
50°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	21.5	27.6
52.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	9.2	24.5
55°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.6	4.6	6.1	21.5
57.5°	3.1	3.1	3.1	3.1	3.1	4.6	3.1	3.1	4.6	4.6	19.9
60°	3.1	3.1	3.1	3.1	3.1	4.6	4.6	4.6	4.6	4.6	18.4
62.5°	4.6	4.6	3.1	4.6	3.1	3.1	4.6	4.6	4.6	4.6	12.3
65°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.1	4.6
67.5°	4.6	4.6	4.6	4.6	3.1	4.6	3.1	4.6	4.6	3.1	3.1
70°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.1	3.1	3.1	3.1
72.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.1	3.1	3.1	3.1
75°	4.6	4.6	4.6	4.6	4.6	4.6	6.1	6.1	3.1	3.1	3.1
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	7.7	9.2	7.7	7.7	3.1
80°	4.6	4.6	4.6	4.6	4.6	4.6	7.7	7.7	7.7	7.7	10.7
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	6.1	6.1	6.1	6.1	7.7
85°	4.6	4.6	4.6	4.6	4.6	4.6	6.1	6.1	6.1	4.6	6.1
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.1	4.6	4.6	4.6
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-LD5-85SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5225.3	5173.2	5156.3	5121.1	5118.0	5121.1	5113.4	5102.7	5108.8	5098.1	5088.9
5°	5810.7	5671.2	5580.8	5459.7	5292.7	5255.9	5246.8	5194.7	5176.3	5170.1	5145.6
7.5°	5337.2	5591.5	5744.8	5796.9	5600.7	5554.8	5501.1	5458.2	5416.8	5338.7	5291.2
10°	5127.2	5139.5	5286.6	5458.2	5737.1	5775.4	5804.5	5711.1	5685.0	5485.8	5442.9
12.5°	5078.2	5079.7	5096.6	5200.8	5419.9	5444.4	5547.1	5602.3	5669.7	5708.0	5677.3
15°	4854.5	4978.6	5070.5	5079.7	5099.6	5142.6	5173.2	5364.7	5446.0	5663.5	5651.3
17.5°	4750.3	4790.1	4923.4	5032.2	5013.8	4998.5	5023.0	5049.1	5127.2	5344.8	5341.8
20°	4577.1	4704.3	4776.3	4889.7	4992.4	4997.0	4969.4	4954.1	4923.4	4958.7	4990.8
22.5°	4503.6	4523.5	4658.3	4738.0	4854.5	4895.8	4902.0	4903.5	4886.6	4868.3	4859.1
25°	4495.9	4433.1	4502.0	4601.6	4687.4	4731.9	4782.5	4799.3	4793.2	4793.2	4784.0
27.5°	3679.2	4413.2	4376.4	4442.3	4546.5	4577.1	4603.2	4655.3	4687.4	4710.4	4721.2
30°	3504.5	3636.3	4278.3	4287.5	4393.2	4390.2	4419.3	4462.2	4503.6	4557.2	4571.0
32.5°	3099.9	3423.3	3916.7	4132.7	4243.1	4253.8	4269.1	4281.4	4319.7	4379.4	4431.5
35°	2483.9	3118.3	3355.8	4059.2	4079.1	4100.6	4109.8	4138.9	4151.1	4175.6	4221.6
37.5°	2248.0	2577.4	3219.5	3510.6	3890.6	3909.0	3958.0	3970.3	3990.2	4010.1	4045.4
40°	2111.6	2202.0	2680.1	3135.2	3738.9	3751.2	3768.0	3798.7	3800.2	3823.2	3855.4
42.5°	2002.8	2061.0	2200.4	2994.2	3631.7	3630.1	3590.3	3610.2	3619.4	3643.9	3688.4
45°	1599.8	1933.8	2022.7	2445.6	2891.5	3099.9	3499.9	3434.0	3432.5	3441.6	3489.2
47.5°	81.2	1818.9	1881.7	2018.1	2730.6	2738.3	2790.4	3228.7	3296.1	3274.6	3279.2
50°	55.2	125.7	1753.0	1815.8	2353.7	2543.7	2582.0	2601.9	2854.8	3136.7	3090.7
52.5°	42.9	72.0	1074.2	1685.6	1912.4	2051.8	2298.5	2439.5	2454.8	2568.2	2952.8
55°	38.3	55.2	116.5	1555.3	1625.8	1656.5	1800.5	2047.2	2246.4	2306.2	2310.8
57.5°	33.7	50.6	79.7	703.3	1478.7	1484.8	1509.4	1595.2	1774.5	1938.4	2123.8
60°	30.6	44.4	62.8	121.1	1343.9	1359.2	1363.8	1386.8	1408.2	1520.1	1733.1
