

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-LD5-128SL-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-LD5-128SL-RM-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

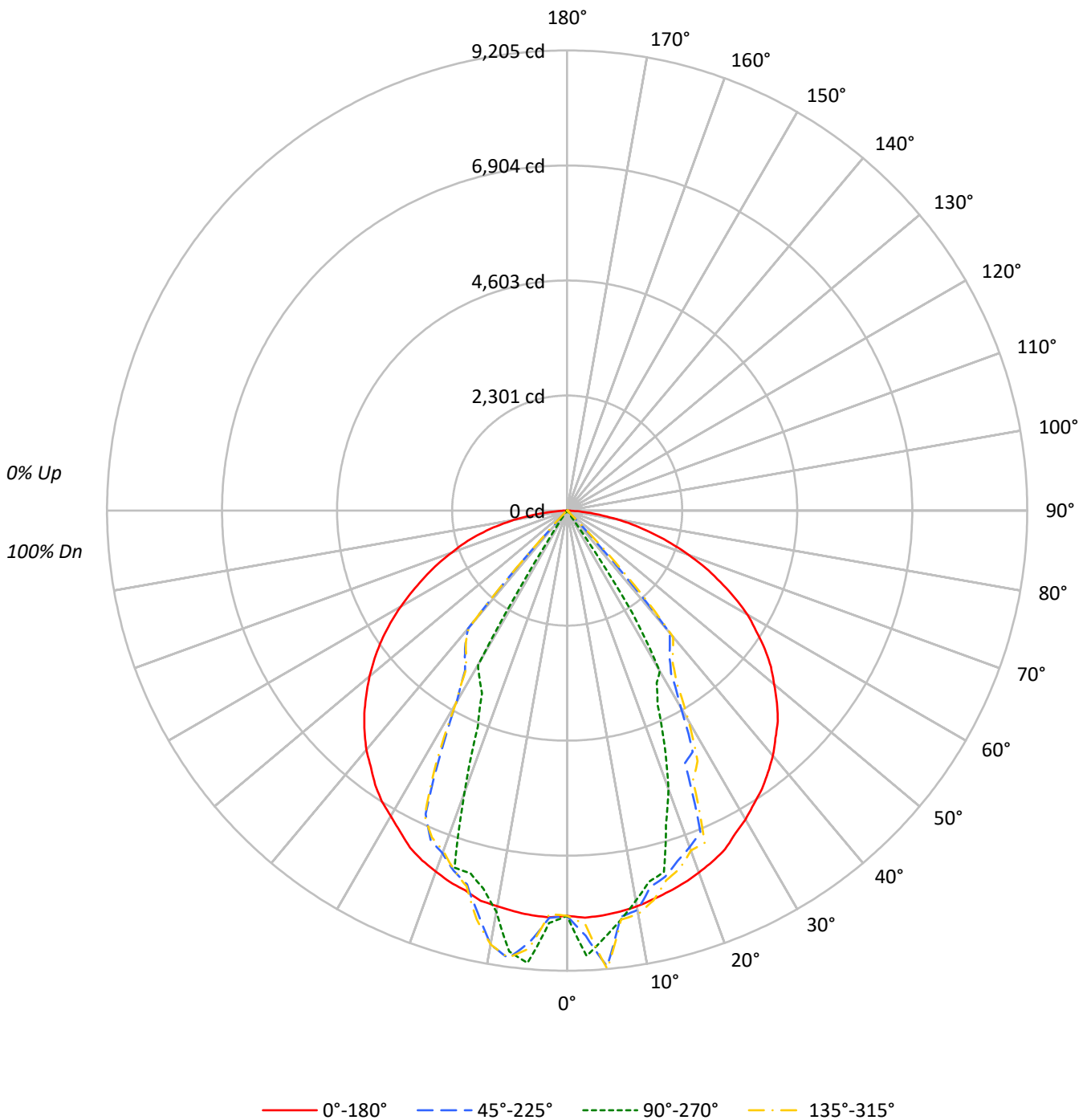
Lumens per Lamp: N/A  
Luminaire Lumens: 11525.0 lumens  
Efficiency: N/A  
Efficacy: 111.9 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 103  
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-LD5-128SL-RM-UNV-L950-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-128SL-RM-UNV-L950-CD1-U

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

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	32749	32749	32749	32749
5°	32928	33682	32918	35669
10°	32895	30479	32875	31358
15°	32851	28448	32770	28522
20°	32938	22407	32844	22683
25°	33085	16216	32923	15302
30°	32990	14225	32641	13674
35°	33150	314	32663	380
40°	33333	68	32535	68
45°	33531	40	32272	30
50°	33370	32	31839	32
55°	33289	22	31244	22
60°	32805	24	30240	24
65°	31278	39	29051	26
70°	29263	42	27857	42
75°	26230	47	26661	47
80°	21838	54	23086	54
85°	13685	64	13972	64



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-128SL-RM-UNV-L950-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	813.2	7.1
10°-20°	2218.1	19.2
20°-30°	2822.5	24.5
30°-40°	2384.2	20.7
40°-50°	1558.7	13.5
50°-60°	982.1	8.5
60°-70°	522.8	4.5
70°-80°	190.6	1.7
80°-90°	32.8	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°	5853.7	50.8
0°-40°	8237.9	71.5
0°-60°	10778.8	93.5
0°-90°	11525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11525.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	8105	8105	8105	8105	8105	
5°	8130	8577	8127	9083	8130	773
15°	7886	7485	7867	7504	7886	2229
25°	7475	4274	7439	4033	7475	3438
35°	6794	80	6694	97	6794	4250
45°	5960	10	5736	7	5960	4583
55°	4831	5	4534	5	4831	4305
65°	3381	7	3140	5	3381	3349
75°	1778	7	1807	7	1778	1887
85°	348	7	355	7	348	440
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8151.5	8156.3	8158.8	8163.6	8170.9	8173.4	8178.2	8173.4	8173.4	8173.4	8173.4
5°	8129.6	8139.3	8146.6	8156.3	8173.4	8175.8	8195.2	8197.7	8207.4	8226.9	8241.5
