

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-LD5-70SL-RM-UNV-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-70SL-RM-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

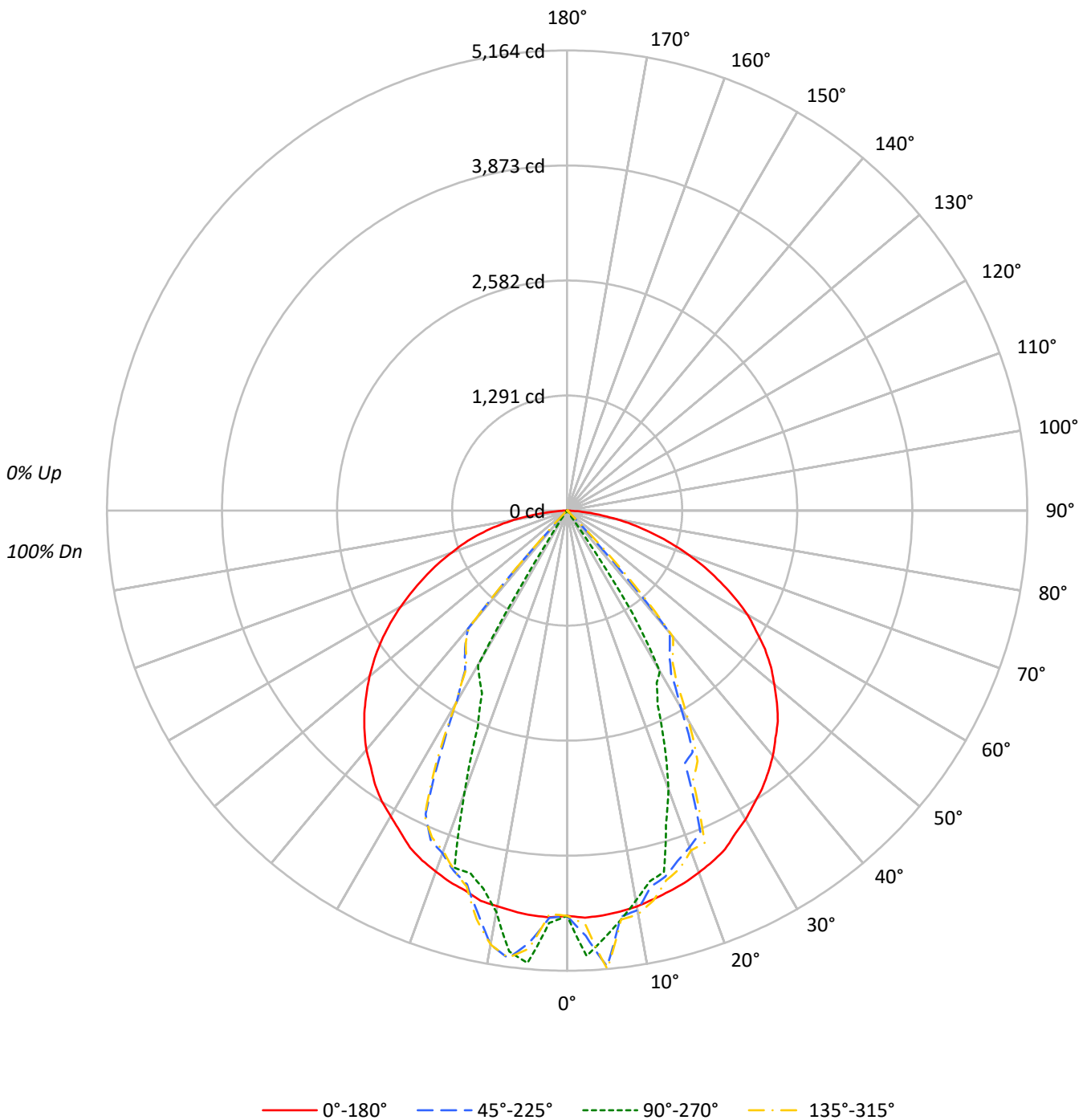
Lumens per Lamp: N/A  
Luminaire Lumens: 6466.0 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 50  
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-LD5-70SL-RM-UNV-L950-CD1-U

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				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°	18374	18374	18374	18374
5°	18474	18897	18469	20012
10°	18455	17100	18444	17593
15°	18431	15961	18385	16002
20°	18480	12572	18427	12726
25°	18562	9098	18471	8585
30°	18508	7981	18313	7672
35°	18598	176	18325	213
40°	18701	39	18254	39
45°	18812	23	18106	17
50°	18722	18	17863	18
55°	18676	12	17529	12
60°	18405	13	16966	13
65°	17549	22	16299	14
70°	16418	24	15630	24
75°	14716	27	14958	27
80°	12252	30	12953	30
85°	7678	36	7839	36



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-70SL-RM-UNV-L950-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	456.2	7.1
10°-20°	1244.4	19.2
20°-30°	1583.5	24.5
30°-40°	1337.6	20.7
40°-50°	874.5	13.5
50°-60°	551.0	8.5
60°-70°	293.3	4.5
70°-80°	106.9	1.7
80°-90°	18.4	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°	3284.2	50.8
0°-40°	4621.8	71.5
0°-60°	6047.3	93.5
0°-90°	6466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6466.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4547	4547	4547	4547	4547	
5°	4561	4812	4560	5096	4561	434
15°	4424	4199	4414	4210	4424	1251
25°	4194	2398	4173	2263	4194	1929
35°	3812	45	3756	55	3812	2385
45°	3344	6	3218	4	3344	2571
55°	2710	3	2544	3	2710	2415
65°	1897	4	1762	3	1897	1879
75°	998	4	1014	4	998	1059
85°	195	4	199	4	195	247
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°	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4573.3	4576.0	4577.4	4580.1	4584.2	4585.6	4588.3	4585.6	4585.6	4585.6	4585.6
5°	4561.0	4566.5	4570.6	4576.0	4585.6	4587.0	4597.9	4599.2	4604.7	4615.6	4623.8
7.5°	4540.6	4546.0	4554.2	4567.8	4581.5	4596.5	4615.6	4636.1	4664.7	4692.0	4726.2
10°	4510.5	4517.4	4526.9	4539.2	4606.1	4615.6	4657.9	4716.6	4733.0	4819.0	4883.1
12.5°	4466.9	4490.1	4514.6	4525.5	4589.7	4690.7	4832.6	4803.9	4772.6	5053.7	5049.6
15°	4424.5	4455.9	4443.7	4532.4	4591.0	4767.1	4707.1	4835.3	5070.1	5012.8	5015.5
17.5°	4379.5	4386.3	4454.6	4528.3	4633.4	4723.4	4797.1	4973.2	5019.6	5023.7	4973.2
20°	4322.2	4354.9	4454.6	4521.4	4698.9	4741.2	4900.8	4990.9	4971.8	4925.4	4839.4
22.5°	4263.5	4363.1	4464.1	4558.3	4682.5	4795.8	4874.9	4917.2	4817.6	4634.7	4536.5
25°	4193.9	4252.6	4385.0	4522.8	4678.4	4743.9	4790.3	4722.1	4592.4	4428.6	4263.5
27.5°	4086.1	4180.3	4349.5	4505.1	4645.6	4724.8	4649.7	4486.0	4277.2	4169.3	4094.3
30°	4002.8	4125.7	4264.9	4415.0	4561.0	4607.4	4416.4	4229.4	4086.1	3978.3	3961.9
32.5°	3901.8	4076.5	4208.9	4352.2	4475.0	4413.6	4228.0	3986.5	3867.7	3826.8	3843.2
35°	3811.8	3944.2	4117.5	4258.0	4346.8	4208.9	3915.5	3765.4	3708.0	3731.2	3701.2
37.5°	3704.0	3878.6	4038.3	4159.8	4129.8	3922.3	3673.9	3578.4	3585.2	3566.1	3508.8
40°	3592.0	3758.5	3925.0	4039.7	3934.6	3618.0	3452.8	3432.4	3436.5	3375.0	3293.2
42.5°	3461.0	3612.5	3779.0	3882.7	3656.2	3409.2	3297.3	3300.0	3264.5	3178.5	3134.8
45°	3343.7	3482.9	3656.2	3665.7	3387.3	3181.3	3148.5	3113.0	3033.9	3005.2	2972.4
47.5°	3193.5	3347.8	3491.1	3439.2	3123.9	2995.6	2971.1	2893.3	2853.7	2831.9	2804.6
50°	3033.9	3189.4	3320.5	3173.1	2875.5	2845.5	2765.0	2703.6	2676.3	2653.1	2628.5
52.5°	2882.4	3010.7	3144.4	2890.6	2684.5	2655.8	2564.4	2528.9	2501.6	2475.7	2470.2
55°	2710.4	2823.7	2915.1	2621.7	2501.6	2434.7	2369.2	2344.7	2318.7	2306.4	2326.9
57.5°	2515.2	2643.5	2629.9	2356.9	2303.7	2206.8	2182.2	2165.9	2146.8	2155.0	1984.4
60°	2339.2	2437.5	2370.6	2163.1	2073.1	2007.6	1985.7	1974.8	1985.7	1819.2	1599.5
62.5°	2122.2	2232.7	2097.6	1936.6	1841.1	1809.7	1790.6	1805.6	1645.9	1463.0	1409.8
65°	1897.0	2017.1	1817.9	1693.7	1633.6	1606.3	1605.0	1478.0	1321.1	1250.1	1250.1
67.5°	1680.0	1804.2	1547.6	1443.9	1420.7	1423.4	1344.3	1151.9	1108.2	1060.4	922.6
70°	1449.4	1558.6	1278.8	1216.0	1202.4	1192.8	1000.4	948.5	896.6	769.7	758.8
72.5°	1220.1	1273.3	1027.7	1012.7	1009.9	839.3	801.1	712.4	652.4	637.3	630.5
75°	997.6	981.3	812.0	825.7	696.0	636.0	574.6	522.7	514.5	509.1	126.9
77.5°	787.5	705.6	640.1	556.8	498.1	423.1	410.8	402.6	264.8	95.5	77.8
