

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

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-101SL-RM-UNV-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-101SL-RM-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

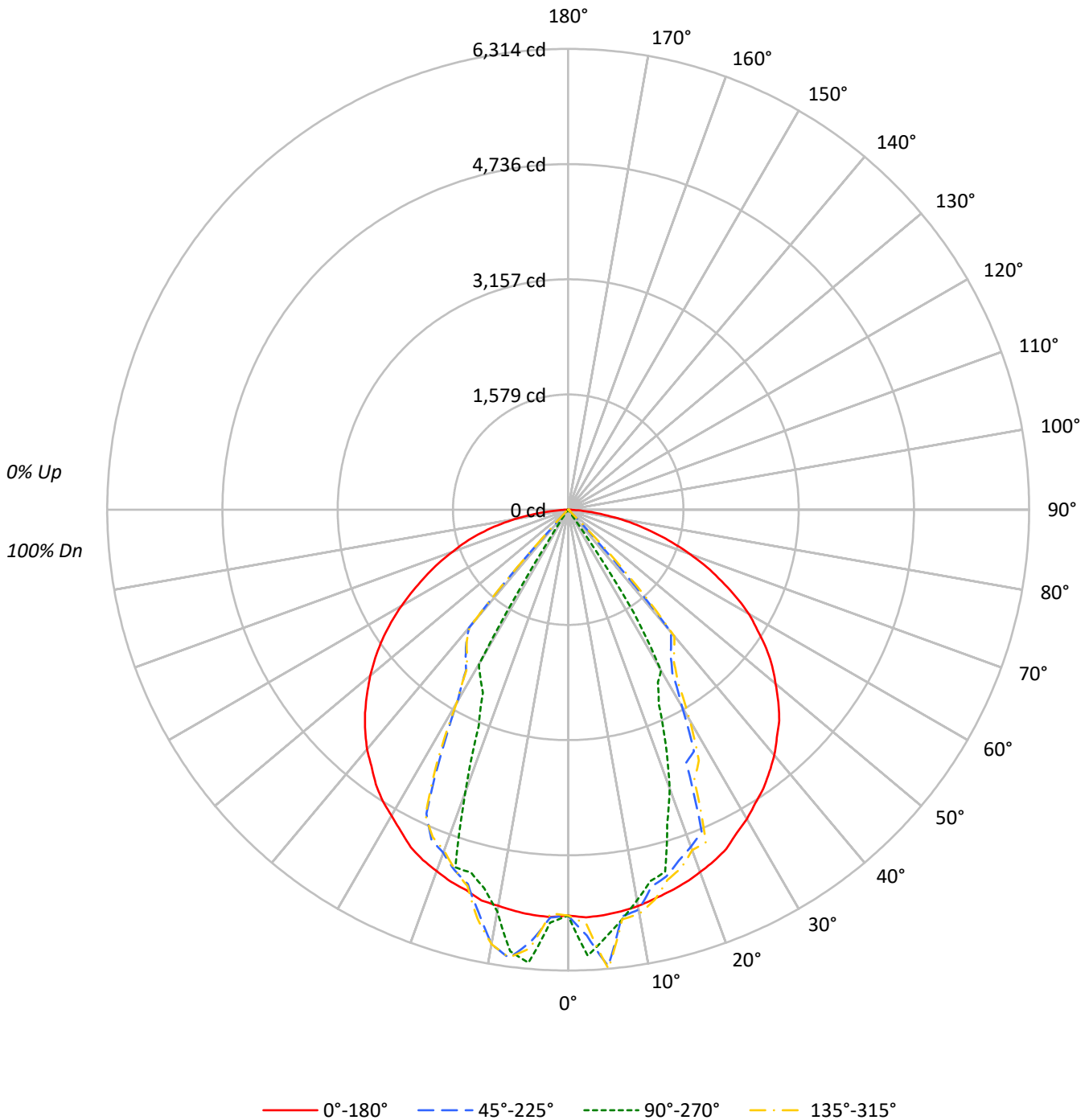
Lumens per Lamp: N/A  
Luminaire Lumens: 7905.0 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 75  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P#  
CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L930-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	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°	22463	22463	22463	22463
5°	22585	23103	22579	24465
10°	22562	20905	22549	21509
15°	22533	19513	22477	19564
20°	22592	15369	22528	15559
25°	22693	11122	22582	10496
30°	22628	9757	22388	9379
35°	22737	215	22404	261
40°	22863	47	22316	47
45°	22999	28	22135	21
50°	22888	22	21839	22
55°	22833	15	21431	15
60°	22501	16	20742	16
65°	21454	26	19926	17
70°	20071	29	19107	29
75°	17992	33	18287	33
80°	14979	37	15834	37
85°	9385	44	9582	44



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	557.8	7.1
10°-20°	1521.4	19.2
20°-30°	1935.9	24.5
30°-40°	1635.3	20.7
40°-50°	1069.1	13.5
50°-60°	673.6	8.5
60°-70°	358.6	4.5
70°-80°	130.7	1.7
80°-90°	22.5	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°	4015.1	50.8
0°-40°	5650.4	71.5
0°-60°	7393.2	93.5
0°-90°	7905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7905.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5559	5559	5559	5559	5559	
5°	5576	5883	5574	6230	5576	530
15°	5409	5134	5396	5147	5409	1529
25°	5127	2932	5102	2766	5127	2358
35°	4660	55	4592	67	4660	2915
45°	4088	7	3934	5	4088	3144
55°	3314	3	3110	3	3314	2952
65°	2319	5	2154	3	2319	2297
75°	1220	5	1240	5	1220	1295
85°	239	5	244	5	239	302
90°	0	0	0	0	0	



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	5591.1	5594.4	5596.1	5599.4	5604.4	5606.1	5609.4	5606.1	5606.1	5606.1	5606.1
5°	5576.1	5582.7	5587.8	5594.4	5606.1	5607.8	5621.1	5622.8	5629.5	5642.8	5652.8
7.5°	5551.0	5557.7	5567.7	5584.4	5601.1	5619.5	5642.8	5667.8	5702.9	5736.2	5778.0
10°	5514.3	5522.7	5534.4	5549.4	5631.1	5642.8	5694.5	5766.3	5786.3	5891.4	5969.8
12.5°	5460.9	5489.3	5519.3	5532.7	5611.1	5734.6	5908.1	5873.1	5834.7	6178.4	6173.4
15°	5409.2	5447.6	5432.6	5541.0	5612.8	5828.0	5754.6	5911.4	6198.4	6128.3	6131.7
17.5°	5354.2	5362.5	5445.9	5536.0	5664.5	5774.6	5864.7	6080.0	6136.7	6141.7	6080.0
20°	5284.1	5324.1	5445.9	5527.7	5744.6	5796.3	5991.5	6101.6	6078.3	6021.6	5916.4
22.5°	5212.3	5334.1	5457.6	5572.7	5724.6	5863.1	5959.8	6011.5	5889.7	5666.2	5546.0
25°	5127.3	5199.0	5360.8	5529.4	5719.6	5799.6	5856.4	5773.0	5614.4	5414.2	5212.3
27.5°	4995.4	5110.6	5317.5	5507.7	5679.5	5776.3	5684.5	5484.3	5229.0	5097.2	5005.5
30°	4893.7	5043.8	5214.0	5397.5	5576.1	5632.8	5399.2	5170.6	4995.4	4863.6	4843.6
32.5°	4770.2	4983.8	5145.6	5320.8	5471.0	5395.9	5169.0	4873.6	4728.5	4678.4	4698.4
35°	4660.1	4821.9	5033.8	5205.7	5314.1	5145.6	4786.9	4603.3	4533.3	4561.6	4524.9
37.5°	4528.3	4741.8	4937.0	5085.5	5048.8	4795.2	4491.6	4374.8	4383.1	4359.7	4289.7
40°	4391.4	4595.0	4798.6	4938.7	4810.2	4423.1	4221.3	4196.2	4201.2	4126.2	4026.1
42.5°	4231.3	4416.5	4620.0	4746.8	4469.9	4167.9	4031.1	4034.4	3991.0	3885.9	3832.5
45°	4087.8	4258.0	4469.9	4481.5	4141.2	3889.2	3849.2	3805.8	3709.0	3674.0	3634.0
47.5°	3904.3	4092.8	4268.0	4204.6	3819.2	3662.3	3632.3	3537.2	3488.8	3462.1	3428.7
50°	3709.0	3899.2	4059.4	3879.2	3515.5	3478.8	3380.3	3305.3	3271.9	3243.5	3213.5
52.5°	3523.8	3680.7	3844.2	3533.8	3281.9	3246.9	3135.1	3091.7	3058.3	3026.6	3020.0
55°	3313.6	3452.1	3563.9	3205.2	3058.3	2976.6	2896.5	2866.5	2834.8	2819.7	2844.8
57.5°	3075.0	3231.9	3215.2	2881.5	2816.4	2697.9	2667.9	2647.9	2624.5	2634.5	2426.0
60°	2859.8	2979.9	2898.2	2644.5	2534.4	2454.3	2427.6	2414.3	2427.6	2224.1	1955.5
62.5°	2594.5	2729.6	2564.5	2367.6	2250.8	2212.4	2189.1	2207.4	2012.2	1788.6	1723.5
65°	2319.2	2466.0	2222.4	2070.6	1997.2	1963.8	1962.1	1807.0	1615.1	1528.3	1528.3
67.5°	2053.9	2205.7	1892.1	1765.3	1736.9	1740.2	1643.5	1408.2	1354.8	1296.4	1127.9
70°	1771.9	1905.4	1563.4	1486.6	1469.9	1458.3	1223.0	1159.6	1096.2	941.0	927.7
72.5°	1491.6	1556.7	1256.4	1238.0	1234.7	1026.1	979.4	870.9	797.5	779.2	770.8
75°	1219.7	1199.6	992.7	1009.4	850.9	777.5	702.4	639.0	629.0	622.3	155.2
77.5°	962.7	862.6	782.5	680.7	609.0	517.2	502.2	492.2	323.7	116.8	95.1