7.5°	8093.1	8102.8	8117.4	8141.7	8166.1	8192.8	8226.9	8263.4	8314.4	8363.1	8423.9
10°	8039.6	8051.7	8068.8	8090.6	8209.8	8226.9	8302.3	8406.9	8436.1	8589.3	8703.6
12.5°	7961.7	8003.1	8046.9	8066.3	8180.7	8360.7	8613.6	8562.6	8506.6	9007.7	9000.4
15°	7886.3	7942.3	7920.4	8078.5	8183.1	8496.9	8389.8	8618.5	9036.9	8934.7	8939.6
17.5°	7806.0	7818.2	7939.8	8071.2	8258.5	8419.0	8550.4	8864.2	8946.9	8954.2	8864.2
20°	7703.9	7762.3	7939.8	8059.0	8375.3	8450.7	8735.3	8895.8	8861.8	8779.1	8625.8
22.5°	7599.3	7776.8	7956.9	8124.7	8346.1	8548.0	8689.1	8764.5	8586.9	8260.9	8085.8
25°	7475.2	7579.8	7815.8	8061.5	8338.8	8455.5	8538.2	8416.6	8185.5	7893.6	7599.3
27.5°	7283.0	7450.9	7752.5	8029.8	8280.4	8421.5	8287.7	7995.8	7623.6	7431.4	7297.6
30°	7134.7	7353.6	7601.7	7869.3	8129.6	8212.3	7871.7	7538.5	7283.0	7090.9	7061.7
32.5°	6954.6	7266.0	7502.0	7757.4	7976.3	7866.9	7536.0	7105.5	6893.8	6820.9	6850.0
35°	6794.1	7030.1	7339.0	7589.5	7747.7	7502.0	6979.0	6711.4	6609.2	6650.6	6597.1
37.5°	6601.9	6913.3	7197.9	7414.4	7360.9	6991.1	6548.4	6378.1	6390.3	6356.2	6254.1
40°	6402.5	6699.2	6996.0	7200.3	7013.0	6448.7	6154.3	6117.9	6125.1	6015.7	5869.7
42.5°	6168.9	6438.9	6735.7	6920.6	6516.8	6076.5	5877.0	5881.9	5818.6	5665.4	5587.6
45°	5959.7	6207.9	6516.8	6533.8	6037.6	5670.3	5611.9	5548.6	5407.5	5356.5	5298.1
47.5°	5692.2	5967.0	6222.5	6130.0	5568.1	5339.4	5295.7	5157.0	5086.5	5047.5	4998.9
50°	5407.5	5684.9	5918.4	5655.7	5125.4	5071.9	4928.3	4818.9	4770.2	4728.9	4685.1
52.5°	5137.5	5366.2	5604.6	5152.1	4784.8	4733.7	4570.8	4507.5	4458.9	4412.6	4402.9
55°	4831.0	5032.9	5195.9	4672.9	4458.9	4339.7	4222.9	4179.1	4132.9	4111.0	4147.5
57.5°	4483.2	4711.8	4687.5	4201.0	4106.1	3933.4	3889.6	3860.4	3826.4	3841.0	3536.9
60°	4169.4	4344.5	4225.3	3855.6	3695.0	3578.3	3539.4	3519.9	3539.4	3242.6	2850.9
62.5°	3782.6	3979.6	3738.8	3451.8	3281.5	3225.6	3191.5	3218.3	2933.7	2607.7	2512.8
65°	3381.2	3595.3	3240.2	3018.8	2911.8	2863.1	2860.7	2634.4	2354.7	2228.2	2228.2
67.5°	2994.5	3215.8	2758.5	2573.6	2532.3	2537.1	2396.1	2053.1	1975.2	1890.1	1644.4
70°	2583.4	2778.0	2279.3	2167.4	2143.1	2126.0	1783.1	1690.6	1598.2	1372.0	1352.5
