

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-L940-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-70SL-RM-UNV-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

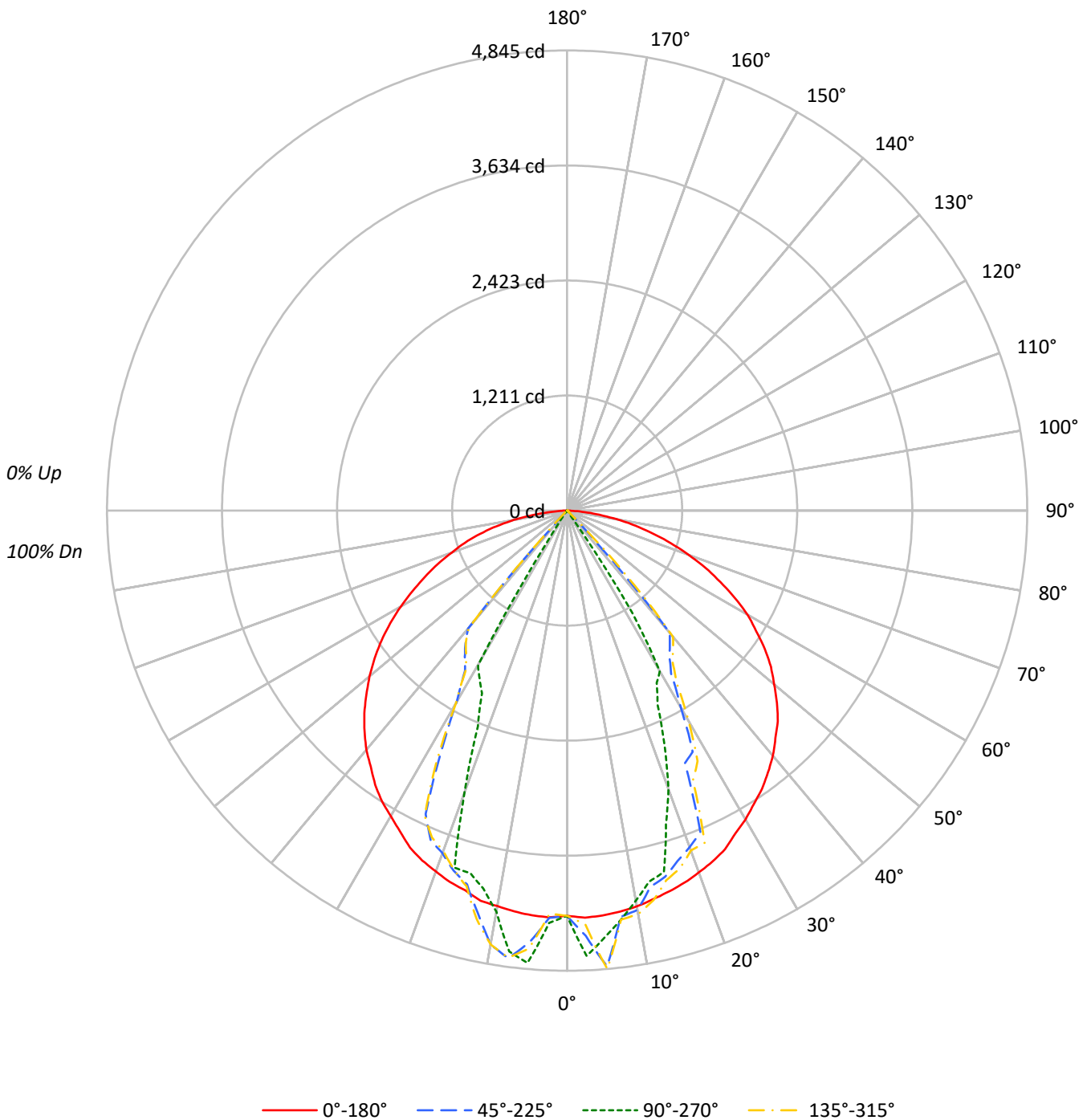
Lumens per Lamp: N/A  
Luminaire Lumens: 6066.0 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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-L940-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	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°	17237	17237	17237	17237
5°	17331	17728	17326	18774
10°	17313	16042	17303	16505
15°	17291	14973	17248	15012
20°	17336	11794	17287	11939
25°	17414	8535	17329	8054
30°	17364	7487	17180	7197
35°	17448	165	17192	200
40°	17544	36	17124	36
45°	17648	21	16986	16
50°	17564	17	16758	17
55°	17521	12	16445	12
60°	17267	13	15916	13
65°	16463	20	15290	14
70°	15402	22	14662	22
75°	13806	25	14033	25
80°	11493	28	12151	28
85°	7202	33	7352	33



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	428.0	7.1
10°-20°	1167.4	19.2
20°-30°	1485.6	24.5
30°-40°	1254.9	20.7
40°-50°	820.4	13.5
50°-60°	516.9	8.5
60°-70°	275.2	4.5
70°-80°	100.3	1.7
80°-90°	17.2	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°	3081.0	50.8
0°-40°	4335.9	71.5
0°-60°	5673.2	93.5
0°-90°	6066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6066.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4266	4266	4266	4266	4266	
5°	4279	4514	4278	4781	4279	407
15°	4151	3940	4141	3950	4151	1173
25°	3934	2250	3915	2123	3934	1809
35°	3576	42	3524	51	3576	2237
45°	3137	5	3019	4	3137	2412
55°	2543	3	2386	3	2543	2266
65°	1780	4	1653	3	1780	1763
75°	936	4	951	4	936	993
85°	183	4	187	4	183	231
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-70SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4290.4	4293.0	4294.2	4296.8	4300.6	4301.9	4304.5	4301.9	4301.9	4301.9	4301.9
5°	4278.9	4284.0	4287.8	4293.0	4301.9	4303.2	4313.4	4314.7	4319.8	4330.1	4337.8
7.5°	4259.7	4264.8	4272.5	4285.3	4298.1	4312.2	4330.1	4349.3	4376.2	4401.8	4433.8
10°	4231.5	4237.9	4246.9	4258.4	4321.1	4330.1	4369.8	4424.8	4440.2	4520.9	4581.0
12.5°	4190.5	4212.3	4235.3	4245.6	4305.8	4400.5	4533.7	4506.8	4477.3	4741.1	4737.2
15°	4150.8	4180.3	4168.8	4252.0	4307.0	4472.2	4415.9	4536.2	4756.4	4702.7	4705.2
17.5°	4108.6	4115.0	4179.0	4248.1	4346.7	4431.2	4500.4	4665.5	4709.1	4712.9	4665.5
20°	4054.8	4085.5	4179.0	4241.7	4408.2	4447.9	4597.7	4682.2	4664.2	4620.7	4540.1
22.5°	3999.8	4093.2	4188.0	4276.3	4392.8	4499.1	4573.3	4613.0	4519.6	4348.0	4255.8
25°	3934.5	3989.5	4113.7	4243.0	4389.0	4450.4	4494.0	4429.9	4308.3	4154.7	3999.8
27.5°	3833.3	3921.7	4080.4	4226.4	4358.2	4432.5	4362.1	4208.5	4012.6	3911.4	3841.0
30°	3755.2	3870.4	4001.0	4141.9	4278.9	4322.4	4143.2	3967.7	3833.3	3732.2	3716.8
32.5°	3660.5	3824.4	3948.5	4083.0	4198.2	4140.6	3966.5	3739.8	3628.5	3590.0	3605.4
35°	3576.0	3700.2	3862.8	3994.6	4077.9	3948.5	3673.3	3532.4	3478.7	3500.4	3472.3
37.5°	3474.8	3638.7	3788.5	3902.5	3874.3	3679.7	3446.7	3357.0	3363.4	3345.5	3291.7
40°	3369.8	3526.0	3682.2	3789.8	3691.2	3394.2	3239.2	3220.0	3223.9	3166.3	3089.4
42.5°	3246.9	3389.0	3545.2	3642.5	3430.0	3198.3	3093.3	3095.8	3062.6	2981.9	2940.9
45°	3136.8	3267.4	3430.0	3439.0	3177.8	2984.5	2953.7	2920.4	2846.2	2819.3	2788.6
47.5°	2996.0	3140.7	3275.1	3226.4	2930.7	2810.3	2787.3	2714.3	2677.2	2656.7	2631.1
50°	2846.2	2992.1	3115.0	2976.8	2697.7	2669.5	2594.0	2536.3	2510.7	2489.0	2465.9
52.5°	2704.1	2824.4	2949.9	2711.7	2518.4	2491.5	2405.7	2372.5	2346.8	2322.5	2317.4
55°	2542.7	2649.0	2734.8	2459.5	2346.8	2284.1	2222.7	2199.6	2175.3	2163.8	2183.0
57.5°	2359.7	2480.0	2467.2	2211.1	2161.2	2070.3	2047.3	2031.9	2014.0	2021.6	1861.6
60°	2194.5	2286.7	2223.9	2029.3	1944.8	1883.4	1862.9	1852.6	1862.9	1706.7	1500.5
62.5°	1990.9	2094.6	1967.9	1816.8	1727.2	1697.7	1679.8	1693.9	1544.1	1372.5	1322.6
65°	1779.7	1892.3	1705.4	1588.9	1532.6	1507.0	1505.7	1386.6	1239.4	1172.8	1172.8
67.5°	1576.1	1692.6	1451.9	1354.6	1332.8	1335.4	1261.1	1080.6	1039.6	994.8	865.5
70°	1359.7	1462.1	1199.7	1140.8	1128.0	1119.0	938.5	889.8	841.2	722.1	711.9
72.5°	1144.6	1194.5	964.1	950.0	947.4	787.4	751.6	668.3	612.0	597.9	591.5
75°	935.9	920.6	761.8	774.6	653.0	596.6	539.0	490.4	482.7	477.6	119.1
77.5°	738.8	661.9	600.5	522.4	467.3	396.9	385.4	377.7	248.4	89.6	73.0
80°	537.7	428.9	399.5	339.3	289.4	277.8	284.2	87.1	69.1	57.6	49.9
82.5°	341.8	274.0	224.1	195.9	190.8	83.2	61.5	49.9	43.5	37.1	30.7