80°	573.2	457.2	425.8	361.7	308.4	296.2	303.0	92.8	73.7	61.4	53.2
82.5°	364.4	292.1	238.8	208.8	203.3	88.7	65.5	53.2	46.4	39.6	32.8
85°	195.2	129.7	120.1	101.0	60.0	40.9	34.1	25.9	21.8	17.7	16.4
87.5°	61.4	51.9	42.3	34.1	20.5	13.6	10.9	9.6	8.2	6.8	6.8
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-LD5-70SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4582.9	4585.6	4584.2	4588.3	4588.3	4593.8	4597.9	4602.0	4610.2	4614.2	4645.6
5°	4641.5	4648.4	4668.8	4687.9	4711.1	4718.0	4757.5	4767.1	4813.5	4819.0	4971.8
7.5°	4772.6	4798.5	4847.6	4896.8	4945.9	4977.3	5031.9	5066.0	5102.8	5135.6	5257.0
10°	4930.9	4974.5	5022.3	5071.4	5100.1	5160.2	5192.9	5198.4	5188.8	5135.6	4939.1
12.5°	5086.5	5130.1	5109.7	5119.2	5153.3	5046.9	5061.9	4985.5	5038.7	4775.3	4580.1
15°	5064.6	5061.9	5011.4	4847.6	4874.9	4671.6	4589.7	4526.9	4577.4	4550.1	4520.1
17.5°	4999.1	4874.9	4787.6	4591.0	4507.8	4450.5	4451.8	4453.2	4428.6	4454.6	4378.1
20°	4722.1	4582.9	4453.2	4383.6	4359.0	4318.1	4338.6	4318.1	4319.5	4327.6	4210.3
22.5°	4353.6	4311.3	4236.2	4258.0	4249.9	4286.7	4259.4	4217.1	4230.8	4169.3	4080.6
25°	4204.8	4155.7	4153.0	4161.1	4148.9	4132.5	4107.9	4043.8	4039.7	4020.6	3979.6
27.5°	4054.7	4057.4	4065.6	4041.0	3997.4	3964.6	3927.8	3896.4	3908.7	3886.8	3830.9
30°	3951.0	3949.6	3900.5	3878.6	3798.1	3799.5	3789.9	3770.8	3758.5	3759.9	3724.4
32.5°	3803.6	3761.3	3705.3	3678.0	3671.2	3646.6	3627.5	3631.6	3641.2	3607.1	3643.9
35°	3652.1	3564.7	3556.6	3533.4	3511.5	3495.1	3502.0	3474.7	3473.3	3469.2	3169.0
37.5°	3448.7	3406.4	3402.3	3377.8	3362.8	3358.7	3332.7	3336.8	3349.1	3371.0	2702.2
40°	3280.9	3242.7	3233.1	3231.7	3199.0	3196.3	3203.1	3229.0	3246.8	3110.3	2575.3
42.5°	3100.7	3103.5	3073.4	3054.3	3058.4	3070.7	3103.5	3013.4	2610.8	2488.0	2354.2
45°	2946.5	2932.9	2916.5	2911.0	2946.5	2921.9	2561.7	2363.8	2316.0	2310.5	1935.2
47.5°	2785.5	2781.4	2774.6	2778.6	2576.7	2296.9	2215.0	2189.1	2197.3	2191.8	1662.3
50°	2623.1	2628.5	2628.5	2295.5	2107.2	2060.8	2067.6	2090.8	1946.1	1816.5	1549.0
52.5°	2482.5	2440.2	2090.8	1970.7	1928.4	1948.9	1899.7	1718.2	1587.2	1510.8	1433.0
55°	2221.8	1910.7	1832.9	1813.8	1828.8	1647.3	1535.4	1418.0	1383.9	1375.7	1330.6
57.5°	1748.3	1685.5	1692.3	1615.9	1442.5	1340.2	1295.2	1278.8	1263.8	1252.8	109.2
60°	1546.3	1564.0	1431.6	1267.9	1198.3	1184.6	1173.7	1158.7	1156.0	1136.8	69.6
62.5°	1415.3	1244.7	1130.0	1089.1	1072.7	1068.6	1048.1	1041.3	884.4	121.5	51.9
65°	1067.2	997.6	975.8	966.2	948.5	948.5	787.5	124.2	101.0	87.3	46.4
67.5°	870.7	865.3	854.3	842.1	573.2	120.1	105.1	91.4	79.2	69.6	40.9
70°	737.0	734.2	668.7	122.8	102.4	90.1	79.2	71.0	65.5	58.7	36.8
72.5°	604.6	122.8	103.7	90.1	77.8	71.0	64.1	57.3	51.9	47.8	30.0
75°	94.2	83.3	73.7	66.9	61.4	54.6	49.1	45.0	43.7	38.2	20.5
77.5°	68.2	58.7	53.2	47.8	42.3	38.2	32.8	28.7	25.9	21.8	15.0
80°	47.8	42.3	38.2	31.4	27.3	23.2	20.5	17.7	16.4	13.6	6.8
82.5°	27.3	23.2	20.5	16.4	15.0	12.3	10.9	9.6	9.6	6.8	6.8
85°	12.3	12.3	9.6	8.2	6.8	6.8	6.8	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	2.7
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-LD5-70SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4689.3	4707.1	4741.2	4776.7	4737.1	4879.0	4868.1	4915.9	4941.8	4954.1	4982.7
5°	5106.9	5186.1	5212.0	5134.2	5089.2	5042.8	4937.7	4858.5	4868.1	4842.2	4748.0
7.5°	5098.7	4929.5	4701.6	4597.9	4589.7	4577.4	4610.2	4629.3	4632.0	4630.6	4627.9
10°	4667.5	4580.1	4565.1	4551.5	4556.9	4506.4	4483.2	4417.7	4453.2	4434.1	4440.9
12.5°	4536.5	4516.0	4435.5	4323.6	4390.4	4339.9	4311.3	4330.4	4308.5	4288.1	4281.2
15°	4458.7	4326.3	4281.2	4254.0	4234.8	4223.9	4233.5	4211.6	4204.8	4200.7	4210.3
17.5°	4297.6	4244.4	4195.3	4122.9	4124.3	4120.2	4147.5	4188.4	4191.2	3981.0	3791.3
20°	4170.7	4127.0	4064.3	4019.2	4080.6	3971.4	3549.7	3349.1	3317.7	3317.7	3323.2
22.5°	4069.7	3972.8	3976.9	3905.9	3331.4	3214.0	3216.7	3229.0	3173.1	2982.0	2961.5
25°	3931.9	3916.9	3618.0	3126.7	3130.8	3039.3	2898.7	2700.9	2486.6	2486.6	2451.1
27.5°	3828.1	3510.2	3073.4	3053.0	2745.9	2552.1	2432.0	2250.5	2225.9	2202.7	2205.4
30°	3739.4	2969.7	2980.6	2552.1	2325.5	2164.5	2155.0	2124.9	2109.9	2105.8	2090.8
32.5°	2956.1	2891.9	2494.8	2172.7	2084.0	2058.1	2045.8	2011.7	2010.3	1984.4	1804.2
35°	2771.8	2538.5	2088.1	2000.7	1974.8	1950.2	1929.8	1295.2	152.9	61.4	53.2
37.5°	2561.7	2120.8	1931.1	1891.6	1867.0	1379.8	137.8	47.8	34.1	24.6	21.8
40°	2171.3	1894.3	1834.2	1790.6	738.3	47.8	30.0	23.2	13.6	12.3	10.9