72.5°	2174.7	2269.6	1831.7	1804.9	1800.1	1496.0	1427.9	1269.8	1162.8	1136.0	1123.8
75°	1778.2	1749.0	1447.4	1471.7	1240.6	1133.6	1024.1	931.7	917.1	907.3	226.2
77.5°	1403.6	1257.6	1140.9	992.5	887.9	754.1	732.2	717.6	471.9	170.3	138.7
80°	1021.7	814.9	759.0	644.6	549.8	527.9	540.0	165.4	131.4	109.5	94.9
82.5°	649.5	520.6	425.7	372.2	362.4	158.1	116.8	94.9	82.7	70.5	58.4
85°	347.9	231.1	214.1	180.0	107.0	73.0	60.8	46.2	38.9	31.6	29.2
87.5°	109.5	92.4	75.4	60.8	36.5	24.3	19.5	17.0	14.6	12.2	12.2
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-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8168.5	8173.4	8170.9	8178.2	8178.2	8187.9	8195.2	8202.5	8217.1	8224.4	8280.4
5°	8273.1	8285.3	8321.7	8355.8	8397.1	8409.3	8479.9	8496.9	8579.6	8589.3	8861.8
7.5°	8506.6	8552.8	8640.4	8728.0	8815.5	8871.5	8968.8	9029.6	9095.3	9153.7	9370.2
10°	8788.8	8866.6	8951.8	9039.3	9090.4	9197.5	9255.8	9265.6	9248.5	9153.7	8803.4
12.5°	9066.1	9143.9	9107.5	9124.5	9185.3	8995.6	9022.3	8886.1	8981.0	8511.5	8163.6
15°	9027.2	9022.3	8932.3	8640.4	8689.1	8326.6	8180.7	8068.8	8158.8	8110.1	8056.6
17.5°	8910.4	8689.1	8533.4	8183.1	8034.7	7932.5	7935.0	7937.4	7893.6	7939.8	7803.6
20°	8416.6	8168.5	7937.4	7813.3	7769.6	7696.6	7733.1	7696.6	7699.0	7713.6	7504.4
22.5°	7759.8	7684.4	7550.6	7589.5	7574.9	7640.6	7592.0	7516.6	7540.9	7431.4	7273.3
25°	7494.7	7407.1	7402.2	7416.8	7394.9	7365.7	7322.0	7207.6	7200.3	7166.3	7093.3
27.5°	7227.1	7232.0	7246.6	7202.8	7124.9	7066.5	7000.9	6944.9	6966.8	6927.9	6828.2
30°	7042.2	7039.8	6952.2	6913.3	6769.8	6772.2	6755.2	6721.1	6699.2	6701.7	6638.4
32.5°	6779.5	6704.1	6604.4	6555.7	6543.5	6499.8	6465.7	6473.0	6490.0	6429.2	6494.9
35°	6509.5	6353.8	6339.2	6297.9	6258.9	6229.7	6241.9	6193.3	6190.8	6183.5	5648.4
37.5°	6147.0	6071.6	6064.3	6020.6	5993.8	5986.5	5940.3	5947.6	5969.5	6008.4	4816.4
40°	5847.8	5779.7	5762.7	5760.3	5701.9	5697.0	5709.2	5755.4	5787.0	5543.8	4590.2
42.5°	5526.7	5531.6	5478.1	5444.0	5451.3	5473.2	5531.6	5371.1	4653.5	4434.5	4196.1
45°	5251.9	5227.5	5198.4	5188.6	5251.9	5208.1	4565.9	4213.2	4128.0	4118.3	3449.3