85°	183.1	121.6	112.7	94.7	56.3	38.4	32.0	24.3	20.5	16.6	15.4
87.5°	57.6	48.7	39.7	32.0	19.2	12.8	10.2	9.0	7.7	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4299.4	4301.9	4300.6	4304.5	4304.5	4309.6	4313.4	4317.3	4325.0	4328.8	4358.2
5°	4354.4	4360.8	4380.0	4397.9	4419.7	4426.1	4463.2	4472.2	4515.7	4520.9	4664.2
7.5°	4477.3	4501.6	4547.7	4593.8	4639.9	4669.4	4720.6	4752.6	4787.2	4817.9	4931.8
10°	4625.8	4666.8	4711.6	4757.7	4784.6	4840.9	4871.7	4876.8	4867.8	4817.9	4633.5
12.5°	4771.8	4812.8	4793.6	4802.5	4834.5	4734.7	4748.7	4677.1	4727.0	4479.9	4296.8
15°	4751.3	4748.7	4701.4	4547.7	4573.3	4382.6	4305.8	4246.9	4294.2	4268.6	4240.5
17.5°	4689.9	4573.3	4491.4	4307.0	4228.9	4175.2	4176.4	4177.7	4154.7	4179.0	4107.3
20°	4429.9	4299.4	4177.7	4112.4	4089.4	4051.0	4070.2	4051.0	4052.2	4059.9	3949.8
22.5°	4084.3	4044.6	3974.1	3994.6	3987.0	4021.5	3995.9	3956.2	3969.0	3911.4	3828.2
25°	3944.7	3898.6	3896.0	3903.7	3892.2	3876.8	3853.8	3793.6	3789.8	3771.9	3733.4
27.5°	3803.9	3806.4	3814.1	3791.1	3750.1	3719.4	3684.8	3655.3	3666.9	3646.4	3593.9
30°	3706.6	3705.3	3659.2	3638.7	3563.2	3564.4	3555.5	3537.6	3526.0	3527.3	3494.0
32.5°	3568.3	3528.6	3476.1	3450.5	3444.1	3421.0	3403.1	3407.0	3415.9	3383.9	3418.5
35°	3426.2	3344.2	3336.5	3314.8	3294.3	3278.9	3285.3	3259.7	3258.4	3254.6	2972.9
37.5°	3235.4	3195.7	3191.9	3168.8	3154.7	3150.9	3126.6	3130.4	3141.9	3162.4	2535.1
40°	3077.9	3042.1	3033.1	3031.8	3001.1	2998.5	3004.9	3029.3	3045.9	2917.9	2416.0
42.5°	2908.9	2911.5	2883.3	2865.4	2869.2	2880.7	2911.5	2827.0	2449.3	2334.0	2208.6
45°	2764.2	2751.4	2736.1	2730.9	2764.2	2741.2	2403.2	2217.5	2172.7	2167.6	1815.5
47.5°	2613.2	2609.3	2602.9	2606.8	2417.3	2154.8	2078.0	2053.7	2061.3	2056.2	1559.4
50°	2460.8	2465.9	2465.9	2153.5	1976.8	1933.3	1939.7	1961.5	1825.8	1704.1	1453.2
52.5°	2328.9	2289.2	1961.5	1848.8	1809.1	1828.3	1782.2	1611.9	1489.0	1417.3	1344.3
55°	2084.4	1792.5	1719.5	1701.6	1715.6	1545.4	1440.4	1330.3	1298.3	1290.6	1248.3
57.5°	1640.1	1581.2	1587.6	1515.9	1353.3	1257.3	1215.0	1199.7	1185.6	1175.3	102.4
60°	1450.6	1467.3	1343.1	1189.4	1124.1	1111.3	1101.1	1087.0	1084.4	1066.5	65.3
62.5°	1327.7	1167.7	1060.1	1021.7	1006.3	1002.5	983.3	976.9	829.7	113.9	48.7
65°	1001.2	935.9	915.4	906.5	889.8	889.8	738.8	116.5	94.7	81.9	43.5
67.5°	816.9	811.7	801.5	790.0	537.7	112.7	98.6	85.8	74.3	65.3	38.4
70°	691.4	688.8	627.4	115.2	96.0	84.5	74.3	66.6	61.5	55.1	34.6
72.5°	567.2	115.2	97.3	84.5	73.0	66.6	60.2	53.8	48.7	44.8	28.2
75°	88.3	78.1	69.1	62.7	57.6	51.2	46.1	42.3	41.0	35.8	19.2
77.5°	64.0	55.1	49.9	44.8	39.7	35.8	30.7	26.9	24.3	20.5	14.1
80°	44.8	39.7	35.8	29.4	25.6	21.8	19.2	16.6	15.4	12.8	6.4
82.5°	25.6	21.8	19.2	15.4	14.1	11.5	10.2	9.0	9.0	6.4	6.4
85°	11.5	11.5	9.0	7.7	6.4	6.4	6.4	5.1	5.1	3.8	3.8
87.5°	5.1	5.1	5.1	5.1	5.1	3.8	3.8	3.8	3.8	3.8	2.6
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°	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4399.2	4415.9	4447.9	4481.2	4444.0	4577.2	4566.9	4611.8	4636.1	4647.6	4674.5
5°	4791.0	4865.3	4889.6	4816.6	4774.4	4730.8	4632.2	4558.0	4566.9	4542.6	4454.3
7.5°	4783.3	4624.6	4410.7	4313.4	4305.8	4294.2	4325.0	4342.9	4345.4	4344.2	4341.6
10°	4378.7	4296.8	4282.7	4269.9	4275.0	4227.7	4205.9	4144.4	4177.7	4159.8	4166.2
12.5°	4255.8	4236.6	4161.1	4056.1	4118.8	4071.5	4044.6	4062.5	4042.0	4022.8	4016.4
15°	4182.8	4058.7	4016.4	3990.8	3972.9	3962.6	3971.6	3951.1	3944.7	3940.9	3949.8
17.5°	4031.8	3981.8	3935.7	3867.9	3869.2	3865.3	3890.9	3929.3	3931.9	3734.7	3556.8
20°	3912.7	3871.7	3812.8	3770.6	3828.2	3725.8	3330.1	3141.9	3112.5	3112.5	3117.6
22.5°	3817.9	3727.0	3730.9	3664.3	3125.3	3015.2	3017.7	3029.3	2976.8	2797.5	2778.3
25°	3688.6	3674.6	3394.2	2933.2	2937.1	2851.3	2719.4	2533.8	2332.8	2332.8	2299.5
27.5°	3591.3	3293.0	2883.3	2864.1	2576.0	2394.2	2281.6	2111.3	2088.2	2066.5	2069.0
30°	3508.1	2786.0	2796.2	2394.2	2181.7	2030.6	2021.6	1993.5	1979.4	1975.6	1961.5
32.5°	2773.2	2713.0	2340.4	2038.3	1955.1	1930.7	1919.2	1887.2	1885.9	1861.6	1692.6
35°	2600.4	2381.4	1958.9	1877.0	1852.6	1829.6	1810.4	1215.0	143.4	57.6	49.9
37.5°	2403.2	1989.6	1811.7	1774.5	1751.5	1294.4	129.3	44.8	32.0	23.0	20.5
40°	2037.0	1777.1	1720.8	1679.8	692.7	44.8	28.2	21.8	12.8	11.5	10.2
42.5°	1718.2	1674.7	1614.5	491.6	51.2	21.8	14.1	10.2	9.0	9.0	7.7
45°	1608.1	1569.7	650.4	48.7	32.0	10.2	9.0	9.0	7.7	5.1	5.1
47.5°	1505.7	1325.1	58.9	30.7	20.5	9.0	7.7	5.1	5.1	5.1	3.8
