

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

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-85SL-RM-UNV-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-85SL-RM-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

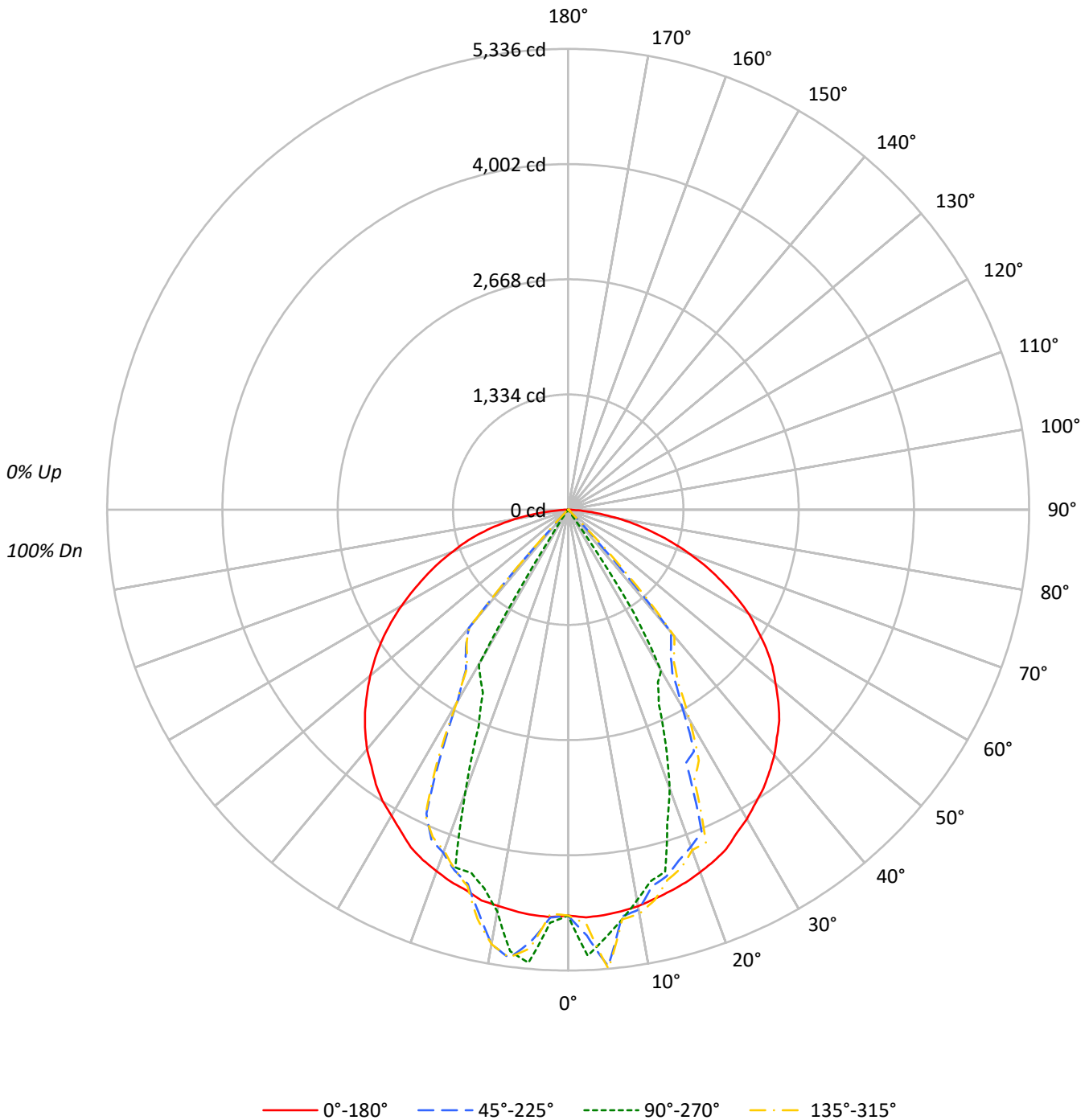
Lumens per Lamp: N/A
Luminaire Lumens: 6681.0 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90					90			
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65					65			
5	85	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59					59			
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	55	54					54			
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49					49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45					45			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42					42			
10	63	52	45	41	62	52	45	41	51	45	41	50	44	41	49	44	40	39					39			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18985	18985	18985	18985
5°	19088	19525	19083	20677
10°	19069	17668	19057	18179
15°	19044	16491	18997	16534
20°	19094	12990	19040	13150
25°	19179	9400	19086	8871
30°	19124	8246	18922	7927
35°	19217	182	18935	220
40°	19323	40	18860	40
45°	19438	23	18708	17
50°	19344	18	18457	18
55°	19297	13	18112	13
60°	19017	14	17530	14
65°	18132	22	16841	15
70°	16964	24	16148	24
75°	15205	27	15455	27
80°	12660	31	13382	31
85°	7930	37	8099	37



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.4	7.1
10°-20°	1285.8	19.2
20°-30°	1636.2	24.5
30°-40°	1382.1	20.7
40°-50°	903.6	13.5
50°-60°	569.3	8.5
60°-70°	303.1	4.5
70°-80°	110.5	1.7
80°-90°	19.0	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°	3393.4	50.8
0°-40°	4775.5	71.5
0°-60°	6248.4	93.5
0°-90°	6681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6681.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4699	4699	4699	4699	4699	
5°	4713	4972	4711	5266	4713	448
15°	4572	4339	4560	4350	4572	1292
25°	4333	2478	4312	2338	4333	1993
35°	3938	46	3881	56	3938	2464
45°	3455	6	3325	4	3455	2657
55°	2800	3	2628	3	2800	2495
65°	1960	4	1820	3	1960	1941
75°	1031	4	1048	4	1031	1094
85°	202	4	206	4	202	255
90°	0	0	0	0	0	



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CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	4725.4	4728.2	4729.6	4732.4	4736.7	4738.1	4740.9	4738.1	4738.1	4738.1	4738.1
5°	4712.7	4718.3	4722.6	4728.2	4738.1	4739.5	4750.8	4752.2	4757.8	4769.1	4777.5
7.5°	4691.5	4697.2	4705.6	4719.7	4733.8	4749.3	4769.1	4790.2	4819.9	4848.1	4883.3
10°	4660.5	4667.6	4677.4	4690.1	4759.2	4769.1	4812.8	4873.4	4890.4	4979.2	5045.5
12.5°	4615.4	4639.4	4664.7	4676.0	4742.3	4846.6	4993.3	4963.7	4931.3	5221.7	5217.5
15°	4571.7	4604.1	4591.4	4683.1	4743.7	4925.6	4863.6	4996.1	5238.7	5179.4	5182.3
17.5°	4525.1	4532.2	4602.7	4678.8	4787.4	4880.5	4956.6	5138.5	5186.5	5190.7	5138.5
20°	4465.9	4499.7	4602.7	4671.8	4855.1	4898.8	5063.8	5156.9	5137.1	5089.2	5000.3
22.5°	4405.3	4508.2	4612.6	4709.9	4838.2	4955.2	5037.0	5080.7	4977.8	4788.8	4687.3
25°	4333.4	4394.0	4530.8	4673.2	4834.0	4901.6	4949.6	4879.1	4745.1	4575.9	4405.3
27.5°	4222.0	4319.3	4494.1	4654.9	4800.1	4881.9	4804.3	4635.1	4419.4	4308.0	4230.4
30°	4135.9	4262.8	4406.7	4561.8	4712.7	4760.6	4563.2	4370.0	4222.0	4110.6	4093.6
32.5°	4031.6	4212.1	4348.9	4496.9	4623.8	4560.4	4368.6	4119.0	3996.3	3954.0	3970.9
35°	3938.5	4075.3	4254.4	4399.6	4491.3	4348.9	4045.7	3890.6	3831.3	3855.3	3824.3
37.5°	3827.1	4007.6	4172.6	4298.1	4267.1	4052.7	3796.1	3697.4	3704.4	3684.7	3625.5
40°	3711.5	3883.5	4055.6	4174.0	4065.4	3738.3	3567.6	3546.5	3550.7	3487.3	3402.7
42.5°	3576.1	3732.6	3904.7	4011.8	3777.8	3522.5	3406.9	3409.7	3373.0	3284.2	3239.1
45°	3454.8	3598.7	3777.8	3787.6	3500.0	3287.0	3253.2	3216.5	3134.7	3105.1	3071.3
47.5°	3299.7	3459.1	3607.1	3553.5	3227.8	3095.3	3069.9	2989.5	2948.6	2926.0	2897.8
50°	3134.7	3295.5	3430.9	3278.6	2971.2	2940.1	2856.9	2793.5	2765.3	2741.3	2715.9
52.5°	2978.2	3110.8	3249.0	2986.7	2773.7	2744.1	2649.6	2613.0	2584.8	2558.0	2552.3
55°	2800.5	2917.6	3012.1	2708.9	2584.8	2515.7	2448.0	2422.6	2395.8	2383.1	2404.3
57.5°	2598.9	2731.4	2717.3	2435.3	2380.3	2280.2	2254.8	2237.9	2218.1	2226.6	2050.3
60°	2417.0	2518.5	2449.4	2235.1	2142.0	2074.3	2051.8	2040.5	2051.8	1879.7	1652.7
62.5°	2192.8	2307.0	2167.4	2001.0	1902.3	1869.8	1850.1	1865.6	1700.6	1511.7	1456.7
65°	1960.1	2084.2	1878.3	1750.0	1687.9	1659.7	1658.3	1527.2	1365.0	1291.7	1291.7
67.5°	1735.9	1864.2	1599.1	1491.9	1468.0	1470.8	1389.0	1190.2	1145.0	1095.7	953.3
70°	1497.6	1610.4	1321.3	1256.4	1242.3	1232.5	1033.6	980.0	926.5	795.3	784.0