42.5°	1831.5	1785.1	1721.0	524.1	54.6	23.2	15.0	10.9	9.6	9.6	8.2
45°	1714.1	1673.2	693.3	51.9	34.1	10.9	9.6	9.6	8.2	5.5	5.5
47.5°	1605.0	1412.5	62.8	32.8	21.8	9.6	8.2	5.5	5.5	5.5	4.1
50°	1489.0	77.8	43.7	24.6	13.6	5.5	5.5	5.5	5.5	4.1	4.1
52.5°	278.4	54.6	35.5	21.8	6.8	5.5	5.5	5.5	4.1	4.1	4.1
55°	65.5	43.7	32.8	19.1	5.5	5.5	5.5	4.1	4.1	4.1	2.7
57.5°	49.1	32.8	25.9	17.7	5.5	4.1	4.1	4.1	4.1	4.1	2.7
60°	40.9	23.2	20.5	16.4	4.1	4.1	4.1	4.1	4.1	4.1	2.7
62.5°	28.7	19.1	15.0	12.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1
65°	23.2	15.0	12.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
67.5°	20.5	12.3	8.2	2.7	4.1	4.1	4.1	4.1	4.1	4.1	4.1
70°	16.4	4.1	4.1	2.7	4.1	4.1	4.1	4.1	4.1	4.1	4.1
72.5°	13.6	4.1	2.7	2.7	4.1	4.1	4.1	4.1	4.1	4.1	4.1
75°	13.6	6.8	2.7	2.7	4.1	4.1	5.5	5.5	4.1	4.1	4.1
77.5°	9.6	6.8	2.7	2.7	4.1	4.1	5.5	5.5	4.1	4.1	4.1
80°	5.5	6.8	2.7	4.1	4.1	8.2	9.6	5.5	4.1	4.1	4.1
82.5°	5.5	6.8	8.2	8.2	4.1	6.8	8.2	6.8	5.5	4.1	4.1
85°	5.5	4.1	5.5	6.8	4.1	6.8	6.8	5.5	5.5	4.1	4.1
87.5°	2.7	4.1	4.1	5.5	5.5	5.5	6.8	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-LD5-70SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4996.4	5001.8	4915.9	4885.8	4911.8	4906.3	4883.1	4797.1	4787.6	4730.3	4647.0
5°	4775.3	4812.1	4767.1	4844.9	4808.0	4844.9	4956.8	5008.7	5093.3	5145.1	5164.2
7.5°	4621.1	4629.3	4629.3	4636.1	4642.9	4644.3	4636.1	4630.6	4607.4	4578.8	4630.6
10°	4434.1	4443.7	4460.0	4457.3	4455.9	4484.6	4491.4	4550.1	4547.4	4558.3	4597.9
12.5°	4337.2	4263.5	4330.4	4312.6	4337.2	4299.0	4370.0	4357.7	4361.8	4394.5	4479.1
15°	4176.2	4199.4	4215.7	4215.7	4225.3	4217.1	4208.9	4264.9	4299.0	4300.4	4294.9
17.5°	3866.4	3690.3	3870.5	3824.1	4193.9	4203.5	4172.1	4146.1	4146.1	4166.6	4210.3
20°	3319.1	3323.2	3324.6	3342.3	3364.1	3362.8	3364.1	3901.8	4157.1	4098.4	4058.8
22.5°	2909.7	2859.2	2953.3	2946.5	3063.9	3193.5	3317.7	3305.4	3313.6	3693.0	4034.2
25°	2332.4	2397.9	2344.7	2367.9	2500.2	2654.5	2750.0	2999.7	3271.3	3252.2	3340.9
27.5°	2195.9	2178.2	2202.7	2202.7	2220.5	2240.9	2294.2	2434.7	2676.3	2930.1	3170.3
30°	2066.2	2081.3	2084.0	2108.6	2122.2	2135.8	2144.0	2197.3	2251.9	2427.9	2724.1
32.5°	1551.7	1360.7	1790.6	1906.6	2004.8	2028.0	2044.4	2066.2	2105.8	2131.8	2280.5
35°	45.0	45.0	47.8	54.6	69.6	469.5	1787.8	1970.7	1996.6	2029.4	2056.7
37.5°	21.8	16.4	19.1	20.5	24.6	34.1	49.1	152.9	1701.9	1924.3	1954.3
40°	9.6	9.6	9.6	9.6	10.9	13.6	20.5	34.1	51.9	1368.9	1846.5
42.5°	8.2	8.2	8.2	8.2	8.2	8.2	9.6	12.3	24.6	58.7	969.0
45°	5.5	5.5	4.1	5.5	5.5	6.8	8.2	8.2	10.9	36.8	66.9
47.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.8	8.2	24.6	35.5
50°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	19.1	24.6
52.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2	21.8
55°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	5.5	19.1
57.5°	2.7	2.7	2.7	2.7	2.7	4.1	2.7	2.7	4.1	4.1	17.7
60°	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1	4.1	4.1	16.4
62.5°	4.1	4.1	2.7	4.1	2.7	2.7	4.1	4.1	4.1	4.1	10.9
65°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.7	4.1
67.5°	4.1	4.1	4.1	4.1	2.7	4.1	2.7	4.1	4.1	2.7	2.7
70°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7
72.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7
75°	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5	2.7	2.7	2.7
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	6.8	8.2	6.8	6.8	2.7
80°	4.1	4.1	4.1	4.1	4.1	4.1	6.8	6.8	6.8	6.8	9.6
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5	5.5	5.5	6.8
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-LD5-70SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4653.8	4607.4	4592.4	4561.0	4558.3	4561.0	4554.2	4544.6	4550.1	4540.6	4532.4
5°	5175.2	5051.0	4970.4	4862.6	4713.9	4681.1	4672.9	4626.5	4610.2	4604.7	4582.9
7.5°	4753.5	4980.0	5116.5	5162.9	4988.2	4947.2	4899.5	4861.3	4824.4	4754.8	4712.5
10°	4566.5	4577.4	4708.4	4861.3	5109.7	5143.8	5169.7	5086.5	5063.3	4885.8	4847.6
12.5°	4522.8	4524.2	4539.2	4632.0	4827.2	4849.0	4940.4	4989.6	5049.6	5083.7	5056.4
15°	4323.6	4434.1	4516.0	4524.2	4541.9	4580.1	4607.4	4778.0	4850.4	5044.1	5033.2
17.5°	4230.8	4266.2	4385.0	4481.9	4465.5	4451.8	4473.7	4496.9	4566.5	4760.3	4757.5
20°	4076.5	4189.8	4254.0	4354.9	4446.4	4450.5	4425.9	4412.3	4385.0	4416.4	4445.0
22.5°	4011.0	4028.8	4148.9	4219.8	4323.6	4360.4	4365.9	4367.2	4352.2	4335.8	4327.6
25°	4004.2	3948.2	4009.7	4098.4	4174.8	4214.4	4259.4	4274.4	4269.0	4269.0	4260.8