80°	700.8	558.9	520.6	442.1	377.1	362.1	370.4	113.5	90.1	75.1	65.1
82.5°	445.5	357.1	292.0	255.3	248.6	108.5	80.1	65.1	56.7	48.4	40.0
85°	238.6	158.5	146.8	123.5	73.4	50.1	41.7	31.7	26.7	21.7	20.0
87.5°	75.1	63.4	51.7	41.7	25.0	16.7	13.3	11.7	10.0	8.3	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	5602.8	5606.1	5604.4	5609.4	5609.4	5616.1	5621.1	5626.1	5636.1	5641.1	5679.5
5°	5674.5	5682.9	5707.9	5731.2	5759.6	5767.9	5816.3	5828.0	5884.7	5891.4	6078.3
7.5°	5834.7	5866.4	5926.5	5986.5	6046.6	6085.0	6151.7	6193.4	6238.5	6278.5	6427.0
10°	6028.2	6081.6	6140.0	6200.1	6235.1	6308.5	6348.6	6355.3	6343.6	6278.5	6038.2
12.5°	6218.4	6271.8	6246.8	6258.5	6300.2	6170.1	6188.4	6095.0	6160.0	5838.0	5599.4
15°	6191.7	6188.4	6126.7	5926.5	5959.8	5711.2	5611.1	5534.4	5596.1	5562.7	5526.0
17.5°	6111.7	5959.8	5853.0	5612.8	5511.0	5440.9	5442.6	5444.3	5414.2	5445.9	5352.5
20°	5773.0	5602.8	5444.3	5359.2	5329.1	5279.1	5304.1	5279.1	5280.8	5290.8	5147.3
22.5°	5322.5	5270.7	5179.0	5205.7	5195.7	5240.7	5207.3	5155.6	5172.3	5097.2	4988.8
25°	5140.6	5080.5	5077.2	5087.2	5072.2	5052.2	5022.1	4943.7	4938.7	4915.4	4865.3
27.5°	4957.1	4960.4	4970.4	4940.4	4887.0	4846.9	4801.9	4763.5	4778.5	4751.8	4683.4
30°	4830.3	4828.6	4768.5	4741.8	4643.4	4645.1	4633.4	4610.0	4595.0	4596.7	4553.3
32.5°	4650.1	4598.3	4529.9	4496.6	4488.2	4458.2	4434.8	4439.8	4451.5	4409.8	4454.9
35°	4464.9	4358.1	4348.1	4319.7	4293.0	4273.0	4281.3	4248.0	4246.3	4241.3	3874.2
37.5°	4216.3	4164.5	4159.5	4129.5	4111.1	4106.1	4074.4	4079.4	4094.5	4121.2	3303.6
40°	4011.0	3964.3	3952.6	3951.0	3910.9	3907.6	3915.9	3947.6	3969.3	3802.5	3148.4
42.5°	3790.8	3794.1	3757.4	3734.1	3739.1	3754.1	3794.1	3684.0	3191.8	3041.6	2878.1
45°	3602.3	3585.6	3565.5	3558.9	3602.3	3572.2	3131.7	2889.8	2831.4	2824.7	2365.9
47.5°	3405.4	3400.4	3392.0	3397.0	3150.1	2808.1	2707.9	2676.2	2686.3	2679.6	2032.2
50°	3206.8	3213.5	3213.5	2806.4	2576.1	2519.4	2527.8	2556.1	2379.3	2220.8	1893.7
52.5°	3035.0	2983.2	2556.1	2409.3	2357.6	2382.6	2322.5	2100.6	1940.4	1847.0	1751.9
55°	2716.3	2335.9	2240.8	2217.4	2235.8	2013.9	1877.0	1733.6	1691.8	1681.8	1626.8
57.5°	2137.3	2060.6	2068.9	1975.5	1763.6	1638.5	1583.4	1563.4	1545.0	1531.7	133.5
60°	1890.4	1912.1	1750.2	1550.0	1464.9	1448.2	1434.9	1416.5	1413.2	1389.8	85.1
62.5°	1730.2	1521.7	1381.5	1331.4	1311.4	1306.4	1281.4	1273.1	1081.2	148.5	63.4
65°	1304.8	1219.7	1193.0	1181.3	1159.6	1159.6	962.7	151.8	123.5	106.8	56.7
67.5°	1064.5	1057.8	1044.5	1029.5	700.8	146.8	128.5	111.8	96.8	85.1	50.1
70°	901.0	897.6	817.6	150.2	125.1	110.1	96.8	86.8	80.1	71.7	45.0
72.5°	739.1	150.2	126.8	110.1	95.1	86.8	78.4	70.1	63.4	58.4	36.7
75°	115.1	101.8	90.1	81.8	75.1	66.7	60.1	55.1	53.4	46.7	25.0
77.5°	83.4	71.7	65.1	58.4	51.7	46.7	40.0	35.0	31.7	26.7	18.4
80°	58.4	51.7	46.7	38.4	33.4	28.4	25.0	21.7	20.0	16.7	8.3
82.5°	33.4	28.4	25.0	20.0	18.4	15.0	13.3	11.7	11.7	8.3	8.3
85°	15.0	15.0	11.7	10.0	8.3	8.3	8.3	6.7	6.7	5.0	5.0
87.5°	6.7	6.7	6.7	6.7	6.7	5.0	5.0	5.0	5.0	5.0	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	5732.9	5754.6	5796.3	5839.7	5791.3	5964.8	5951.5	6009.9	6041.6	6056.6	6091.6
5°	6243.5	6340.2	6371.9	6276.8	6221.8	6165.0	6036.6	5939.8	5951.5	5919.8	5804.7
7.5°	6233.5	6026.6	5747.9	5621.1	5611.1	5596.1	5636.1	5659.5	5662.8	5661.2	5657.8
10°	5706.2	5599.4	5581.1	5564.4	5571.1	5509.3	5481.0	5400.9	5444.3	5420.9	5429.2
12.5°	5546.0	5521.0	5422.6	5285.8	5367.5	5305.8	5270.7	5294.1	5267.4	5242.4	5234.0
15°	5450.9	5289.1	5234.0	5200.7	5177.3	5164.0	5175.6	5148.9	5140.6	5135.6	5147.3
17.5°	5254.1	5189.0	5128.9	5040.5	5042.2	5037.2	5070.5	5120.6	5123.9	4867.0	4635.0
20°	5098.9	5045.5	4968.7	4913.7	4988.8	4855.3	4339.7	4094.5	4056.1	4056.1	4062.8
22.5°	4975.4	4857.0	4862.0	4775.2	4072.8	3929.3	3932.6	3947.6	3879.2	3645.6	3620.6
25°	4806.9	4788.5	4423.1	3822.5	3827.5	3715.7	3543.9	3301.9	3040.0	3040.0	2996.6
27.5°	4680.1	4291.3	3757.4	3732.4	3357.0	3120.1	2973.2	2751.3	2721.3	2692.9	2696.3
30°	4571.6	3630.6	3644.0	3120.1	2843.1	2646.2	2634.5	2597.8	2579.5	2574.5	2556.1
32.5°	3613.9	3535.5	3050.0	2656.2	2547.8	2516.1	2501.1	2459.3	2457.7	2426.0	2205.7
35°	3388.7	3103.4	2552.8	2446.0	2414.3	2384.3	2359.2	1583.4	186.9	75.1	65.1
37.5°	3131.7	2592.8	2360.9	2312.5	2282.5	1686.8	168.5	58.4	41.7	30.0	26.7
40°	2654.6	2315.9	2242.4	2189.1	902.6	58.4	36.7	28.4	16.7	15.0	13.3
42.5°	2239.1	2182.4	2104.0	640.7	66.7	28.4	18.4	13.3	11.7	11.7	10.0
45°	2095.6	2045.6	847.6	63.4	41.7	13.3	11.7	11.7	10.0	6.7	6.7