72.5°	1260.7	1315.7	1061.8	1046.3	1043.5	867.2	827.8	736.1	674.0	658.5	651.5
75°	1030.8	1013.9	839.0	853.1	719.2	657.1	593.7	540.1	531.6	526.0	131.1
77.5°	813.6	729.0	661.4	575.3	514.7	437.1	424.5	416.0	273.6	98.7	80.4
80°	592.3	472.4	440.0	373.7	318.7	306.0	313.1	95.9	76.1	63.5	55.0
82.5°	376.5	301.8	246.8	215.8	210.1	91.7	67.7	55.0	47.9	40.9	33.8
85°	201.6	134.0	124.1	104.4	62.0	42.3	35.3	26.8	22.6	18.3	16.9
87.5°	63.5	53.6	43.7	35.3	21.2	14.1	11.3	9.9	8.5	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	4735.2	4738.1	4736.7	4740.9	4740.9	4746.5	4750.8	4755.0	4763.4	4767.7	4800.1
5°	4795.9	4802.9	4824.1	4843.8	4867.8	4874.8	4915.7	4925.6	4973.6	4979.2	5137.1
7.5°	4931.3	4958.0	5008.8	5059.6	5110.3	5142.8	5199.2	5234.4	5272.5	5306.3	5431.9
10°	5094.8	5140.0	5189.3	5240.1	5269.7	5331.7	5365.6	5371.2	5361.3	5306.3	5103.3
12.5°	5255.6	5300.7	5279.6	5289.4	5324.7	5214.7	5230.2	5151.2	5206.2	4934.1	4732.4
15°	5233.0	5230.2	5178.0	5008.8	5037.0	4826.9	4742.3	4677.4	4729.6	4701.4	4670.4
17.5°	5165.3	5037.0	4946.8	4743.7	4657.7	4598.5	4599.9	4601.3	4575.9	4602.7	4523.7
20°	4879.1	4735.2	4601.3	4529.4	4504.0	4461.7	4482.8	4461.7	4463.1	4471.5	4350.3
22.5°	4498.3	4454.6	4377.1	4399.6	4391.2	4429.2	4401.0	4357.3	4371.4	4308.0	4216.3
25°	4344.6	4293.9	4291.0	4299.5	4286.8	4269.9	4244.5	4178.2	4174.0	4154.3	4112.0
27.5°	4189.5	4192.3	4200.8	4175.4	4130.3	4096.5	4058.4	4025.9	4038.6	4016.1	3958.3
30°	4082.3	4080.9	4030.2	4007.6	3924.4	3925.8	3916.0	3896.2	3883.5	3884.9	3848.3
32.5°	3930.1	3886.3	3828.5	3800.3	3793.3	3767.9	3748.1	3752.4	3762.2	3727.0	3765.1
35°	3773.5	3683.3	3674.8	3650.8	3628.3	3611.4	3618.4	3590.2	3588.8	3584.6	3274.3
37.5°	3563.4	3519.7	3515.5	3490.1	3474.6	3470.3	3443.6	3447.8	3460.5	3483.0	2792.1
40°	3390.0	3350.5	3340.6	3339.2	3305.4	3302.5	3309.6	3336.4	3354.7	3213.7	2660.9
42.5°	3203.8	3206.7	3175.6	3155.9	3160.1	3172.8	3206.7	3113.6	2697.6	2570.7	2432.5
45°	3044.5	3030.4	3013.5	3007.8	3044.5	3019.1	2646.8	2442.4	2393.0	2387.4	1999.6
47.5°	2878.1	2873.9	2866.8	2871.0	2662.3	2373.3	2288.7	2261.9	2270.3	2264.7	1717.5
50°	2710.3	2715.9	2715.9	2371.9	2177.3	2129.3	2136.4	2160.3	2010.9	1876.9	1600.5
52.5°	2565.0	2521.3	2160.3	2036.2	1992.5	2013.7	1962.9	1775.4	1640.0	1561.0	1480.6
55°	2295.7	1974.2	1893.8	1874.1	1889.6	1702.0	1586.4	1465.1	1429.9	1421.4	1374.9
57.5°	1806.4	1741.5	1748.6	1669.6	1490.5	1384.8	1338.2	1321.3	1305.8	1294.5	112.8
60°	1597.7	1616.0	1479.2	1310.0	1238.1	1224.0	1212.7	1197.2	1194.4	1174.6	71.9
62.5°	1462.3	1286.0	1167.6	1125.3	1108.4	1104.1	1083.0	1075.9	913.8	125.5	53.6
65°	1102.7	1030.8	1008.2	998.4	980.0	980.0	813.6	128.3	104.4	90.2	47.9
67.5°	899.7	894.0	882.7	870.1	592.3	124.1	108.6	94.5	81.8	71.9	42.3
70°	761.5	758.7	691.0	126.9	105.8	93.1	81.8	73.3	67.7	60.6	38.1
72.5°	624.7	126.9	107.2	93.1	80.4	73.3	66.3	59.2	53.6	49.4	31.0
75°	97.3	86.0	76.1	69.1	63.5	56.4	50.8	46.5	45.1	39.5	21.2
77.5°	70.5	60.6	55.0	49.4	43.7	39.5	33.8	29.6	26.8	22.6	15.5
80°	49.4	43.7	39.5	32.4	28.2	24.0	21.2	18.3	16.9	14.1	7.1
82.5°	28.2	24.0	21.2	16.9	15.5	12.7	11.3	9.9	9.9	7.1	7.1
85°	12.7	12.7	9.9	8.5	7.1	7.1	7.1	5.6	5.6	4.2	4.2
87.5°	5.6	5.6	5.6	5.6	5.6	4.2	4.2	4.2	4.2	4.2	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



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CANDELA DISTRIBUTION (continued):

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	4845.2	4863.6	4898.8	4935.5	4894.6	5041.2	5030.0	5079.3	5106.1	5118.8	5148.4
5°	5276.7	5358.5	5385.3	5304.9	5258.4	5210.5	5101.9	5020.1	5030.0	5003.2	4905.9
7.5°	5268.3	5093.4	4857.9	4750.8	4742.3	4729.6	4763.4	4783.2	4786.0	4784.6	4781.8
10°	4822.7	4732.4	4716.9	4702.8	4708.4	4656.3	4632.3	4564.6	4601.3	4581.5	4588.6
12.5°	4687.3	4666.1	4582.9	4467.3	4536.4	4484.2	4454.6	4474.4	4451.8	4430.7	4423.6
15°	4606.9	4470.1	4423.6	4395.4	4375.7	4364.4	4374.2	4351.7	4344.6	4340.4	4350.3
17.5°	4440.5	4385.5	4334.8	4260.0	4261.4	4257.2	4285.4	4327.7	4330.5	4113.4	3917.4
20°	4309.4	4264.3	4199.4	4152.9	4216.3	4103.5	3667.8	3460.5	3428.0	3428.0	3433.7
22.5°	4205.0	4104.9	4109.1	4035.8	3442.1	3320.9	3323.7	3336.4	3278.6	3081.2	3060.0
25°	4062.6	4047.1	3738.3	3230.6	3234.9	3140.4	2995.1	2790.7	2569.3	2569.3	2532.6
27.5°	3955.4	3626.9	3175.6	3154.5	2837.2	2637.0	2512.9	2325.3	2299.9	2276.0	2278.8
30°	3863.8	3068.5	3079.7	2637.0	2402.9	2236.5	2226.6	2195.6	2180.1	2175.8	2160.3
32.5°	3054.4	2988.1	2577.7	2244.9	2153.3	2126.5	2113.8	2078.5	2077.1	2050.3	1864.2
