

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-LD5-78SL-RM-UNV-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-78SL-RM-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

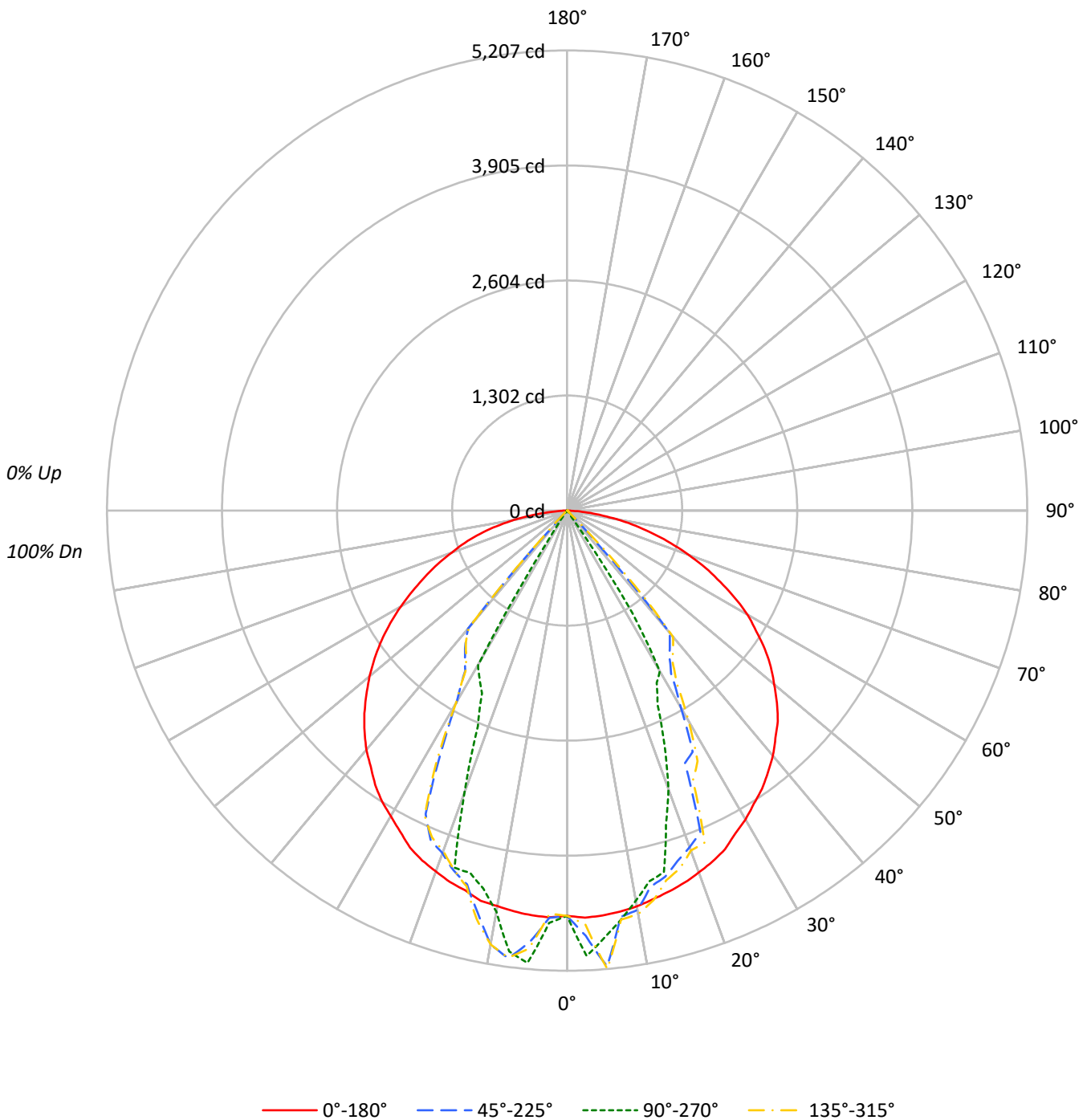
Lumens per Lamp: N/A  
Luminaire Lumens: 6519.0 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 55  
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-LD5-78SL-RM-UNV-L935-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-78SL-RM-UNV-L935-CD1-U

**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	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°	18524	18524	18524	18524
5°	18625	19052	18620	20176
10°	18606	17240	18595	17738
15°	18582	16092	18536	16133
20°	18631	12674	18578	12831
25°	18714	9172	18623	8655
30°	18660	8046	18463	7735
35°	18751	177	18475	215
40°	18854	39	18403	39
45°	18967	23	18254	17
50°	18875	18	18009	18
55°	18829	13	17673	13
60°	18556	14	17105	14
65°	17693	22	16432	15
70°	16553	24	15758	24
75°	14837	27	15080	27
80°	12352	30	13058	30
85°	7741	36	7902	36



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-78SL-RM-UNV-L935-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	460.0	7.1
10°-20°	1254.6	19.2
20°-30°	1596.5	24.5
30°-40°	1348.6	20.7
40°-50°	881.7	13.5
50°-60°	555.5	8.5
60°-70°	295.7	4.5
70°-80°	107.8	1.7
80°-90°	18.5	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°	3311.1	50.8
0°-40°	4659.7	71.5
0°-60°	6096.9	93.5
0°-90°	6519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6519.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4585	4585	4585	4585	4585	
5°	4598	4852	4597	5138	4598	437
15°	4461	4234	4450	4245	4461	1261
25°	4228	2418	4208	2281	4228	1944
35°	3843	45	3787	55	3843	2404
45°	3371	6	3244	4	3371	2592
55°	2733	3	2565	3	2733	2435
65°	1913	4	1776	3	1913	1894
75°	1006	4	1022	4	1006	1068
85°	197	4	201	4	197	249
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	4610.8	4613.5	4614.9	4617.7	4621.8	4623.2	4625.9	4623.2	4623.2	4623.2	4623.2
5°	4598.4	4603.9	4608.0	4613.5	4623.2	4624.6	4635.6	4636.9	4642.4	4653.4	4661.7
7.5°	4577.8	4583.3	4591.5	4605.3	4619.0	4634.2	4653.4	4674.1	4703.0	4730.5	4764.9
10°	4547.5	4554.4	4564.0	4576.4	4643.8	4653.4	4696.1	4755.3	4771.8	4858.5	4923.1
12.5°	4503.5	4526.9	4551.6	4562.6	4627.3	4729.1	4872.2	4843.3	4811.7	5095.1	5091.0
15°	4460.8	4492.5	4480.1	4569.5	4628.7	4806.2	4745.6	4875.0	5111.6	5053.8	5056.6
17.5°	4415.4	4422.3	4491.1	4565.4	4671.3	4762.1	4836.4	5013.9	5060.7	5064.9	5013.9
20°	4357.6	4390.6	4491.1	4558.5	4737.4	4780.0	4941.0	5031.8	5012.6	4965.8	4879.1
22.5°	4298.5	4398.9	4500.7	4595.7	4720.9	4835.1	4914.9	4957.5	4857.1	4672.7	4573.6
25°	4228.3	4287.4	4420.9	4559.9	4716.7	4782.8	4829.6	4760.8	4630.1	4464.9	4298.5
27.5°	4119.6	4214.5	4385.1	4542.0	4683.7	4763.5	4687.8	4522.7	4312.2	4203.5	4127.8
30°	4035.6	4159.5	4299.8	4451.2	4598.4	4645.2	4452.6	4264.1	4119.6	4010.9	3994.4
32.5°	3933.8	4109.9	4243.4	4387.9	4511.7	4449.8	4262.7	4019.1	3899.4	3858.1	3874.7
35°	3843.0	3976.5	4151.2	4292.9	4382.4	4243.4	3947.6	3796.2	3738.4	3761.8	3731.6
37.5°	3734.3	3910.4	4071.4	4193.9	4163.6	3954.5	3704.0	3607.7	3614.6	3595.3	3537.6
40°	3621.5	3789.4	3957.2	4072.8	3966.8	3647.6	3481.1	3460.5	3464.6	3402.7	3320.2
42.5°	3489.4	3642.1	3810.0	3914.6	3686.2	3437.1	3324.3	3327.0	3291.3	3204.6	3160.5
45°	3371.1	3511.4	3686.2	3695.8	3415.1	3207.3	3174.3	3138.5	3058.7	3029.8	2996.8
47.5°	3219.7	3375.2	3519.7	3467.4	3149.5	3020.2	2995.4	2917.0	2877.1	2855.1	2827.6
50°	3058.7	3215.6	3347.7	3199.1	2899.1	2868.8	2787.7	2725.7	2698.2	2674.8	2650.1
52.5°	2906.0	3035.3	3170.2	2914.3	2706.5	2677.6	2585.4	2549.6	2522.1	2496.0	2490.5
55°	2732.6	2846.8	2939.0	2643.2	2522.1	2454.7	2388.6	2363.9	2337.7	2325.3	2346.0
57.5°	2535.9	2665.2	2651.4	2376.3	2322.6	2224.9	2200.1	2183.6	2164.4	2172.6	2000.6
60°	2358.4	2457.4	2390.0	2180.9	2090.1	2024.0	2002.0	1991.0	2002.0	1834.1	1612.6
62.5°	2139.6	2251.0	2114.8	1952.5	1856.1	1824.5	1805.2	1820.4	1659.4	1475.0	1421.4
65°	1912.6	2033.6	1832.8	1707.5	1647.0	1619.5	1618.1	1490.1	1331.9	1260.4	1260.4
67.5°	1693.8	1819.0	1560.3	1455.7	1432.4	1435.1	1355.3	1161.3	1117.3	1069.1	930.1
70°	1461.3	1571.3	1289.3	1226.0	1212.2	1202.6	1008.6	956.3	904.0	776.0	765.0
72.5°	1230.1	1283.8	1036.1	1021.0	1018.2	846.2	807.7	718.2	657.7	642.6	635.7
75°	1005.8	989.3	818.7	832.4	701.7	641.2	579.3	527.0	518.7	513.2	128.0
77.5°	793.9	711.4	645.3	561.4	502.2	426.5	414.2	405.9	266.9	96.3	78.4
80°	577.9	460.9	429.3	364.6	311.0	298.6	305.5	93.6	74.3	61.9	53.7