62.5°	18.4	35.2	55.2	87.3	1063.4	1221.3	1219.7	1235.1	1255.0	1267.2	1310.2
65°	15.3	27.6	47.5	73.6	130.2	162.4	986.8	1097.2	1109.4	1126.3	1133.9
67.5°	13.8	24.5	35.2	58.2	98.1	111.9	128.7	159.4	870.4	980.7	996.0
70°	12.3	16.9	29.1	49.0	79.7	85.8	96.5	110.3	130.2	160.9	787.6
72.5°	7.7	12.3	19.9	35.2	61.3	69.0	75.1	84.3	93.5	111.9	128.7
75°	3.1	9.2	16.9	26.0	47.5	52.1	56.7	62.8	70.5	82.7	91.9
77.5°	3.1	7.7	13.8	18.4	30.6	35.2	41.4	46.0	52.1	58.2	67.4
80°	10.7	6.1	9.2	13.8	21.5	23.0	26.0	29.1	33.7	38.3	44.4
82.5°	7.7	9.2	10.7	9.2	10.7	13.8	15.3	18.4	19.9	23.0	24.5
85°	6.1	6.1	7.7	7.7	7.7	7.7	7.7	7.7	9.2	10.7	13.8
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.1	6.1
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-LD5-85SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5088.9	5085.9	5076.7	5076.7	5075.1	5081.3	5085.9	5090.5	5088.9	5098.1	5088.9
5°	5127.2	5119.6	5105.8	5093.5	5088.9	5092.0	5087.4	5092.0	5085.9	5093.5	5079.7
7.5°	5233.0	5206.9	5153.3	5131.8	5104.2	5102.7	5088.9	5085.9	5076.7	5076.7	5059.8
10°	5419.9	5294.3	5278.9	5214.6	5191.6	5079.7	5104.2	5062.9	5058.3	5038.4	5030.7
12.5°	5573.1	5475.1	5446.0	5389.3	5324.9	5098.1	5148.7	5059.8	5055.2	5015.4	4974.0
15°	5576.2	5632.9	5553.2	5396.9	5383.1	5226.8	5124.2	5093.5	5053.7	4934.2	4954.1
17.5°	5396.9	5527.2	5565.5	5531.8	5433.7	5328.0	5183.9	5122.6	5003.1	4949.5	4912.7
20°	5105.8	5237.6	5401.5	5412.2	5473.5	5398.5	5210.0	5110.4	4966.3	4872.9	4842.2
22.5°	4874.4	4970.9	5159.4	5246.8	5321.8	5347.9	5228.4	5081.3	4902.0	4811.6	4793.2
25°	4751.8	4773.3	4830.0	4932.6	5098.1	5217.6	5234.5	5078.2	4984.7	4787.0	4682.8
27.5°	4707.4	4689.0	4666.0	4718.1	4842.2	4987.8	5084.3	5110.4	4877.5	4689.0	4584.8
30°	4594.0	4604.7	4569.5	4551.1	4632.3	4782.5	4954.1	4997.0	4817.7	4623.1	4503.6
32.5°	4454.5	4472.9	4479.0	4446.9	4430.0	4534.2	4719.6	4822.3	4813.1	4529.6	4396.3
35°	4279.8	4331.9	4345.7	4347.3	4319.7	4302.8	4410.1	4623.1	4704.3	4486.7	4293.6
37.5°	4096.0	4111.3	4186.4	4206.3	4206.3	4155.7	4235.4	4405.5	4518.9	4390.2	4168.0
40°	3866.1	3915.1	3985.6	4020.9	4056.1	4060.7	4016.3	4135.8	4322.7	4290.6	4050.0
42.5°	3699.1	3731.3	3774.2	3821.7	3893.7	3912.1	3866.1	3887.6	4082.2	4166.4	3896.8
45°	3504.5	3547.4	3559.6	3611.7	3686.8	3740.5	3738.9	3694.5	3850.8	3955.0	3784.9
47.5°	3305.3	3346.6	3368.1	3394.1	3449.3	3518.3	3556.6	3536.7	3567.3	3771.1	3636.3
50°	3099.9	3122.9	3165.8	3194.9	3231.7	3271.6	3363.5	3381.9	3339.0	3501.4	3472.3
52.5°	2905.3	2913.0	2942.1	2971.2	3020.3	3049.4	3122.9	3178.1	3175.0	3222.5	3289.9
55°	2753.6	2719.9	2726.0	2749.0	2781.2	2825.6	2867.0	2952.8	2981.9	2991.1	3098.4
57.5°	2151.4	2497.7	2528.4	2526.8	2565.1	2585.1	2623.4	2680.1	2784.3	2761.3	2880.8
60°	1955.3	1993.6	2283.2	2316.9	2330.7	2349.1	2395.1	2447.2	2523.8	2572.8	2624.9
62.5°	1491.0	1723.9	1811.2	2067.1	2107.0	2117.7	2148.3	2172.9	2252.5	2364.4	2343.0
65°	1153.9	1253.5	1520.1	1624.3	1841.9	1869.5	1912.4	1938.4	1961.4	2090.1	2096.2
67.5°	997.6	1012.9	1084.9	1285.6	1423.5	1636.5	1662.6	1685.6	1720.8	1812.8	1869.5