35°	2864.0	2622.9	2157.5	2067.3	2040.5	2015.1	1993.9	1338.2	157.9	63.5	55.0
37.5°	2646.8	2191.4	1995.3	1954.5	1929.1	1425.6	142.4	49.4	35.3	25.4	22.6
40°	2243.5	1957.3	1895.2	1850.1	762.9	49.4	31.0	24.0	14.1	12.7	11.3
42.5°	1892.4	1844.5	1778.2	541.5	56.4	24.0	15.5	11.3	9.9	9.9	8.5
45°	1771.1	1728.8	716.3	53.6	35.3	11.3	9.9	9.9	8.5	5.6	5.6
47.5°	1658.3	1459.5	64.9	33.8	22.6	9.9	8.5	5.6	5.6	5.6	4.2
50°	1538.5	80.4	45.1	25.4	14.1	5.6	5.6	5.6	5.6	4.2	4.2
52.5°	287.7	56.4	36.7	22.6	7.1	5.6	5.6	5.6	4.2	4.2	4.2
55°	67.7	45.1	33.8	19.7	5.6	5.6	5.6	4.2	4.2	4.2	2.8
57.5°	50.8	33.8	26.8	18.3	5.6	4.2	4.2	4.2	4.2	4.2	2.8
60°	42.3	24.0	21.2	16.9	4.2	4.2	4.2	4.2	4.2	4.2	2.8
62.5°	29.6	19.7	15.5	12.7	4.2	4.2	4.2	4.2	4.2	4.2	4.2
65°	24.0	15.5	12.7	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
67.5°	21.2	12.7	8.5	2.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2
70°	16.9	4.2	4.2	2.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2
72.5°	14.1	4.2	2.8	2.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2
75°	14.1	7.1	2.8	2.8	4.2	4.2	5.6	5.6	4.2	4.2	4.2
77.5°	9.9	7.1	2.8	2.8	4.2	4.2	5.6	5.6	4.2	4.2	4.2
80°	5.6	7.1	2.8	4.2	4.2	8.5	9.9	5.6	4.2	4.2	4.2
82.5°	5.6	7.1	8.5	8.5	4.2	7.1	8.5	7.1	5.6	4.2	4.2
85°	5.6	4.2	5.6	7.1	4.2	7.1	7.1	5.6	5.6	4.2	4.2
87.5°	2.8	4.2	4.2	5.6	5.6	5.6	7.1	5.6	5.6	5.6	4.2
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-LD5-85SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	5162.5	5168.2	5079.3	5048.3	5075.1	5069.4	5045.5	4956.6	4946.8	4887.5	4801.5
5°	4934.1	4972.1	4925.6	5006.0	4967.9	5006.0	5121.6	5175.2	5262.6	5316.2	5336.0
7.5°	4774.7	4783.2	4783.2	4790.2	4797.3	4798.7	4790.2	4784.6	4760.6	4731.0	4784.6
10°	4581.5	4591.4	4608.3	4605.5	4604.1	4633.7	4640.8	4701.4	4698.6	4709.9	4750.8
12.5°	4481.4	4405.3	4474.4	4456.0	4481.4	4441.9	4515.3	4502.6	4506.8	4540.6	4628.1
15°	4315.0	4339.0	4355.9	4355.9	4365.8	4357.3	4348.9	4406.7	4441.9	4443.3	4437.7
17.5°	3994.9	3813.0	3999.2	3951.2	4333.4	4343.2	4310.8	4284.0	4284.0	4305.2	4350.3
20°	3429.5	3433.7	3435.1	3453.4	3476.0	3474.6	3476.0	4031.6	4295.3	4234.6	4193.7
22.5°	3006.4	2954.2	3051.5	3044.5	3165.8	3299.7	3428.0	3415.4	3423.8	3815.8	4168.4
25°	2409.9	2477.6	2422.6	2446.6	2583.4	2742.7	2841.4	3099.5	3380.1	3360.4	3452.0
27.5°	2268.9	2250.6	2276.0	2276.0	2294.3	2315.4	2370.4	2515.7	2765.3	3027.6	3275.7
30°	2134.9	2150.5	2153.3	2178.7	2192.8	2206.9	2215.3	2270.3	2326.7	2508.6	2814.6
32.5°	1603.3	1405.9	1850.1	1970.0	2071.5	2095.5	2112.4	2134.9	2175.8	2202.6	2356.3
35°	46.5	46.5	49.4	56.4	71.9	485.1	1847.3	2036.2	2063.0	2096.9	2125.1
37.5°	22.6	16.9	19.7	21.2	25.4	35.3	50.8	157.9	1758.4	1988.3	2019.3
40°	9.9	9.9	9.9	9.9	11.3	14.1	21.2	35.3	53.6	1414.4	1907.9
42.5°	8.5	8.5	8.5	8.5	8.5	8.5	9.9	12.7	25.4	60.6	1001.2
45°	5.6	5.6	4.2	5.6	5.6	7.1	8.5	8.5	11.3	38.1	69.1
47.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	7.1	8.5	25.4	36.7
50°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	19.7	25.4
52.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	8.5	22.6
55°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.2	4.2	5.6	19.7
57.5°	2.8	2.8	2.8	2.8	2.8	4.2	2.8	2.8	4.2	4.2	18.3
60°	2.8	2.8	2.8	2.8	2.8	4.2	4.2	4.2	4.2	4.2	16.9
62.5°	4.2	4.2	2.8	4.2	2.8	2.8	4.2	4.2	4.2	4.2	11.3
65°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	2.8	4.2
67.5°	4.2	4.2	4.2	4.2	2.8	4.2	2.8	4.2	4.2	2.8	2.8
70°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	2.8	2.8	2.8	2.8
72.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	2.8	2.8	2.8	2.8
75°	4.2	4.2	4.2	4.2	4.2	4.2	5.6	5.6	2.8	2.8	2.8
77.5°	4.2	4.2	4.2	4.2	4.2	4.2	7.1	8.5	7.1	7.1	2.8
80°	4.2	4.2	4.2	4.2	4.2	4.2	7.1	7.1	7.1	7.1	9.9
82.5°	4.2	4.2	4.2	4.2	4.2	4.2	5.6	5.6	5.6	5.6	7.1
85°	4.2	4.2	4.2	4.2	4.2	4.2	5.6	5.6	5.6	4.2	5.6
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.6	4.2	4.2	4.2
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-LD5-85SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	4808.6	4760.6	4745.1	4712.7	4709.9	4712.7	4705.6	4695.8	4701.4	4691.5	4683.1
5°	5347.2	5218.9	5135.7	5024.3	4870.6	4836.8	4828.3	4780.4	4763.4	4757.8	4735.2
7.5°	4911.5	5145.6	5286.6	5334.6	5154.1	5111.7	5062.4	5022.9	4984.8	4912.9	4869.2
10°	4718.3	4729.6	4865.0	5022.9	5279.6	5314.8	5341.6	5255.6	5231.6	5048.3	5008.8
12.5°	4673.2	4674.6	4690.1	4786.0	4987.7	5010.2	5104.7	5155.5	5217.5	5252.8	5224.6
15°	4467.3	4581.5	4666.1	4674.6	4692.9	4732.4	4760.6	4936.9	5011.6	5211.9	5200.6
17.5°	4371.4	4408.1	4530.8	4630.9	4614.0	4599.9	4622.4	4646.4	4718.3	4918.6	4915.7