50°	1396.8	73.0	41.0	23.0	12.8	5.1	5.1	5.1	5.1	3.8	3.8
52.5°	261.2	51.2	33.3	20.5	6.4	5.1	5.1	5.1	3.8	3.8	3.8
55°	61.5	41.0	30.7	17.9	5.1	5.1	5.1	3.8	3.8	3.8	2.6
57.5°	46.1	30.7	24.3	16.6	5.1	3.8	3.8	3.8	3.8	3.8	2.6
60°	38.4	21.8	19.2	15.4	3.8	3.8	3.8	3.8	3.8	3.8	2.6
62.5°	26.9	17.9	14.1	11.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8
65°	21.8	14.1	11.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
67.5°	19.2	11.5	7.7	2.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8
70°	15.4	3.8	3.8	2.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8
72.5°	12.8	3.8	2.6	2.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8
75°	12.8	6.4	2.6	2.6	3.8	3.8	5.1	5.1	3.8	3.8	3.8
77.5°	9.0	6.4	2.6	2.6	3.8	3.8	5.1	5.1	3.8	3.8	3.8
80°	5.1	6.4	2.6	3.8	3.8	7.7	9.0	5.1	3.8	3.8	3.8
82.5°	5.1	6.4	7.7	7.7	3.8	6.4	7.7	6.4	5.1	3.8	3.8
85°	5.1	3.8	5.1	6.4	3.8	6.4	6.4	5.1	5.1	3.8	3.8
87.5°	2.6	3.8	3.8	5.1	5.1	5.1	6.4	5.1	5.1	5.1	3.8
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4687.3	4692.4	4611.8	4583.6	4607.9	4602.8	4581.0	4500.4	4491.4	4437.6	4359.5
5°	4479.9	4514.4	4472.2	4545.2	4510.6	4545.2	4650.2	4698.8	4778.2	4826.9	4844.8
7.5°	4335.2	4342.9	4342.9	4349.3	4355.7	4357.0	4349.3	4344.2	4322.4	4295.5	4344.2
10°	4159.8	4168.8	4184.1	4181.6	4180.3	4207.2	4213.6	4268.6	4266.1	4276.3	4313.4
12.5°	4068.9	3999.8	4062.5	4045.8	4068.9	4033.0	4099.6	4088.1	4091.9	4122.7	4202.0
15°	3917.8	3939.6	3954.9	3954.9	3963.9	3956.2	3948.5	4001.0	4033.0	4034.3	4029.2
17.5°	3627.2	3462.0	3631.0	3587.5	3934.5	3943.4	3914.0	3889.6	3889.6	3908.9	3949.8
20°	3113.8	3117.6	3118.9	3135.5	3156.0	3154.7	3156.0	3660.5	3899.9	3844.8	3807.7
22.5°	2729.7	2682.3	2770.6	2764.2	2874.3	2996.0	3112.5	3101.0	3108.6	3464.6	3784.7
25°	2188.1	2249.5	2199.6	2221.4	2345.6	2490.2	2579.9	2814.2	3069.0	3051.0	3134.3
27.5°	2060.1	2043.4	2066.5	2066.5	2083.1	2102.3	2152.2	2284.1	2510.7	2748.9	2974.2
30°	1938.4	1952.5	1955.1	1978.1	1990.9	2003.7	2011.4	2061.3	2112.5	2277.7	2555.5
32.5°	1455.7	1276.5	1679.8	1788.6	1880.8	1902.6	1917.9	1938.4	1975.6	1999.9	2139.4
35°	42.3	42.3	44.8	51.2	65.3	440.4	1677.2	1848.8	1873.1	1903.9	1929.5
37.5°	20.5	15.4	17.9	19.2	23.0	32.0	46.1	143.4	1596.6	1805.3	1833.4
40°	9.0	9.0	9.0	9.0	10.2	12.8	19.2	32.0	48.7	1284.2	1732.3
42.5°	7.7	7.7	7.7	7.7	7.7	7.7	9.0	11.5	23.0	55.1	909.0
45°	5.1	5.1	3.8	5.1	5.1	6.4	7.7	7.7	10.2	34.6	62.7
47.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	6.4	7.7	23.0	33.3
50°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	17.9	23.0
52.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.7	20.5
55°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.8	3.8	5.1	17.9
57.5°	2.6	2.6	2.6	2.6	2.6	3.8	2.6	2.6	3.8	3.8	16.6
60°	2.6	2.6	2.6	2.6	2.6	3.8	3.8	3.8	3.8	3.8	15.4
62.5°	3.8	3.8	2.6	3.8	2.6	2.6	3.8	3.8	3.8	3.8	10.2
65°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	2.6	3.8
67.5°	3.8	3.8	3.8	3.8	2.6	3.8	2.6	3.8	3.8	2.6	2.6
70°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	2.6	2.6	2.6	2.6
72.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	2.6	2.6	2.6	2.6
75°	3.8	3.8	3.8	3.8	3.8	3.8	5.1	5.1	2.6	2.6	2.6
77.5°	3.8	3.8	3.8	3.8	3.8	3.8	6.4	7.7	6.4	6.4	2.6
80°	3.8	3.8	3.8	3.8	3.8	3.8	6.4	6.4	6.4	6.4	9.0
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	5.1	5.1	5.1	5.1	6.4
85°	3.8	3.8	3.8	3.8	3.8	3.8	5.1	5.1	5.1	3.8	5.1
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.1	3.8	3.8	3.8
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4365.9	4322.4	4308.3	4278.9	4276.3	4278.9	4272.5	4263.5	4268.6	4259.7	4252.0
5°	4855.0	4738.5	4663.0	4561.8	4422.3	4391.5	4383.9	4340.3	4325.0	4319.8	4299.4
7.5°	4459.4	4671.9	4800.0	4843.5	4679.6	4641.2	4596.4	4560.5	4526.0	4460.7	4421.0
10°	4284.0	4294.2	4417.1	4560.5	4793.6	4825.6	4849.9	4771.8	4750.0	4583.6	4547.7
12.5°	4243.0	4244.3	4258.4	4345.4	4528.5	4549.0	4634.8	4680.9	4737.2	4769.2	4743.6
15°	4056.1	4159.8	4236.6	4244.3	4260.9	4296.8	4322.4	4482.4	4550.3	4732.1	4721.9
17.5°	3969.0	4002.3	4113.7	4204.6	4189.2	4176.4	4196.9	4218.7	4284.0	4465.8	4463.2
20°	3824.4	3930.6	3990.8	4085.5	4171.3	4175.2	4152.1	4139.3	4113.7	4143.2	4170.0
22.5°	3762.9	3779.5	3892.2	3958.8	4056.1	4090.7	4095.8	4097.1	4083.0	4067.6	4059.9
25°	3756.5	3704.0	3761.6	3844.8	3916.5	3953.7	3995.9	4010.0	4004.9	4004.9	3997.2
27.5°	3074.1	3687.4	3656.6	3711.7	3798.7	3824.4	3846.1	3889.6	3916.5	3935.7	3944.7