82.5°	367.4	294.5	240.8	210.5	205.0	89.4	66.0	53.7	46.8	39.9	33.0
85°	196.8	130.7	121.1	101.8	60.5	41.3	34.4	26.1	22.0	17.9	16.5
87.5°	61.9	52.3	42.7	34.4	20.6	13.8	11.0	9.6	8.3	6.9	6.9
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-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	4620.4	4623.2	4621.8	4625.9	4625.9	4631.4	4635.6	4639.7	4647.9	4652.1	4683.7
5°	4679.6	4686.5	4707.1	4726.4	4749.8	4756.6	4796.5	4806.2	4853.0	4858.5	5012.6
7.5°	4811.7	4837.8	4887.4	4936.9	4986.4	5018.1	5073.1	5107.5	5144.7	5177.7	5300.1
10°	4971.3	5015.3	5063.5	5113.0	5141.9	5202.4	5235.5	5241.0	5231.3	5177.7	4979.5
12.5°	5128.1	5172.2	5151.5	5161.2	5195.6	5088.2	5103.4	5026.3	5080.0	4814.4	4617.7
15°	5106.1	5103.4	5052.5	4887.4	4914.9	4709.9	4627.3	4564.0	4614.9	4587.4	4557.1
17.5°	5040.1	4914.9	4826.8	4628.7	4544.7	4487.0	4488.3	4489.7	4464.9	4491.1	4414.0
20°	4760.8	4620.4	4489.7	4419.5	4394.8	4353.5	4374.1	4353.5	4354.9	4363.1	4244.8
22.5°	4389.3	4346.6	4270.9	4292.9	4284.7	4321.8	4294.3	4251.7	4265.4	4203.5	4114.1
25°	4239.3	4189.8	4187.0	4195.3	4182.9	4166.4	4141.6	4076.9	4072.8	4053.5	4012.3
27.5°	4087.9	4090.7	4098.9	4074.2	4030.1	3997.1	3960.0	3928.3	3940.7	3918.7	3862.3
30°	3983.4	3982.0	3932.5	3910.4	3829.3	3830.6	3821.0	3801.7	3789.4	3790.7	3755.0
32.5°	3834.8	3792.1	3735.7	3708.2	3701.3	3676.5	3657.3	3661.4	3671.0	3636.6	3673.8
35°	3682.0	3594.0	3585.7	3562.3	3540.3	3523.8	3530.7	3503.2	3501.8	3497.7	3194.9
37.5°	3477.0	3434.4	3430.2	3405.5	3390.3	3386.2	3360.1	3364.2	3376.6	3398.6	2724.4
40°	3307.8	3269.2	3259.6	3258.2	3225.2	3222.5	3229.3	3255.5	3273.4	3135.8	2596.4
42.5°	3126.1	3128.9	3098.6	3079.4	3083.5	3095.9	3128.9	3038.1	2632.2	2508.3	2373.5
45°	2970.7	2956.9	2940.4	2934.9	2970.7	2945.9	2582.6	2383.1	2335.0	2329.5	1951.1
47.5°	2808.3	2804.2	2797.3	2801.4	2597.8	2315.7	2233.2	2207.0	2215.3	2209.8	1675.9
50°	2644.6	2650.1	2650.1	2314.3	2124.5	2077.7	2084.6	2107.9	1962.1	1831.4	1561.7
52.5°	2502.8	2460.2	2107.9	1986.9	1944.2	1964.8	1915.3	1732.3	1600.2	1523.2	1444.7
55°	2240.0	1926.3	1847.9	1828.6	1843.8	1660.8	1547.9	1429.6	1395.2	1387.0	1341.5
57.5°	1762.6	1699.3	1706.2	1629.1	1454.4	1351.2	1305.8	1289.3	1274.1	1263.1	110.1
60°	1558.9	1576.8	1443.4	1278.3	1208.1	1194.3	1183.3	1168.2	1165.4	1146.2	70.2
62.5°	1426.9	1254.9	1139.3	1098.0	1081.5	1077.4	1056.7	1049.8	891.6	122.5	52.3
65°	1076.0	1005.8	983.8	974.2	956.3	956.3	793.9	125.2	101.8	88.1	46.8
67.5°	877.9	872.3	861.3	849.0	577.9	121.1	105.9	92.2	79.8	70.2	41.3
70°	743.0	740.3	674.2	123.8	103.2	90.8	79.8	71.5	66.0	59.2	37.2
72.5°	609.5	123.8	104.6	90.8	78.4	71.5	64.7	57.8	52.3	48.2	30.3
75°	94.9	83.9	74.3	67.4	61.9	55.0	49.5	45.4	44.0	38.5	20.6
77.5°	68.8	59.2	53.7	48.2	42.7	38.5	33.0	28.9	26.1	22.0	15.1
80°	48.2	42.7	38.5	31.6	27.5	23.4	20.6	17.9	16.5	13.8	6.9
82.5°	27.5	23.4	20.6	16.5	15.1	12.4	11.0	9.6	9.6	6.9	6.9
85°	12.4	12.4	9.6	8.3	6.9	6.9	6.9	5.5	5.5	4.1	4.1
87.5°	5.5	5.5	5.5	5.5	5.5	4.1	4.1	4.1	4.1	4.1	2.8
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-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	4727.7	4745.6	4780.0	4815.8	4775.9	4919.0	4908.0	4956.2	4982.3	4994.7	5023.6
5°	5148.8	5228.6	5254.7	5176.3	5130.9	5084.1	4978.2	4898.4	4908.0	4881.9	4786.9
7.5°	5140.5	4969.9	4740.1	4635.6	4627.3	4614.9	4647.9	4667.2	4670.0	4668.6	4665.8
10°	4705.7	4617.7	4602.5	4588.8	4594.3	4543.4	4520.0	4453.9	4489.7	4470.4	4477.3
12.5°	4573.6	4553.0	4471.8	4359.0	4426.4	4375.5	4346.6	4365.9	4343.9	4323.2	4316.3
15°	4495.2	4361.7	4316.3	4288.8	4269.6	4258.5	4268.2	4246.2	4239.3	4235.2	4244.8
17.5°	4332.9	4279.2	4229.7	4156.7	4158.1	4154.0	4181.5	4222.8	4225.5	4013.6	3822.4
20°	4204.9	4160.9	4097.6	4052.2	4114.1	4004.0	3578.8	3376.6	3344.9	3344.9	3350.4
22.5°	4103.1	4005.4	4009.5	3938.0	3358.7	3240.4	3243.1	3255.5	3199.1	3006.4	2985.8
25°	3964.1	3949.0	3647.6	3152.3	3156.4	3064.2	2922.5	2723.0	2507.0	2507.0	2471.2
27.5°	3859.5	3538.9	3098.6	3078.0	2768.4	2573.0	2451.9	2268.9	2244.2	2220.8	2223.5
30°	3770.1	2994.1	3005.1	2573.0	2344.6	2182.2	2172.6	2142.3	2127.2	2123.1	2107.9
32.5°	2980.3	2915.6	2515.2	2190.5	2101.1	2074.9	2062.5	2028.1	2026.8	2000.6	1819.0
35°	2794.5	2559.3	2105.2	2017.1	1991.0	1966.2	1945.6	1305.8	154.1	61.9	53.7
37.5°	2582.6	2138.2	1947.0	1907.1	1882.3	1391.1	139.0	48.2	34.4	24.8	22.0
40°	2189.1	1909.8	1849.3	1805.2	744.4	48.2	30.3	23.4	13.8	12.4	11.0
42.5°	1846.5	1799.7	1735.1	528.4	55.0	23.4	15.1	11.0	9.6	9.6	8.3
45°	1728.2	1686.9	699.0	52.3	34.4	11.0	9.6	9.6	8.3	5.5	5.5