20°	4212.1	4329.1	4395.4	4499.7	4594.2	4598.5	4573.1	4559.0	4530.8	4563.2	4592.8
22.5°	4144.4	4162.7	4286.8	4360.1	4467.3	4505.4	4511.0	4512.4	4496.9	4480.0	4471.5
25°	4137.3	4079.5	4143.0	4234.6	4313.6	4354.5	4401.0	4416.6	4410.9	4410.9	4402.5
27.5°	3385.7	4061.2	4027.4	4088.0	4183.9	4212.1	4236.1	4284.0	4313.6	4334.8	4344.6
30°	3225.0	3346.3	3937.1	3945.6	4042.9	4040.0	4066.8	4106.3	4144.4	4193.7	4206.4
32.5°	2852.7	3150.2	3604.3	3803.1	3904.7	3914.5	3928.6	3939.9	3975.2	4030.2	4078.1
35°	2285.8	2869.6	3088.2	3735.5	3753.8	3773.5	3782.0	3808.8	3820.1	3842.6	3884.9
37.5°	2068.7	2371.9	2962.7	3230.6	3580.3	3597.3	3642.4	3653.7	3672.0	3690.3	3722.8
40°	1943.2	2026.4	2466.3	2885.1	3440.7	3452.0	3467.5	3495.7	3497.1	3518.3	3547.9
42.5°	1843.1	1896.6	2025.0	2755.4	3342.0	3340.6	3304.0	3322.3	3330.7	3353.3	3394.2
45°	1472.2	1779.6	1861.4	2250.6	2660.9	2852.7	3220.8	3160.1	3158.7	3167.2	3210.9
47.5°	74.7	1673.8	1731.6	1857.2	2512.9	2519.9	2567.9	2971.2	3033.2	3013.5	3017.7
50°	50.8	115.6	1613.2	1671.0	2166.0	2340.8	2376.1	2394.4	2627.1	2886.6	2844.2
52.5°	39.5	66.3	988.5	1551.2	1759.9	1888.2	2115.2	2244.9	2259.0	2363.4	2717.3
55°	35.3	50.8	107.2	1431.3	1496.2	1524.4	1656.9	1883.9	2067.3	2122.3	2126.5
57.5°	31.0	46.5	73.3	647.3	1360.8	1366.4	1389.0	1468.0	1632.9	1783.8	1954.5
60°	28.2	40.9	57.8	111.4	1236.7	1250.8	1255.0	1276.2	1295.9	1398.9	1594.9
62.5°	16.9	32.4	50.8	80.4	978.6	1123.9	1122.5	1136.6	1154.9	1166.2	1205.7
65°	14.1	25.4	43.7	67.7	119.9	149.5	908.1	1009.7	1020.9	1036.5	1043.5
67.5°	12.7	22.6	32.4	53.6	90.2	102.9	118.5	146.7	801.0	902.5	916.6
70°	11.3	15.5	26.8	45.1	73.3	79.0	88.8	101.5	119.9	148.1	724.8
72.5°	7.1	11.3	18.3	32.4	56.4	63.5	69.1	77.6	86.0	102.9	118.5
75°	2.8	8.5	15.5	24.0	43.7	47.9	52.2	57.8	64.9	76.1	84.6
77.5°	2.8	7.1	12.7	16.9	28.2	32.4	38.1	42.3	47.9	53.6	62.0
80°	9.9	5.6	8.5	12.7	19.7	21.2	24.0	26.8	31.0	35.3	40.9
82.5°	7.1	8.5	9.9	8.5	9.9	12.7	14.1	16.9	18.3	21.2	22.6
85°	5.6	5.6	7.1	7.1	7.1	7.1	7.1	7.1	8.5	9.9	12.7
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	4683.1	4680.2	4671.8	4671.8	4670.4	4676.0	4680.2	4684.5	4683.1	4691.5	4683.1
5°	4718.3	4711.3	4698.6	4687.3	4683.1	4685.9	4681.7	4685.9	4680.2	4687.3	4674.6
7.5°	4815.6	4791.6	4742.3	4722.6	4697.2	4695.8	4683.1	4680.2	4671.8	4671.8	4656.3
10°	4987.7	4872.0	4857.9	4798.7	4777.5	4674.6	4697.2	4659.1	4654.9	4636.5	4629.5
12.5°	5128.7	5038.4	5011.6	4959.5	4900.2	4691.5	4738.1	4656.3	4652.0	4615.4	4577.3
15°	5131.5	5183.7	5110.3	4966.5	4953.8	4810.0	4715.5	4687.3	4650.6	4540.6	4559.0
17.5°	4966.5	5086.4	5121.6	5090.6	5000.3	4903.0	4770.5	4714.1	4604.1	4554.7	4520.9
20°	4698.6	4819.9	4970.7	4980.6	5037.0	4967.9	4794.5	4702.8	4570.3	4484.2	4456.0
22.5°	4485.6	4574.5	4747.9	4828.3	4897.4	4921.4	4811.4	4676.0	4511.0	4427.8	4410.9
25°	4372.8	4392.6	4444.8	4539.2	4691.5	4801.5	4817.0	4673.2	4587.2	4405.3	4309.4
27.5°	4331.9	4315.0	4293.9	4341.8	4456.0	4590.0	4678.8	4702.8	4488.5	4315.0	4219.1
30°	4227.6	4237.5	4205.0	4188.1	4262.8	4401.0	4559.0	4598.5	4433.5	4254.4	4144.4
32.5°	4099.3	4116.2	4121.8	4092.2	4076.7	4172.6	4343.2	4437.7	4429.2	4168.4	4045.7
35°	3938.5	3986.5	3999.2	4000.6	3975.2	3959.7	4058.4	4254.4	4329.1	4128.9	3951.2
37.5°	3769.3	3783.4	3852.5	3870.8	3870.8	3824.3	3897.6	4054.1	4158.5	4040.0	3835.6
40°	3557.8	3602.9	3667.8	3700.2	3732.6	3736.9	3696.0	3806.0	3978.0	3948.4	3727.0
42.5°	3404.1	3433.7	3473.2	3516.9	3583.2	3600.1	3557.8	3577.5	3756.6	3834.2	3586.0
45°	3225.0	3264.5	3275.7	3323.7	3392.8	3442.1	3440.7	3399.8	3543.7	3639.6	3483.0
47.5°	3041.7	3079.7	3099.5	3123.5	3174.2	3237.7	3272.9	3254.6	3282.8	3470.3	3346.3
50°	2852.7	2873.9	2913.3	2940.1	2974.0	3010.6	3095.3	3112.2	3072.7	3222.2	3195.4
52.5°	2673.6	2680.7	2707.5	2734.3	2779.4	2806.2	2873.9	2924.6	2921.8	2965.5	3027.6
55°	2534.0	2503.0	2508.6	2529.8	2559.4	2600.3	2638.4	2717.3	2744.1	2752.6	2851.3
57.5°	1979.8	2298.5	2326.7	2325.3	2360.6	2378.9	2414.2	2466.3	2562.2	2541.1	2651.1
60°	1799.3	1834.6	2101.1	2132.1	2144.8	2161.7	2204.0	2252.0	2322.5	2367.6	2415.6
62.5°	1372.1	1586.4	1666.8	1902.3	1938.9	1948.8	1977.0	1999.6	2072.9	2175.8	2156.1
65°	1061.8	1153.5	1398.9	1494.7	1695.0	1720.4	1759.9	1783.8	1805.0	1923.4	1929.1
67.5°	918.0	932.1	998.4	1183.1	1310.0	1506.0	1530.0	1551.2	1583.6	1668.2	1720.4
70°	784.0	801.0	819.3	834.8	999.8	1129.5	1311.4	1318.5	1339.6	1396.0	1514.5
72.5°	148.1	669.8	681.1	691.0	709.3	795.3	968.8	1109.8	1118.2	1145.0	1253.6
75°	100.1	117.0	160.8	552.8	571.1	576.7	606.4	782.6	912.4	918.0	965.9