27.5°	3276.8	3930.5	3897.7	3956.4	4049.2	4076.5	4099.7	4146.1	4174.8	4195.3	4204.8
30°	3121.2	3238.6	3810.4	3818.6	3912.8	3910.0	3936.0	3974.2	4011.0	4058.8	4071.1
32.5°	2760.9	3048.9	3488.3	3680.8	3779.0	3788.6	3802.2	3813.1	3847.3	3900.5	3946.9
35°	2212.3	2777.3	2988.8	3615.2	3633.0	3652.1	3660.3	3686.2	3697.1	3719.0	3759.9
37.5°	2002.1	2295.5	2867.4	3126.7	3465.1	3481.5	3525.2	3536.1	3553.8	3571.6	3603.0
40°	1880.6	1961.2	2387.0	2792.3	3330.0	3340.9	3355.9	3383.2	3384.6	3405.1	3433.7
42.5°	1783.7	1835.6	1959.8	2666.7	3234.5	3233.1	3197.6	3215.4	3223.6	3245.4	3285.0
45°	1424.8	1722.3	1801.5	2178.2	2575.3	2760.9	3117.1	3058.4	3057.1	3065.2	3107.6
47.5°	72.3	1620.0	1675.9	1797.4	2432.0	2438.8	2485.2	2875.5	2935.6	2916.5	2920.6
50°	49.1	111.9	1561.3	1617.2	2096.3	2265.5	2299.6	2317.4	2542.5	2793.7	2752.7
52.5°	38.2	64.1	956.7	1501.2	1703.2	1827.4	2047.1	2172.7	2186.3	2287.3	2629.9
55°	34.1	49.1	103.7	1385.2	1448.0	1475.3	1603.6	1823.3	2000.7	2054.0	2058.1
57.5°	30.0	45.0	71.0	626.4	1317.0	1322.5	1344.3	1420.7	1580.4	1726.4	1891.6
60°	27.3	39.6	56.0	107.8	1196.9	1210.5	1214.6	1235.1	1254.2	1353.8	1543.5
62.5°	16.4	31.4	49.1	77.8	947.1	1087.7	1086.3	1100.0	1117.7	1128.7	1166.9
65°	13.6	24.6	42.3	65.5	116.0	144.7	878.9	977.2	988.1	1003.1	1009.9
67.5°	12.3	21.8	31.4	51.9	87.3	99.6	114.6	141.9	775.2	873.4	887.1
70°	10.9	15.0	25.9	43.7	71.0	76.4	86.0	98.3	116.0	143.3	701.5
72.5°	6.8	10.9	17.7	31.4	54.6	61.4	66.9	75.1	83.3	99.6	114.6
75°	2.7	8.2	15.0	23.2	42.3	46.4	50.5	56.0	62.8	73.7	81.9
77.5°	2.7	6.8	12.3	16.4	27.3	31.4	36.8	40.9	46.4	51.9	60.0
80°	9.6	5.5	8.2	12.3	19.1	20.5	23.2	25.9	30.0	34.1	39.6
82.5°	6.8	8.2	9.6	8.2	9.6	12.3	13.6	16.4	17.7	20.5	21.8
85°	5.5	5.5	6.8	6.8	6.8	6.8	6.8	6.8	8.2	9.6	12.3
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-LD5-70SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4532.4	4529.6	4521.4	4521.4	4520.1	4525.5	4529.6	4533.7	4532.4	4540.6	4532.4
5°	4566.5	4559.7	4547.4	4536.5	4532.4	4535.1	4531.0	4535.1	4529.6	4536.5	4524.2
7.5°	4660.6	4637.4	4589.7	4570.6	4546.0	4544.6	4532.4	4529.6	4521.4	4521.4	4506.4
10°	4827.2	4715.2	4701.6	4644.3	4623.8	4524.2	4546.0	4509.2	4505.1	4487.3	4480.5
12.5°	4963.6	4876.3	4850.4	4799.9	4742.5	4540.6	4585.6	4506.4	4502.3	4466.9	4430.0
15°	4966.4	5016.9	4945.9	4806.7	4794.4	4655.2	4563.8	4536.5	4501.0	4394.5	4412.3
17.5°	4806.7	4922.7	4956.8	4926.8	4839.4	4745.3	4617.0	4562.4	4455.9	4408.2	4375.4
20°	4547.4	4664.7	4810.8	4820.3	4874.9	4808.0	4640.2	4551.5	4423.2	4339.9	4312.6
22.5°	4341.3	4427.3	4595.1	4672.9	4739.8	4763.0	4656.6	4525.5	4365.9	4285.3	4269.0
25°	4232.1	4251.2	4301.7	4393.2	4540.6	4647.0	4662.0	4522.8	4439.6	4263.5	4170.7
27.5°	4192.5	4176.2	4155.7	4202.1	4312.6	4442.3	4528.3	4551.5	4344.0	4176.2	4083.4
30°	4091.5	4101.1	4069.7	4053.3	4125.7	4259.4	4412.3	4450.5	4290.8	4117.5	4011.0
32.5°	3967.4	3983.7	3989.2	3960.5	3945.5	4038.3	4203.5	4294.9	4286.7	4034.2	3915.5
35°	3811.8	3858.2	3870.5	3871.8	3847.3	3832.2	3927.8	4117.5	4189.8	3996.0	3824.1
37.5°	3648.0	3661.6	3728.5	3746.3	3746.3	3701.2	3772.2	3923.7	4024.7	3910.0	3712.1
40°	3443.3	3487.0	3549.7	3581.1	3612.5	3616.6	3577.0	3683.5	3850.0	3821.3	3607.1
42.5°	3294.5	3323.2	3361.4	3403.7	3467.9	3484.2	3443.3	3462.4	3635.7	3710.8	3470.6
45°	3121.2	3159.4	3170.3	3216.7	3283.6	3331.4	3330.0	3290.4	3429.6	3522.4	3371.0
47.5°	2943.8	2980.6	2999.7	3022.9	3072.1	3133.5	3167.6	3149.9	3177.2	3358.7	3238.6
50°	2760.9	2781.4	2819.6	2845.5	2878.3	2913.8	2995.6	3012.0	2973.8	3118.5	3092.5
52.5°	2587.6	2594.4	2620.3	2646.3	2689.9	2715.9	2781.4	2830.5	2827.8	2870.1	2930.1
55°	2452.5	2422.4	2427.9	2448.4	2477.0	2516.6	2553.5	2629.9	2655.8	2664.0	2759.5
57.5°	1916.1	2224.6	2251.9	2250.5	2284.6	2302.3	2336.5	2387.0	2479.8	2459.3	2565.7
60°	1741.4	1775.6	2033.5	2063.5	2075.8	2092.2	2133.1	2179.5	2247.8	2291.4	2337.8
62.5°	1327.9	1535.4	1613.1	1841.1	1876.5	1886.1	1913.4	1935.2	2006.2	2105.8	2086.7
65°	1027.7	1116.4	1353.8	1446.6	1640.4	1665.0	1703.2	1726.4	1746.9	1861.5	1867.0
67.5°	888.5	902.1	966.2	1145.0	1267.9	1457.6	1480.8	1501.2	1532.6	1614.5	1665.0
70°	758.8	775.2	792.9	807.9	967.6	1093.2	1269.2	1276.0	1296.5	1351.1	1465.8
72.5°	143.3	648.3	659.2	668.7	686.5	769.7	937.6	1074.1	1082.3	1108.2	1213.3
75°	96.9	113.3	155.6	535.0	552.7	558.2	586.8	757.4	883.0	888.5	934.9
77.5°	69.6	77.8	94.2	111.9	285.2	428.5	435.4	466.7	596.4	690.6	698.8