47.5°	4964.8	4957.5	4945.4	4952.7	4592.6	4094.0	3948.0	3901.8	3916.4	3906.7	2962.8
50°	4675.4	4685.1	4685.1	4091.5	3755.9	3673.1	3685.3	3726.7	3468.8	3237.7	2760.9
52.5°	4424.8	4349.4	3726.7	3512.6	3437.2	3473.7	3386.1	3062.6	2829.1	2692.8	2554.2
55°	3960.2	3405.6	3266.9	3232.9	3259.6	2936.1	2736.6	2527.4	2466.6	2452.0	2371.7
57.5°	3116.1	3004.2	3016.4	2880.1	2571.2	2388.8	2308.5	2279.3	2252.5	2233.1	194.6
60°	2756.1	2787.7	2551.7	2259.8	2135.8	2111.4	2092.0	2065.2	2060.4	2026.3	124.1
62.5°	2522.5	2218.5	2014.1	1941.2	1912.0	1904.7	1868.2	1856.0	1576.3	216.5	92.4
65°	1902.3	1778.2	1739.3	1722.2	1690.6	1690.6	1403.6	221.4	180.0	155.7	82.7
67.5°	1552.0	1542.2	1522.8	1500.9	1021.7	214.1	187.3	163.0	141.1	124.1	73.0
70°	1313.6	1308.7	1191.9	218.9	182.4	160.5	141.1	126.5	116.8	104.6	65.7
72.5°	1077.6	218.9	184.9	160.5	138.7	126.5	114.3	102.2	92.4	85.1	53.5
75°	167.8	148.4	131.4	119.2	109.5	97.3	87.6	80.3	77.8	68.1	36.5
77.5°	121.6	104.6	94.9	85.1	75.4	68.1	58.4	51.1	46.2	38.9	26.8
80°	85.1	75.4	68.1	55.9	48.7	41.4	36.5	31.6	29.2	24.3	12.2
82.5°	48.7	41.4	36.5	29.2	26.8	21.9	19.5	17.0	17.0	12.2	12.2
85°	21.9	21.9	17.0	14.6	12.2	12.2	12.2	9.7	9.7	7.3	7.3
87.5°	9.7	9.7	9.7	9.7	9.7	7.3	7.3	7.3	7.3	7.3	4.9
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-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8358.2	8389.8	8450.7	8513.9	8443.4	8696.4	8676.9	8762.0	8808.2	8830.1	8881.2
5°	9102.6	9243.7	9289.9	9151.2	9071.0	8988.3	8801.0	8659.9	8676.9	8630.7	8462.8
7.5°	9088.0	8786.4	8380.1	8195.2	8180.7	8158.8	8217.1	8251.2	8256.1	8253.6	8248.8
10°	8319.3	8163.6	8136.9	8112.5	8122.3	8032.3	7990.9	7874.2	7937.4	7903.3	7915.5
12.5°	8085.8	8049.3	7905.8	7706.3	7825.5	7735.5	7684.4	7718.5	7679.5	7643.1	7630.9
15°	7947.1	7711.2	7630.9	7582.2	7548.2	7528.7	7545.8	7506.8	7494.7	7487.4	7504.4
17.5°	7660.1	7565.2	7477.6	7348.7	7351.2	7343.9	7392.5	7465.5	7470.3	7095.7	6757.6
20°	7433.9	7356.0	7244.1	7163.8	7273.3	7078.7	6327.1	5969.5	5913.5	5913.5	5923.2
22.5°	7253.9	7081.1	7088.4	6961.9	5937.8	5728.6	5733.5	5755.4	5655.7	5315.1	5278.6