47.5°	1962.1	1726.9	76.8	40.0	26.7	11.7	10.0	6.7	6.7	6.7	5.0
50°	1820.3	95.1	53.4	30.0	16.7	6.7	6.7	6.7	6.7	5.0	5.0
52.5°	340.4	66.7	43.4	26.7	8.3	6.7	6.7	6.7	5.0	5.0	5.0
55°	80.1	53.4	40.0	23.4	6.7	6.7	6.7	5.0	5.0	5.0	3.3
57.5°	60.1	40.0	31.7	21.7	6.7	5.0	5.0	5.0	5.0	5.0	3.3
60°	50.1	28.4	25.0	20.0	5.0	5.0	5.0	5.0	5.0	5.0	3.3
62.5°	35.0	23.4	18.4	15.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
65°	28.4	18.4	15.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
67.5°	25.0	15.0	10.0	3.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0
70°	20.0	5.0	5.0	3.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0
72.5°	16.7	5.0	3.3	3.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0
75°	16.7	8.3	3.3	3.3	5.0	5.0	6.7	6.7	5.0	5.0	5.0
77.5°	11.7	8.3	3.3	3.3	5.0	5.0	6.7	6.7	5.0	5.0	5.0
80°	6.7	8.3	3.3	5.0	5.0	10.0	11.7	6.7	5.0	5.0	5.0
82.5°	6.7	8.3	10.0	10.0	5.0	8.3	10.0	8.3	6.7	5.0	5.0
85°	6.7	5.0	6.7	8.3	5.0	8.3	8.3	6.7	6.7	5.0	5.0
87.5°	3.3	5.0	5.0	6.7	6.7	6.7	8.3	6.7	6.7	6.7	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	6108.3	6115.0	6009.9	5973.2	6004.9	5998.2	5969.8	5864.7	5853.0	5783.0	5681.2
5°	5838.0	5883.1	5828.0	5923.1	5878.1	5923.1	6059.9	6123.3	6226.8	6290.2	6313.5
7.5°	5649.5	5659.5	5659.5	5667.8	5676.2	5677.8	5667.8	5661.2	5632.8	5597.8	5661.2
10°	5420.9	5432.6	5452.6	5449.3	5447.6	5482.6	5491.0	5562.7	5559.4	5572.7	5621.1
12.5°	5302.4	5212.3	5294.1	5272.4	5302.4	5255.7	5342.5	5327.5	5332.5	5372.5	5476.0
15°	5105.6	5133.9	5153.9	5153.9	5165.6	5155.6	5145.6	5214.0	5255.7	5257.4	5250.7
17.5°	4726.8	4511.6	4731.8	4675.1	5127.3	5138.9	5100.6	5068.9	5068.9	5093.9	5147.3
20°	4057.8	4062.8	4064.4	4086.1	4112.8	4111.1	4112.8	4770.2	5082.2	5010.5	4962.1
22.5°	3557.2	3495.5	3610.6	3602.3	3745.7	3904.3	4056.1	4041.1	4051.1	4514.9	4932.0
25°	2851.4	2931.5	2866.5	2894.8	3056.7	3245.2	3362.0	3667.3	3999.4	3976.0	4084.4
27.5°	2684.6	2662.9	2692.9	2692.9	2714.6	2739.7	2804.7	2976.6	3271.9	3582.2	3875.9
30°	2526.1	2544.4	2547.8	2577.8	2594.5	2611.2	2621.2	2686.3	2753.0	2968.2	3330.3
32.5°	1897.1	1663.5	2189.1	2330.9	2451.0	2479.4	2499.4	2526.1	2574.5	2606.2	2788.0
35°	55.1	55.1	58.4	66.7	85.1	574.0	2185.7	2409.3	2441.0	2481.0	2514.4
37.5°	26.7	20.0	23.4	25.0	30.0	41.7	60.1	186.9	2080.6	2352.6	2389.3
40°	11.7	11.7	11.7	11.7	13.3	16.7	25.0	41.7	63.4	1673.5	2257.5
42.5°	10.0	10.0	10.0	10.0	10.0	10.0	11.7	15.0	30.0	71.7	1184.6
45°	6.7	6.7	5.0	6.7	6.7	8.3	10.0	10.0	13.3	45.0	81.8
47.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	8.3	10.0	30.0	43.4
50°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	23.4	30.0
52.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	10.0	26.7
55°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.0	5.0	6.7	23.4
57.5°	3.3	3.3	3.3	3.3	3.3	5.0	3.3	3.3	5.0	5.0	21.7
60°	3.3	3.3	3.3	3.3	3.3	5.0	5.0	5.0	5.0	5.0	20.0
62.5°	5.0	5.0	3.3	5.0	3.3	3.3	5.0	5.0	5.0	5.0	13.3
65°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.3	5.0
67.5°	5.0	5.0	5.0	5.0	3.3	5.0	3.3	5.0	5.0	3.3	3.3
70°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.3	3.3	3.3	3.3
72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.3	3.3	3.3	3.3
75°	5.0	5.0	5.0	5.0	5.0	5.0	6.7	6.7	3.3	3.3	3.3
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	8.3	10.0	8.3	8.3	3.3
80°	5.0	5.0	5.0	5.0	5.0	5.0	8.3	8.3	8.3	8.3	11.7
82.5°	5.0	5.0	5.0	5.0	5.0	5.0	6.7	6.7	6.7	6.7	8.3
85°	5.0	5.0	5.0	5.0	5.0	5.0	6.7	6.7	6.7	5.0	6.7
87.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.7	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	5689.5	5632.8	5614.4	5576.1	5572.7	5576.1	5567.7	5556.1	5562.7	5551.0	5541.0
5°	6326.9	6175.1	6076.6	5944.8	5762.9	5722.9	5712.9	5656.2	5636.1	5629.5	5602.8
7.5°	5811.3	6088.3	6255.1	6311.9	6098.3	6048.3	5989.9	5943.1	5898.1	5813.0	5761.3
10°	5582.7	5596.1	5756.3	5943.1	6246.8	6288.5	6320.2	6218.4	6190.1	5973.2	5926.5
12.5°	5529.4	5531.0	5549.4	5662.8	5901.4	5928.1	6039.9	6100.0	6173.4	6215.1	6181.7
15°	5285.8	5420.9	5521.0	5531.0	5552.7	5599.4	5632.8	5841.4	5929.8	6166.7	6153.4
17.5°	5172.3	5215.7	5360.8	5479.3	5459.3	5442.6	5469.3	5497.7	5582.7	5819.7	5816.3
20°	4983.8	5122.2	5200.7	5324.1	5435.9	5440.9	5410.9	5394.2	5360.8	5399.2	5434.3
22.5°	4903.7	4925.4	5072.2	5159.0	5285.8	5330.8	5337.5	5339.1	5320.8	5300.8	5290.8
25°	4895.3	4826.9	4902.0	5010.5	5103.9	5152.3	5207.3	5225.7	5219.0	5219.0	5209.0
27.5°	4006.0	4805.2	4765.2	4836.9	4950.4	4983.8	5012.1	5068.9	5103.9	5128.9	5140.6