70°	852.0	870.4	890.3	907.1	1086.4	1227.4	1425.1	1432.7	1455.7	1517.0	1645.7
72.5°	160.9	727.9	740.1	750.8	770.8	864.2	1052.7	1206.0	1215.1	1244.3	1362.3
75°	108.8	127.2	174.7	600.7	620.6	626.7	658.9	850.5	991.4	997.6	1049.7
77.5°	78.1	87.3	105.7	125.7	320.3	481.2	488.8	524.1	669.6	775.4	784.6
80°	53.6	59.8	70.5	79.7	98.1	128.7	355.5	366.2	384.6	530.2	557.8
82.5°	30.6	35.2	41.4	50.6	58.2	73.6	95.0	122.6	249.8	266.6	354.0
85°	15.3	16.9	19.9	24.5	29.1	35.2	47.5	58.2	79.7	144.0	148.6
87.5°	7.7	7.7	7.7	7.7	12.3	13.8	16.9	21.5	27.6	41.4	53.6
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-LD5-85SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5090.5	5111.9	5130.3	5134.9	5134.9	5138.0	5142.6	5145.6	5148.7	5151.7	5148.7
5°	5081.3	5104.2	5119.6	5124.2	5124.2	5133.4	5141.0	5150.2	5154.8	5154.8	5151.7
7.5°	5058.3	5075.1	5095.0	5107.3	5108.8	5124.2	5138.0	5136.4	5142.6	5145.6	5153.3
10°	5027.6	5027.6	5061.3	5070.5	5078.2	5095.0	5099.6	5108.8	5130.3	5133.4	5153.3
12.5°	5012.3	4997.0	5036.8	5041.4	5067.5	5046.0	5073.6	5082.8	5061.3	5090.5	5052.1
15°	4943.3	4961.7	4955.6	4969.4	5015.4	4990.8	5065.9	5041.4	5096.6	5030.7	5147.1
17.5°	4886.6	4883.6	4908.1	4920.4	4929.6	4981.7	5001.6	5029.2	5050.6	5032.2	5078.2
20°	4845.3	4820.8	4839.1	4852.9	4885.1	4925.0	4937.2	4895.8	4967.9	5090.5	5119.6
22.5°	4767.1	4750.3	4771.7	4771.7	4820.8	4814.6	4860.6	4834.5	4902.0	5044.5	5193.1
25°	4661.4	4662.9	4685.9	4713.5	4722.7	4791.6	4816.2	4849.9	4934.2	5104.2	5194.7
27.5°	4554.1	4544.9	4558.7	4615.4	4662.9	4713.5	4721.2	4836.1	4951.0	5067.5	5147.1
30°	4446.9	4437.7	4446.9	4488.2	4544.9	4578.6	4662.9	4816.2	4923.4	5003.1	5078.2
32.5°	4331.9	4322.7	4344.2	4374.8	4474.4	4479.0	4646.1	4790.1	4874.4	4932.6	4918.8
35°	4209.4	4197.1	4217.0	4264.5	4356.5	4390.2	4564.9	4672.1	4767.1	4794.7	4730.4
37.5°	4062.2	4040.8	4065.3	4131.2	4227.7	4325.8	4471.4	4595.5	4646.1	4572.5	4495.9
40°	3909.0	3893.7	3936.6	3970.3	4083.7	4220.1	4387.1	4474.4	4442.3	4358.0	4273.7
42.5°	3772.6	3740.5	3778.8	3843.1	3971.8	4126.6	4261.5	4310.5	4233.9	4109.8	4011.7
45°	3605.6	3567.3	3613.3	3699.1	3837.0	4013.2	4118.9	4102.1	3971.8	3864.6	3729.7
47.5°	3430.9	3385.0	3430.9	3533.6	3688.4	3875.3	3951.9	3875.3	3711.3	3576.5	3467.7
50°	3259.3	3205.7	3250.1	3404.9	3556.6	3700.6	3699.1	3550.4	3452.4	3305.3	3210.3
52.5°	3089.2	3012.6	3057.0	3225.6	3377.3	3541.3	3420.2	3282.3	3164.3	3035.6	3004.9
55°	2879.3	2796.5	2856.3	3101.5	3217.9	3314.5	3121.4	3000.3	2883.9	2819.5	2781.2
57.5°	2680.1	2589.7	2641.8	2931.4	3017.2	3041.7	2864.0	2692.3	2623.4	2601.9	2546.8
60°	2474.7	2372.1	2421.1	2755.2	2814.9	2715.3	2540.6	2407.3	2393.5	2350.6	2307.7
62.5°	2278.6	2165.2	2195.9	2536.0	2563.6	2382.8	2221.9	2186.7	2152.9	2110.0	2087.1
65°	2053.3	1935.4	1978.3	2303.1	2277.1	2044.1	1953.7	1946.1	1901.6	1866.4	1900.1
67.5°	1846.5	1707.0	1766.8	2048.7	1930.8	1740.7	1704.0	1685.6	1650.3	1670.3	1316.3
70°	1619.7	1468.0	1549.2	1774.5	1599.8	1474.1	1460.3	1432.7	1434.3	1140.1	960.8