25°	7008.2	6981.4	6448.7	5573.0	5580.3	5417.3	5166.7	4814.0	4432.1	4432.1	4368.9
27.5°	6823.3	6256.5	5478.1	5441.6	4894.3	4548.9	4334.8	4011.3	3967.5	3926.1	3931.0
30°	6665.2	5293.2	5312.7	4548.9	4145.1	3858.0	3841.0	3787.5	3760.7	3753.4	3726.7
32.5°	5268.9	5154.6	4446.7	3872.6	3714.5	3668.3	3646.4	3585.6	3583.1	3536.9	3215.8
35°	4940.5	4524.5	3721.8	3566.1	3519.9	3476.1	3439.6	2308.5	272.4	109.5	94.9
37.5°	4565.9	3780.2	3442.1	3371.5	3327.7	2459.3	245.7	85.1	60.8	43.8	38.9
40°	3870.2	3376.4	3269.3	3191.5	1316.0	85.1	53.5	41.4	24.3	21.9	19.5
42.5°	3264.5	3181.8	3067.4	934.1	97.3	41.4	26.8	19.5	17.0	17.0	14.6
45°	3055.3	2982.3	1235.7	92.4	60.8	19.5	17.0	17.0	14.6	9.7	9.7
47.5°	2860.7	2517.7	111.9	58.4	38.9	17.0	14.6	9.7	9.7	9.7	7.3
50°	2653.9	138.7	77.8	43.8	24.3	9.7	9.7	9.7	9.7	7.3	7.3
52.5°	496.2	97.3	63.2	38.9	12.2	9.7	9.7	9.7	7.3	7.3	7.3
55°	116.8	77.8	58.4	34.1	9.7	9.7	9.7	7.3	7.3	7.3	4.9
57.5°	87.6	58.4	46.2	31.6	9.7	7.3	7.3	7.3	7.3	7.3	4.9
60°	73.0	41.4	36.5	29.2	7.3	7.3	7.3	7.3	7.3	7.3	4.9
62.5°	51.1	34.1	26.8	21.9	7.3	7.3	7.3	7.3	7.3	7.3	7.3
65°	41.4	26.8	21.9	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
67.5°	36.5	21.9	14.6	4.9	7.3	7.3	7.3	7.3	7.3	7.3	7.3
70°	29.2	7.3	7.3	4.9	7.3	7.3	7.3	7.3	7.3	7.3	7.3
72.5°	24.3	7.3	4.9	4.9	7.3	7.3	7.3	7.3	7.3	7.3	7.3
75°	24.3	12.2	4.9	4.9	7.3	7.3	9.7	9.7	7.3	7.3	7.3
77.5°	17.0	12.2	4.9	4.9	7.3	7.3	9.7	9.7	7.3	7.3	7.3
80°	9.7	12.2	4.9	7.3	7.3	14.6	17.0	9.7	7.3	7.3	7.3
82.5°	9.7	12.2	14.6	14.6	7.3	12.2	14.6	12.2	9.7	7.3	7.3
85°	9.7	7.3	9.7	12.2	7.3	12.2	12.2	9.7	9.7	7.3	7.3
87.5°	4.9	7.3	7.3	9.7	9.7	9.7	12.2	9.7	9.7	9.7	7.3
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-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8905.5	8915.3	8762.0	8708.5	8754.7	8745.0	8703.6	8550.4	8533.4	8431.2	8282.8
5°	8511.5	8577.2	8496.9	8635.5	8569.9	8635.5	8835.0	8927.4	9078.3	9170.7	9204.8
7.5°	8236.6	8251.2	8251.2	8263.4	8275.5	8278.0	8263.4	8253.6	8212.3	8161.2	8253.6
10°	7903.3	7920.4	7949.6	7944.7	7942.3	7993.3	8005.5	8110.1	8105.2	8124.7	8195.2
12.5°	7730.6	7599.3	7718.5	7686.8	7730.6	7662.5	7789.0	7767.1	7774.4	7832.8	7983.6