80°	47.8	53.2	62.8	71.0	87.3	114.6	316.6	326.2	342.6	472.2	496.8
82.5°	27.3	31.4	36.8	45.0	51.9	65.5	84.6	109.2	222.5	237.5	315.3
85°	13.6	15.0	17.7	21.8	25.9	31.4	42.3	51.9	71.0	128.3	132.4
87.5°	6.8	6.8	6.8	6.8	10.9	12.3	15.0	19.1	24.6	36.8	47.8
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-LD5-70SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4533.7	4552.8	4569.2	4573.3	4573.3	4576.0	4580.1	4582.9	4585.6	4588.3	4585.6
5°	4525.5	4546.0	4559.7	4563.8	4563.8	4571.9	4578.8	4587.0	4591.0	4591.0	4588.3
7.5°	4505.1	4520.1	4537.8	4548.7	4550.1	4563.8	4576.0	4574.7	4580.1	4582.9	4589.7
10°	4477.8	4477.8	4507.8	4516.0	4522.8	4537.8	4541.9	4550.1	4569.2	4571.9	4589.7
12.5°	4464.1	4450.5	4486.0	4490.1	4513.3	4494.1	4518.7	4526.9	4507.8	4533.7	4499.6
15°	4402.7	4419.1	4413.6	4425.9	4466.9	4445.0	4511.9	4490.1	4539.2	4480.5	4584.2
17.5°	4352.2	4349.5	4371.3	4382.2	4390.4	4436.8	4454.6	4479.1	4498.2	4481.9	4522.8
20°	4315.4	4293.5	4309.9	4322.2	4350.8	4386.3	4397.3	4360.4	4424.5	4533.7	4559.7
22.5°	4245.8	4230.8	4249.9	4249.9	4293.5	4288.1	4329.0	4305.8	4365.9	4492.8	4625.2
25°	4151.6	4153.0	4173.4	4198.0	4206.2	4267.6	4289.4	4319.5	4394.5	4546.0	4626.5
27.5°	4056.1	4047.9	4060.2	4110.7	4153.0	4198.0	4204.8	4307.2	4409.5	4513.3	4584.2
30°	3960.5	3952.3	3960.5	3997.4	4047.9	4077.9	4153.0	4289.4	4385.0	4455.9	4522.8
32.5°	3858.2	3850.0	3869.1	3896.4	3985.1	3989.2	4137.9	4266.2	4341.3	4393.2	4380.9
35°	3749.0	3738.1	3755.8	3798.1	3880.0	3910.0	4065.6	4161.1	4245.8	4270.3	4213.0
37.5°	3618.0	3598.9	3620.7	3679.4	3765.4	3852.7	3982.4	4092.9	4137.9	4072.4	4004.2
40°	3481.5	3467.9	3506.1	3536.1	3637.1	3758.5	3907.3	3985.1	3956.4	3881.4	3806.3
42.5°	3360.0	3331.4	3365.5	3422.8	3537.5	3675.3	3795.4	3839.1	3770.8	3660.3	3572.9
45°	3211.3	3177.2	3218.1	3294.5	3417.4	3574.3	3668.5	3653.5	3537.5	3441.9	3321.8
47.5°	3055.7	3014.8	3055.7	3147.1	3285.0	3451.5	3519.7	3451.5	3305.4	3185.3	3088.4
50°	2902.8	2855.1	2894.7	3032.5	3167.6	3295.9	3294.5	3162.1	3074.8	2943.8	2859.2
52.5°	2751.4	2683.1	2722.7	2872.8	3007.9	3154.0	3046.1	2923.3	2818.2	2703.6	2676.3
55°	2564.4	2490.7	2543.9	2762.3	2866.0	2952.0	2780.0	2672.2	2568.5	2511.2	2477.0
57.5°	2387.0	2306.4	2352.8	2610.8	2687.2	2709.0	2550.7	2397.9	2336.5	2317.4	2268.2
60°	2204.1	2112.6	2156.3	2453.8	2507.1	2418.4	2262.8	2144.0	2131.8	2093.5	2055.3
62.5°	2029.4	1928.4	1955.7	2258.7	2283.2	2122.2	1978.9	1947.5	1917.5	1879.3	1858.8
65°	1828.8	1723.7	1761.9	2051.2	2028.0	1820.6	1740.1	1733.2	1693.7	1662.3	1692.3
67.5°	1644.5	1520.3	1573.6	1824.7	1719.6	1550.4	1517.6	1501.2	1469.8	1487.6	1172.3
70°	1442.5	1307.4	1379.8	1580.4	1424.8	1312.9	1300.6	1276.0	1277.4	1015.4	855.7
72.5°	1217.4	1100.0	1205.1	1312.9	1127.3	1094.5	1076.8	1074.1	866.6	704.2	664.6
75°	1019.5	900.7	1014.0	1055.0	898.0	876.2	874.8	723.3	569.1	543.2	530.9
77.5°	795.7	704.2	812.0	750.6	689.2	664.6	596.4	447.6	428.5	410.8	154.2
80°	536.4	543.2	606.0	517.2	491.3	419.0	330.3	316.6	273.0	109.2	86.0
82.5°	326.2	409.4	386.2	323.4	316.6	227.9	208.8	106.5	79.2	62.8	54.6
85°	169.2	207.4	199.3	176.1	131.0	117.4	65.5	50.5	40.9	31.4	25.9
87.5°	57.3	76.4	73.7	58.7	45.0	35.5	23.2	19.1	13.6	10.9	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-LD5-70SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4582.9	4582.9	4580.1	4582.9	4584.2	4581.5	4581.5	4584.2	4585.6	4587.0	4593.8
5°	4589.7	4592.4	4596.5	4604.7	4606.1	4622.4	4629.3	4633.4	4637.4	4638.8	4629.3
7.5°	4604.7	4614.2	4622.4	4621.1	4611.5	4585.6	4577.4	4570.6	4582.9	4614.2	4651.1
10°	4618.3	4574.7	4492.8	4604.7	4570.6	4602.0	4694.8	4715.2	4778.0	4866.7	4892.7
12.5°	4524.2	4644.3	4670.2	4544.6	4776.7	4690.7	4793.0	4883.1	4909.0	4999.1	4944.5
15°	4625.2	4683.9	4723.4	4849.0	4835.3	4909.0	4937.7	4920.0	4924.0	4947.2	5008.7
17.5°	4623.8	4741.2	4767.1	4851.7	4909.0	4910.4	4902.2	4894.0	4915.9	4933.6	4896.8
20°	4703.0	4741.2	4791.7	4825.8	4836.7	4850.4	4876.3	4855.8	4814.9	4775.3	4758.9
22.5°	4663.4	4749.4	4793.0	4798.5	4791.7	4749.4	4711.1	4653.8	4634.7	4614.2	4621.1
25°	4671.6	4711.1	4705.7	4683.9	4655.2	4576.0	4556.9	4532.4	4495.5	4406.8	4326.3
27.5°	4612.9	4592.4	4567.8	4514.6	4462.8	4420.5	4372.7	4293.5	4228.0	4132.5	4097.0
30°	4514.6	4432.7	4372.7	4341.3	4290.8	4219.8	4147.5	4050.6	3967.4	3948.2	3930.5
32.5°	4326.3	4245.8	4196.6	4120.2	4034.2	3949.6	3866.4	3828.1	3810.4	3813.1	3796.8
35°	4133.9	4062.9	3989.2	3874.5	3810.4	3725.8	3695.8	3687.6	3671.2	3653.5	3634.4