77.5°	71.9	80.4	97.3	115.6	294.7	442.8	449.8	482.3	616.2	713.5	722.0
80°	49.4	55.0	64.9	73.3	90.2	118.5	327.2	337.0	353.9	487.9	513.3
82.5°	28.2	32.4	38.1	46.5	53.6	67.7	87.4	112.8	229.9	245.4	325.7
85°	14.1	15.5	18.3	22.6	26.8	32.4	43.7	53.6	73.3	132.6	136.8
87.5°	7.1	7.1	7.1	7.1	11.3	12.7	15.5	19.7	25.4	38.1	49.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	4684.5	4704.2	4721.1	4725.4	4725.4	4728.2	4732.4	4735.2	4738.1	4740.9	4738.1
5°	4676.0	4697.2	4711.3	4715.5	4715.5	4724.0	4731.0	4739.5	4743.7	4743.7	4740.9
7.5°	4654.9	4670.4	4688.7	4700.0	4701.4	4715.5	4728.2	4726.8	4732.4	4735.2	4742.3
10°	4626.7	4626.7	4657.7	4666.1	4673.2	4688.7	4692.9	4701.4	4721.1	4724.0	4742.3
12.5°	4612.6	4598.5	4635.1	4639.4	4663.3	4643.6	4669.0	4677.4	4657.7	4684.5	4649.2
15°	4549.1	4566.0	4560.4	4573.1	4615.4	4592.8	4661.9	4639.4	4690.1	4629.5	4736.7
17.5°	4496.9	4494.1	4516.7	4528.0	4536.4	4584.4	4602.7	4628.1	4647.8	4630.9	4673.2
20°	4458.9	4436.3	4453.2	4465.9	4495.5	4532.2	4543.5	4505.4	4571.7	4684.5	4711.3
22.5°	4386.9	4371.4	4391.2	4391.2	4436.3	4430.7	4473.0	4449.0	4511.0	4642.2	4779.0
25°	4289.6	4291.0	4312.2	4337.6	4346.0	4409.5	4432.1	4463.1	4540.6	4697.2	4780.4
27.5°	4190.9	4182.5	4195.2	4247.3	4291.0	4337.6	4344.6	4450.4	4556.2	4663.3	4736.7
30°	4092.2	4083.8	4092.2	4130.3	4182.5	4213.5	4291.0	4432.1	4530.8	4604.1	4673.2
32.5°	3986.5	3978.0	3997.7	4025.9	4117.6	4121.8	4275.5	4408.1	4485.6	4539.2	4526.5
35°	3873.6	3862.4	3880.7	3924.4	4009.0	4040.0	4200.8	4299.5	4386.9	4412.3	4353.1
37.5°	3738.3	3718.5	3741.1	3801.7	3890.6	3980.8	4114.8	4229.0	4275.5	4207.9	4137.3
40°	3597.3	3583.2	3622.6	3653.7	3758.0	3883.5	4037.2	4117.6	4088.0	4010.4	3932.9
42.5°	3471.8	3442.1	3477.4	3536.6	3655.1	3797.5	3921.6	3966.7	3896.2	3782.0	3691.7
45°	3318.1	3282.8	3325.1	3404.1	3531.0	3693.2	3790.5	3774.9	3655.1	3556.4	3432.3
47.5°	3157.3	3115.0	3157.3	3251.8	3394.2	3566.2	3636.7	3566.2	3415.4	3291.3	3191.1
50°	2999.4	2950.0	2990.9	3133.3	3272.9	3405.5	3404.1	3267.3	3177.0	3041.7	2954.2
52.5°	2842.8	2772.3	2813.2	2968.3	3107.9	3258.8	3147.4	3020.5	2911.9	2793.5	2765.3
55°	2649.6	2573.5	2628.5	2854.1	2961.3	3050.1	2872.5	2761.0	2653.9	2594.7	2559.4
57.5°	2466.3	2383.1	2431.1	2697.6	2776.6	2799.1	2635.5	2477.6	2414.2	2394.4	2343.6
60°	2277.4	2182.9	2228.0	2535.4	2590.4	2498.8	2338.0	2215.3	2202.6	2163.2	2123.7
62.5°	2096.9	1992.5	2020.7	2333.8	2359.2	2192.8	2044.7	2012.3	1981.2	1941.8	1920.6
65°	1889.6	1781.0	1820.5	2119.4	2095.5	1881.1	1797.9	1790.9	1750.0	1717.5	1748.6
67.5°	1699.2	1570.9	1625.9	1885.4	1776.8	1601.9	1568.1	1551.2	1518.7	1537.1	1211.3
70°	1490.5	1350.9	1425.6	1632.9	1472.2	1356.6	1343.9	1318.5	1319.9	1049.1	884.2
72.5°	1257.8	1136.6	1245.2	1356.6	1164.8	1130.9	1112.6	1109.8	895.4	727.6	686.7
75°	1053.4	930.7	1047.7	1090.0	927.9	905.3	903.9	747.4	588.0	561.2	548.5
77.5°	822.1	727.6	839.0	775.6	712.1	686.7	616.2	462.5	442.8	424.5	159.3
80°	554.2	561.2	626.1	534.4	507.6	432.9	341.3	327.2	282.0	112.8	88.8
82.5°	337.0	423.0	399.1	334.2	327.2	235.5	215.8	110.0	81.8	64.9	56.4
85°	174.9	214.3	205.9	181.9	135.4	121.3	67.7	52.2	42.3	32.4	26.8
87.5°	59.2	79.0	76.1	60.6	46.5	36.7	24.0	19.7	14.1	11.3	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	4735.2	4735.2	4732.4	4735.2	4736.7	4733.8	4733.8	4736.7	4738.1	4739.5	4746.5
5°	4742.3	4745.1	4749.3	4757.8	4759.2	4776.1	4783.2	4787.4	4791.6	4793.1	4783.2
7.5°	4757.8	4767.7	4776.1	4774.7	4764.9	4738.1	4729.6	4722.6	4735.2	4767.7	4805.7
10°	4771.9	4726.8	4642.2	4757.8	4722.6	4755.0	4850.9	4872.0	4936.9	5028.6	5055.3
12.5°	4674.6	4798.7	4825.5	4695.8	4935.5	4846.6	4952.4	5045.5	5072.3	5165.3	5108.9
15°	4779.0	4839.6	4880.5	5010.2	4996.1	5072.3	5101.9	5083.5	5087.8	5111.7	5175.2
17.5°	4777.5	4898.8	4925.6	5013.0	5072.3	5073.7	5065.2	5056.8	5079.3	5097.6	5059.6
20°	4859.3	4898.8	4951.0	4986.2	4997.5	5011.6	5038.4	5017.3	4975.0	4934.1	4917.2
22.5°	4818.4	4907.3	4952.4	4958.0	4951.0	4907.3	4867.8	4808.6	4788.8	4767.7	4774.7
25°	4826.9	4867.8	4862.2	4839.6	4810.0	4728.2	4708.4	4683.1	4645.0	4553.3	4470.1
27.5°	4766.3	4745.1	4719.7	4664.7	4611.2	4567.4	4518.1	4436.3	4368.6	4269.9	4233.2
30°	4664.7	4580.1	4518.1	4485.6	4433.5	4360.1	4285.4	4185.3	4099.3	4079.5	4061.2
32.5°	4470.1	4386.9	4336.2	4257.2	4168.4	4080.9	3994.9	3955.4	3937.1	3939.9	3923.0
35°	4271.3	4198.0	4121.8	4003.4	3937.1	3849.7	3818.7	3810.2	3793.3	3774.9	3755.2
37.5°	4059.8	3973.8	3859.5	3789.0	3722.8	3687.5	3672.0	3659.3	3629.7	3597.3	3574.7