15°	7443.6	7484.9	7514.1	7514.1	7531.2	7516.6	7502.0	7601.7	7662.5	7665.0	7655.2
17.5°	6891.4	6577.6	6898.7	6816.0	7475.2	7492.2	7436.3	7390.1	7390.1	7426.6	7504.4
20°	5916.0	5923.2	5925.7	5957.3	5996.2	5993.8	5996.2	6954.6	7409.5	7304.9	7234.4
22.5°	5186.2	5096.2	5264.0	5251.9	5461.1	5692.2	5913.5	5891.6	5906.2	6582.5	7190.6
25°	4157.2	4274.0	4179.1	4220.5	4456.4	4731.3	4901.6	5346.7	5830.8	5796.8	5954.9
27.5°	3914.0	3882.3	3926.1	3926.1	3957.8	3994.2	4089.1	4339.7	4770.2	5222.7	5650.8
30°	3682.9	3709.6	3714.5	3758.3	3782.6	3806.9	3821.5	3916.4	4013.7	4327.5	4855.4
32.5°	2765.8	2425.2	3191.5	3398.3	3573.4	3614.8	3644.0	3682.9	3753.4	3799.6	4064.8
35°	80.3	80.3	85.1	97.3	124.1	836.8	3186.6	3512.6	3558.8	3617.2	3665.8
37.5°	38.9	29.2	34.1	36.5	43.8	60.8	87.6	272.4	3033.4	3429.9	3483.4
40°	17.0	17.0	17.0	17.0	19.5	24.3	36.5	60.8	92.4	2439.8	3291.2
42.5°	14.6	14.6	14.6	14.6	14.6	14.6	17.0	21.9	43.8	104.6	1727.1
45°	9.7	9.7	7.3	9.7	9.7	12.2	14.6	14.6	19.5	65.7	119.2
47.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	12.2	14.6	43.8	63.2
50°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	34.1	43.8
52.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	14.6	38.9
55°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	7.3	7.3	9.7	34.1
57.5°	4.9	4.9	4.9	4.9	4.9	7.3	4.9	4.9	7.3	7.3	31.6
60°	4.9	4.9	4.9	4.9	4.9	7.3	7.3	7.3	7.3	7.3	29.2
62.5°	7.3	7.3	4.9	7.3	4.9	4.9	7.3	7.3	7.3	7.3	19.5
65°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	4.9	7.3
67.5°	7.3	7.3	7.3	7.3	4.9	7.3	4.9	7.3	7.3	4.9	4.9
70°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	4.9	4.9	4.9	4.9
72.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	4.9	4.9	4.9	4.9
75°	7.3	7.3	7.3	7.3	7.3	7.3	9.7	9.7	4.9	4.9	4.9
77.5°	7.3	7.3	7.3	7.3	7.3	7.3	12.2	14.6	12.2	12.2	4.9
80°	7.3	7.3	7.3	7.3	7.3	7.3	12.2	12.2	12.2	12.2	17.0
82.5°	7.3	7.3	7.3	7.3	7.3	7.3	9.7	9.7	9.7	9.7	12.2
85°	7.3	7.3	7.3	7.3	7.3	7.3	9.7	9.7	9.7	7.3	9.7
87.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.7	7.3	7.3	7.3
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-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8295.0	8212.3	8185.5	8129.6	8124.7	8129.6	8117.4	8100.4	8110.1	8093.1	8078.5