30°	3815.8	3959.3	4658.4	4668.4	4783.5	4780.2	4811.9	4858.6	4903.7	4962.1	4977.1
32.5°	3375.3	3727.4	4264.6	4499.9	4620.0	4631.7	4648.4	4661.7	4703.5	4768.5	4825.3
35°	2704.6	3395.4	3654.0	4419.8	4441.5	4464.9	4474.9	4506.6	4519.9	4546.6	4596.7
37.5°	2447.7	2806.4	3505.5	3822.5	4236.3	4256.3	4309.7	4323.0	4344.7	4366.4	4404.8
40°	2299.2	2397.6	2918.2	3413.7	4071.1	4084.4	4102.8	4136.2	4137.8	4162.9	4197.9
42.5°	2180.7	2244.1	2395.9	3260.2	3954.3	3952.6	3909.3	3930.9	3941.0	3967.7	4016.0
45°	1741.9	2105.6	2202.4	2662.9	3148.4	3375.3	3810.8	3739.1	3737.4	3747.4	3799.1
47.5°	88.4	1980.5	2048.9	2197.4	2973.2	2981.6	3038.3	3515.5	3588.9	3565.5	3570.6
50°	60.1	136.8	1908.7	1977.2	2562.8	2769.7	2811.4	2833.1	3108.4	3415.4	3365.3
52.5°	46.7	78.4	1169.6	1835.3	2082.3	2234.1	2502.7	2656.2	2672.9	2796.4	3215.2
55°	41.7	60.1	126.8	1693.5	1770.3	1803.6	1960.5	2229.1	2446.0	2511.1	2516.1
57.5°	36.7	55.1	86.8	765.8	1610.1	1616.8	1643.5	1736.9	1932.1	2110.6	2312.5
60°	33.4	48.4	68.4	131.8	1463.3	1479.9	1485.0	1510.0	1533.3	1655.1	1887.1
62.5°	20.0	38.4	60.1	95.1	1157.9	1329.8	1328.1	1344.8	1366.5	1379.8	1426.6
65°	16.7	30.0	51.7	80.1	141.8	176.9	1074.5	1194.6	1208.0	1226.3	1234.7
67.5°	15.0	26.7	38.4	63.4	106.8	121.8	140.2	173.5	947.7	1067.8	1084.5
70°	13.3	18.4	31.7	53.4	86.8	93.4	105.1	120.1	141.8	175.2	857.6
72.5°	8.3	13.3	21.7	38.4	66.7	75.1	81.8	91.8	101.8	121.8	140.2
75°	3.3	10.0	18.4	28.4	51.7	56.7	61.7	68.4	76.8	90.1	100.1
77.5°	3.3	8.3	15.0	20.0	33.4	38.4	45.0	50.1	56.7	63.4	73.4
80°	11.7	6.7	10.0	15.0	23.4	25.0	28.4	31.7	36.7	41.7	48.4
82.5°	8.3	10.0	11.7	10.0	11.7	15.0	16.7	20.0	21.7	25.0	26.7
85°	6.7	6.7	8.3	8.3	8.3	8.3	8.3	8.3	10.0	11.7	15.0
87.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.7	6.7
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-LD5-101SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	5541.0	5537.7	5527.7	5527.7	5526.0	5532.7	5537.7	5542.7	5541.0	5551.0	5541.0
5°	5582.7	5574.4	5559.4	5546.0	5541.0	5544.4	5539.4	5544.4	5537.7	5546.0	5531.0
7.5°	5697.9	5669.5	5611.1	5587.8	5557.7	5556.1	5541.0	5537.7	5527.7	5527.7	5509.3
10°	5901.4	5764.6	5747.9	5677.8	5652.8	5531.0	5557.7	5512.7	5507.7	5486.0	5477.6
12.5°	6068.3	5961.5	5929.8	5868.1	5798.0	5551.0	5606.1	5509.3	5504.3	5460.9	5415.9
15°	6071.6	6133.3	6046.6	5876.4	5861.4	5691.2	5579.4	5546.0	5502.7	5372.5	5394.2
17.5°	5876.4	6018.2	6059.9	6023.2	5916.4	5801.3	5644.5	5577.7	5447.6	5389.2	5349.2
20°	5559.4	5702.9	5881.4	5893.1	5959.8	5878.1	5672.8	5564.4	5407.6	5305.8	5272.4
22.5°	5307.4	5412.6	5617.8	5712.9	5794.6	5823.0	5692.9	5532.7	5337.5	5239.0	5219.0
25°	5174.0	5197.3	5259.1	5370.8	5551.0	5681.2	5699.5	5529.4	5427.6	5212.3	5098.9
27.5°	5125.6	5105.6	5080.5	5137.3	5272.4	5430.9	5536.0	5564.4	5310.8	5105.6	4992.1
30°	5002.1	5013.8	4975.4	4955.4	5043.8	5207.3	5394.2	5440.9	5245.7	5033.8	4903.7
32.5°	4850.3	4870.3	4877.0	4841.9	4823.6	4937.0	5138.9	5250.7	5240.7	4932.0	4786.9
35°	4660.1	4716.8	4731.8	4733.5	4703.5	4685.1	4801.9	5033.8	5122.2	4885.3	4675.1
37.5°	4459.9	4476.5	4558.3	4580.0	4580.0	4524.9	4611.7	4796.9	4920.4	4780.2	4538.3
40°	4209.6	4263.0	4339.7	4378.1	4416.5	4421.5	4373.1	4503.2	4706.8	4671.8	4409.8
42.5°	4027.7	4062.8	4109.5	4161.2	4239.6	4259.6	4209.6	4232.9	4444.8	4536.6	4243.0
45°	3815.8	3862.5	3875.9	3932.6	4014.4	4072.8	4071.1	4022.7	4192.9	4306.4	4121.2
47.5°	3598.9	3644.0	3667.3	3695.7	3755.8	3830.8	3872.6	3850.9	3884.2	4106.1	3959.3
50°	3375.3	3400.4	3447.1	3478.8	3518.8	3562.2	3662.3	3682.3	3635.6	3812.5	3780.8
52.5°	3163.4	3171.8	3203.5	3235.2	3288.6	3320.3	3400.4	3460.4	3457.1	3508.8	3582.2
55°	2998.3	2961.6	2968.2	2993.3	3028.3	3076.7	3121.7	3215.2	3246.9	3256.9	3373.7
57.5°	2342.6	2719.6	2753.0	2751.3	2793.0	2814.7	2856.4	2918.2	3031.6	3006.6	3136.7
60°	2129.0	2170.7	2486.0	2522.7	2537.8	2557.8	2607.8	2664.6	2748.0	2801.4	2858.1
62.5°	1623.4	1877.0	1972.1	2250.8	2294.2	2305.8	2339.2	2365.9	2452.7	2574.5	2551.1
65°	1256.4	1364.8	1655.1	1768.6	2005.5	2035.5	2082.3	2110.6	2135.7	2275.8	2282.5
67.5°	1086.2	1102.9	1181.3	1399.9	1550.0	1781.9	1810.3	1835.3	1873.7	1973.8	2035.5
70°	927.7	947.7	969.4	987.7	1183.0	1336.5	1551.7	1560.0	1585.1	1651.8	1792.0
72.5°	175.2	792.5	805.9	817.6	839.2	941.0	1146.2	1313.1	1323.1	1354.8	1483.3
75°	118.5	138.5	190.2	654.0	675.7	682.4	717.4	926.0	1079.5	1086.2	1142.9
77.5°	85.1	95.1	115.1	136.8	348.7	523.9	532.2	570.6	729.1	844.3	854.3