37.5°	3929.1	3845.9	3735.3	3667.1	3603.0	3568.8	3553.8	3541.5	3512.9	3481.5	3459.7
40°	3731.2	3581.1	3519.7	3452.8	3433.7	3418.7	3396.9	3366.9	3327.3	3321.8	3312.3
42.5°	3466.5	3358.7	3305.4	3291.8	3268.6	3242.7	3223.6	3190.8	3174.4	3185.3	3193.5
45°	3215.4	3160.8	3143.0	3126.7	3083.0	3046.1	3033.9	3022.9	3036.6	3096.6	2953.3
47.5°	3012.0	2990.2	2968.3	2941.1	2900.1	2872.8	2885.1	2896.0	2908.3	2467.5	2251.9
50°	2836.0	2805.9	2771.8	2741.8	2717.2	2714.5	2778.6	2586.2	2165.9	2155.0	1936.6
52.5°	2643.5	2598.5	2578.0	2560.3	2571.2	2612.1	2161.8	2006.2	1924.3	1671.8	1559.9
55°	2436.1	2396.5	2396.5	2412.9	2354.2	1907.9	1884.7	1629.5	1475.3	1431.6	1413.9
57.5°	2228.7	2224.6	2247.8	2055.3	1731.9	1660.9	1396.1	1340.2	1315.6	1310.2	1281.5
60°	2038.9	2077.2	1738.7	1599.5	1390.7	1254.2	1216.0	1209.2	1183.2	1173.7	1147.8
62.5°	1887.5	1565.4	1457.6	1190.1	1120.5	1102.7	1082.3	1072.7	1049.5	926.7	271.6
65°	1363.4	1288.3	1045.4	1000.4	994.9	969.0	960.8	863.9	203.3	136.5	116.0
67.5°	1029.0	913.0	881.6	873.4	847.5	795.7	236.1	135.1	116.0	101.0	88.7
70°	790.2	769.7	746.5	727.4	214.3	133.7	116.0	98.3	84.6	75.1	68.2
72.5°	646.9	633.2	368.5	140.6	114.6	96.9	86.0	75.1	65.5	60.0	54.6
75°	506.3	140.6	116.0	96.9	83.3	71.0	62.8	56.0	50.5	46.4	42.3
77.5°	114.6	92.8	79.2	66.9	60.0	53.2	47.8	40.9	36.8	32.8	27.3
80°	71.0	61.4	51.9	47.8	40.9	34.1	30.0	27.3	21.8	20.5	17.7
82.5°	46.4	36.8	32.8	27.3	21.8	20.5	17.7	13.6	12.3	10.9	9.6
85°	20.5	17.7	15.0	12.3	9.6	8.2	6.8	5.5	5.5	5.5	5.5
87.5°	6.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.7	2.7
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-LD5-70SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4596.5	4621.1	4644.3	4637.4	4612.9	4574.7	4563.8	4548.7	4559.7	4582.9	4592.4
5°	4629.3	4615.6	4664.7	4737.1	4854.4	4865.4	4947.2	4966.4	5031.9	5072.8	5071.4
7.5°	4675.7	4869.5	4950.0	5037.3	5076.9	5067.3	5079.6	5070.1	5055.1	5048.2	5040.1
10°	4911.8	5059.2	5089.2	5089.2	5027.8	4944.5	4909.0	4847.6	4724.8	4727.5	4707.1
12.5°	5049.6	5101.5	5030.5	4970.4	4723.4	4627.9	4524.2	4475.0	4446.4	4402.7	4419.1
15°	4977.3	4903.6	4861.3	4667.5	4516.0	4344.0	4346.8	4316.7	4285.3	4288.1	4267.6
17.5°	4870.8	4812.1	4511.9	4378.1	4304.4	4237.6	4225.3	4185.7	4165.2	4158.4	4157.1
20°	4724.8	4513.3	4289.4	4256.7	4168.0	4091.5	4079.3	4091.5	4154.3	4042.4	3663.0
22.5°	4554.2	4249.9	4184.3	4091.5	4031.5	4001.5	4076.5	3735.3	3219.5	3282.2	3215.4
25°	4264.9	4132.5	4020.6	3949.6	3942.8	3758.5	3132.1	3066.6	2735.0	2557.6	2358.3
27.5°	4053.3	3996.0	3878.6	3866.4	3777.7	3073.4	2747.3	2387.0	2254.6	2234.1	2190.4
30°	3925.0	3843.2	3772.2	3462.4	3014.8	2474.3	2204.1	2153.6	2130.4	2105.8	2067.6
32.5°	3770.8	3693.0	3727.2	2911.0	2403.3	2130.4	2075.8	2038.9	1996.6	1980.3	1842.4
35°	3613.9	3578.4	2912.4	2447.0	2066.2	2000.7	1959.8	1921.6	1528.5	369.8	125.6
37.5°	3446.0	3437.8	2617.6	2030.8	1935.2	1873.8	1757.8	363.0	86.0	58.7	43.7
40°	3315.0	2619.0	2069.0	1903.8	1826.0	1729.1	242.9	60.0	38.2	23.2	15.0
42.5°	3227.7	2355.6	1852.0	1786.5	1617.2	178.8	61.4	25.9	15.0	12.3	9.6
45°	2488.0	1860.2	1730.5	1662.3	204.7	61.4	35.5	12.3	9.6	8.2	5.5
47.5°	2295.5	1689.6	1613.1	363.0	68.2	32.8	24.6	8.2	5.5	5.5	5.5
50°	1738.7	1561.3	1284.2	88.7	43.7	23.2	17.7	5.5	5.5	5.5	4.1
52.5°	1524.4	1441.2	137.8	58.7	34.1	17.7	10.9	4.1	4.1	4.1	4.1
55°	1393.4	914.4	81.9	45.0	28.7	16.4	6.8	4.1	4.1	4.1	2.7
57.5°	1274.7	122.8	60.0	38.2	25.9	15.0	4.1	4.1	4.1	4.1	2.7
60°	1080.9	88.7	49.1	34.1	24.6	13.6	4.1	4.1	4.1	4.1	4.1
62.5°	140.6	69.6	42.3	30.0	17.7	10.9	2.7	4.1	4.1	4.1	4.1
65°	102.4	54.6	38.2	20.5	10.9	4.1	2.7	4.1	4.1	4.1	4.1
67.5°	79.2	45.0	28.7	17.7	9.6	2.7	2.7	4.1	4.1	4.1	4.1
70°	62.8	38.2	23.2	15.0	8.2	2.7	2.7	4.1	4.1	4.1	4.1
72.5°	49.1	27.3	16.4	8.2	5.5	2.7	2.7	4.1	4.1	4.1	4.1
75°	36.8	21.8	12.3	6.8	2.7	2.7	2.7	4.1	4.1	4.1	4.1
77.5°	24.6	13.6	9.6	5.5	5.5	5.5	6.8	6.8	4.1	4.1	4.1
80°	16.4	9.6	6.8	6.8	6.8	5.5	6.8	6.8	4.1	6.8	4.1
82.5°	8.2	6.8	6.8	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°	2.7	2.7	2.7	2.7	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-LD5-70SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4580.1	4584.2	4573.3	4632.0	4602.0	4604.7	4617.0	4585.6	4592.4	4570.6	4555.6
5°	5076.9	5085.1	5093.3	5096.0	5101.5	5108.3	5100.1	5096.0	5087.8	5060.5	5031.9
7.5°	4999.1	4989.6	4985.5	4990.9	5000.5	5004.6	4997.7	5007.3	5042.8	5057.8	5067.3
10°	4589.7	4546.0	4576.0	4571.9	4537.8	4652.5	4621.1	4638.8	4651.1	4776.7	4853.1