40°	3855.3	3700.2	3636.7	3567.6	3547.9	3532.4	3509.8	3478.8	3437.9	3432.3	3422.4
42.5°	3581.7	3470.3	3415.4	3401.3	3377.3	3350.5	3330.7	3296.9	3280.0	3291.3	3299.7
45°	3322.3	3265.9	3247.5	3230.6	3185.5	3147.4	3134.7	3123.5	3137.6	3199.6	3051.5
47.5°	3112.2	3089.6	3067.0	3038.8	2996.5	2968.3	2981.0	2992.3	3005.0	2549.5	2326.7
50°	2930.3	2899.2	2864.0	2833.0	2807.6	2804.8	2871.0	2672.2	2237.9	2226.6	2001.0
52.5°	2731.4	2684.9	2663.8	2645.4	2656.7	2699.0	2233.7	2072.9	1988.3	1727.4	1611.8
55°	2517.1	2476.2	2476.2	2493.1	2432.5	1971.4	1947.4	1683.7	1524.4	1479.2	1460.9
57.5°	2302.8	2298.5	2322.5	2123.7	1789.5	1716.1	1442.6	1384.8	1359.4	1353.7	1324.1
60°	2106.7	2146.2	1796.5	1652.7	1436.9	1295.9	1256.4	1249.4	1222.6	1212.7	1185.9
62.5°	1950.2	1617.4	1506.0	1229.6	1157.7	1139.4	1118.2	1108.4	1084.4	957.5	280.6
65°	1408.7	1331.2	1080.2	1033.6	1028.0	1001.2	992.7	892.6	210.1	141.0	119.9
67.5°	1063.2	943.4	910.9	902.5	875.7	822.1	244.0	139.6	119.9	104.4	91.7
70°	816.5	795.3	771.3	751.6	221.4	138.2	119.9	101.5	87.4	77.6	70.5
72.5°	668.4	654.3	380.7	145.2	118.5	100.1	88.8	77.6	67.7	62.0	56.4
75°	523.2	145.2	119.9	100.1	86.0	73.3	64.9	57.8	52.2	47.9	43.7
77.5°	118.5	95.9	81.8	69.1	62.0	55.0	49.4	42.3	38.1	33.8	28.2
80°	73.3	63.5	53.6	49.4	42.3	35.3	31.0	28.2	22.6	21.2	18.3
82.5°	47.9	38.1	33.8	28.2	22.6	21.2	18.3	14.1	12.7	11.3	9.9
85°	21.2	18.3	15.5	12.7	9.9	8.5	7.1	5.6	5.6	5.6	5.6
87.5°	7.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	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-LD5-85SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	4749.3	4774.7	4798.7	4791.6	4766.3	4726.8	4715.5	4700.0	4711.3	4735.2	4745.1
5°	4783.2	4769.1	4819.9	4894.6	5015.9	5027.1	5111.7	5131.5	5199.2	5241.5	5240.1
7.5°	4831.1	5031.4	5114.6	5204.8	5245.7	5235.8	5248.5	5238.7	5223.2	5216.1	5207.6
10°	5075.1	5227.4	5258.4	5258.4	5194.9	5108.9	5072.3	5008.8	4881.9	4884.7	4863.6
12.5°	5217.5	5271.1	5197.8	5135.7	4880.5	4781.8	4674.6	4623.8	4594.2	4549.1	4566.0
15°	5142.8	5066.6	5022.9	4822.7	4666.1	4488.5	4491.3	4460.3	4427.8	4430.7	4409.5
17.5°	5032.8	4972.1	4661.9	4523.7	4447.6	4378.5	4365.8	4324.9	4303.7	4296.7	4295.3
20°	4881.9	4663.3	4432.1	4398.2	4306.6	4227.6	4214.9	4227.6	4292.5	4176.8	3784.8
22.5°	4705.6	4391.2	4323.5	4227.6	4165.5	4134.5	4212.1	3859.5	3326.5	3391.4	3322.3
25°	4406.7	4269.9	4154.3	4080.9	4073.9	3883.5	3236.3	3168.6	2825.9	2642.6	2436.7
27.5°	4188.1	4128.9	4007.6	3994.9	3903.3	3175.6	2838.6	2466.3	2329.5	2308.4	2263.3
30°	4055.6	3970.9	3897.6	3577.5	3115.0	2556.6	2277.4	2225.2	2201.2	2175.8	2136.4
32.5°	3896.2	3815.8	3851.1	3007.8	2483.3	2201.2	2144.8	2106.7	2063.0	2046.1	1903.7
35°	3734.0	3697.4	3009.2	2528.4	2134.9	2067.3	2025.0	1985.5	1579.4	382.1	129.7
37.5°	3560.6	3552.1	2704.6	2098.3	1999.6	1936.1	1816.3	375.1	88.8	60.6	45.1
40°	3425.2	2706.1	2137.8	1967.1	1886.8	1786.6	251.0	62.0	39.5	24.0	15.5
42.5°	3335.0	2433.9	1913.6	1845.9	1671.0	184.7	63.5	26.8	15.5	12.7	9.9
45°	2570.7	1922.0	1788.1	1717.5	211.5	63.5	36.7	12.7	9.9	8.5	5.6
47.5°	2371.9	1745.8	1666.8	375.1	70.5	33.8	25.4	8.5	5.6	5.6	5.6
50°	1796.5	1613.2	1326.9	91.7	45.1	24.0	18.3	5.6	5.6	5.6	4.2
52.5°	1575.1	1489.1	142.4	60.6	35.3	18.3	11.3	4.2	4.2	4.2	4.2
55°	1439.8	944.8	84.6	46.5	29.6	16.9	7.1	4.2	4.2	4.2	2.8
57.5°	1317.1	126.9	62.0	39.5	26.8	15.5	4.2	4.2	4.2	4.2	2.8
60°	1116.8	91.7	50.8	35.3	25.4	14.1	4.2	4.2	4.2	4.2	4.2
62.5°	145.2	71.9	43.7	31.0	18.3	11.3	2.8	4.2	4.2	4.2	4.2
65°	105.8	56.4	39.5	21.2	11.3	4.2	2.8	4.2	4.2	4.2	4.2
67.5°	81.8	46.5	29.6	18.3	9.9	2.8	2.8	4.2	4.2	4.2	4.2
70°	64.9	39.5	24.0	15.5	8.5	2.8	2.8	4.2	4.2	4.2	4.2
72.5°	50.8	28.2	16.9	8.5	5.6	2.8	2.8	4.2	4.2	4.2	4.2
75°	38.1	22.6	12.7	7.1	2.8	2.8	2.8	4.2	4.2	4.2	4.2
77.5°	25.4	14.1	9.9	5.6	5.6	5.6	7.1	7.1	4.2	4.2	4.2
80°	16.9	9.9	7.1	7.1	7.1	5.6	7.1	7.1	4.2	7.1	4.2
82.5°	8.5	7.1	7.1	5.6	5.6	4.2	5.6	5.6	5.6	5.6	4.2
85°	5.6	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.6	5.6	4.2
87.5°	2.8	2.8	2.8	2.8	4.2	4.2	4.2	4.2	5.6	5.6	4.2
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-LD5-85SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	4732.4	4736.7	4725.4	4786.0	4755.0	4757.8	4770.5	4738.1	4745.1	4722.6	4707.0
5°	5245.7	5254.2	5262.6	5265.5	5271.1	5278.1	5269.7	5265.5	5257.0	5228.8	5199.2
7.5°	5165.3	5155.5	5151.2	5156.9	5166.7	5171.0	5163.9	5173.8	5210.5	5226.0	5235.8
10°	4742.3	4697.2	4728.2	4724.0	4688.7	4807.2	4774.7	4793.1	4805.7	4935.5	5014.4
12.5°	4540.6	4568.8	4515.3	4488.5	4523.7	4547.7	4571.7	4520.9	4591.4	4559.0	4663.3