30°	2928.1	3038.2	3574.7	3582.4	3670.7	3668.2	3692.5	3728.3	3762.9	3807.7	3819.2
32.5°	2590.1	2860.3	3272.5	3453.1	3545.2	3554.2	3567.0	3577.2	3609.3	3659.2	3702.7
35°	2075.4	2605.5	2803.9	3391.6	3408.2	3426.2	3433.8	3458.2	3468.4	3488.9	3527.3
37.5°	1878.2	2153.5	2690.0	2933.2	3250.8	3266.1	3307.1	3317.3	3334.0	3350.6	3380.1
40°	1764.3	1839.8	2239.3	2619.6	3124.0	3134.3	3148.3	3173.9	3175.2	3194.4	3221.3
42.5°	1673.4	1722.0	1838.6	2501.8	3034.4	3033.1	2999.8	3016.5	3024.1	3044.6	3081.8
45°	1336.7	1615.8	1690.0	2043.4	2416.0	2590.1	2924.3	2869.2	2867.9	2875.6	2915.3
47.5°	67.9	1519.8	1572.2	1686.2	2281.6	2288.0	2331.5	2697.7	2754.0	2736.1	2739.9
50°	46.1	105.0	1464.7	1517.2	1966.6	2125.4	2157.4	2174.0	2385.3	2620.8	2582.4
52.5°	35.8	60.2	897.5	1408.4	1597.9	1714.4	1920.5	2038.3	2051.1	2145.8	2467.2
55°	32.0	46.1	97.3	1299.5	1358.4	1384.0	1504.4	1710.5	1877.0	1926.9	1930.7
57.5°	28.2	42.3	66.6	587.7	1235.5	1240.6	1261.1	1332.8	1482.6	1619.6	1774.5
60°	25.6	37.1	52.5	101.1	1122.9	1135.7	1139.5	1158.7	1176.6	1270.1	1448.1
62.5°	15.4	29.4	46.1	73.0	888.6	1020.4	1019.1	1031.9	1048.6	1058.8	1094.7
65°	12.8	23.0	39.7	61.5	108.8	135.7	824.5	916.7	927.0	941.0	947.4
67.5°	11.5	20.5	29.4	48.7	81.9	93.5	107.5	133.2	727.2	819.4	832.2
70°	10.2	14.1	24.3	41.0	66.6	71.7	80.7	92.2	108.8	134.4	658.1
72.5°	6.4	10.2	16.6	29.4	51.2	57.6	62.7	70.4	78.1	93.5	107.5
75°	2.6	7.7	14.1	21.8	39.7	43.5	47.4	52.5	58.9	69.1	76.8
77.5°	2.6	6.4	11.5	15.4	25.6	29.4	34.6	38.4	43.5	48.7	56.3
80°	9.0	5.1	7.7	11.5	17.9	19.2	21.8	24.3	28.2	32.0	37.1
82.5°	6.4	7.7	9.0	7.7	9.0	11.5	12.8	15.4	16.6	19.2	20.5
85°	5.1	5.1	6.4	6.4	6.4	6.4	6.4	6.4	7.7	9.0	11.5
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.1	5.1
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4252.0	4249.4	4241.7	4241.7	4240.5	4245.6	4249.4	4253.3	4252.0	4259.7	4252.0
5°	4284.0	4277.6	4266.1	4255.8	4252.0	4254.5	4250.7	4254.5	4249.4	4255.8	4244.3
7.5°	4372.3	4350.6	4305.8	4287.8	4264.8	4263.5	4252.0	4249.4	4241.7	4241.7	4227.7
10°	4528.5	4423.5	4410.7	4357.0	4337.8	4244.3	4264.8	4230.2	4226.4	4209.7	4203.3
12.5°	4656.6	4574.6	4550.3	4502.9	4449.2	4259.7	4301.9	4227.7	4223.8	4190.5	4156.0
15°	4659.1	4706.5	4639.9	4509.3	4497.8	4367.2	4281.4	4255.8	4222.5	4122.7	4139.3
17.5°	4509.3	4618.2	4650.2	4622.0	4540.1	4451.7	4331.4	4280.1	4180.3	4135.5	4104.7
20°	4266.1	4376.2	4513.2	4522.1	4573.3	4510.6	4353.1	4269.9	4149.6	4071.5	4045.8
22.5°	4072.7	4153.4	4310.9	4383.9	4446.6	4468.4	4368.5	4245.6	4095.8	4020.2	4004.9
25°	3970.3	3988.2	4035.6	4121.4	4259.7	4359.5	4373.6	4243.0	4164.9	3999.8	3912.7
27.5°	3933.2	3917.8	3898.6	3942.1	4045.8	4167.5	4248.1	4269.9	4075.3	3917.8	3830.8
30°	3838.4	3847.4	3817.9	3802.6	3870.4	3995.9	4139.3	4175.2	4025.4	3862.8	3762.9
32.5°	3721.9	3737.3	3742.4	3715.5	3701.4	3788.5	3943.4	4029.2	4021.5	3784.7	3673.3
35°	3576.0	3619.5	3631.0	3632.3	3609.3	3595.2	3684.8	3862.8	3930.6	3748.8	3587.5
37.5°	3422.3	3435.1	3497.9	3514.5	3514.5	3472.3	3538.8	3681.0	3775.7	3668.2	3482.5
40°	3230.3	3271.2	3330.1	3359.6	3389.0	3392.9	3355.7	3455.6	3611.8	3584.9	3383.9
42.5°	3090.7	3117.6	3153.5	3193.1	3253.3	3268.7	3230.3	3248.2	3410.8	3481.2	3255.9
45°	2928.1	2964.0	2974.2	3017.7	3080.5	3125.3	3124.0	3086.9	3217.5	3304.5	3162.4
47.5°	2761.7	2796.2	2814.2	2835.9	2882.0	2939.6	2971.6	2955.0	2980.6	3150.9	3038.2
50°	2590.1	2609.3	2645.2	2669.5	2700.2	2733.5	2810.3	2825.7	2789.8	2925.6	2901.2
52.5°	2427.5	2433.9	2458.2	2482.6	2523.5	2547.9	2609.3	2655.4	2652.8	2692.5	2748.9
55°	2300.8	2272.6	2277.7	2296.9	2323.8	2360.9	2395.5	2467.2	2491.5	2499.2	2588.8
57.5°	1797.6	2086.9	2112.5	2111.3	2143.3	2159.9	2191.9	2239.3	2326.4	2307.2	2407.0
60°	1633.7	1665.7	1907.7	1935.9	1947.4	1962.7	2001.2	2044.7	2108.7	2149.7	2193.2
62.5°	1245.8	1440.4	1513.4	1727.2	1760.5	1769.4	1795.0	1815.5	1882.1	1975.6	1957.6
65°	964.1	1047.3	1270.1	1357.2	1539.0	1562.0	1597.9	1619.6	1638.8	1746.4	1751.5
67.5°	833.5	846.3	906.5	1074.2	1189.4	1367.4	1389.2	1408.4	1437.8	1514.6	1562.0
70°	711.9	727.2	743.9	758.0	907.8	1025.5	1190.7	1197.1	1216.3	1267.5	1375.1
72.5°	134.4	608.2	618.4	627.4	644.0	722.1	879.6	1007.6	1015.3	1039.6	1138.2
75°	90.9	106.3	146.0	501.9	518.5	523.7	550.5	710.6	828.4	833.5	877.0
77.5°	65.3	73.0	88.3	105.0	267.6	402.0	408.4	437.9	559.5	647.8	655.5
80°	44.8	49.9	58.9	66.6	81.9	107.5	297.0	306.0	321.4	443.0	466.0
82.5°	25.6	29.4	34.6	42.3	48.7	61.5	79.4	102.4	208.7	222.8	295.8