47.5°	1618.1	1424.1	63.3	33.0	22.0	9.6	8.3	5.5	5.5	5.5	4.1
50°	1501.2	78.4	44.0	24.8	13.8	5.5	5.5	5.5	5.5	4.1	4.1
52.5°	280.7	55.0	35.8	22.0	6.9	5.5	5.5	5.5	4.1	4.1	4.1
55°	66.0	44.0	33.0	19.3	5.5	5.5	5.5	4.1	4.1	4.1	2.8
57.5°	49.5	33.0	26.1	17.9	5.5	4.1	4.1	4.1	4.1	4.1	2.8
60°	41.3	23.4	20.6	16.5	4.1	4.1	4.1	4.1	4.1	4.1	2.8
62.5°	28.9	19.3	15.1	12.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1
65°	23.4	15.1	12.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
67.5°	20.6	12.4	8.3	2.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1
70°	16.5	4.1	4.1	2.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1
72.5°	13.8	4.1	2.8	2.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1
75°	13.8	6.9	2.8	2.8	4.1	4.1	5.5	5.5	4.1	4.1	4.1
77.5°	9.6	6.9	2.8	2.8	4.1	4.1	5.5	5.5	4.1	4.1	4.1
80°	5.5	6.9	2.8	4.1	4.1	8.3	9.6	5.5	4.1	4.1	4.1
82.5°	5.5	6.9	8.3	8.3	4.1	6.9	8.3	6.9	5.5	4.1	4.1
85°	5.5	4.1	5.5	6.9	4.1	6.9	6.9	5.5	5.5	4.1	4.1
87.5°	2.8	4.1	4.1	5.5	5.5	5.5	6.9	5.5	5.5	5.5	4.1
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-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	5037.3	5042.8	4956.2	4925.9	4952.0	4946.5	4923.1	4836.4	4826.8	4769.0	4685.1
5°	4814.4	4851.6	4806.2	4884.6	4847.5	4884.6	4997.4	5049.7	5135.0	5187.3	5206.6
7.5°	4658.9	4667.2	4667.2	4674.1	4681.0	4682.3	4674.1	4668.6	4645.2	4616.3	4668.6
10°	4470.4	4480.1	4496.6	4493.8	4492.5	4521.4	4528.2	4587.4	4584.6	4595.7	4635.6
12.5°	4372.8	4298.5	4365.9	4348.0	4372.8	4334.2	4405.8	4393.4	4397.5	4430.5	4515.9
15°	4210.4	4233.8	4250.3	4250.3	4259.9	4251.7	4243.4	4299.8	4334.2	4335.6	4330.1
17.5°	3898.1	3720.6	3902.2	3855.4	4228.3	4237.9	4206.3	4180.1	4180.1	4200.8	4244.8
20°	3346.3	3350.4	3351.8	3369.7	3391.7	3390.3	3391.7	3933.8	4191.1	4132.0	4092.1
22.5°	2933.5	2882.6	2977.5	2970.7	3089.0	3219.7	3344.9	3332.5	3340.8	3723.3	4067.3
25°	2351.5	2417.5	2363.9	2387.3	2520.7	2676.2	2772.5	3024.3	3298.1	3278.9	3368.3
27.5°	2213.9	2196.0	2220.8	2220.8	2238.7	2259.3	2313.0	2454.7	2698.2	2954.2	3196.3
30°	2083.2	2098.3	2101.1	2125.8	2139.6	2153.4	2161.6	2215.3	2270.3	2447.8	2746.4
32.5°	1564.4	1371.8	1805.2	1922.2	2021.3	2044.7	2061.2	2083.2	2123.1	2149.2	2299.2
35°	45.4	45.4	48.2	55.0	70.2	473.3	1802.5	1986.9	2013.0	2046.0	2073.5
37.5°	22.0	16.5	19.3	20.6	24.8	34.4	49.5	154.1	1715.8	1940.1	1970.4
40°	9.6	9.6	9.6	9.6	11.0	13.8	20.6	34.4	52.3	1380.1	1861.7
42.5°	8.3	8.3	8.3	8.3	8.3	8.3	9.6	12.4	24.8	59.2	976.9
45°	5.5	5.5	4.1	5.5	5.5	6.9	8.3	8.3	11.0	37.2	67.4
47.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.9	8.3	24.8	35.8
50°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	19.3	24.8
52.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.3	22.0
55°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.1	4.1	5.5	19.3
57.5°	2.8	2.8	2.8	2.8	2.8	4.1	2.8	2.8	4.1	4.1	17.9
60°	2.8	2.8	2.8	2.8	2.8	4.1	4.1	4.1	4.1	4.1	16.5
62.5°	4.1	4.1	2.8	4.1	2.8	2.8	4.1	4.1	4.1	4.1	11.0
65°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.8	4.1
67.5°	4.1	4.1	4.1	4.1	2.8	4.1	2.8	4.1	4.1	2.8	2.8
70°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.8	2.8	2.8	2.8
72.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.8	2.8	2.8	2.8
75°	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5	2.8	2.8	2.8
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	6.9	8.3	6.9	6.9	2.8
80°	4.1	4.1	4.1	4.1	4.1	4.1	6.9	6.9	6.9	6.9	9.6
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5	5.5	5.5	6.9
85°	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5	5.5	4.1	5.5
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.5	4.1	4.1	4.1
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-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	4692.0	4645.2	4630.1	4598.4	4595.7	4598.4	4591.5	4581.9	4587.4	4577.8	4569.5
5°	5217.6	5092.4	5011.2	4902.5	4752.5	4719.5	4711.2	4664.5	4647.9	4642.4	4620.4
7.5°	4792.4	5020.8	5158.4	5205.2	5029.1	4987.8	4939.6	4901.1	4864.0	4793.8	4751.1
10°	4603.9	4614.9	4747.0	4901.1	5151.5	5185.9	5212.1	5128.1	5104.8	4925.9	4887.4
12.5°	4559.9	4561.3	4576.4	4670.0	4866.7	4888.7	4980.9	5030.5	5091.0	5125.4	5097.9
15°	4359.0	4470.4	4553.0	4561.3	4579.1	4617.7	4645.2	4817.2	4890.1	5085.5	5074.5
17.5°	4265.4	4301.2	4420.9	4518.6	4502.1	4488.3	4510.3	4533.7	4603.9	4799.3	4796.5
20°	4109.9	4224.2	4288.8	4390.6	4482.8	4487.0	4462.2	4448.4	4420.9	4452.6	4481.5
22.5°	4043.9	4061.8	4182.9	4254.4	4359.0	4396.1	4401.6	4403.0	4387.9	4371.4	4363.1
25°	4037.0	3980.6	4042.5	4132.0	4209.0	4248.9	4294.3	4309.5	4304.0	4304.0	4295.7