80°	58.4	65.1	76.8	86.8	106.8	140.2	387.1	398.8	418.8	577.3	607.3
82.5°	33.4	38.4	45.0	55.1	63.4	80.1	103.4	133.5	272.0	290.3	385.4
85°	16.7	18.4	21.7	26.7	31.7	38.4	51.7	63.4	86.8	156.8	161.8
87.5°	8.3	8.3	8.3	8.3	13.3	15.0	18.4	23.4	30.0	45.0	58.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	5542.7	5566.1	5586.1	5591.1	5591.1	5594.4	5599.4	5602.8	5606.1	5609.4	5606.1
5°	5532.7	5557.7	5574.4	5579.4	5579.4	5589.4	5597.8	5607.8	5612.8	5612.8	5609.4
7.5°	5507.7	5526.0	5547.7	5561.1	5562.7	5579.4	5594.4	5592.8	5599.4	5602.8	5611.1
10°	5474.3	5474.3	5511.0	5521.0	5529.4	5547.7	5552.7	5562.7	5586.1	5589.4	5611.1
12.5°	5457.6	5440.9	5484.3	5489.3	5517.7	5494.3	5524.3	5534.4	5511.0	5542.7	5501.0
15°	5382.5	5402.5	5395.9	5410.9	5460.9	5434.3	5516.0	5489.3	5549.4	5477.6	5604.4
17.5°	5320.8	5317.5	5344.2	5357.5	5367.5	5424.2	5445.9	5476.0	5499.3	5479.3	5529.4
20°	5275.7	5249.0	5269.1	5284.1	5319.1	5362.5	5375.9	5330.8	5409.2	5542.7	5574.4
22.5°	5190.7	5172.3	5195.7	5195.7	5249.0	5242.4	5292.4	5264.1	5337.5	5492.6	5654.5
25°	5075.5	5077.2	5102.2	5132.3	5142.3	5217.3	5244.0	5280.8	5372.5	5557.7	5656.2
27.5°	4958.7	4948.7	4963.7	5025.5	5077.2	5132.3	5140.6	5265.7	5390.9	5517.7	5604.4
30°	4841.9	4831.9	4841.9	4887.0	4948.7	4985.4	5077.2	5244.0	5360.8	5447.6	5529.4
32.5°	4716.8	4706.8	4730.2	4763.5	4872.0	4877.0	5058.8	5215.7	5307.4	5370.8	5355.8
35°	4583.3	4570.0	4591.7	4643.4	4743.5	4780.2	4970.4	5087.2	5190.7	5220.7	5150.6
37.5°	4423.1	4399.8	4426.5	4498.2	4603.3	4710.1	4868.6	5003.8	5058.8	4978.8	4895.3
40°	4256.3	4239.6	4286.3	4323.0	4446.5	4595.0	4776.9	4872.0	4836.9	4745.2	4653.4
42.5°	4107.8	4072.8	4114.5	4184.6	4324.7	4493.2	4640.1	4693.4	4610.0	4474.9	4368.1
45°	3925.9	3884.2	3934.3	4027.7	4177.9	4369.8	4484.9	4466.5	4324.7	4207.9	4061.1
47.5°	3735.7	3685.7	3735.7	3847.5	4016.0	4219.6	4303.0	4219.6	4041.1	3894.2	3775.8
50°	3548.9	3490.5	3538.9	3707.4	3872.6	4029.4	4027.7	3865.9	3759.1	3598.9	3495.5
52.5°	3363.7	3280.2	3328.6	3512.2	3677.3	3855.9	3724.1	3573.9	3445.4	3305.3	3271.9
55°	3135.1	3045.0	3110.1	3377.0	3503.8	3608.9	3398.7	3266.9	3140.1	3070.0	3028.3
57.5°	2918.2	2819.7	2876.5	3191.8	3285.2	3311.9	3118.4	2931.5	2856.4	2833.1	2773.0
60°	2694.6	2582.8	2636.2	2999.9	3065.0	2956.6	2766.3	2621.2	2606.2	2559.5	2512.7
62.5°	2481.0	2357.6	2390.9	2761.3	2791.4	2594.5	2419.3	2380.9	2344.2	2297.5	2272.5
65°	2235.8	2107.3	2154.0	2507.7	2479.4	2225.8	2127.3	2119.0	2070.6	2032.2	2068.9
67.5°	2010.5	1858.7	1923.8	2230.8	2102.3	1895.4	1855.4	1835.3	1797.0	1818.6	1433.2
70°	1763.6	1598.4	1686.8	1932.1	1741.9	1605.1	1590.1	1560.0	1561.7	1241.4	1046.1
72.5°	1488.3	1344.8	1473.3	1605.1	1378.2	1338.1	1316.4	1313.1	1059.5	860.9	812.6
75°	1246.4	1101.2	1239.7	1289.7	1097.9	1071.2	1069.5	884.3	695.8	664.1	649.0
77.5°	972.7	860.9	992.7	917.7	842.6	812.6	729.1	547.3	523.9	502.2	188.5
80°	655.7	664.1	740.8	632.4	600.7	512.2	403.8	387.1	333.7	133.5	105.1
82.5°	398.8	500.5	472.2	395.4	387.1	278.6	255.3	130.1	96.8	76.8	66.7
85°	206.9	253.6	243.6	215.2	160.2	143.5	80.1	61.7	50.1	38.4	31.7
87.5°	70.1	93.4	90.1	71.7	55.1	43.4	28.4	23.4	16.7	13.3	11.7
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-LD5-101SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	5602.8	5602.8	5599.4	5602.8	5604.4	5601.1	5601.1	5604.4	5606.1	5607.8	5616.1
5°	5611.1	5614.4	5619.5	5629.5	5631.1	5651.2	5659.5	5664.5	5669.5	5671.2	5659.5
7.5°	5629.5	5641.1	5651.2	5649.5	5637.8	5606.1	5596.1	5587.8	5602.8	5641.1	5686.2
10°	5646.1	5592.8	5492.6	5629.5	5587.8	5626.1	5739.6	5764.6	5841.4	5949.8	5981.5
12.5°	5531.0	5677.8	5709.6	5556.1	5839.7	5734.6	5859.7	5969.8	6001.5	6111.7	6044.9
15°	5654.5	5726.2	5774.6	5928.1	5911.4	6001.5	6036.6	6014.9	6019.9	6048.3	6123.3
17.5°	5652.8	5796.3	5828.0	5931.5	6001.5	6003.2	5993.2	5983.2	6009.9	6031.6	5986.5
20°	5749.6	5796.3	5858.0	5899.8	5913.1	5929.8	5961.5	5936.5	5886.4	5838.0	5818.0
22.5°	5701.2	5806.3	5859.7	5866.4	5858.0	5806.3	5759.6	5689.5	5666.2	5641.1	5649.5
25°	5711.2	5759.6	5752.9	5726.2	5691.2	5594.4	5571.1	5541.0	5496.0	5387.5	5289.1
27.5°	5639.5	5614.4	5584.4	5519.3	5455.9	5404.2	5345.8	5249.0	5169.0	5052.2	5008.8
30°	5519.3	5419.2	5345.8	5307.4	5245.7	5159.0	5070.5	4952.1	4850.3	4826.9	4805.2
32.5°	5289.1	5190.7	5130.6	5037.2	4932.0	4828.6	4726.8	4680.1	4658.4	4661.7	4641.7
35°	5053.8	4967.1	4877.0	4736.8	4658.4	4555.0	4518.3	4508.2	4488.2	4466.5	4443.2
37.5°	4803.6	4701.8	4566.6	4483.2	4404.8	4363.1	4344.7	4329.7	4294.7	4256.3	4229.6