85°	12.8	14.1	16.6	20.5	24.3	29.4	39.7	48.7	66.6	120.4	124.2
87.5°	6.4	6.4	6.4	6.4	10.2	11.5	14.1	17.9	23.0	34.6	44.8
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4253.3	4271.2	4286.6	4290.4	4290.4	4293.0	4296.8	4299.4	4301.9	4304.5	4301.9
5°	4245.6	4264.8	4277.6	4281.4	4281.4	4289.1	4295.5	4303.2	4307.0	4307.0	4304.5
7.5°	4226.4	4240.5	4257.1	4267.3	4268.6	4281.4	4293.0	4291.7	4296.8	4299.4	4305.8
10°	4200.8	4200.8	4228.9	4236.6	4243.0	4257.1	4260.9	4268.6	4286.6	4289.1	4305.8
12.5°	4188.0	4175.2	4208.5	4212.3	4234.1	4216.1	4239.2	4246.9	4228.9	4253.3	4221.3
15°	4130.3	4145.7	4140.6	4152.1	4190.5	4170.0	4232.8	4212.3	4258.4	4203.3	4300.6
17.5°	4083.0	4080.4	4100.9	4111.1	4118.8	4162.4	4179.0	4202.0	4220.0	4204.6	4243.0
20°	4048.4	4027.9	4043.3	4054.8	4081.7	4115.0	4125.2	4090.7	4150.8	4253.3	4277.6
22.5°	3983.1	3969.0	3987.0	3987.0	4027.9	4022.8	4061.2	4039.4	4095.8	4214.9	4339.0
25°	3894.8	3896.0	3915.3	3938.3	3946.0	4003.6	4024.1	4052.2	4122.7	4264.8	4340.3
27.5°	3805.1	3797.5	3809.0	3856.4	3896.0	3938.3	3944.7	4040.7	4136.8	4234.1	4300.6
30°	3715.5	3707.8	3715.5	3750.1	3797.5	3825.6	3896.0	4024.1	4113.7	4180.3	4243.0
32.5°	3619.5	3611.8	3629.7	3655.3	3738.6	3742.4	3882.0	4002.3	4072.7	4121.4	4109.9
35°	3517.1	3506.8	3523.5	3563.2	3640.0	3668.2	3814.1	3903.7	3983.1	4006.2	3952.4
37.5°	3394.2	3376.2	3396.7	3451.8	3532.4	3614.4	3736.0	3839.7	3882.0	3820.5	3756.5
40°	3266.1	3253.3	3289.2	3317.3	3412.1	3526.0	3665.6	3738.6	3711.7	3641.3	3570.8
42.5°	3152.2	3125.3	3157.3	3211.1	3318.6	3447.9	3560.6	3601.6	3537.6	3433.8	3351.9
45°	3012.6	2980.6	3019.0	3090.7	3206.0	3353.2	3441.5	3427.4	3318.6	3229.0	3116.3
47.5°	2866.7	2828.3	2866.7	2952.4	3081.8	3238.0	3302.0	3238.0	3101.0	2988.3	2897.4
50°	2723.3	2678.5	2715.6	2844.9	2971.6	3092.0	3090.7	2966.5	2884.6	2761.7	2682.3
52.5°	2581.1	2517.1	2554.3	2695.1	2821.9	2958.8	2857.7	2742.5	2643.9	2536.3	2510.7
55°	2405.7	2336.6	2386.5	2591.4	2688.7	2769.4	2608.0	2506.9	2409.6	2355.8	2323.8
57.5°	2239.3	2163.8	2207.3	2449.3	2521.0	2541.5	2392.9	2249.5	2191.9	2174.0	2127.9
60°	2067.7	1982.0	2022.9	2302.0	2352.0	2268.7	2122.8	2011.4	1999.9	1964.0	1928.2
62.5°	1903.9	1809.1	1834.7	2118.9	2142.0	1990.9	1856.5	1827.0	1798.9	1763.0	1743.8
65°	1715.6	1617.1	1652.9	1924.3	1902.6	1708.0	1632.4	1626.0	1588.9	1559.4	1587.6
67.5°	1542.8	1426.3	1476.2	1711.8	1613.2	1454.5	1423.7	1408.4	1378.9	1395.6	1099.8
70°	1353.3	1226.6	1294.4	1482.6	1336.7	1231.7	1220.2	1197.1	1198.4	952.6	802.8
72.5°	1142.1	1031.9	1130.5	1231.7	1057.6	1026.8	1010.2	1007.6	813.0	660.7	623.5
75°	956.4	845.0	951.3	989.7	842.5	822.0	820.7	678.6	533.9	509.6	498.0
77.5°	746.4	660.7	761.8	704.2	646.6	623.5	559.5	419.9	402.0	385.4	144.7
80°	503.2	509.6	568.5	485.2	460.9	393.1	309.8	297.0	256.1	102.4	80.7
82.5°	306.0	384.1	362.3	303.4	297.0	213.8	195.9	99.9	74.3	58.9	51.2
85°	158.8	194.6	186.9	165.2	122.9	110.1	61.5	47.4	38.4	29.4	24.3
87.5°	53.8	71.7	69.1	55.1	42.3	33.3	21.8	17.9	12.8	10.2	9.0
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-LD5-70SL-RM-UNV-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4299.4	4299.4	4296.8	4299.4	4300.6	4298.1	4298.1	4300.6	4301.9	4303.2	4309.6
5°	4305.8	4308.3	4312.2	4319.8	4321.1	4336.5	4342.9	4346.7	4350.6	4351.8	4342.9
7.5°	4319.8	4328.8	4336.5	4335.2	4326.2	4301.9	4294.2	4287.8	4299.4	4328.8	4363.4
10°	4332.6	4291.7	4214.9	4319.8	4287.8	4317.3	4404.3	4423.5	4482.4	4565.7	4590.0
12.5°	4244.3	4357.0	4381.3	4263.5	4481.2	4400.5	4496.5	4581.0	4605.4	4689.9	4638.6
15°	4339.0	4394.1	4431.2	4549.0	4536.2	4605.4	4632.2	4615.6	4619.4	4641.2	4698.8
17.5°	4337.8	4447.9	4472.2	4551.6	4605.4	4606.6	4599.0	4591.3	4611.8	4628.4	4593.8
20°	4412.0	4447.9	4495.2	4527.3	4537.5	4550.3	4574.6	4555.4	4517.0	4479.9	4464.5
22.5°	4374.9	4455.6	4496.5	4501.6	4495.2	4455.6	4419.7	4365.9	4348.0	4328.8	4335.2
25°	4382.6	4419.7	4414.6	4394.1	4367.2	4293.0	4275.0	4252.0	4217.4	4134.2	4058.7
27.5°	4327.5	4308.3	4285.3	4235.3	4186.7	4147.0	4102.2	4027.9	3966.5	3876.8	3843.6
30°	4235.3	4158.5	4102.2	4072.7	4025.4	3958.8	3890.9	3800.0	3721.9	3704.0	3687.4
32.5°	4058.7	3983.1	3937.0	3865.3	3784.7	3705.3	3627.2	3591.3	3574.7	3577.2	3561.9
35°	3878.1	3811.5	3742.4	3634.9	3574.7	3495.3	3467.1	3459.5	3444.1	3427.4	3409.5
37.5°	3686.1	3608.0	3504.3	3440.3	3380.1	3348.1	3334.0	3322.5	3295.6	3266.1	3245.6
40°	3500.4	3359.6	3302.0	3239.2	3221.3	3207.2	3186.7	3158.6	3121.4	3116.3	3107.4