27.5°	3303.6	3962.7	3929.7	3988.9	4082.4	4109.9	4133.3	4180.1	4209.0	4229.7	4239.3
30°	3146.8	3265.1	3841.6	3849.9	3944.8	3942.1	3968.2	4006.8	4043.9	4092.1	4104.4
32.5°	2783.5	3073.9	3516.9	3710.9	3810.0	3819.6	3833.4	3844.4	3878.8	3932.5	3979.2
35°	2230.4	2800.0	3013.3	3644.9	3662.8	3682.0	3690.3	3716.4	3727.4	3749.4	3790.7
37.5°	2018.5	2314.3	2890.9	3152.3	3493.5	3510.0	3554.1	3565.1	3583.0	3600.8	3632.5
40°	1896.1	1977.2	2406.5	2815.2	3357.3	3368.3	3383.4	3411.0	3412.3	3433.0	3461.9
42.5°	1798.4	1850.6	1975.9	2688.6	3261.0	3259.6	3223.8	3241.7	3250.0	3272.0	3311.9
45°	1436.5	1736.4	1816.2	2196.0	2596.4	2783.5	3142.7	3083.5	3082.1	3090.4	3133.0
47.5°	72.9	1633.2	1689.7	1812.1	2451.9	2458.8	2505.6	2899.1	2959.7	2940.4	2944.5
50°	49.5	112.8	1574.1	1630.5	2113.5	2284.1	2318.5	2336.4	2563.4	2816.6	2775.3
52.5°	38.5	64.7	964.5	1513.5	1717.2	1842.4	2063.9	2190.5	2204.3	2306.1	2651.4
55°	34.4	49.5	104.6	1396.6	1459.9	1487.4	1616.7	1838.3	2017.1	2070.8	2074.9
57.5°	30.3	45.4	71.5	631.6	1327.8	1333.3	1355.3	1432.4	1593.3	1740.6	1907.1
60°	27.5	39.9	56.4	108.7	1206.7	1220.5	1224.6	1245.2	1264.5	1364.9	1556.2
62.5°	16.5	31.6	49.5	78.4	954.9	1096.6	1095.3	1109.0	1126.9	1137.9	1176.4
65°	13.8	24.8	42.7	66.0	117.0	145.9	886.1	985.2	996.2	1011.3	1018.2
67.5°	12.4	22.0	31.6	52.3	88.1	100.4	115.6	143.1	781.5	880.6	894.4
70°	11.0	15.1	26.1	44.0	71.5	77.1	86.7	99.1	117.0	144.5	707.2
72.5°	6.9	11.0	17.9	31.6	55.0	61.9	67.4	75.7	83.9	100.4	115.6
75°	2.8	8.3	15.1	23.4	42.7	46.8	50.9	56.4	63.3	74.3	82.6
77.5°	2.8	6.9	12.4	16.5	27.5	31.6	37.2	41.3	46.8	52.3	60.5
80°	9.6	5.5	8.3	12.4	19.3	20.6	23.4	26.1	30.3	34.4	39.9
82.5°	6.9	8.3	9.6	8.3	9.6	12.4	13.8	16.5	17.9	20.6	22.0
85°	5.5	5.5	6.9	6.9	6.9	6.9	6.9	6.9	8.3	9.6	12.4
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5
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-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	4569.5	4566.8	4558.5	4558.5	4557.1	4562.6	4566.8	4570.9	4569.5	4577.8	4569.5
5°	4603.9	4597.0	4584.6	4573.6	4569.5	4572.3	4568.1	4572.3	4566.8	4573.6	4561.3
7.5°	4698.9	4675.5	4627.3	4608.0	4583.3	4581.9	4569.5	4566.8	4558.5	4558.5	4543.4
10°	4866.7	4753.9	4740.1	4682.3	4661.7	4561.3	4583.3	4546.1	4542.0	4524.1	4517.2
12.5°	5004.3	4916.3	4890.1	4839.2	4781.4	4577.8	4623.2	4543.4	4539.2	4503.5	4466.3
15°	5007.1	5058.0	4986.4	4846.1	4833.7	4693.3	4601.2	4573.6	4537.9	4430.5	4448.4
17.5°	4846.1	4963.0	4997.4	4967.2	4879.1	4784.2	4654.8	4599.8	4492.5	4444.3	4411.3
20°	4584.6	4703.0	4850.2	4859.8	4914.9	4847.5	4678.2	4588.8	4459.4	4375.5	4348.0
22.5°	4376.9	4463.6	4632.8	4711.2	4778.7	4802.0	4694.7	4562.6	4401.6	4320.5	4304.0
25°	4266.8	4286.1	4337.0	4429.2	4577.8	4685.1	4700.2	4559.9	4475.9	4298.5	4204.9
27.5°	4226.9	4210.4	4189.8	4236.5	4348.0	4478.7	4565.4	4588.8	4379.6	4210.4	4116.8
30°	4125.1	4134.7	4103.1	4086.6	4159.5	4294.3	4448.4	4487.0	4326.0	4151.2	4043.9
32.5°	3999.9	4016.4	4021.9	3993.0	3977.9	4071.4	4237.9	4330.1	4321.8	4067.3	3947.6
35°	3843.0	3889.8	3902.2	3903.6	3878.8	3863.7	3960.0	4151.2	4224.2	4028.8	3855.4
37.5°	3677.9	3691.7	3759.1	3777.0	3777.0	3731.6	3803.1	3955.8	4057.7	3942.1	3742.6
40°	3471.5	3515.5	3578.8	3610.5	3642.1	3646.3	3606.4	3713.7	3881.5	3852.6	3636.6
42.5°	3321.5	3350.4	3389.0	3431.6	3496.3	3512.8	3471.5	3490.8	3665.5	3741.2	3499.0
45°	3146.8	3185.3	3196.3	3243.1	3310.5	3358.7	3357.3	3317.4	3457.7	3551.3	3398.6
47.5°	2967.9	3005.1	3024.3	3047.7	3097.3	3159.2	3193.6	3175.7	3203.2	3386.2	3265.1
50°	2783.5	2804.2	2842.7	2868.8	2901.9	2937.6	3020.2	3036.7	2998.2	3144.0	3117.9
52.5°	2608.8	2615.7	2641.8	2668.0	2712.0	2738.1	2804.2	2853.7	2851.0	2893.6	2954.2
55°	2472.6	2442.3	2447.8	2468.4	2497.3	2537.2	2574.4	2651.4	2677.6	2685.8	2782.2
57.5°	1931.8	2242.8	2270.3	2268.9	2303.3	2321.2	2355.6	2406.5	2500.1	2479.5	2586.8
60°	1755.7	1790.1	2050.2	2080.4	2092.8	2109.3	2150.6	2197.4	2266.2	2310.2	2357.0
62.5°	1338.8	1547.9	1626.4	1856.1	1891.9	1901.6	1929.1	1951.1	2022.6	2123.1	2103.8
65°	1036.1	1125.5	1364.9	1458.5	1653.9	1678.7	1717.2	1740.6	1761.2	1876.8	1882.3
67.5°	895.7	909.5	974.2	1154.4	1278.3	1469.5	1492.9	1513.5	1545.2	1627.7	1678.7
70°	765.0	781.5	799.4	814.6	975.5	1102.1	1279.6	1286.5	1307.1	1362.2	1477.8
72.5°	144.5	653.6	664.6	674.2	692.1	776.0	945.3	1082.9	1091.1	1117.3	1223.2
75°	97.7	114.2	156.9	539.4	557.3	562.8	591.7	763.6	890.2	895.7	942.5
77.5°	70.2	78.4	94.9	112.8	287.6	432.0	438.9	470.6	601.3	696.2	704.5
80°	48.2	53.7	63.3	71.5	88.1	115.6	319.2	328.9	345.4	476.1	500.8