40°	4561.6	4378.1	4303.0	4221.3	4197.9	4179.6	4152.9	4116.1	4067.8	4061.1	4049.4
42.5°	4237.9	4106.1	4041.1	4024.4	3996.0	3964.3	3941.0	3900.9	3880.9	3894.2	3904.3
45°	3930.9	3864.2	3842.5	3822.5	3769.1	3724.1	3709.0	3695.7	3712.4	3785.8	3610.6
47.5°	3682.3	3655.6	3629.0	3595.6	3545.5	3512.2	3527.2	3540.5	3555.5	3016.6	2753.0
50°	3467.1	3430.4	3388.7	3352.0	3322.0	3318.6	3397.0	3161.8	2647.9	2634.5	2367.6
52.5°	3231.9	3176.8	3151.8	3130.1	3143.4	3193.5	2642.9	2452.7	2352.6	2043.9	1907.1
55°	2978.2	2929.9	2929.9	2949.9	2878.1	2332.5	2304.2	1992.2	1803.6	1750.2	1728.5
57.5°	2724.6	2719.6	2748.0	2512.7	2117.3	2030.5	1706.9	1638.5	1608.4	1601.7	1566.7
60°	2492.7	2539.4	2125.6	1955.5	1700.2	1533.3	1486.6	1478.3	1446.6	1434.9	1403.2
62.5°	2307.5	1913.8	1781.9	1454.9	1369.8	1348.1	1323.1	1311.4	1283.1	1132.9	332.0
65°	1666.8	1575.0	1278.1	1223.0	1216.3	1184.6	1174.6	1056.2	248.6	166.8	141.8
67.5°	1258.0	1116.2	1077.8	1067.8	1036.1	972.7	288.6	165.2	141.8	123.5	108.5
70°	966.1	941.0	912.7	889.3	262.0	163.5	141.8	120.1	103.4	91.8	83.4
72.5°	790.9	774.2	450.5	171.9	140.2	118.5	105.1	91.8	80.1	73.4	66.7
75°	619.0	171.9	141.8	118.5	101.8	86.8	76.8	68.4	61.7	56.7	51.7
77.5°	140.2	113.5	96.8	81.8	73.4	65.1	58.4	50.1	45.0	40.0	33.4
80°	86.8	75.1	63.4	58.4	50.1	41.7	36.7	33.4	26.7	25.0	21.7
82.5°	56.7	45.0	40.0	33.4	26.7	25.0	21.7	16.7	15.0	13.3	11.7
85°	25.0	21.7	18.4	15.0	11.7	10.0	8.3	6.7	6.7	6.7	6.7
87.5°	8.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	5619.5	5649.5	5677.8	5669.5	5639.5	5592.8	5579.4	5561.1	5574.4	5602.8	5614.4
5°	5659.5	5642.8	5702.9	5791.3	5934.8	5948.1	6048.3	6071.6	6151.7	6201.8	6200.1
7.5°	5716.2	5953.1	6051.6	6158.4	6206.8	6195.1	6210.1	6198.4	6180.1	6171.7	6161.7
10°	6004.9	6185.1	6221.8	6221.8	6146.7	6044.9	6001.5	5926.5	5776.3	5779.6	5754.6
12.5°	6173.4	6236.8	6150.0	6076.6	5774.6	5657.8	5531.0	5471.0	5435.9	5382.5	5402.5
15°	6085.0	5994.9	5943.1	5706.2	5521.0	5310.8	5314.1	5277.4	5239.0	5242.4	5217.3
17.5°	5954.8	5883.1	5516.0	5352.5	5262.4	5180.6	5165.6	5117.2	5092.2	5083.9	5082.2
20°	5776.3	5517.7	5244.0	5204.0	5095.5	5002.1	4987.1	5002.1	5078.9	4942.0	4478.2
22.5°	5567.7	5195.7	5115.6	5002.1	4928.7	4892.0	4983.8	4566.6	3936.0	4012.7	3930.9
25°	5214.0	5052.2	4915.4	4828.6	4820.2	4595.0	3829.2	3749.1	3343.6	3126.7	2883.1
27.5°	4955.4	4885.3	4741.8	4726.8	4618.4	3757.4	3358.7	2918.2	2756.3	2731.3	2677.9
30°	4798.6	4698.4	4611.7	4232.9	3685.7	3025.0	2694.6	2632.9	2604.5	2574.5	2527.8
32.5°	4610.0	4514.9	4556.6	3558.9	2938.2	2604.5	2537.8	2492.7	2441.0	2421.0	2252.5
35°	4418.1	4374.8	3560.5	2991.6	2526.1	2446.0	2395.9	2349.2	1868.7	452.2	153.5
37.5°	4212.9	4202.9	3200.2	2482.7	2365.9	2290.8	2149.0	443.8	105.1	71.7	53.4
40°	4052.7	3201.8	2529.4	2327.5	2232.4	2114.0	297.0	73.4	46.7	28.4	18.4
42.5°	3946.0	2879.8	2264.1	2184.0	1977.2	218.6	75.1	31.7	18.4	15.0	11.7
45°	3041.6	2274.1	2115.6	2032.2	250.3	75.1	43.4	15.0	11.7	10.0	6.7
47.5°	2806.4	2065.6	1972.1	443.8	83.4	40.0	30.0	10.0	6.7	6.7	6.7
50°	2125.6	1908.7	1570.0	108.5	53.4	28.4	21.7	6.7	6.7	6.7	5.0
52.5°	1863.7	1761.9	168.5	71.7	41.7	21.7	13.3	5.0	5.0	5.0	5.0
55°	1703.5	1117.9	100.1	55.1	35.0	20.0	8.3	5.0	5.0	5.0	3.3
57.5°	1558.4	150.2	73.4	46.7	31.7	18.4	5.0	5.0	5.0	5.0	3.3
60°	1321.4	108.5	60.1	41.7	30.0	16.7	5.0	5.0	5.0	5.0	5.0
62.5°	171.9	85.1	51.7	36.7	21.7	13.3	3.3	5.0	5.0	5.0	5.0
65°	125.1	66.7	46.7	25.0	13.3	5.0	3.3	5.0	5.0	5.0	5.0
67.5°	96.8	55.1	35.0	21.7	11.7	3.3	3.3	5.0	5.0	5.0	5.0
70°	76.8	46.7	28.4	18.4	10.0	3.3	3.3	5.0	5.0	5.0	5.0
72.5°	60.1	33.4	20.0	10.0	6.7	3.3	3.3	5.0	5.0	5.0	5.0
75°	45.0	26.7	15.0	8.3	3.3	3.3	3.3	5.0	5.0	5.0	5.0
77.5°	30.0	16.7	11.7	6.7	6.7	6.7	8.3	8.3	5.0	5.0	5.0
80°	20.0	11.7	8.3	8.3	8.3	6.7	8.3	8.3	5.0	8.3	5.0
82.5°	10.0	8.3	8.3	6.7	6.7	5.0	6.7	6.7	6.7	6.7	5.0
85°	6.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.7	6.7	5.0
87.5°	3.3	3.3	3.3	3.3	5.0	5.0	5.0	5.0	6.7	6.7	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	5599.4	5604.4	5591.1	5662.8	5626.1	5629.5	5644.5	5606.1	5614.4	5587.8	5569.4
5°	6206.8	6216.8	6226.8	6230.1	6236.8	6245.1	6235.1	6230.1	6220.1	6186.7	6151.7
7.5°	6111.7	6100.0	6095.0	6101.6	6113.3	6118.3	6110.0	6121.7	6165.0	6183.4	6195.1
10°	5611.1	5557.7	5594.4	5589.4	5547.7	5687.9	5649.5	5671.2	5686.2	5839.7	5933.1
12.5°	5372.5	5405.9	5342.5	5310.8	5352.5	5380.9	5409.2	5349.2	5432.6	5394.2	5517.7
15°	5172.3	5152.3	5145.6	5147.3	5138.9	5179.0	5189.0	5202.3	5214.0	5265.7	5285.8