12.5°	4394.5	4421.8	4370.0	4344.0	4378.1	4401.3	4424.5	4375.4	4443.7	4412.3	4513.3
15°	4230.8	4214.4	4208.9	4210.3	4203.5	4236.2	4244.4	4255.3	4264.9	4307.2	4323.6
17.5°	4157.1	4184.3	4195.3	4203.5	4189.8	4174.8	4159.8	4137.9	4144.8	4133.9	4165.2
20°	3407.8	3316.4	3310.9	3364.1	3305.4	3338.2	3417.4	3946.9	3929.1	4135.2	4065.6
22.5°	2844.2	2758.2	2684.5	2620.3	2711.8	2750.0	2897.4	3063.9	3334.1	3291.8	3585.2
25°	2322.8	2291.4	2272.3	2262.8	2269.6	2266.9	2299.6	2377.4	2500.2	2789.6	3163.5
27.5°	2172.7	2157.7	2150.9	2129.0	2145.4	2139.9	2165.9	2182.2	2219.1	2247.8	2369.2
30°	2054.0	2036.2	2023.9	2000.7	2017.1	2018.5	2026.7	2069.0	2084.0	2108.6	2146.8
32.5°	750.6	442.2	414.9	394.4	431.3	562.3	986.7	1725.1	1968.0	1987.1	2030.8
35°	73.7	61.4	54.6	54.6	56.0	61.4	81.9	215.6	394.4	1524.4	1907.9
37.5°	28.7	24.6	20.5	19.1	20.5	23.2	31.4	40.9	56.0	116.0	517.2
40°	12.3	10.9	9.6	9.6	9.6	9.6	10.9	13.6	20.5	38.2	60.0
42.5°	8.2	6.8	6.8	6.8	6.8	6.8	6.8	6.8	9.6	12.3	24.6
45°	5.5	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.5	6.8	10.9
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	2.7	4.1	2.7	4.1	4.1	4.1	4.1
52.5°	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1
55°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1
57.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
60°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	2.7
65°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	2.7
67.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
70°	4.1	4.1	2.7	4.1	2.7	2.7	4.1	4.1	4.1	2.7	2.7
72.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2	8.2	5.5
75°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.8	8.2	6.8
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.8	6.8	6.8
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-LD5-70SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4529.6	4528.3	4556.9	4578.8	4570.6	4578.8	4588.3	4589.7	4592.4	4581.5	4577.4
5°	4977.3	4935.0	4853.1	4794.4	4726.2	4602.0	4540.6	4547.4	4548.7	4544.6	4550.1
7.5°	5063.3	5059.2	5030.5	5018.2	4971.8	4883.1	4741.2	4716.6	4656.6	4618.3	4587.0
10°	4847.6	4945.9	4971.8	5015.5	5042.8	5026.4	4906.3	4888.6	4850.4	4806.7	4816.2
12.5°	4614.2	4694.8	4698.9	4936.3	4989.6	4995.0	4948.6	4973.2	4978.6	4880.4	4823.1
15°	4327.6	4365.9	4446.4	4667.5	4828.5	4929.5	4959.5	4973.2	4906.3	4902.2	4879.0
17.5°	4202.1	4226.7	4263.5	4387.7	4632.0	4780.7	4907.7	4898.1	4924.0	4904.9	4846.3
20°	4043.8	4064.3	4129.8	4192.5	4312.6	4510.5	4748.0	4765.7	4799.9	4795.8	4812.1
22.5°	4041.0	3968.7	3979.6	4028.8	4154.3	4331.7	4584.2	4642.9	4664.7	4679.8	4697.5
25°	3205.8	3780.4	3885.5	3916.9	3998.7	4102.5	4400.0	4421.8	4462.8	4529.6	4578.8
27.5°	2777.3	3167.6	3587.9	3806.3	3858.2	3944.2	4121.6	4154.3	4293.5	4309.9	4386.3
30°	2191.8	2493.4	3121.2	3646.6	3732.6	3792.7	3918.2	3983.7	4043.8	4109.3	4189.8
32.5°	2062.1	2109.9	2457.9	3017.5	3686.2	3641.2	3734.0	3773.6	3839.1	3896.4	3955.1
35°	1943.4	1976.2	2049.9	2471.6	3002.5	3517.0	3579.8	3605.7	3642.5	3686.2	3728.5
37.5°	1819.2	1868.4	1918.9	2032.1	2777.3	3418.7	3417.4	3447.4	3469.2	3506.1	3541.5
40°	330.3	1715.5	1797.4	1871.1	2153.6	2726.8	3264.5	3278.1	3293.2	3316.4	3353.2
42.5°	53.2	286.6	1684.1	1755.1	1835.6	2441.6	3194.9	3138.9	3129.4	3145.8	3178.5
45°	27.3	69.6	338.5	1639.1	1711.4	1947.5	2612.1	3042.0	3032.5	3001.1	3007.9
47.5°	20.5	43.7	83.3	566.4	1602.2	1671.8	2410.2	2384.2	2565.7	2913.8	2860.5
50°	17.7	30.0	49.1	116.0	1415.3	1539.4	1856.1	2168.6	2264.1	2276.4	2694.0
52.5°	16.4	20.5	35.5	75.1	297.5	1423.4	1509.4	1618.6	1779.6	2124.9	2116.7
55°	15.0	19.1	30.0	50.5	103.7	1282.9	1371.6	1392.1	1426.2	1591.3	1809.7
57.5°	8.2	17.7	28.7	43.7	77.8	234.7	1244.7	1261.0	1288.3	1295.2	1372.9
60°	4.1	16.4	25.9	38.2	57.3	109.2	1119.1	1138.2	1154.6	1157.3	1181.9
62.5°	2.7	15.0	21.8	35.5	47.8	77.8	264.8	540.4	1027.7	1027.7	1056.3
65°	2.7	10.9	13.6	23.2	43.7	64.1	111.9	129.7	252.5	621.0	926.7
67.5°	2.7	4.1	12.3	19.1	32.8	49.1	81.9	95.5	114.6	131.0	242.9
70°	2.7	2.7	10.9	12.3	20.5	36.8	58.7	66.9	77.8	88.7	102.4
72.5°	2.7	2.7	9.6	9.6	13.6	24.6	45.0	49.1	56.0	62.8	72.3
75°	6.8	5.5	8.2	8.2	9.6	19.1	34.1	38.2	40.9	46.4	53.2
77.5°	6.8	6.8	6.8	6.8	6.8	12.3	21.8	24.6	28.7	31.4	36.8
80°	5.5	5.5	5.5	6.8	6.8	8.2	13.6	15.0	16.4	20.5	21.8
82.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	8.2	9.6	12.3