82.5°	27.5	31.6	37.2	45.4	52.3	66.0	85.3	110.1	224.3	239.4	317.8
85°	13.8	15.1	17.9	22.0	26.1	31.6	42.7	52.3	71.5	129.3	133.5
87.5°	6.9	6.9	6.9	6.9	11.0	12.4	15.1	19.3	24.8	37.2	48.2
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-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	4570.9	4590.2	4606.7	4610.8	4610.8	4613.5	4617.7	4620.4	4623.2	4625.9	4623.2
5°	4562.6	4583.3	4597.0	4601.2	4601.2	4609.4	4616.3	4624.6	4628.7	4628.7	4625.9
7.5°	4542.0	4557.1	4575.0	4586.0	4587.4	4601.2	4613.5	4612.2	4617.7	4620.4	4627.3
10°	4514.5	4514.5	4544.7	4553.0	4559.9	4575.0	4579.1	4587.4	4606.7	4609.4	4627.3
12.5°	4500.7	4487.0	4522.7	4526.9	4550.2	4531.0	4555.8	4564.0	4544.7	4570.9	4536.5
15°	4438.8	4455.3	4449.8	4462.2	4503.5	4481.5	4548.9	4526.9	4576.4	4517.2	4621.8
17.5°	4387.9	4385.1	4407.2	4418.2	4426.4	4473.2	4491.1	4515.9	4535.1	4518.6	4559.9
20°	4350.7	4328.7	4345.2	4357.6	4386.5	4422.3	4433.3	4396.1	4460.8	4570.9	4597.0
22.5°	4280.6	4265.4	4284.7	4284.7	4328.7	4323.2	4364.5	4341.1	4401.6	4529.6	4663.1
25°	4185.6	4187.0	4207.6	4232.4	4240.7	4302.6	4324.6	4354.9	4430.5	4583.3	4664.5
27.5°	4089.3	4081.1	4093.4	4144.3	4187.0	4232.4	4239.3	4342.5	4445.7	4550.2	4621.8
30°	3993.0	3984.7	3993.0	4030.1	4081.1	4111.3	4187.0	4324.6	4420.9	4492.5	4559.9
32.5°	3889.8	3881.5	3900.8	3928.3	4017.8	4021.9	4171.9	4301.2	4376.9	4429.2	4416.8
35°	3779.7	3768.7	3786.6	3829.3	3911.8	3942.1	4098.9	4195.3	4280.6	4305.3	4247.5
37.5°	3647.6	3628.4	3650.4	3709.5	3796.2	3884.3	4015.0	4126.5	4171.9	4105.8	4037.0
40°	3510.0	3496.3	3534.8	3565.1	3666.9	3789.4	3939.3	4017.8	3988.9	3913.2	3837.5
42.5°	3387.6	3358.7	3393.1	3450.9	3566.4	3705.4	3826.5	3870.5	3801.7	3690.3	3602.2
45°	3237.6	3203.2	3244.5	3321.5	3445.4	3603.6	3698.5	3683.4	3566.4	3470.1	3349.0
47.5°	3080.7	3039.5	3080.7	3172.9	3311.9	3479.8	3548.6	3479.8	3332.5	3211.5	3113.8
50°	2926.6	2878.5	2918.4	3057.3	3193.6	3322.9	3321.5	3188.1	3100.0	2967.9	2882.6
52.5°	2773.9	2705.1	2745.0	2896.4	3032.6	3179.8	3071.1	2947.3	2841.3	2725.7	2698.2
55°	2585.4	2511.1	2564.8	2784.9	2889.5	2976.2	2802.8	2694.1	2589.5	2531.7	2497.3
57.5°	2406.5	2325.3	2372.1	2632.2	2709.2	2731.3	2571.6	2417.5	2355.6	2336.4	2286.8
60°	2222.2	2130.0	2174.0	2473.9	2527.6	2438.2	2281.3	2161.6	2149.2	2110.7	2072.2
62.5°	2046.0	1944.2	1971.7	2277.2	2302.0	2139.6	1995.1	1963.5	1933.2	1894.7	1874.0
65°	1843.8	1737.8	1776.3	2068.0	2044.7	1835.5	1754.3	1747.5	1707.5	1675.9	1706.2
67.5°	1658.0	1532.8	1586.5	1839.6	1733.7	1563.1	1530.1	1513.5	1481.9	1499.8	1181.9
70°	1454.4	1318.2	1391.1	1593.3	1436.5	1323.7	1311.3	1286.5	1287.9	1023.7	862.7
72.5°	1227.3	1109.0	1215.0	1323.7	1136.5	1103.5	1085.6	1082.9	873.7	710.0	670.1
75°	1027.8	908.1	1022.3	1063.6	905.4	883.4	882.0	729.3	573.8	547.6	535.2
77.5°	802.2	710.0	818.7	756.8	694.9	670.1	601.3	451.3	432.0	414.2	155.5
80°	540.7	547.6	610.9	521.5	495.3	422.4	333.0	319.2	275.2	110.1	86.7
82.5°	328.9	412.8	389.4	326.1	319.2	229.8	210.5	107.3	79.8	63.3	55.0
85°	170.6	209.1	200.9	177.5	132.1	118.3	66.0	50.9	41.3	31.6	26.1
87.5°	57.8	77.1	74.3	59.2	45.4	35.8	23.4	19.3	13.8	11.0	9.6
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-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	4620.4	4620.4	4617.7	4620.4	4621.8	4619.0	4619.0	4621.8	4623.2	4624.6	4631.4
5°	4627.3	4630.1	4634.2	4642.4	4643.8	4660.3	4667.2	4671.3	4675.5	4676.8	4667.2
7.5°	4642.4	4652.1	4660.3	4658.9	4649.3	4623.2	4614.9	4608.0	4620.4	4652.1	4689.2
10°	4656.2	4612.2	4529.6	4642.4	4608.0	4639.7	4733.3	4753.9	4817.2	4906.6	4932.8
12.5°	4561.3	4682.3	4708.5	4581.9	4815.8	4729.1	4832.3	4923.1	4949.3	5040.1	4985.0
15°	4663.1	4722.2	4762.1	4888.7	4875.0	4949.3	4978.2	4960.3	4964.4	4987.8	5049.7
17.5°	4661.7	4780.0	4806.2	4891.5	4949.3	4950.6	4942.4	4934.1	4956.2	4974.0	4936.9
20°	4741.5	4780.0	4830.9	4865.3	4876.3	4890.1	4916.3	4895.6	4854.3	4814.4	4797.9
22.5°	4701.6	4788.3	4832.3	4837.8	4830.9	4788.3	4749.8	4692.0	4672.7	4652.1	4658.9
25°	4709.9	4749.8	4744.3	4722.2	4693.3	4613.5	4594.3	4569.5	4532.4	4442.9	4361.7
27.5°	4650.7	4630.1	4605.3	4551.6	4499.3	4456.7	4408.5	4328.7	4262.7	4166.4	4130.6
30°	4551.6	4469.1	4408.5	4376.9	4326.0	4254.4	4181.5	4083.8	3999.9	3980.6	3962.7
32.5°	4361.7	4280.6	4231.0	4154.0	4067.3	3982.0	3898.1	3859.5	3841.6	3844.4	3827.9
35°	4167.7	4096.2	4021.9	3906.3	3841.6	3756.3	3726.1	3717.8	3701.3	3683.4	3664.1
37.5°	3961.3	3877.4	3766.0	3697.2	3632.5	3598.1	3583.0	3570.6	3541.7	3510.0	3488.0