72.5°	1366.9	1235.1	1353.1	1474.1	1265.7	1228.9	1209.0	1206.0	973.0	790.7	746.3
75°	1144.7	1011.3	1138.5	1184.5	1008.3	983.8	982.2	812.1	639.0	609.9	596.1
77.5°	893.4	790.7	911.7	842.8	773.8	746.3	669.6	502.6	481.2	461.2	173.2
80°	602.2	609.9	680.4	580.8	551.6	470.4	370.8	355.5	306.5	122.6	96.5
82.5°	366.2	459.7	433.7	363.2	355.5	255.9	234.4	119.5	88.9	70.5	61.3
85°	190.0	232.9	223.7	197.7	147.1	131.8	73.6	56.7	46.0	35.2	29.1
87.5°	64.4	85.8	82.7	65.9	50.6	39.8	26.0	21.5	15.3	12.3	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5145.6	5145.6	5142.6	5145.6	5147.1	5144.1	5144.1	5147.1	5148.7	5150.2	5157.9
5°	5153.3	5156.3	5160.9	5170.1	5171.7	5190.1	5197.7	5202.3	5206.9	5208.4	5197.7
7.5°	5170.1	5180.9	5190.1	5188.5	5177.8	5148.7	5139.5	5131.8	5145.6	5180.9	5222.2
10°	5185.5	5136.4	5044.5	5170.1	5131.8	5167.1	5271.3	5294.3	5364.7	5464.3	5493.5
12.5°	5079.7	5214.6	5243.7	5102.7	5363.2	5266.7	5381.6	5482.7	5511.8	5613.0	5551.7
15°	5193.1	5259.0	5303.4	5444.4	5429.1	5511.8	5544.0	5524.1	5528.7	5554.8	5623.7
17.5°	5191.6	5323.4	5352.5	5447.5	5511.8	5513.4	5504.2	5495.0	5519.5	5539.4	5498.1
20°	5280.5	5323.4	5380.1	5418.4	5430.6	5446.0	5475.1	5452.1	5406.1	5361.7	5343.3
22.5°	5236.0	5332.6	5381.6	5387.7	5380.1	5332.6	5289.7	5225.3	5203.8	5180.9	5188.5
25°	5245.2	5289.7	5283.5	5259.0	5226.8	5138.0	5116.5	5088.9	5047.5	4947.9	4857.5
27.5°	5179.3	5156.3	5128.8	5069.0	5010.8	4963.3	4909.6	4820.8	4747.2	4639.9	4600.1
30°	5069.0	4977.1	4909.6	4874.4	4817.7	4738.0	4656.8	4548.0	4454.5	4433.1	4413.2
32.5°	4857.5	4767.1	4712.0	4626.2	4529.6	4434.6	4341.1	4298.2	4278.3	4281.4	4263.0
35°	4641.5	4561.8	4479.0	4350.3	4278.3	4183.3	4149.6	4140.4	4122.0	4102.1	4080.6
37.5°	4411.6	4318.1	4194.0	4117.4	4045.4	4007.1	3990.2	3976.4	3944.3	3909.0	3884.5
40°	4189.4	4020.9	3951.9	3876.8	3855.4	3838.5	3814.0	3780.3	3735.9	3729.7	3719.0
42.5°	3892.2	3771.1	3711.3	3696.0	3670.0	3640.9	3619.4	3582.6	3564.2	3576.5	3585.7
45°	3610.2	3548.9	3529.0	3510.6	3461.6	3420.2	3406.4	3394.1	3409.5	3476.9	3316.0
47.5°	3381.9	3357.4	3332.9	3302.2	3256.2	3225.6	3239.4	3251.6	3265.4	2770.5	2528.4
50°	3184.2	3150.5	3112.2	3078.5	3050.9	3047.8	3119.9	2903.8	2431.8	2419.6	2174.4
52.5°	2968.2	2917.6	2894.6	2874.7	2886.9	2932.9	2427.2	2252.5	2160.6	1877.1	1751.5
55°	2735.2	2690.8	2690.8	2709.2	2643.3	2142.2	2116.2	1829.6	1656.5	1607.4	1587.5
57.5°	2502.3	2497.7	2523.8	2307.7	1944.5	1864.9	1567.6	1504.8	1477.2	1471.1	1438.9
60°	2289.3	2332.2	1952.2	1795.9	1561.5	1408.2	1365.3	1357.7	1328.5	1317.8	1288.7
62.5°	2119.2	1757.6	1636.5	1336.2	1258.1	1238.1	1215.1	1204.4	1178.4	1040.5	304.9
65°	1530.8	1446.5	1173.8	1123.2	1117.1	1088.0	1078.8	970.0	228.3	153.2	130.2
67.5°	1155.4	1025.1	989.9	980.7	951.6	893.4	265.1	151.7	130.2	113.4	99.6
70°	887.2	864.2	838.2	816.7	240.6	150.2	130.2	110.3	95.0	84.3	76.6
72.5°	726.3	711.0	413.7	157.8	128.7	108.8	96.5	84.3	73.6	67.4	61.3
75°	568.5	157.8	130.2	108.8	93.5	79.7	70.5	62.8	56.7	52.1	47.5
77.5°	128.7	104.2	88.9	75.1	67.4	59.8	53.6	46.0	41.4	36.8	30.6
80°	79.7	69.0	58.2	53.6	46.0	38.3	33.7	30.6	24.5	23.0	19.9