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	2.7	2.7	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-LD5-70SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4576.0	4567.8	4561.0	4565.1	4552.8	4547.4	4551.5	4552.8	4555.6	4562.4	4563.8
5°	4563.8	4561.0	4573.3	4580.1	4577.4	4580.1	4580.1	4574.7	4566.5	4571.9	4559.7
7.5°	4555.6	4537.8	4524.2	4526.9	4513.3	4529.6	4544.6	4566.5	4573.3	4573.3	4559.7
10°	4696.1	4677.0	4600.6	4548.7	4514.6	4484.6	4555.6	4483.2	4517.4	4387.7	4536.5
12.5°	4812.1	4838.1	4803.9	4662.0	4637.4	4547.4	4599.2	4510.5	4484.6	4335.8	4383.6
15°	4858.5	4809.4	4798.5	4758.9	4705.7	4679.8	4540.6	4525.5	4483.2	4499.6	4436.8
17.5°	4817.6	4842.2	4809.4	4783.5	4728.9	4667.5	4584.2	4510.5	4451.8	4320.8	4431.4
20°	4778.0	4810.8	4712.5	4728.9	4734.3	4663.4	4619.7	4558.3	4484.6	4361.8	4266.2
22.5°	4712.5	4689.3	4697.5	4672.9	4652.5	4662.0	4602.0	4559.7	4435.5	4379.5	4249.9
25°	4606.1	4597.9	4619.7	4617.0	4567.8	4551.5	4521.4	4476.4	4427.3	4337.2	4230.8
27.5°	4432.7	4475.0	4513.3	4531.0	4505.1	4461.4	4445.0	4419.1	4385.0	4293.5	4214.4
30°	4249.9	4297.6	4341.3	4379.5	4402.7	4383.6	4368.6	4353.6	4301.7	4241.7	4153.0
32.5°	4041.0	4103.8	4163.9	4210.3	4260.8	4275.8	4264.9	4252.6	4208.9	4154.3	4083.4
35°	3799.5	3885.5	3972.8	4056.1	4077.9	4113.4	4148.9	4128.4	4105.2	4050.6	3985.1
37.5°	3594.8	3656.2	3719.0	3824.1	3900.5	3945.5	4008.3	4016.5	3976.9	3951.0	3865.0
40°	3383.2	3439.2	3530.6	3592.0	3697.1	3749.0	3815.9	3845.9	3836.3	3821.3	3746.3
42.5°	3216.7	3244.0	3304.1	3358.7	3462.4	3568.8	3627.5	3660.3	3694.4	3682.1	3643.9
45°	3039.3	3063.9	3084.4	3132.1	3233.1	3327.3	3399.6	3448.7	3510.2	3538.8	3492.4
47.5°	2863.3	2870.1	2894.7	2934.2	2994.3	3066.6	3188.1	3261.8	3319.1	3375.0	3345.0
50°	2728.2	2703.6	2707.7	2732.2	2781.4	2852.3	2939.7	3043.4	3108.9	3177.2	3184.0
52.5°	2384.2	2583.5	2535.7	2549.4	2575.3	2609.4	2700.9	2803.2	2883.7	2942.4	3001.1
55°	2000.7	2040.3	2423.8	2369.2	2385.6	2415.6	2457.9	2560.3	2638.1	2720.0	2801.8
57.5°	1551.7	1846.5	1861.5	2216.4	2208.2	2210.9	2246.4	2305.1	2382.9	2485.2	2554.8
60°	1206.4	1330.6	1572.2	1695.0	2006.2	2017.1	2037.6	2071.7	2138.6	2235.5	2346.0
62.5°	1064.5	1080.9	1166.9	1351.1	1553.1	1797.4	1841.1	1846.5	1876.5	1973.4	2101.7
65°	934.9	945.8	971.7	990.8	1160.0	1396.1	1606.3	1640.4	1659.5	1716.9	1826.0
67.5°	644.2	814.8	838.0	851.6	868.0	977.2	1237.8	1411.2	1433.0	1483.5	1579.0
70°	124.2	257.9	705.6	720.6	728.8	753.3	795.7	1071.3	1216.0	1263.8	1307.4
72.5°	84.6	99.6	120.1	283.9	600.5	614.1	623.7	659.2	903.5	1042.7	1065.9
75°	61.4	68.2	80.5	99.6	122.8	399.9	495.4	513.1	530.9	732.9	850.2
77.5°	43.7	49.1	54.6	64.1	75.1	96.9	139.2	383.5	401.2	410.8	580.0
80°	24.6	30.0	36.8	42.3	47.8	54.6	71.0	88.7	197.9	289.3	304.3
82.5°	13.6	16.4	19.1	23.2	25.9	32.8	39.6	47.8	62.8	92.8	196.5
85°	6.8	6.8	6.8	9.6	10.9	15.0	17.7	20.5	28.7	39.6	54.6
87.5°	4.1	4.1	5.5	5.5	5.5	6.8	6.8	6.8	8.2	12.3	17.7
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-LD5-70SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	356°	357°	358°	359°	360°
0°	4547.4	4547.4	4547.4	4547.4	4547.4
2.5°	4565.1	4561.0	4561.0	4577.4	4573.3
5°	4556.9	4552.8	4551.5	4569.2	4561.0
7.5°	4550.1	4535.1	4531.0	4547.4	4540.6
10°	4522.8	4511.9	4518.7	4513.3	4510.5
12.5°	4476.4	4469.6	4440.9	4443.7	4466.9
15°	4393.2	4420.5	4371.3	4415.0	4424.5
17.5°	4240.3	4301.7	4349.5	4375.4	4379.5
20°	4308.5	4329.0	4304.4	4305.8	4322.2
22.5°	4219.8	4229.4	4236.2	4228.0	4263.5
25°	4077.9	4041.0	4120.2	4136.6	4193.9
27.5°	4034.2	4004.2	4041.0	4038.3	4086.1
30°	3998.7	3901.8	3918.2	3944.2	4002.8
32.5°	3948.2	3795.4	3779.0	3836.3	3901.8
35°	3859.5	3714.9	3676.7	3713.5	3811.8
37.5°	3784.5	3603.0	3526.5	3575.7	3704.0
40°	3672.6	3515.6	3396.9	3440.6	3592.0
42.5°	3538.8	3440.6	3257.7	3287.7	3461.0
45°	3403.7	3316.4	3122.6	3137.6	3343.7
47.5°	3265.9	3185.3	2982.0	2984.7	3193.5
50°	3130.8	3024.3	2856.4	2808.7	3033.9
52.5°	2954.7	2856.4	2729.5	2651.7	2882.4
55°	2788.2	2677.7	2584.9	2464.8	2710.4
57.5°	2625.8	2503.0	2440.2	2286.0	2515.2
60°	2403.3	2344.7	2251.9	2104.5	2339.2
62.5°	2175.4	2156.3	2062.1	1909.3	2122.2
65°	1909.3	1954.3	1857.4	1726.4	1897.0
67.5°	1658.2	1738.7	1632.3	1551.7	1680.0
70°	1390.7	1483.5	1423.4	1394.8	1449.4
72.5°	1127.3	1217.4	1222.8	1202.4	1220.1
75°	870.7	970.3	1024.9	993.5	997.6
77.5°	660.5	708.3	768.4	792.9	787.5
80°	408.1	491.3	540.4	590.9	573.2
82.5°	206.1	275.7	335.7	390.3	364.4
85°	86.0	110.5	154.2	203.3	195.2
87.5°	25.9	43.7	46.4	65.5	61.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)