40°	3761.8	3610.5	3548.6	3481.1	3461.9	3446.7	3424.7	3394.5	3354.6	3349.0	3339.4
42.5°	3494.9	3386.2	3332.5	3318.8	3295.4	3269.2	3250.0	3217.0	3200.4	3211.5	3219.7
45°	3241.7	3186.7	3168.8	3152.3	3108.3	3071.1	3058.7	3047.7	3061.5	3122.0	2977.5
47.5°	3036.7	3014.7	2992.7	2965.2	2923.9	2896.4	2908.7	2919.8	2932.1	2487.7	2270.3
50°	2859.2	2828.9	2794.5	2764.3	2739.5	2736.8	2801.4	2607.4	2183.6	2172.6	1952.5
52.5°	2665.2	2619.8	2599.2	2581.3	2592.3	2633.6	2179.5	2022.6	1940.1	1685.5	1572.7
55°	2456.1	2416.2	2416.2	2432.7	2373.5	1923.6	1900.2	1642.9	1487.4	1443.4	1425.5
57.5°	2246.9	2242.8	2266.2	2072.2	1746.1	1674.5	1407.6	1351.2	1326.4	1320.9	1292.0
60°	2055.7	2094.2	1753.0	1612.6	1402.1	1264.5	1226.0	1219.1	1192.9	1183.3	1157.2
62.5°	1902.9	1578.2	1469.5	1199.8	1129.7	1111.8	1091.1	1081.5	1058.1	934.3	273.8
65°	1374.6	1298.9	1054.0	1008.6	1003.1	976.9	968.7	871.0	205.0	137.6	117.0
67.5°	1037.5	920.5	888.9	880.6	854.5	802.2	238.0	136.2	117.0	101.8	89.4
70°	796.7	776.0	752.6	733.4	216.0	134.8	117.0	99.1	85.3	75.7	68.8
72.5°	652.2	638.4	371.5	141.7	115.6	97.7	86.7	75.7	66.0	60.5	55.0
75°	510.5	141.7	117.0	97.7	83.9	71.5	63.3	56.4	50.9	46.8	42.7
77.5°	115.6	93.6	79.8	67.4	60.5	53.7	48.2	41.3	37.2	33.0	27.5
80°	71.5	61.9	52.3	48.2	41.3	34.4	30.3	27.5	22.0	20.6	17.9
82.5°	46.8	37.2	33.0	27.5	22.0	20.6	17.9	13.8	12.4	11.0	9.6
85°	20.6	17.9	15.1	12.4	9.6	8.3	6.9	5.5	5.5	5.5	5.5
87.5°	6.9	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.8	2.8
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-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	4634.2	4658.9	4682.3	4675.5	4650.7	4612.2	4601.2	4586.0	4597.0	4620.4	4630.1
5°	4667.2	4653.4	4703.0	4775.9	4894.2	4905.2	4987.8	5007.1	5073.1	5114.4	5113.0
7.5°	4714.0	4909.4	4990.6	5078.6	5118.5	5108.9	5121.3	5111.6	5096.5	5089.6	5081.4
10°	4952.0	5100.6	5130.9	5130.9	5069.0	4985.0	4949.3	4887.4	4763.5	4766.3	4745.6
12.5°	5091.0	5143.3	5071.7	5011.2	4762.1	4665.8	4561.3	4511.7	4482.8	4438.8	4455.3
15°	5018.1	4943.8	4901.1	4705.7	4553.0	4379.6	4382.4	4352.1	4320.5	4323.2	4302.6
17.5°	4910.7	4851.6	4548.9	4414.0	4339.7	4272.3	4259.9	4220.0	4199.4	4192.5	4191.1
20°	4763.5	4550.2	4324.6	4291.6	4202.1	4125.1	4112.7	4125.1	4188.4	4075.5	3693.0
22.5°	4591.5	4284.7	4218.6	4125.1	4064.5	4034.3	4109.9	3766.0	3245.9	3309.1	3241.7
25°	4299.8	4166.4	4053.5	3982.0	3975.1	3789.4	3157.8	3091.7	2757.4	2578.5	2377.6
27.5°	4086.6	4028.8	3910.4	3898.1	3808.6	3098.6	2769.8	2406.5	2273.1	2252.4	2208.4
30°	3957.2	3874.7	3803.1	3490.8	3039.5	2494.6	2222.2	2171.2	2147.8	2123.1	2084.6
32.5°	3801.7	3723.3	3757.7	2934.9	2423.0	2147.8	2092.8	2055.7	2013.0	1996.5	1857.5
35°	3643.5	3607.7	2936.3	2467.1	2083.2	2017.1	1975.9	1937.3	1541.1	372.9	126.6
37.5°	3474.3	3466.0	2639.1	2047.4	1951.1	1889.2	1772.2	366.0	86.7	59.2	44.0
40°	3342.2	2640.4	2085.9	1919.4	1841.0	1743.3	244.9	60.5	38.5	23.4	15.1
42.5°	3254.1	2374.9	1867.2	1801.1	1630.5	180.2	61.9	26.1	15.1	12.4	9.6
45°	2508.3	1875.4	1744.7	1675.9	206.4	61.9	35.8	12.4	9.6	8.3	5.5
47.5°	2314.3	1703.4	1626.4	366.0	68.8	33.0	24.8	8.3	5.5	5.5	5.5
50°	1753.0	1574.1	1294.8	89.4	44.0	23.4	17.9	5.5	5.5	5.5	4.1
52.5°	1536.9	1453.0	139.0	59.2	34.4	17.9	11.0	4.1	4.1	4.1	4.1
55°	1404.8	921.9	82.6	45.4	28.9	16.5	6.9	4.1	4.1	4.1	2.8
57.5°	1285.1	123.8	60.5	38.5	26.1	15.1	4.1	4.1	4.1	4.1	2.8
60°	1089.7	89.4	49.5	34.4	24.8	13.8	4.1	4.1	4.1	4.1	4.1
62.5°	141.7	70.2	42.7	30.3	17.9	11.0	2.8	4.1	4.1	4.1	4.1
65°	103.2	55.0	38.5	20.6	11.0	4.1	2.8	4.1	4.1	4.1	4.1
67.5°	79.8	45.4	28.9	17.9	9.6	2.8	2.8	4.1	4.1	4.1	4.1
70°	63.3	38.5	23.4	15.1	8.3	2.8	2.8	4.1	4.1	4.1	4.1
72.5°	49.5	27.5	16.5	8.3	5.5	2.8	2.8	4.1	4.1	4.1	4.1
75°	37.2	22.0	12.4	6.9	2.8	2.8	2.8	4.1	4.1	4.1	4.1
77.5°	24.8	13.8	9.6	5.5	5.5	5.5	6.9	6.9	4.1	4.1	4.1
80°	16.5	9.6	6.9	6.9	6.9	5.5	6.9	6.9	4.1	6.9	4.1
82.5°	8.3	6.9	6.9	5.5	5.5	4.1	5.5	5.5	5.5	5.5	4.1
85°	5.5	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5	4.1
87.5°	2.8	2.8	2.8	2.8	4.1	4.1	4.1	4.1	5.5	5.5	4.1
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-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	4617.7	4621.8	4610.8	4670.0	4639.7	4642.4	4654.8	4623.2	4630.1	4608.0	4592.9
5°	5118.5	5126.8	5135.0	5137.8	5143.3	5150.2	5141.9	5137.8	5129.5	5102.0	5073.1
7.5°	5040.1	5030.5	5026.3	5031.8	5041.5	5045.6	5038.7	5048.3	5084.1	5099.3	5108.9
10°	4627.3	4583.3	4613.5	4609.4	4575.0	4690.6	4658.9	4676.8	4689.2	4815.8	4892.9
12.5°	4430.5	4458.1	4405.8	4379.6	4414.0	4437.4	4460.8	4411.3	4480.1	4448.4	4550.2