15°	4371.4	4354.5	4348.9	4350.3	4343.2	4377.1	4385.5	4396.8	4406.7	4450.4	4467.3
17.5°	4295.3	4323.5	4334.8	4343.2	4329.1	4313.6	4298.1	4275.5	4282.6	4271.3	4303.7
20°	3521.1	3426.6	3421.0	3476.0	3415.4	3449.2	3531.0	4078.1	4059.8	4272.7	4200.8
22.5°	2938.7	2849.9	2773.7	2707.5	2801.9	2841.4	2993.7	3165.8	3445.0	3401.3	3704.4
25°	2400.1	2367.6	2347.9	2338.0	2345.1	2342.2	2376.1	2456.5	2583.4	2882.3	3268.7
27.5°	2244.9	2229.4	2222.4	2199.8	2216.7	2211.1	2237.9	2254.8	2292.9	2322.5	2448.0
30°	2122.3	2103.9	2091.2	2067.3	2084.2	2085.6	2094.1	2137.8	2153.3	2178.7	2218.1
32.5°	775.6	456.9	428.7	407.5	445.6	581.0	1019.5	1782.4	2033.4	2053.2	2098.3
35°	76.1	63.5	56.4	56.4	57.8	63.5	84.6	222.8	407.5	1575.1	1971.4
37.5°	29.6	25.4	21.2	19.7	21.2	24.0	32.4	42.3	57.8	119.9	534.4
40°	12.7	11.3	9.9	9.9	9.9	9.9	11.3	14.1	21.2	39.5	62.0
42.5°	8.5	7.1	7.1	7.1	7.1	7.1	7.1	7.1	9.9	12.7	25.4
45°	5.6	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.6	7.1	11.3
47.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.6
50°	4.2	4.2	4.2	4.2	2.8	4.2	2.8	4.2	4.2	4.2	4.2
52.5°	4.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.2	4.2
55°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.2
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	4.2	4.2	2.8
65°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.2	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°	4.2	4.2	2.8	4.2	2.8	2.8	4.2	4.2	4.2	2.8	2.8
72.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	8.5	8.5	5.6
75°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	7.1	8.5	7.1
77.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	7.1	7.1	7.1
80°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.6	5.6	5.6
82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.6	5.6	5.6
85°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
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-LD5-85SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	4680.2	4678.8	4708.4	4731.0	4722.6	4731.0	4740.9	4742.3	4745.1	4733.8	4729.6
5°	5142.8	5099.1	5014.4	4953.8	4883.3	4755.0	4691.5	4698.6	4700.0	4695.8	4701.4
7.5°	5231.6	5227.4	5197.8	5185.1	5137.1	5045.5	4898.8	4873.4	4811.4	4771.9	4739.5
10°	5008.8	5110.3	5137.1	5182.3	5210.5	5193.5	5069.4	5051.1	5011.6	4966.5	4976.4
12.5°	4767.7	4850.9	4855.1	5100.5	5155.5	5161.1	5113.2	5138.5	5144.2	5042.7	4983.4
15°	4471.5	4511.0	4594.2	4822.7	4989.1	5093.4	5124.4	5138.5	5069.4	5065.2	5041.2
17.5°	4341.8	4367.2	4405.3	4533.6	4786.0	4939.7	5070.9	5061.0	5087.8	5068.0	5007.4
20°	4178.2	4199.4	4267.1	4331.9	4456.0	4660.5	4905.9	4924.2	4959.5	4955.2	4972.1
22.5°	4175.4	4100.7	4112.0	4162.7	4292.5	4475.8	4736.7	4797.3	4819.9	4835.4	4853.7
25°	3312.4	3906.1	4014.7	4047.1	4131.7	4238.9	4546.3	4568.8	4611.2	4680.2	4731.0
27.5°	2869.6	3272.9	3707.3	3932.9	3986.5	4075.3	4258.6	4292.5	4436.3	4453.2	4532.2
30°	2264.7	2576.3	3225.0	3767.9	3856.7	3918.8	4048.5	4116.2	4178.2	4245.9	4329.1
32.5°	2130.7	2180.1	2539.7	3117.8	3808.8	3762.2	3858.1	3899.0	3966.7	4025.9	4086.6
35°	2008.0	2041.9	2118.0	2553.8	3102.3	3633.9	3698.8	3725.6	3763.7	3808.8	3852.5
37.5°	1879.7	1930.5	1982.7	2099.7	2869.6	3532.4	3531.0	3562.0	3584.6	3622.6	3659.3
40°	341.3	1772.5	1857.2	1933.3	2225.2	2817.5	3373.0	3387.2	3402.7	3426.6	3464.7
42.5°	55.0	296.1	1740.1	1813.4	1896.6	2522.7	3301.1	3243.3	3233.4	3250.4	3284.2
45°	28.2	71.9	349.7	1693.6	1768.3	2012.3	2699.0	3143.2	3133.3	3100.9	3107.9
47.5°	21.2	45.1	86.0	585.2	1655.5	1727.4	2490.3	2463.5	2651.1	3010.6	2955.6
50°	18.3	31.0	50.8	119.9	1462.3	1590.6	1917.8	2240.7	2339.4	2352.1	2783.6
52.5°	16.9	21.2	36.7	77.6	307.4	1470.8	1559.6	1672.4	1838.8	2195.6	2187.1
55°	15.5	19.7	31.0	52.2	107.2	1325.5	1417.2	1438.3	1473.6	1644.2	1869.8
57.5°	8.5	18.3	29.6	45.1	80.4	242.5	1286.0	1303.0	1331.2	1338.2	1418.6
60°	4.2	16.9	26.8	39.5	59.2	112.8	1156.3	1176.1	1193.0	1195.8	1221.2
62.5°	2.8	15.5	22.6	36.7	49.4	80.4	273.6	558.4	1061.8	1061.8	1091.4
65°	2.8	11.3	14.1	24.0	45.1	66.3	115.6	134.0	260.9	641.6	957.5
67.5°	2.8	4.2	12.7	19.7	33.8	50.8	84.6	98.7	118.5	135.4	251.0
70°	2.8	2.8	11.3	12.7	21.2	38.1	60.6	69.1	80.4	91.7	105.8
72.5°	2.8	2.8	9.9	9.9	14.1	25.4	46.5	50.8	57.8	64.9	74.7
75°	7.1	5.6	8.5	8.5	9.9	19.7	35.3	39.5	42.3	47.9	55.0
77.5°	7.1	7.1	7.1	7.1	7.1	12.7	22.6	25.4	29.6	32.4	38.1
80°	5.6	5.6	5.6	7.1	7.1	8.5	14.1	15.5	16.9	21.2	22.6
82.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	8.5	9.9	12.7
85°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.6	5.6	5.6	5.6