82.5°	52.1	41.4	36.8	30.6	24.5	23.0	19.9	15.3	13.8	12.3	10.7
85°	23.0	19.9	16.9	13.8	10.7	9.2	7.7	6.1	6.1	6.1	6.1
87.5°	7.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5160.9	5188.5	5214.6	5206.9	5179.3	5136.4	5124.2	5107.3	5119.6	5145.6	5156.3
5°	5197.7	5182.4	5237.6	5318.8	5450.6	5462.8	5554.8	5576.2	5649.8	5695.7	5694.2
7.5°	5249.8	5467.4	5557.8	5655.9	5700.3	5689.6	5703.4	5692.7	5675.8	5668.1	5659.0
10°	5514.9	5680.4	5714.1	5714.1	5645.2	5551.7	5511.8	5442.9	5305.0	5308.0	5285.1
12.5°	5669.7	5727.9	5648.2	5580.8	5303.4	5196.2	5079.7	5024.6	4992.4	4943.3	4961.7
15°	5588.5	5505.7	5458.2	5240.6	5070.5	4877.5	4880.5	4846.8	4811.6	4814.6	4791.6
17.5°	5468.9	5403.1	5065.9	4915.8	4833.0	4757.9	4744.1	4699.7	4676.7	4669.1	4667.5
20°	5305.0	5067.5	4816.2	4779.4	4679.8	4594.0	4580.2	4594.0	4664.5	4538.8	4112.8
22.5°	5113.4	4771.7	4698.2	4594.0	4526.5	4492.8	4577.1	4194.0	3614.8	3685.3	3610.2
25°	4788.6	4639.9	4514.3	4434.6	4426.9	4220.1	3516.7	3443.2	3070.8	2871.6	2647.9
27.5°	4551.1	4486.7	4354.9	4341.1	4241.5	3450.8	3084.6	2680.1	2531.4	2508.4	2459.4
30°	4407.0	4315.1	4235.4	3887.6	3385.0	2778.1	2474.7	2418.0	2392.0	2364.4	2321.5
32.5°	4233.9	4146.5	4184.8	3268.5	2698.5	2392.0	2330.7	2289.3	2241.8	2223.4	2068.7
35°	4057.7	4017.8	3270.0	2747.5	2320.0	2246.4	2200.4	2157.5	1716.2	415.3	141.0
37.5°	3869.2	3860.0	2939.0	2280.1	2172.9	2103.9	1973.7	407.6	96.5	65.9	49.0
40°	3722.1	2940.6	2323.0	2137.6	2050.3	1941.5	272.8	67.4	42.9	26.0	16.9
42.5°	3624.0	2644.8	2079.4	2005.8	1815.8	200.7	69.0	29.1	16.9	13.8	10.7
45°	2793.5	2088.6	1943.0	1866.4	229.9	69.0	39.8	13.8	10.7	9.2	6.1
47.5°	2577.4	1897.0	1811.2	407.6	76.6	36.8	27.6	9.2	6.1	6.1	6.1
50°	1952.2	1753.0	1441.9	99.6	49.0	26.0	19.9	6.1	6.1	6.1	4.6
52.5°	1711.6	1618.2	154.8	65.9	38.3	19.9	12.3	4.6	4.6	4.6	4.6
55°	1564.5	1026.7	91.9	50.6	32.2	18.4	7.7	4.6	4.6	4.6	3.1
57.5°	1431.2	137.9	67.4	42.9	29.1	16.9	4.6	4.6	4.6	4.6	3.1
60°	1213.6	99.6	55.2	38.3	27.6	15.3	4.6	4.6	4.6	4.6	4.6
62.5°	157.8	78.1	47.5	33.7	19.9	12.3	3.1	4.6	4.6	4.6	4.6
65°	114.9	61.3	42.9	23.0	12.3	4.6	3.1	4.6	4.6	4.6	4.6
67.5°	88.9	50.6	32.2	19.9	10.7	3.1	3.1	4.6	4.6	4.6	4.6
70°	70.5	42.9	26.0	16.9	9.2	3.1	3.1	4.6	4.6	4.6	4.6
72.5°	55.2	30.6	18.4	9.2	6.1	3.1	3.1	4.6	4.6	4.6	4.6
75°	41.4	24.5	13.8	7.7	3.1	3.1	3.1	4.6	4.6	4.6	4.6
77.5°	27.6	15.3	10.7	6.1	6.1	6.1	7.7	7.7	4.6	4.6	4.6
80°	18.4	10.7	7.7	7.7	7.7	6.1	7.7	7.7	4.6	7.7	4.6
82.5°	9.2	7.7	7.7	6.1	6.1	4.6	6.1	6.1	6.1	6.1	4.6
85°	6.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.1	6.1	4.6
87.5°	3.1	3.1	3.1	3.1	4.6	4.6	4.6	4.6	6.1	6.1	4.6
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-LD5-85SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5142.6	5147.1	5134.9	5200.8	5167.1	5170.1	5183.9	5148.7	5156.3	5131.8	5115.0
5°	5700.3	5709.5	5718.7	5721.8	5727.9	5735.6	5726.4	5721.8	5712.6	5681.9	5649.8
7.5°	5613.0	5602.3	5597.7	5603.8	5614.5	5619.1	5611.4	5622.2	5662.0	5678.9	5689.6
10°	5153.3	5104.2	5138.0	5133.4	5095.0	5223.8	5188.5	5208.4	5222.2	5363.2	5449.0