42.5°	3252.0	3150.9	3101.0	3088.2	3066.4	3042.1	3024.1	2993.4	2978.1	2988.3	2996.0
45°	3016.5	2965.2	2948.6	2933.2	2892.3	2857.7	2846.2	2835.9	2848.7	2905.1	2770.6
47.5°	2825.7	2805.2	2784.7	2759.1	2720.7	2695.1	2706.6	2716.9	2728.4	2314.8	2112.5
50°	2660.5	2632.4	2600.4	2572.2	2549.1	2546.6	2606.8	2426.2	2031.9	2021.6	1816.8
52.5°	2480.0	2437.8	2418.5	2401.9	2412.1	2450.6	2028.0	1882.1	1805.3	1568.4	1463.4
55°	2285.4	2248.3	2248.3	2263.6	2208.6	1789.9	1768.1	1528.7	1384.0	1343.1	1326.4
57.5°	2090.8	2086.9	2108.7	1928.2	1624.7	1558.2	1309.8	1257.3	1234.2	1229.1	1202.2
60°	1912.8	1948.7	1631.1	1500.5	1304.7	1176.6	1140.8	1134.4	1110.0	1101.1	1076.8
62.5°	1770.7	1468.5	1367.4	1116.4	1051.2	1034.5	1015.3	1006.3	984.6	869.3	254.8
65°	1279.1	1208.6	980.7	938.5	933.4	909.0	901.4	810.4	190.8	128.0	108.8
67.5°	965.4	856.5	827.1	819.4	795.1	746.4	221.5	126.8	108.8	94.7	83.2
70°	741.3	722.1	700.3	682.4	201.0	125.5	108.8	92.2	79.4	70.4	64.0
72.5°	606.9	594.1	345.7	131.9	107.5	90.9	80.7	70.4	61.5	56.3	51.2
75°	475.0	131.9	108.8	90.9	78.1	66.6	58.9	52.5	47.4	43.5	39.7
77.5°	107.5	87.1	74.3	62.7	56.3	49.9	44.8	38.4	34.6	30.7	25.6
80°	66.6	57.6	48.7	44.8	38.4	32.0	28.2	25.6	20.5	19.2	16.6
82.5°	43.5	34.6	30.7	25.6	20.5	19.2	16.6	12.8	11.5	10.2	9.0
85°	19.2	16.6	14.1	11.5	9.0	7.7	6.4	5.1	5.1	5.1	5.1
87.5°	6.4	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	2.6	2.6
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4312.2	4335.2	4357.0	4350.6	4327.5	4291.7	4281.4	4267.3	4277.6	4299.4	4308.3
5°	4342.9	4330.1	4376.2	4444.0	4554.1	4564.4	4641.2	4659.1	4720.6	4759.0	4757.7
7.5°	4386.4	4568.2	4643.8	4725.7	4762.8	4753.9	4765.4	4756.4	4742.3	4735.9	4728.3
10°	4607.9	4746.2	4774.4	4774.4	4716.7	4638.6	4605.4	4547.7	4432.5	4435.1	4415.9
12.5°	4737.2	4785.9	4719.3	4663.0	4431.2	4341.6	4244.3	4198.2	4171.3	4130.3	4145.7
15°	4669.4	4600.2	4560.5	4378.7	4236.6	4075.3	4077.9	4049.7	4020.2	4022.8	4003.6
17.5°	4569.5	4514.4	4232.8	4107.3	4038.2	3975.4	3963.9	3926.8	3907.6	3901.2	3899.9
20°	4432.5	4234.1	4024.1	3993.4	3910.1	3838.4	3826.9	3838.4	3897.3	3792.3	3436.4
22.5°	4272.5	3987.0	3925.5	3838.4	3782.1	3753.9	3824.4	3504.3	3020.3	3079.2	3016.5
25°	4001.0	3876.8	3771.9	3705.3	3698.9	3526.0	2938.4	2876.9	2565.8	2399.3	2212.4
27.5°	3802.6	3748.8	3638.7	3627.2	3544.0	2883.3	2577.3	2239.3	2115.1	2095.9	2054.9
30°	3682.2	3605.4	3538.8	3248.2	2828.3	2321.2	2067.7	2020.4	1998.6	1975.6	1939.7
32.5°	3537.6	3464.6	3496.6	2730.9	2254.7	1998.6	1947.4	1912.8	1873.1	1857.8	1728.4
35°	3390.3	3357.0	2732.2	2295.6	1938.4	1877.0	1838.6	1802.7	1434.0	347.0	117.8
37.5°	3232.8	3225.2	2455.7	1905.1	1815.5	1757.9	1649.1	340.6	80.7	55.1	41.0
40°	3109.9	2457.0	1941.0	1786.1	1713.1	1622.2	227.9	56.3	35.8	21.8	14.1
42.5°	3028.0	2209.9	1737.4	1676.0	1517.2	167.7	57.6	24.3	14.1	11.5	9.0
45°	2334.0	1745.1	1623.5	1559.4	192.0	57.6	33.3	11.5	9.0	7.7	5.1
47.5°	2153.5	1585.1	1513.4	340.6	64.0	30.7	23.0	7.7	5.1	5.1	5.1
50°	1631.1	1464.7	1204.8	83.2	41.0	21.8	16.6	5.1	5.1	5.1	3.8
52.5°	1430.1	1352.0	129.3	55.1	32.0	16.6	10.2	3.8	3.8	3.8	3.8
55°	1307.2	857.8	76.8	42.3	26.9	15.4	6.4	3.8	3.8	3.8	2.6
57.5°	1195.8	115.2	56.3	35.8	24.3	14.1	3.8	3.8	3.8	3.8	2.6
60°	1014.0	83.2	46.1	32.0	23.0	12.8	3.8	3.8	3.8	3.8	3.8
62.5°	131.9	65.3	39.7	28.2	16.6	10.2	2.6	3.8	3.8	3.8	3.8
65°	96.0	51.2	35.8	19.2	10.2	3.8	2.6	3.8	3.8	3.8	3.8
67.5°	74.3	42.3	26.9	16.6	9.0	2.6	2.6	3.8	3.8	3.8	3.8
70°	58.9	35.8	21.8	14.1	7.7	2.6	2.6	3.8	3.8	3.8	3.8
72.5°	46.1	25.6	15.4	7.7	5.1	2.6	2.6	3.8	3.8	3.8	3.8
75°	34.6	20.5	11.5	6.4	2.6	2.6	2.6	3.8	3.8	3.8	3.8
77.5°	23.0	12.8	9.0	5.1	5.1	5.1	6.4	6.4	3.8	3.8	3.8
80°	15.4	9.0	6.4	6.4	6.4	5.1	6.4	6.4	3.8	6.4	3.8
82.5°	7.7	6.4	6.4	5.1	5.1	3.8	5.1	5.1	5.1	5.1	3.8
85°	5.1	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.1	5.1	3.8
87.5°	2.6	2.6	2.6	2.6	3.8	3.8	3.8	3.8	5.1	5.1	3.8
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4296.8	4300.6	4290.4	4345.4	4317.3	4319.8	4331.4	4301.9	4308.3	4287.8	4273.7
5°	4762.8	4770.5	4778.2	4780.8	4785.9	4792.3	4784.6	4780.8	4773.1	4747.5	4720.6
7.5°	4689.9	4680.9	4677.1	4682.2	4691.1	4695.0	4688.6	4697.5	4730.8	4744.9	4753.9
10°	4305.8	4264.8	4293.0	4289.1	4257.1	4364.7	4335.2	4351.8	4363.4	4481.2	4552.9
12.5°	4122.7	4148.3	4099.6	4075.3	4107.3	4129.1	4150.8	4104.7	4168.8	4139.3	4234.1
15°	3969.0	3953.7	3948.5	3949.8	3943.4	3974.1	3981.8	3992.1	4001.0	4040.7	4056.1