87.5°	4.2	4.2	4.2	2.8	2.8	4.2	4.2	4.2	4.2	4.2	4.2
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-LD5-85SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	4728.2	4719.7	4712.7	4716.9	4704.2	4698.6	4702.8	4704.2	4707.0	4714.1	4715.5
5°	4715.5	4712.7	4725.4	4732.4	4729.6	4732.4	4732.4	4726.8	4718.3	4724.0	4711.3
7.5°	4707.0	4688.7	4674.6	4677.4	4663.3	4680.2	4695.8	4718.3	4725.4	4725.4	4711.3
10°	4852.3	4832.5	4753.6	4700.0	4664.7	4633.7	4707.0	4632.3	4667.6	4533.6	4687.3
12.5°	4972.1	4998.9	4963.7	4817.0	4791.6	4698.6	4752.2	4660.5	4633.7	4480.0	4529.4
15°	5020.1	4969.3	4958.0	4917.2	4862.2	4835.4	4691.5	4676.0	4632.3	4649.2	4584.4
17.5°	4977.8	5003.2	4969.3	4942.5	4886.1	4822.7	4736.7	4660.5	4599.9	4464.5	4578.7
20°	4936.9	4970.7	4869.2	4886.1	4891.8	4818.4	4773.3	4709.9	4633.7	4506.8	4408.1
22.5°	4869.2	4845.2	4853.7	4828.3	4807.2	4817.0	4755.0	4711.3	4582.9	4525.1	4391.2
25°	4759.2	4750.8	4773.3	4770.5	4719.7	4702.8	4671.8	4625.3	4574.5	4481.4	4371.4
27.5°	4580.1	4623.8	4663.3	4681.7	4654.9	4609.7	4592.8	4566.0	4530.8	4436.3	4354.5
30°	4391.2	4440.5	4485.6	4525.1	4549.1	4529.4	4513.9	4498.3	4444.8	4382.7	4291.0
32.5°	4175.4	4240.3	4302.3	4350.3	4402.5	4418.0	4406.7	4394.0	4348.9	4292.5	4219.1
35°	3925.8	4014.7	4104.9	4190.9	4213.5	4250.2	4286.8	4265.7	4241.7	4185.3	4117.6
37.5°	3714.3	3777.8	3842.6	3951.2	4030.2	4076.7	4141.6	4150.0	4109.1	4082.3	3993.5
40°	3495.7	3553.5	3648.0	3711.5	3820.1	3873.6	3942.7	3973.8	3963.9	3948.4	3870.8
42.5°	3323.7	3351.9	3413.9	3470.3	3577.5	3687.5	3748.1	3782.0	3817.2	3804.6	3765.1
45°	3140.4	3165.8	3186.9	3236.3	3340.6	3437.9	3512.7	3563.4	3626.9	3656.5	3608.5
47.5°	2958.5	2965.5	2990.9	3031.8	3093.8	3168.6	3294.1	3370.2	3429.5	3487.3	3456.2
50°	2818.9	2793.5	2797.7	2823.1	2873.9	2947.2	3037.4	3144.6	3212.3	3282.8	3289.9
52.5°	2463.5	2669.4	2620.0	2634.1	2660.9	2696.2	2790.7	2896.4	2979.6	3040.3	3100.9
55°	2067.3	2108.2	2504.4	2448.0	2464.9	2495.9	2539.7	2645.4	2725.8	2810.4	2895.0
57.5°	1603.3	1907.9	1923.4	2290.1	2281.6	2284.4	2321.1	2381.7	2462.1	2567.9	2639.8
60°	1246.6	1374.9	1624.5	1751.4	2072.9	2084.2	2105.3	2140.6	2209.7	2309.8	2424.0
62.5°	1099.9	1116.8	1205.7	1396.0	1604.7	1857.2	1902.3	1907.9	1938.9	2039.1	2171.6
65°	965.9	977.2	1004.0	1023.8	1198.6	1442.6	1659.7	1695.0	1714.7	1774.0	1886.8
67.5°	665.6	841.9	865.8	879.9	896.8	1009.7	1279.0	1458.1	1480.6	1532.8	1631.5
70°	128.3	266.5	729.0	744.6	753.0	778.4	822.1	1107.0	1256.4	1305.8	1350.9
72.5°	87.4	102.9	124.1	293.3	620.5	634.6	644.4	681.1	933.5	1077.3	1101.3
75°	63.5	70.5	83.2	102.9	126.9	413.2	511.9	530.2	548.5	757.2	878.5
77.5°	45.1	50.8	56.4	66.3	77.6	100.1	143.8	396.2	414.6	424.5	599.3
80°	25.4	31.0	38.1	43.7	49.4	56.4	73.3	91.7	204.5	298.9	314.5
82.5°	14.1	16.9	19.7	24.0	26.8	33.8	40.9	49.4	64.9	95.9	203.1
85°	7.1	7.1	7.1	9.9	11.3	15.5	18.3	21.2	29.6	40.9	56.4
87.5°	4.2	4.2	5.6	5.6	5.6	7.1	7.1	7.1	8.5	12.7	18.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-85SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	4698.6	4698.6	4698.6	4698.6	4698.6
2.5°	4716.9	4712.7	4712.7	4729.6	4725.4
5°	4708.4	4704.2	4702.8	4721.1	4712.7
7.5°	4701.4	4685.9	4681.7	4698.6	4691.5
10°	4673.2	4661.9	4669.0	4663.3	4660.5
12.5°	4625.3	4618.2	4588.6	4591.4	4615.4
15°	4539.2	4567.4	4516.7	4561.8	4571.7
17.5°	4381.3	4444.8	4494.1	4520.9	4525.1
20°	4451.8	4473.0	4447.6	4449.0	4465.9
22.5°	4360.1	4370.0	4377.1	4368.6	4405.3
25°	4213.5	4175.4	4257.2	4274.1	4333.4
27.5°	4168.4	4137.3	4175.4	4172.6	4222.0
30°	4131.7	4031.6	4048.5	4075.3	4135.9
32.5°	4079.5	3921.6	3904.7	3963.9	4031.6
35°	3987.9	3838.4	3798.9	3837.0	3938.5
37.5°	3910.3	3722.8	3643.8	3694.6	3827.1
40°	3794.7	3632.5	3509.8	3555.0	3711.5
42.5°	3656.5	3555.0	3366.0	3397.0	3576.1
45°	3516.9	3426.6	3226.4	3241.9	3454.8
47.5°	3374.5	3291.3	3081.2	3084.0	3299.7
50°	3234.9	3124.9	2951.4	2902.1	3134.7
52.5°	3052.9	2951.4	2820.3	2739.9	2978.2
55°	2880.9	2766.7	2670.8	2546.7	2800.5
57.5°	2713.1	2586.2	2521.3	2362.0	2598.9
60°	2483.3	2422.6	2326.7	2174.4	2417.0
62.5°	2247.8	2228.0	2130.7	1972.8	2192.8
65°	1972.8	2019.3	1919.2	1783.8	1960.1
67.5°	1713.3	1796.5	1686.5	1603.3	1735.9
70°	1436.9	1532.8	1470.8	1441.2	1497.6
72.5°	1164.8	1257.8	1263.5	1242.3	1260.7
75°	899.7	1002.6	1059.0	1026.6	1030.8
77.5°	682.5	731.9	793.9	819.3	813.6
80°	421.6	507.6	558.4	610.6	592.3
82.5°	212.9	284.8	346.9	403.3	376.5
85°	88.8	114.2	159.3	210.1	201.6
87.5°	26.8	45.1	47.9	67.7	63.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)