17.5°	5082.2	5115.6	5128.9	5138.9	5122.2	5103.9	5085.5	5058.8	5067.2	5053.8	5092.2
20°	4166.2	4054.4	4047.7	4112.8	4041.1	4081.1	4177.9	4825.3	4803.6	5055.5	4970.4
22.5°	3477.1	3372.0	3281.9	3203.5	3315.3	3362.0	3542.2	3745.7	4076.1	4024.4	4383.1
25°	2839.8	2801.4	2778.0	2766.3	2774.7	2771.4	2811.4	2906.5	3056.7	3410.4	3867.5
27.5°	2656.2	2637.9	2629.5	2602.8	2622.9	2616.2	2647.9	2667.9	2713.0	2748.0	2896.5
30°	2511.1	2489.4	2474.4	2446.0	2466.0	2467.7	2477.7	2529.4	2547.8	2577.8	2624.5
32.5°	917.7	540.6	507.2	482.2	527.2	687.4	1206.3	2109.0	2406.0	2429.3	2482.7
35°	90.1	75.1	66.7	66.7	68.4	75.1	100.1	263.6	482.2	1863.7	2332.5
37.5°	35.0	30.0	25.0	23.4	25.0	28.4	38.4	50.1	68.4	141.8	632.4
40°	15.0	13.3	11.7	11.7	11.7	11.7	13.3	16.7	25.0	46.7	73.4
42.5°	10.0	8.3	8.3	8.3	8.3	8.3	8.3	8.3	11.7	15.0	30.0
45°	6.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.7	8.3	13.3
47.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.7
50°	5.0	5.0	5.0	5.0	3.3	5.0	3.3	5.0	5.0	5.0	5.0
52.5°	5.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.0	5.0
55°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.0
57.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.0	5.0	3.3
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.0	3.3
67.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
70°	5.0	5.0	3.3	5.0	3.3	3.3	5.0	5.0	5.0	3.3	3.3
72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	10.0	10.0	6.7
75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	8.3	10.0	8.3
77.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	8.3	8.3	8.3
80°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.7	6.7	6.7
82.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.7	6.7	6.7
85°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
87.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	5537.7	5536.0	5571.1	5597.8	5587.8	5597.8	5609.4	5611.1	5614.4	5601.1	5596.1
5°	6085.0	6033.2	5933.1	5861.4	5778.0	5626.1	5551.0	5559.4	5561.1	5556.1	5562.7
7.5°	6190.1	6185.1	6150.0	6135.0	6078.3	5969.8	5796.3	5766.3	5692.9	5646.1	5607.8
10°	5926.5	6046.6	6078.3	6131.7	6165.0	6145.0	5998.2	5976.5	5929.8	5876.4	5888.1
12.5°	5641.1	5739.6	5744.6	6034.9	6100.0	6106.6	6049.9	6080.0	6086.6	5966.5	5896.4
15°	5290.8	5337.5	5435.9	5706.2	5903.1	6026.6	6063.3	6080.0	5998.2	5993.2	5964.8
17.5°	5137.3	5167.3	5212.3	5364.2	5662.8	5844.7	5999.9	5988.2	6019.9	5996.5	5924.8
20°	4943.7	4968.7	5048.8	5125.6	5272.4	5514.3	5804.7	5826.3	5868.1	5863.1	5883.1
22.5°	4940.4	4852.0	4865.3	4925.4	5078.9	5295.8	5604.4	5676.2	5702.9	5721.2	5742.9
25°	3919.3	4621.7	4750.2	4788.5	4888.7	5015.5	5379.2	5405.9	5455.9	5537.7	5597.8
27.5°	3395.4	3872.6	4386.4	4653.4	4716.8	4821.9	5038.8	5078.9	5249.0	5269.1	5362.5
30°	2679.6	3048.3	3815.8	4458.2	4563.3	4636.7	4790.2	4870.3	4943.7	5023.8	5122.2
32.5°	2521.1	2579.5	3004.9	3689.0	4506.6	4451.5	4565.0	4613.4	4693.4	4763.5	4835.3
35°	2375.9	2416.0	2506.1	3021.6	3670.7	4299.7	4376.4	4408.1	4453.2	4506.6	4558.3
37.5°	2224.1	2284.2	2345.9	2484.4	3395.4	4179.6	4177.9	4214.6	4241.3	4286.3	4329.7
40°	403.8	2097.3	2197.4	2287.5	2632.9	3333.6	3991.0	4007.7	4026.1	4054.4	4099.5
42.5°	65.1	350.4	2058.9	2145.7	2244.1	2984.9	3905.9	3837.5	3825.8	3845.9	3885.9
45°	33.4	85.1	413.8	2003.8	2092.3	2380.9	3193.5	3719.0	3707.4	3669.0	3677.3
47.5°	25.0	53.4	101.8	692.4	1958.8	2043.9	2946.5	2914.8	3136.7	3562.2	3497.1
50°	21.7	36.7	60.1	141.8	1730.2	1882.0	2269.1	2651.2	2768.0	2783.0	3293.6
52.5°	20.0	25.0	43.4	91.8	363.7	1740.2	1845.3	1978.8	2175.7	2597.8	2587.8
55°	18.4	23.4	36.7	61.7	126.8	1568.4	1676.8	1701.9	1743.6	1945.5	2212.4
57.5°	10.0	21.7	35.0	53.4	95.1	287.0	1521.7	1541.7	1575.0	1583.4	1678.5
60°	5.0	20.0	31.7	46.7	70.1	133.5	1368.2	1391.5	1411.5	1414.9	1444.9
62.5°	3.3	18.4	26.7	43.4	58.4	95.1	323.7	660.7	1256.4	1256.4	1291.4
65°	3.3	13.3	16.7	28.4	53.4	78.4	136.8	158.5	308.7	759.2	1132.9
67.5°	3.3	5.0	15.0	23.4	40.0	60.1	100.1	116.8	140.2	160.2	297.0
70°	3.3	3.3	13.3	15.0	25.0	45.0	71.7	81.8	95.1	108.5	125.1
72.5°	3.3	3.3	11.7	11.7	16.7	30.0	55.1	60.1	68.4	76.8	88.4
75°	8.3	6.7	10.0	10.0	11.7	23.4	41.7	46.7	50.1	56.7	65.1
77.5°	8.3	8.3	8.3	8.3	8.3	15.0	26.7	30.0	35.0	38.4	45.0
80°	6.7	6.7	6.7	8.3	8.3	10.0	16.7	18.4	20.0	25.0	26.7
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	10.0	11.7	15.0
85°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.7	6.7	6.7	6.7