12.5°	4934.2	4964.8	4906.6	4877.5	4915.8	4941.8	4967.9	4912.7	4989.3	4954.1	5067.5
15°	4750.3	4731.9	4725.8	4727.3	4719.6	4756.4	4765.6	4777.9	4788.6	4836.1	4854.5
17.5°	4667.5	4698.2	4710.4	4719.6	4704.3	4687.4	4670.6	4646.1	4653.7	4641.5	4676.7
20°	3826.3	3723.6	3717.5	3777.2	3711.3	3748.1	3837.0	4431.5	4411.6	4643.0	4564.9
22.5°	3193.4	3096.9	3014.1	2942.1	3044.8	3087.7	3253.2	3440.1	3743.5	3696.0	4025.5
25°	2608.1	2572.8	2551.4	2540.6	2548.3	2545.2	2582.0	2669.3	2807.3	3132.1	3552.0
27.5°	2439.5	2422.6	2415.0	2390.5	2408.8	2402.7	2431.8	2450.2	2491.6	2523.8	2660.2
30°	2306.2	2286.3	2272.5	2246.4	2264.8	2266.3	2275.5	2323.0	2339.9	2367.5	2410.4
32.5°	842.8	496.5	465.8	442.8	484.2	631.3	1107.9	1936.9	2209.6	2231.1	2280.1
35°	82.7	69.0	61.3	61.3	62.8	69.0	91.9	242.1	442.8	1711.6	2142.2
37.5°	32.2	27.6	23.0	21.5	23.0	26.0	35.2	46.0	62.8	130.2	580.8
40°	13.8	12.3	10.7	10.7	10.7	10.7	12.3	15.3	23.0	42.9	67.4
42.5°	9.2	7.7	7.7	7.7	7.7	7.7	7.7	7.7	10.7	13.8	27.6
45°	6.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.1	7.7	12.3
47.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.1
50°	4.6	4.6	4.6	4.6	3.1	4.6	3.1	4.6	4.6	4.6	4.6
52.5°	4.6	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.6	4.6
55°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.6
57.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
60°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.6	4.6	3.1
65°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.6	3.1
67.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
70°	4.6	4.6	3.1	4.6	3.1	3.1	4.6	4.6	4.6	3.1	3.1
72.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	9.2	9.2	6.1
75°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	7.7	9.2	7.7
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	7.7	7.7	7.7
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.1	6.1	6.1
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.1	6.1	6.1
85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
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-LD5-85SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5085.9	5084.3	5116.5	5141.0	5131.8	5141.0	5151.7	5153.3	5156.3	5144.1	5139.5
5°	5588.5	5541.0	5449.0	5383.1	5306.5	5167.1	5098.1	5105.8	5107.3	5102.7	5108.8
7.5°	5685.0	5680.4	5648.2	5634.4	5582.3	5482.7	5323.4	5295.8	5228.4	5185.5	5150.2
10°	5442.9	5553.2	5582.3	5631.4	5662.0	5643.6	5508.8	5488.9	5446.0	5396.9	5407.6
12.5°	5180.9	5271.3	5275.9	5542.5	5602.3	5608.4	5556.3	5583.9	5590.0	5479.7	5415.3
15°	4859.1	4902.0	4992.4	5240.6	5421.4	5534.8	5568.5	5583.9	5508.8	5504.2	5478.1
17.5°	4718.1	4745.7	4787.0	4926.5	5200.8	5367.8	5510.3	5499.6	5528.7	5507.2	5441.4
20°	4540.3	4563.3	4636.9	4707.4	4842.2	5064.4	5331.0	5351.0	5389.3	5384.7	5403.1
22.5°	4537.3	4456.1	4468.3	4523.5	4664.5	4863.7	5147.1	5213.0	5237.6	5254.4	5274.3
25°	3599.5	4244.6	4362.6	4397.8	4489.8	4606.2	4940.3	4964.8	5010.8	5085.9	5141.0
27.5°	3118.3	3556.6	4028.5	4273.7	4331.9	4428.5	4627.7	4664.5	4820.8	4839.1	4925.0