17.5°	3899.9	3925.5	3935.7	3943.4	3930.6	3916.5	3902.5	3882.0	3888.4	3878.1	3907.6
20°	3197.0	3111.2	3106.1	3156.0	3101.0	3131.7	3206.0	3702.7	3686.1	3879.4	3814.1
22.5°	2668.2	2587.6	2518.4	2458.2	2544.0	2579.9	2718.1	2874.3	3127.9	3088.2	3363.4
25°	2179.1	2149.7	2131.8	2122.8	2129.2	2126.6	2157.4	2230.3	2345.6	2617.0	2967.8
27.5°	2038.3	2024.2	2017.8	1997.3	2012.7	2007.6	2031.9	2047.3	2081.8	2108.7	2222.7
30°	1926.9	1910.3	1898.7	1877.0	1892.3	1893.6	1901.3	1941.0	1955.1	1978.1	2014.0
32.5°	704.2	414.8	389.2	370.0	404.6	527.5	925.7	1618.3	1846.2	1864.2	1905.1
35°	69.1	57.6	51.2	51.2	52.5	57.6	76.8	202.3	370.0	1430.1	1789.9
37.5°	26.9	23.0	19.2	17.9	19.2	21.8	29.4	38.4	52.5	108.8	485.2
40°	11.5	10.2	9.0	9.0	9.0	9.0	10.2	12.8	19.2	35.8	56.3
42.5°	7.7	6.4	6.4	6.4	6.4	6.4	6.4	6.4	9.0	11.5	23.0
45°	5.1	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.1	6.4	10.2
47.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.1
50°	3.8	3.8	3.8	3.8	2.6	3.8	2.6	3.8	3.8	3.8	3.8
52.5°	3.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.8	3.8
55°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.8
57.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
60°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
62.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.8	3.8	2.6
65°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.8	2.6
67.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
70°	3.8	3.8	2.6	3.8	2.6	2.6	3.8	3.8	3.8	2.6	2.6
72.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.7	7.7	5.1
75°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	6.4	7.7	6.4
77.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	6.4	6.4	6.4
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.1	5.1	5.1
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.1	5.1	5.1
85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4249.4	4248.1	4275.0	4295.5	4287.8	4295.5	4304.5	4305.8	4308.3	4298.1	4294.2
5°	4669.4	4629.7	4552.9	4497.8	4433.8	4317.3	4259.7	4266.1	4267.3	4263.5	4268.6
7.5°	4750.0	4746.2	4719.3	4707.8	4664.2	4581.0	4447.9	4424.8	4368.5	4332.6	4303.2
10°	4547.7	4639.9	4664.2	4705.2	4730.8	4715.5	4602.8	4586.1	4550.3	4509.3	4518.3
12.5°	4328.8	4404.3	4408.2	4631.0	4680.9	4686.0	4642.5	4665.5	4670.6	4578.5	4524.7
15°	4059.9	4095.8	4171.3	4378.7	4529.8	4624.6	4652.7	4665.5	4602.8	4599.0	4577.2
17.5°	3942.1	3965.2	3999.8	4116.3	4345.4	4485.0	4604.1	4595.1	4619.4	4601.5	4546.5
20°	3793.6	3812.8	3874.3	3933.2	4045.8	4231.5	4454.3	4470.9	4502.9	4499.1	4514.4
22.5°	3791.1	3723.2	3733.4	3779.5	3897.3	4063.8	4300.6	4355.7	4376.2	4390.3	4406.9
25°	3007.5	3546.5	3645.1	3674.6	3751.4	3848.7	4127.8	4148.3	4186.7	4249.4	4295.5
27.5°	2605.5	2971.6	3366.0	3570.8	3619.5	3700.2	3866.6	3897.3	4027.9	4043.3	4115.0
30°	2056.2	2339.2	2928.1	3421.0	3501.7	3558.0	3675.8	3737.3	3793.6	3855.1	3930.6
32.5°	1934.6	1979.4	2305.9	2830.8	3458.2	3415.9	3503.0	3540.1	3601.6	3655.3	3710.4
35°	1823.2	1853.9	1923.1	2318.7	2816.7	3299.4	3358.3	3382.6	3417.2	3458.2	3497.9
37.5°	1706.7	1752.8	1800.1	1906.4	2605.5	3207.2	3206.0	3234.1	3254.6	3289.2	3322.5
40°	309.8	1609.4	1686.2	1755.3	2020.4	2558.1	3062.6	3075.4	3089.4	3111.2	3145.8
42.5°	49.9	268.9	1579.9	1646.5	1722.0	2290.5	2997.3	2944.8	2935.8	2951.2	2981.9
45°	25.6	65.3	317.5	1537.7	1605.5	1827.0	2450.6	2853.9	2844.9	2815.4	2821.9
47.5°	19.2	41.0	78.1	531.3	1503.1	1568.4	2261.1	2236.7	2407.0	2733.5	2683.6
50°	16.6	28.2	46.1	108.8	1327.7	1444.2	1741.3	2034.4	2124.1	2135.6	2527.4
52.5°	15.4	19.2	33.3	70.4	279.1	1335.4	1416.0	1518.5	1669.6	1993.5	1985.8
55°	14.1	17.9	28.2	47.4	97.3	1203.5	1286.7	1305.9	1337.9	1492.9	1697.7
57.5°	7.7	16.6	26.9	41.0	73.0	220.2	1167.7	1183.0	1208.6	1215.0	1288.0
60°	3.8	15.4	24.3	35.8	53.8	102.4	1049.9	1067.8	1083.2	1085.7	1108.8
62.5°	2.6	14.1	20.5	33.3	44.8	73.0	248.4	507.0	964.1	964.1	991.0
65°	2.6	10.2	12.8	21.8	41.0	60.2	105.0	121.6	236.9	582.6	869.3
67.5°	2.6	3.8	11.5	17.9	30.7	46.1	76.8	89.6	107.5	122.9	227.9
70°	2.6	2.6	10.2	11.5	19.2	34.6	55.1	62.7	73.0	83.2	96.0
72.5°	2.6	2.6	9.0	9.0	12.8	23.0	42.3	46.1	52.5	58.9	67.9
75°	6.4	5.1	7.7	7.7	9.0	17.9	32.0	35.8	38.4	43.5	49.9
77.5°	6.4	6.4	6.4	6.4	6.4	11.5	20.5	23.0	26.9	29.4	34.6
80°	5.1	5.1	5.1	6.4	6.4	7.7	12.8	14.1	15.4	19.2	20.5
82.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	7.7	9.0	11.5
85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.1	5.1	5.1	5.1
87.5°	3.8	3.8	3.8	2.6	2.6	3.8	3.8	3.8	3.8	3.8	3.8