87.5°	5.0	5.0	5.0	3.3	3.3	5.0	5.0	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	5594.4	5584.4	5576.1	5581.1	5566.1	5559.4	5564.4	5566.1	5569.4	5577.7	5579.4
5°	5579.4	5576.1	5591.1	5599.4	5596.1	5599.4	5599.4	5592.8	5582.7	5589.4	5574.4
7.5°	5569.4	5547.7	5531.0	5534.4	5517.7	5537.7	5556.1	5582.7	5591.1	5591.1	5574.4
10°	5741.3	5717.9	5624.5	5561.1	5519.3	5482.6	5569.4	5481.0	5522.7	5364.2	5546.0
12.5°	5883.1	5914.8	5873.1	5699.5	5669.5	5559.4	5622.8	5514.3	5482.6	5300.8	5359.2
15°	5939.8	5879.7	5866.4	5818.0	5752.9	5721.2	5551.0	5532.7	5481.0	5501.0	5424.2
17.5°	5889.7	5919.8	5879.7	5848.0	5781.3	5706.2	5604.4	5514.3	5442.6	5282.4	5417.6
20°	5841.4	5881.4	5761.3	5781.3	5788.0	5701.2	5647.8	5572.7	5482.6	5332.5	5215.7
22.5°	5761.3	5732.9	5742.9	5712.9	5687.9	5699.5	5626.1	5574.4	5422.6	5354.2	5195.7
25°	5631.1	5621.1	5647.8	5644.5	5584.4	5564.4	5527.7	5472.6	5412.6	5302.4	5172.3
27.5°	5419.2	5471.0	5517.7	5539.4	5507.7	5454.3	5434.3	5402.5	5360.8	5249.0	5152.3
30°	5195.7	5254.1	5307.4	5354.2	5382.5	5359.2	5340.8	5322.5	5259.1	5185.6	5077.2
32.5°	4940.4	5017.1	5090.5	5147.3	5209.0	5227.4	5214.0	5199.0	5145.6	5078.9	4992.1
35°	4645.1	4750.2	4857.0	4958.7	4985.4	5028.8	5072.2	5047.2	5018.8	4952.1	4872.0
37.5°	4394.8	4469.9	4546.6	4675.1	4768.5	4823.6	4900.3	4910.3	4862.0	4830.3	4725.1
40°	4136.2	4204.6	4316.4	4391.4	4519.9	4583.3	4665.1	4701.8	4690.1	4671.8	4580.0
42.5°	3932.6	3966.0	4039.4	4106.1	4232.9	4363.1	4434.8	4474.9	4516.6	4501.6	4454.9
45°	3715.7	3745.7	3770.8	3829.2	3952.6	4067.8	4156.2	4216.3	4291.3	4326.4	4269.6
47.5°	3500.5	3508.8	3538.9	3587.2	3660.7	3749.1	3897.6	3987.7	4057.8	4126.2	4089.5
50°	3335.3	3305.3	3310.3	3340.3	3400.4	3487.1	3593.9	3720.7	3800.8	3884.2	3892.6
52.5°	2914.8	3158.4	3100.0	3116.7	3148.4	3190.1	3301.9	3427.1	3525.5	3597.3	3669.0
55°	2446.0	2494.4	2963.2	2896.5	2916.5	2953.2	3004.9	3130.1	3225.2	3325.3	3425.4
57.5°	1897.1	2257.5	2275.8	2709.6	2699.6	2702.9	2746.3	2818.1	2913.2	3038.3	3123.4
60°	1474.9	1626.8	1922.1	2072.3	2452.7	2466.0	2491.0	2532.8	2614.5	2733.0	2868.1
62.5°	1301.4	1321.4	1426.6	1651.8	1898.7	2197.4	2250.8	2257.5	2294.2	2412.6	2569.5
65°	1142.9	1156.3	1188.0	1211.3	1418.2	1706.9	1963.8	2005.5	2028.9	2099.0	2232.4
67.5°	787.5	996.1	1024.4	1041.1	1061.2	1194.6	1513.3	1725.2	1751.9	1813.6	1930.4
70°	151.8	315.3	862.6	881.0	891.0	921.0	972.7	1309.8	1486.6	1545.0	1598.4
72.5°	103.4	121.8	146.8	347.0	734.1	750.8	762.5	805.9	1104.5	1274.7	1303.1
75°	75.1	83.4	98.4	121.8	150.2	488.9	605.7	627.3	649.0	896.0	1039.5
77.5°	53.4	60.1	66.7	78.4	91.8	118.5	170.2	468.8	490.5	502.2	709.1
80°	30.0	36.7	45.0	51.7	58.4	66.7	86.8	108.5	241.9	353.7	372.1
82.5°	16.7	20.0	23.4	28.4	31.7	40.0	48.4	58.4	76.8	113.5	240.3
85°	8.3	8.3	8.3	11.7	13.3	18.4	21.7	25.0	35.0	48.4	66.7
87.5°	5.0	5.0	6.7	6.7	6.7	8.3	8.3	8.3	10.0	15.0	21.7
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-LD5-101SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	356°	357°	358°	359°	360°
0°	5559.4	5559.4	5559.4	5559.4	5559.4
2.5°	5581.1	5576.1	5576.1	5596.1	5591.1
5°	5571.1	5566.1	5564.4	5586.1	5576.1
7.5°	5562.7	5544.4	5539.4	5559.4	5551.0
10°	5529.4	5516.0	5524.3	5517.7	5514.3
12.5°	5472.6	5464.3	5429.2	5432.6	5460.9
15°	5370.8	5404.2	5344.2	5397.5	5409.2
17.5°	5184.0	5259.1	5317.5	5349.2	5354.2
20°	5267.4	5292.4	5262.4	5264.1	5284.1
22.5°	5159.0	5170.6	5179.0	5169.0	5212.3
25°	4985.4	4940.4	5037.2	5057.2	5127.3
27.5°	4932.0	4895.3	4940.4	4937.0	4995.4
30°	4888.7	4770.2	4790.2	4821.9	4893.7
32.5°	4826.9	4640.1	4620.0	4690.1	4770.2
35°	4718.5	4541.6	4494.9	4539.9	4660.1
37.5°	4626.7	4404.8	4311.4	4371.4	4528.3
40°	4489.9	4298.0	4152.9	4206.2	4391.4
42.5°	4326.4	4206.2	3982.7	4019.4	4231.3
45°	4161.2	4054.4	3817.5	3835.8	4087.8
47.5°	3992.7	3894.2	3645.6	3649.0	3904.3
50°	3827.5	3697.4	3492.1	3433.7	3709.0
52.5°	3612.3	3492.1	3337.0	3241.9	3523.8
55°	3408.7	3273.6	3160.1	3013.3	3313.6
57.5°	3210.2	3060.0	2983.2	2794.7	3075.0
60°	2938.2	2866.5	2753.0	2572.8	2859.8
62.5°	2659.6	2636.2	2521.1	2334.2	2594.5
65°	2334.2	2389.3	2270.8	2110.6	2319.2
67.5°	2027.2	2125.6	1995.5	1897.1	2053.9
70°	1700.2	1813.6	1740.2	1705.2	1771.9
72.5°	1378.2	1488.3	1495.0	1469.9	1491.6
75°	1064.5	1186.3	1253.0	1214.7	1219.7
77.5°	807.5	865.9	939.4	969.4	962.7
80°	498.9	600.7	660.7	722.5	700.8
82.5°	251.9	337.0	410.4	477.2	445.5
85°	105.1	135.1	188.5	248.6	238.6
87.5°	31.7	53.4	56.7	80.1	75.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)