30°	2460.9	2799.6	3504.5	4094.4	4191.0	4258.4	4399.4	4472.9	4540.3	4613.9	4704.3
32.5°	2315.4	2369.0	2759.8	3388.0	4138.9	4088.3	4192.5	4236.9	4310.5	4374.8	4440.7
35°	2182.1	2218.8	2301.6	2775.1	3371.2	3948.9	4019.3	4048.5	4089.8	4138.9	4186.4
37.5°	2042.6	2097.8	2154.5	2281.7	3118.3	3838.5	3837.0	3870.7	3895.2	3936.6	3976.4
40°	370.8	1926.2	2018.1	2100.8	2418.0	3061.6	3665.4	3680.7	3697.5	3723.6	3765.0
42.5°	59.8	321.8	1890.9	1970.6	2061.0	2741.4	3587.2	3524.4	3513.7	3532.1	3568.8
45°	30.6	78.1	380.0	1840.3	1921.6	2186.7	2932.9	3415.6	3404.9	3369.6	3377.3
47.5°	23.0	49.0	93.5	635.9	1799.0	1877.1	2706.1	2677.0	2880.8	3271.6	3211.8
50°	19.9	33.7	55.2	130.2	1589.0	1728.5	2084.0	2434.9	2542.2	2556.0	3024.8
52.5°	18.4	23.0	39.8	84.3	334.1	1598.2	1694.8	1817.4	1998.2	2385.9	2376.7
55°	16.9	21.5	33.7	56.7	116.5	1440.4	1540.0	1563.0	1601.3	1786.7	2031.9
57.5°	9.2	19.9	32.2	49.0	87.3	263.6	1397.5	1415.9	1446.5	1454.2	1541.5
60°	4.6	18.4	29.1	42.9	64.4	122.6	1256.5	1278.0	1296.4	1299.4	1327.0
62.5°	3.1	16.9	24.5	39.8	53.6	87.3	297.3	606.8	1153.9	1153.9	1186.0
65°	3.1	12.3	15.3	26.0	49.0	72.0	125.7	145.6	283.5	697.2	1040.5
67.5°	3.1	4.6	13.8	21.5	36.8	55.2	91.9	107.3	128.7	147.1	272.8
70°	3.1	3.1	12.3	13.8	23.0	41.4	65.9	75.1	87.3	99.6	114.9
72.5°	3.1	3.1	10.7	10.7	15.3	27.6	50.6	55.2	62.8	70.5	81.2
75°	7.7	6.1	9.2	9.2	10.7	21.5	38.3	42.9	46.0	52.1	59.8
77.5°	7.7	7.7	7.7	7.7	7.7	13.8	24.5	27.6	32.2	35.2	41.4
80°	6.1	6.1	6.1	7.7	7.7	9.2	15.3	16.9	18.4	23.0	24.5
82.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	9.2	10.7	13.8
85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.1	6.1	6.1	6.1
87.5°	4.6	4.6	4.6	3.1	3.1	4.6	4.6	4.6	4.6	4.6	4.6
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-LD5-85SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5138.0	5128.8	5121.1	5125.7	5111.9	5105.8	5110.4	5111.9	5115.0	5122.6	5124.2
5°	5124.2	5121.1	5134.9	5142.6	5139.5	5142.6	5142.6	5136.4	5127.2	5133.4	5119.6
7.5°	5115.0	5095.0	5079.7	5082.8	5067.5	5085.9	5102.7	5127.2	5134.9	5134.9	5119.6
10°	5272.8	5251.3	5165.5	5107.3	5069.0	5035.3	5115.0	5033.8	5072.1	4926.5	5093.5
12.5°	5403.1	5432.2	5393.9	5234.5	5206.9	5105.8	5164.0	5064.4	5035.3	4868.3	4921.9
15°	5455.1	5400.0	5387.7	5343.3	5283.5	5254.4	5098.1	5081.3	5033.8	5052.1	4981.7
17.5°	5409.2	5436.8	5400.0	5370.9	5309.6	5240.6	5147.1	5064.4	4998.5	4851.4	4975.5
20°	5364.7	5401.5	5291.2	5309.6	5315.7	5236.0	5187.0	5118.0	5035.3	4897.4	4790.1
22.5°	5291.2	5265.1	5274.3	5246.8	5223.8	5234.5	5167.1	5119.6	4980.1	4917.3	4771.7
25°	5171.7	5162.5	5187.0	5183.9	5128.8	5110.4	5076.7	5026.1	4970.9	4869.8	4750.3
27.5°	4977.1	5024.6	5067.5	5087.4	5058.3	5009.2	4990.8	4961.7	4923.4	4820.8	4731.9
30°	4771.7	4825.4	4874.4	4917.3	4943.3	4921.9	4905.0	4888.2	4830.0	4762.5	4662.9
32.5°	4537.3	4607.8	4675.2	4727.3	4784.0	4800.8	4788.6	4774.8	4725.8	4664.5	4584.8
35°	4266.0	4362.6	4460.7	4554.1	4578.6	4618.5	4658.3	4635.3	4609.3	4548.0	4474.4
37.5°	4036.2	4105.2	4175.6	4293.6	4379.4	4430.0	4500.5	4509.7	4465.3	4436.1	4339.6