15°	4265.4	4248.9	4243.4	4244.8	4237.9	4270.9	4279.2	4290.2	4299.8	4342.5	4359.0
17.5°	4191.1	4218.6	4229.7	4237.9	4224.2	4209.0	4193.9	4171.9	4178.7	4167.7	4199.4
20°	3435.7	3343.5	3338.0	3391.7	3332.5	3365.6	3445.4	3979.2	3961.3	4169.1	4098.9
22.5°	2867.5	2780.8	2706.5	2641.8	2734.0	2772.5	2921.1	3089.0	3361.4	3318.8	3614.6
25°	2341.9	2310.2	2290.9	2281.3	2288.2	2285.4	2318.5	2396.9	2520.7	2812.4	3189.4
27.5°	2190.5	2175.4	2168.5	2146.5	2163.0	2157.5	2183.6	2200.1	2237.3	2266.2	2388.6
30°	2070.8	2052.9	2040.5	2017.1	2033.6	2035.0	2043.3	2085.9	2101.1	2125.8	2164.4
32.5°	756.8	445.8	418.3	397.6	434.8	566.9	994.8	1739.2	1984.1	2003.4	2047.4
35°	74.3	61.9	55.0	55.0	56.4	61.9	82.6	217.4	397.6	1536.9	1923.6
37.5°	28.9	24.8	20.6	19.3	20.6	23.4	31.6	41.3	56.4	117.0	521.5
40°	12.4	11.0	9.6	9.6	9.6	9.6	11.0	13.8	20.6	38.5	60.5
42.5°	8.3	6.9	6.9	6.9	6.9	6.9	6.9	6.9	9.6	12.4	24.8
45°	5.5	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.5	6.9	11.0
47.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.5
50°	4.1	4.1	4.1	4.1	2.8	4.1	2.8	4.1	4.1	4.1	4.1
52.5°	4.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.1	4.1
55°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.1
57.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
62.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.1	4.1	2.8
65°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.1	2.8
67.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
70°	4.1	4.1	2.8	4.1	2.8	2.8	4.1	4.1	4.1	2.8	2.8
72.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.3	8.3	5.5
75°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.9	8.3	6.9
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.9	6.9	6.9
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5	5.5
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5	5.5
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
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-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	4566.8	4565.4	4594.3	4616.3	4608.0	4616.3	4625.9	4627.3	4630.1	4619.0	4614.9
5°	5018.1	4975.4	4892.9	4833.7	4764.9	4639.7	4577.8	4584.6	4586.0	4581.9	4587.4
7.5°	5104.8	5100.6	5071.7	5059.3	5012.6	4923.1	4780.0	4755.3	4694.7	4656.2	4624.6
10°	4887.4	4986.4	5012.6	5056.6	5084.1	5067.6	4946.5	4928.6	4890.1	4846.1	4855.7
12.5°	4652.1	4733.3	4737.4	4976.8	5030.5	5036.0	4989.2	5013.9	5019.4	4920.4	4862.6
15°	4363.1	4401.6	4482.8	4705.7	4868.1	4969.9	5000.2	5013.9	4946.5	4942.4	4919.0
17.5°	4236.5	4261.3	4298.5	4423.7	4670.0	4819.9	4947.9	4938.3	4964.4	4945.1	4886.0
20°	4076.9	4097.6	4163.6	4226.9	4348.0	4547.5	4786.9	4804.8	4839.2	4835.1	4851.6
22.5°	4074.2	4001.2	4012.3	4061.8	4188.4	4367.2	4621.8	4681.0	4703.0	4718.1	4736.0
25°	3232.1	3811.4	3917.3	3949.0	4031.5	4136.1	4436.0	4458.1	4499.3	4566.8	4616.3
27.5°	2800.0	3193.6	3617.4	3837.5	3889.8	3976.5	4155.4	4188.4	4328.7	4345.2	4422.3
30°	2209.8	2513.9	3146.8	3676.5	3763.2	3823.8	3950.3	4016.4	4076.9	4143.0	4224.2
32.5°	2079.1	2127.2	2478.1	3042.2	3716.4	3671.0	3764.6	3804.5	3870.5	3928.3	3987.5
35°	1959.3	1992.4	2066.7	2491.8	3027.1	3545.8	3609.1	3635.2	3672.4	3716.4	3759.1
37.5°	1834.1	1883.7	1934.6	2048.8	2800.0	3446.7	3445.4	3475.6	3497.7	3534.8	3570.6
40°	333.0	1729.6	1812.1	1886.4	2171.2	2749.1	3291.3	3305.0	3320.2	3343.5	3380.7
42.5°	53.7	288.9	1697.9	1769.5	1850.6	2461.6	3221.1	3164.7	3155.0	3171.6	3204.6
45°	27.5	70.2	341.2	1652.5	1725.4	1963.5	2633.6	3067.0	3057.3	3025.7	3032.6
47.5°	20.6	44.0	83.9	571.0	1615.4	1685.5	2429.9	2403.8	2586.8	2937.6	2884.0
50°	17.9	30.3	49.5	117.0	1426.9	1552.1	1871.3	2186.4	2282.7	2295.1	2716.1
52.5°	16.5	20.6	35.8	75.7	300.0	1435.1	1521.8	1631.9	1794.2	2142.3	2134.1
55°	15.1	19.3	30.3	50.9	104.6	1293.4	1382.8	1403.5	1437.9	1604.4	1824.5
57.5°	8.3	17.9	28.9	44.0	78.4	236.7	1254.9	1271.4	1298.9	1305.8	1384.2
60°	4.1	16.5	26.1	38.5	57.8	110.1	1128.3	1147.5	1164.0	1166.8	1191.6
62.5°	2.8	15.1	22.0	35.8	48.2	78.4	266.9	544.9	1036.1	1036.1	1065.0
65°	2.8	11.0	13.8	23.4	44.0	64.7	112.8	130.7	254.5	626.1	934.3
67.5°	2.8	4.1	12.4	19.3	33.0	49.5	82.6	96.3	115.6	132.1	244.9
70°	2.8	2.8	11.0	12.4	20.6	37.2	59.2	67.4	78.4	89.4	103.2
72.5°	2.8	2.8	9.6	9.6	13.8	24.8	45.4	49.5	56.4	63.3	72.9
75°	6.9	5.5	8.3	8.3	9.6	19.3	34.4	38.5	41.3	46.8	53.7
77.5°	6.9	6.9	6.9	6.9	6.9	12.4	22.0	24.8	28.9	31.6	37.2
80°	5.5	5.5	5.5	6.9	6.9	8.3	13.8	15.1	16.5	20.6	22.0
82.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	8.3	9.6	12.4
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5	5.5	5.5