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4293.0	4285.3	4278.9	4282.7	4271.2	4266.1	4269.9	4271.2	4273.7	4280.1	4281.4
5°	4281.4	4278.9	4290.4	4296.8	4294.2	4296.8	4296.8	4291.7	4284.0	4289.1	4277.6
7.5°	4273.7	4257.1	4244.3	4246.9	4234.1	4249.4	4263.5	4284.0	4290.4	4290.4	4277.6
10°	4405.6	4387.7	4316.0	4267.3	4235.3	4207.2	4273.7	4205.9	4237.9	4116.3	4255.8
12.5°	4514.4	4538.8	4506.8	4373.6	4350.6	4266.1	4314.7	4231.5	4207.2	4067.6	4112.4
15°	4558.0	4511.9	4501.6	4464.5	4414.6	4390.3	4259.7	4245.6	4205.9	4221.3	4162.4
17.5°	4519.6	4542.6	4511.9	4487.6	4436.3	4378.7	4300.6	4231.5	4176.4	4053.5	4157.2
20°	4482.4	4513.2	4421.0	4436.3	4441.5	4374.9	4333.9	4276.3	4207.2	4091.9	4002.3
22.5°	4421.0	4399.2	4406.9	4383.9	4364.7	4373.6	4317.3	4277.6	4161.1	4108.6	3987.0
25°	4321.1	4313.4	4333.9	4331.4	4285.3	4269.9	4241.7	4199.5	4153.4	4068.9	3969.0
27.5°	4158.5	4198.2	4234.1	4250.7	4226.4	4185.4	4170.0	4145.7	4113.7	4027.9	3953.7
30°	3987.0	4031.8	4072.7	4108.6	4130.3	4112.4	4098.3	4084.3	4035.6	3979.3	3896.0
32.5°	3791.1	3850.0	3906.3	3949.8	3997.2	4011.3	4001.0	3989.5	3948.5	3897.3	3830.8
35°	3564.4	3645.1	3727.0	3805.1	3825.6	3858.9	3892.2	3873.0	3851.2	3800.0	3738.6
37.5°	3372.4	3430.0	3488.9	3587.5	3659.2	3701.4	3760.3	3768.0	3730.9	3706.6	3625.9
40°	3173.9	3226.4	3312.2	3369.8	3468.4	3517.1	3579.8	3608.0	3599.0	3584.9	3514.5
42.5°	3017.7	3043.3	3099.7	3150.9	3248.2	3348.1	3403.1	3433.8	3465.9	3454.3	3418.5
45°	2851.3	2874.3	2893.5	2938.4	3033.1	3121.4	3189.3	3235.4	3293.0	3319.9	3276.4
47.5°	2686.1	2692.5	2715.6	2752.7	2809.0	2876.9	2990.9	3060.0	3113.8	3166.3	3138.1
50°	2559.4	2536.3	2540.2	2563.2	2609.3	2675.9	2757.8	2855.1	2916.6	2980.6	2987.0
52.5°	2236.7	2423.7	2378.9	2391.7	2416.0	2448.0	2533.8	2629.8	2705.3	2760.4	2815.4
55°	1877.0	1914.1	2273.9	2222.7	2238.0	2266.2	2305.9	2401.9	2474.9	2551.7	2628.5
57.5°	1455.7	1732.3	1746.4	2079.3	2071.6	2074.1	2107.4	2162.5	2235.5	2331.5	2396.8
60°	1131.8	1248.3	1474.9	1590.2	1882.1	1892.3	1911.5	1943.5	2006.3	2097.2	2200.9
62.5°	998.7	1014.0	1094.7	1267.5	1457.0	1686.2	1727.2	1732.3	1760.5	1851.4	1971.7
65°	877.0	887.3	911.6	929.5	1088.3	1309.8	1507.0	1539.0	1556.9	1610.7	1713.1
67.5°	604.3	764.4	786.1	798.9	814.3	916.7	1161.3	1323.9	1344.3	1391.7	1481.3
70°	116.5	242.0	661.9	676.0	683.7	706.7	746.4	1005.1	1140.8	1185.6	1226.6
72.5°	79.4	93.5	112.7	266.3	563.3	576.1	585.1	618.4	847.6	978.2	999.9
75°	57.6	64.0	75.5	93.5	115.2	375.1	464.8	481.4	498.0	687.5	797.6
77.5°	41.0	46.1	51.2	60.2	70.4	90.9	130.6	359.8	376.4	385.4	544.1
80°	23.0	28.2	34.6	39.7	44.8	51.2	66.6	83.2	185.6	271.4	285.5
82.5°	12.8	15.4	17.9	21.8	24.3	30.7	37.1	44.8	58.9	87.1	184.4
85°	6.4	6.4	6.4	9.0	10.2	14.1	16.6	19.2	26.9	37.1	51.2
87.5°	3.8	3.8	5.1	5.1	5.1	6.4	6.4	6.4	7.7	11.5	16.6
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-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	356°	357°	358°	359°	360°
0°	4266.1	4266.1	4266.1	4266.1	4266.1
2.5°	4282.7	4278.9	4278.9	4294.2	4290.4
5°	4275.0	4271.2	4269.9	4286.6	4278.9
7.5°	4268.6	4254.5	4250.7	4266.1	4259.7
10°	4243.0	4232.8	4239.2	4234.1	4231.5
12.5°	4199.5	4193.1	4166.2	4168.8	4190.5
15°	4121.4	4147.0	4100.9	4141.9	4150.8
17.5°	3978.0	4035.6	4080.4	4104.7	4108.6
20°	4042.0	4061.2	4038.2	4039.4	4054.8
22.5°	3958.8	3967.7	3974.1	3966.5	3999.8
25°	3825.6	3791.1	3865.3	3880.7	3934.5
27.5°	3784.7	3756.5	3791.1	3788.5	3833.3
30°	3751.4	3660.5	3675.8	3700.2	3755.2
32.5°	3704.0	3560.6	3545.2	3599.0	3660.5
35°	3620.8	3485.1	3449.2	3483.8	3576.0
37.5°	3550.4	3380.1	3308.4	3354.5	3474.8
40°	3445.4	3298.1	3186.7	3227.7	3369.8
42.5°	3319.9	3227.7	3056.2	3084.3	3246.9
45°	3193.1	3111.2	2929.4	2943.5	3136.8
47.5°	3063.8	2988.3	2797.5	2800.1	2996.0
50°	2937.1	2837.2	2679.7	2634.9	2846.2
52.5°	2771.9	2679.7	2560.7	2487.7	2704.1
55°	2615.7	2512.0	2424.9	2312.3	2542.7
57.5°	2463.4	2348.1	2289.2	2144.6	2359.7
60°	2254.7	2199.6	2112.5	1974.3	2194.5
62.5°	2040.8	2022.9	1934.6	1791.2	1990.9
65°	1791.2	1833.4	1742.5	1619.6	1779.7
67.5°	1555.6	1631.1	1531.3	1455.7	1576.1
70°	1304.7	1391.7	1335.4	1308.5	1359.7
72.5°	1057.6	1142.1	1147.2	1128.0	1144.6
75°	816.9	910.3	961.5	932.1	935.9
77.5°	619.7	664.5	720.8	743.9	738.8
80°	382.8	460.9	507.0	554.4	537.7
82.5°	193.3	258.6	315.0	366.2	341.8
85°	80.7	103.7	144.7	190.8	183.1
87.5°	24.3	41.0	43.5	61.5	57.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)