40°	3798.7	3861.5	3964.2	4033.1	4151.1	4209.4	4284.4	4318.1	4307.4	4290.6	4206.3
42.5°	3611.7	3642.4	3709.8	3771.1	3887.6	4007.1	4073.0	4109.8	4148.1	4134.3	4091.4
45°	3412.5	3440.1	3463.1	3516.7	3630.1	3735.9	3817.1	3872.2	3941.2	3973.4	3921.3
47.5°	3214.9	3222.5	3250.1	3294.5	3362.0	3443.2	3579.6	3662.3	3726.7	3789.5	3755.8
50°	3063.2	3035.6	3040.2	3067.8	3122.9	3202.6	3300.7	3417.1	3490.7	3567.3	3575.0
52.5°	2677.0	2900.7	2847.1	2862.4	2891.5	2929.8	3032.5	3147.4	3237.8	3303.7	3369.6
55°	2246.4	2290.9	2721.4	2660.2	2678.5	2712.3	2759.8	2874.7	2962.0	3054.0	3145.9
57.5°	1742.3	2073.3	2090.1	2488.5	2479.3	2482.4	2522.2	2588.1	2675.5	2790.4	2868.6
60°	1354.6	1494.0	1765.3	1903.2	2252.5	2264.8	2287.8	2326.1	2401.2	2510.0	2634.1
62.5°	1195.2	1213.6	1310.2	1517.0	1743.8	2018.1	2067.1	2073.3	2107.0	2215.8	2359.8
65°	1049.7	1061.9	1091.0	1112.5	1302.5	1567.6	1803.6	1841.9	1863.3	1927.7	2050.3
67.5°	723.3	914.8	940.9	956.2	974.6	1097.2	1389.8	1584.4	1609.0	1665.7	1772.9
70°	139.4	289.6	792.2	809.1	818.3	845.9	893.4	1202.9	1365.3	1419.0	1468.0
72.5°	95.0	111.9	134.8	318.7	674.2	689.6	700.3	740.1	1014.4	1170.7	1196.8
75°	69.0	76.6	90.4	111.9	137.9	449.0	556.2	576.2	596.1	822.9	954.7
77.5°	49.0	55.2	61.3	72.0	84.3	108.8	156.3	430.6	450.5	461.2	651.2
80°	27.6	33.7	41.4	47.5	53.6	61.3	79.7	99.6	222.2	324.9	341.7
82.5°	15.3	18.4	21.5	26.0	29.1	36.8	44.4	53.6	70.5	104.2	220.7
85°	7.7	7.7	7.7	10.7	12.3	16.9	19.9	23.0	32.2	44.4	61.3
87.5°	4.6	4.6	6.1	6.1	6.1	7.7	7.7	7.7	9.2	13.8	19.9
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	356°	357°	358°	359°	360°
0°	5105.8	5105.8	5105.8	5105.8	5105.8
2.5°	5125.7	5121.1	5121.1	5139.5	5134.9
5°	5116.5	5111.9	5110.4	5130.3	5121.1
7.5°	5108.8	5092.0	5087.4	5105.8	5098.1
10°	5078.2	5065.9	5073.6	5067.5	5064.4
12.5°	5026.1	5018.4	4986.3	4989.3	5015.4
15°	4932.6	4963.3	4908.1	4957.1	4967.9
17.5°	4761.0	4830.0	4883.6	4912.7	4917.3
20°	4837.6	4860.6	4833.0	4834.5	4852.9
22.5°	4738.0	4748.7	4756.4	4747.2	4787.0
25°	4578.6	4537.3	4626.2	4644.5	4708.9
27.5°	4529.6	4495.9	4537.3	4534.2	4587.8
30°	4489.8	4381.0	4399.4	4428.5	4494.4
32.5°	4433.1	4261.5	4243.1	4307.4	4381.0
35°	4333.5	4171.0	4128.1	4169.5	4279.8
37.5°	4249.2	4045.4	3959.6	4014.7	4158.8
40°	4123.5	3947.3	3814.0	3863.0	4033.1
42.5°	3973.4	3863.0	3657.7	3691.4	3886.0
45°	3821.7	3723.6	3506.0	3522.9	3754.2
47.5°	3666.9	3576.5	3348.2	3351.2	3585.7
50°	3515.2	3395.7	3207.2	3153.6	3406.4
52.5°	3317.5	3207.2	3064.7	2977.3	3236.3
55°	3130.6	3006.5	2902.3	2767.4	3043.2
57.5°	2948.2	2810.3	2739.8	2566.7	2824.1
60°	2698.5	2632.6	2528.4	2362.9	2626.4
62.5°	2442.6	2421.1	2315.4	2143.8	2382.8
65°	2143.8	2194.3	2085.5	1938.4	2130.0
67.5°	1861.8	1952.2	1832.7	1742.3	1886.3
70°	1561.5	1665.7	1598.2	1566.1	1627.4
72.5°	1265.7	1366.9	1373.0	1350.0	1369.9
75°	977.6	1089.5	1150.8	1115.5	1120.1
77.5°	741.7	795.3	862.7	890.3	884.2
80°	458.2	551.6	606.8	663.5	643.6
82.5°	231.4	309.5	377.0	438.3	409.1
85°	96.5	124.1	173.2	228.3	219.1
87.5°	29.1	49.0	52.1	73.6	69.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)