87.5°	4.1	4.1	4.1	2.8	2.8	4.1	4.1	4.1	4.1	4.1	4.1
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-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	4613.5	4605.3	4598.4	4602.5	4590.2	4584.6	4588.8	4590.2	4592.9	4599.8	4601.2
5°	4601.2	4598.4	4610.8	4617.7	4614.9	4617.7	4617.7	4612.2	4603.9	4609.4	4597.0
7.5°	4592.9	4575.0	4561.3	4564.0	4550.2	4566.8	4581.9	4603.9	4610.8	4610.8	4597.0
10°	4734.6	4715.4	4638.3	4586.0	4551.6	4521.4	4592.9	4520.0	4554.4	4423.7	4573.6
12.5°	4851.6	4877.7	4843.3	4700.2	4675.5	4584.6	4636.9	4547.5	4521.4	4371.4	4419.5
15°	4898.4	4848.8	4837.8	4797.9	4744.3	4718.1	4577.8	4562.6	4520.0	4536.5	4473.2
17.5°	4857.1	4881.9	4848.8	4822.7	4767.6	4705.7	4621.8	4547.5	4488.3	4356.2	4467.7
20°	4817.2	4850.2	4751.1	4767.6	4773.2	4701.6	4657.6	4595.7	4521.4	4397.5	4301.2
22.5°	4751.1	4727.7	4736.0	4711.2	4690.6	4700.2	4639.7	4597.0	4471.8	4415.4	4284.7
25°	4643.8	4635.6	4657.6	4654.8	4605.3	4588.8	4558.5	4513.1	4463.6	4372.8	4265.4
27.5°	4469.1	4511.7	4550.2	4568.1	4542.0	4498.0	4481.5	4455.3	4420.9	4328.7	4248.9
30°	4284.7	4332.9	4376.9	4415.4	4438.8	4419.5	4404.4	4389.3	4337.0	4276.4	4187.0
32.5°	4074.2	4137.5	4198.0	4244.8	4295.7	4310.8	4299.8	4287.4	4243.4	4188.4	4116.8
35°	3830.6	3917.3	4005.4	4089.3	4111.3	4147.1	4182.9	4162.2	4138.8	4083.8	4017.8
37.5°	3624.2	3686.2	3749.4	3855.4	3932.5	3977.9	4041.2	4049.4	4009.5	3983.4	3896.7
40°	3411.0	3467.4	3559.6	3621.5	3727.4	3779.7	3847.1	3877.4	3867.8	3852.6	3777.0
42.5°	3243.1	3270.6	3331.2	3386.2	3490.8	3598.1	3657.3	3690.3	3724.7	3712.3	3673.8
45°	3064.2	3089.0	3109.6	3157.8	3259.6	3354.6	3427.5	3477.0	3538.9	3567.8	3521.0
47.5°	2886.7	2893.6	2918.4	2958.3	3018.8	3091.7	3214.2	3288.5	3346.3	3402.7	3372.4
50°	2750.5	2725.7	2729.9	2754.6	2804.2	2875.7	2963.8	3068.4	3134.4	3203.2	3210.1
52.5°	2403.8	2604.7	2556.5	2570.3	2596.4	2630.8	2723.0	2826.2	2907.4	2966.5	3025.7
55°	2017.1	2057.0	2443.7	2388.6	2405.2	2435.4	2478.1	2581.3	2659.7	2742.3	2824.8
57.5°	1564.4	1861.7	1876.8	2234.5	2226.3	2229.0	2264.8	2324.0	2402.4	2505.6	2575.8
60°	1216.3	1341.5	1585.1	1708.9	2022.6	2033.6	2054.3	2088.7	2156.1	2253.8	2365.2
62.5°	1073.2	1089.7	1176.4	1362.2	1565.8	1812.1	1856.1	1861.7	1891.9	1989.6	2119.0
65°	942.5	953.5	979.7	998.9	1169.6	1407.6	1619.5	1653.9	1673.1	1730.9	1841.0
67.5°	649.4	821.4	844.8	858.6	875.1	985.2	1248.0	1422.7	1444.7	1495.7	1592.0
70°	125.2	260.1	711.4	726.5	734.8	759.5	802.2	1080.1	1226.0	1274.1	1318.2
72.5°	85.3	100.4	121.1	286.2	605.4	619.2	628.8	664.6	910.9	1051.2	1074.6
75°	61.9	68.8	81.2	100.4	123.8	403.2	499.5	517.4	535.2	738.9	857.2
77.5°	44.0	49.5	55.0	64.7	75.7	97.7	140.3	386.6	404.5	414.2	584.8
80°	24.8	30.3	37.2	42.7	48.2	55.0	71.5	89.4	199.5	291.7	306.8
82.5°	13.8	16.5	19.3	23.4	26.1	33.0	39.9	48.2	63.3	93.6	198.1
85°	6.9	6.9	6.9	9.6	11.0	15.1	17.9	20.6	28.9	39.9	55.0
87.5°	4.1	4.1	5.5	5.5	5.5	6.9	6.9	6.9	8.3	12.4	17.9
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-LD5-78SL-RM-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	356°	357°	358°	359°	360°
0°	4584.6	4584.6	4584.6	4584.6	4584.6
2.5°	4602.5	4598.4	4598.4	4614.9	4610.8
5°	4594.3	4590.2	4588.8	4606.7	4598.4
7.5°	4587.4	4572.3	4568.1	4584.6	4577.8
10°	4559.9	4548.9	4555.8	4550.2	4547.5
12.5°	4513.1	4506.2	4477.3	4480.1	4503.5
15°	4429.2	4456.7	4407.2	4451.2	4460.8
17.5°	4275.1	4337.0	4385.1	4411.3	4415.4
20°	4343.9	4364.5	4339.7	4341.1	4357.6
22.5°	4254.4	4264.1	4270.9	4262.7	4298.5
25°	4111.3	4074.2	4154.0	4170.5	4228.3
27.5°	4067.3	4037.0	4074.2	4071.4	4119.6
30°	4031.5	3933.8	3950.3	3976.5	4035.6
32.5°	3980.6	3826.5	3810.0	3867.8	3933.8
35°	3891.2	3745.3	3706.8	3743.9	3843.0
37.5°	3815.5	3632.5	3555.4	3605.0	3734.3
40°	3702.7	3544.4	3424.7	3468.8	3621.5
42.5°	3567.8	3468.8	3284.4	3314.7	3489.4
45°	3431.6	3343.5	3148.2	3163.3	3371.1
47.5°	3292.6	3211.5	3006.4	3009.2	3219.7
50°	3156.4	3049.1	2879.9	2831.7	3058.7
52.5°	2978.9	2879.9	2751.9	2673.5	2906.0
55°	2811.1	2699.6	2606.0	2485.0	2732.6
57.5°	2647.3	2523.5	2460.2	2304.7	2535.9
60°	2423.0	2363.9	2270.3	2121.7	2358.4
62.5°	2193.3	2174.0	2079.1	1924.9	2139.6
65°	1924.9	1970.4	1872.7	1740.6	1912.6
67.5°	1671.8	1753.0	1645.6	1564.4	1693.8
70°	1402.1	1495.7	1435.1	1406.2	1461.3
72.5°	1136.5	1227.3	1232.8	1212.2	1230.1
75°	877.9	978.3	1033.3	1001.7	1005.8
77.5°	666.0	714.1	774.7	799.4	793.9
80°	411.4	495.3	544.9	595.8	577.9
82.5°	207.8	277.9	338.5	393.5	367.4
85°	86.7	111.5	155.5	205.0	196.8
87.5°	26.1	44.0	46.8	66.0	61.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)