5°	9224.2	9002.9	8859.3	8667.2	8402.0	8343.6	8329.0	8246.3	8217.1	8207.4	8168.5
7.5°	8472.6	8876.4	9119.6	9202.3	8891.0	8818.0	8732.8	8664.7	8599.0	8475.0	8399.6
10°	8139.3	8158.8	8392.3	8664.7	9107.5	9168.3	9214.5	9066.1	9024.7	8708.5	8640.4
12.5°	8061.5	8063.9	8090.6	8256.1	8603.9	8642.8	8805.8	8893.4	9000.4	9061.2	9012.6
15°	7706.3	7903.3	8049.3	8063.9	8095.5	8163.6	8212.3	8516.3	8645.3	8990.7	8971.2
17.5°	7540.9	7604.1	7815.8	7988.5	7959.3	7935.0	7973.9	8015.2	8139.3	8484.7	8479.9
20°	7266.0	7467.9	7582.2	7762.3	7925.2	7932.5	7888.7	7864.4	7815.8	7871.7	7922.8
22.5°	7149.3	7180.9	7394.9	7521.4	7706.3	7772.0	7781.7	7784.1	7757.4	7728.2	7713.6
25°	7137.1	7037.4	7146.8	7304.9	7441.2	7511.7	7592.0	7618.7	7609.0	7609.0	7594.4
27.5°	5840.5	7005.7	6947.4	7051.9	7217.4	7266.0	7307.4	7390.1	7441.2	7477.6	7494.7
30°	5563.2	5772.4	6791.7	6806.3	6974.1	6969.2	7015.5	7083.6	7149.3	7234.4	7256.3
32.5°	4921.0	5434.3	6217.6	6560.6	6735.7	6752.7	6777.1	6796.5	6857.3	6952.2	7034.9
35°	3943.2	4950.2	5327.3	6443.8	6475.4	6509.5	6524.1	6570.3	6589.8	6628.7	6701.7
37.5°	3568.5	4091.5	5110.8	5573.0	6176.2	6205.4	6283.3	6302.7	6334.3	6366.0	6421.9
40°	3352.0	3495.6	4254.5	4977.0	5935.4	5954.9	5981.6	6030.3	6032.7	6069.2	6120.3
42.5°	3179.3	3271.8	3493.1	4753.2	5765.1	5762.7	5699.5	5731.1	5745.7	5784.6	5855.1
45°	2539.6	3069.9	3211.0	3882.3	4590.2	4921.0	5555.9	5451.3	5448.9	5463.5	5538.9
47.5°	128.9	2887.4	2987.2	3203.7	4334.8	4347.0	4429.7	5125.4	5232.4	5198.4	5205.6
50°	87.6	199.5	2782.8	2882.6	3736.4	4038.0	4098.8	4130.5	4531.8	4979.4	4906.4
52.5°	68.1	114.3	1705.2	2675.8	3035.8	3257.2	3648.8	3872.6	3896.9	4076.9	4687.5
55°	60.8	87.6	184.9	2469.0	2580.9	2629.6	2858.2	3249.9	3566.1	3661.0	3668.3
57.5°	53.5	80.3	126.5	1116.5	2347.4	2357.1	2396.1	2532.3	2816.9	3077.2	3371.5
60°	48.7	70.5	99.7	192.2	2133.3	2157.7	2165.0	2201.5	2235.5	2413.1	2751.2
62.5°	29.2	55.9	87.6	138.7	1688.2	1938.7	1936.3	1960.6	1992.3	2011.7	2079.8
65°	24.3	43.8	75.4	116.8	206.8	257.8	1566.6	1741.7	1761.2	1787.9	1800.1
67.5°	21.9	38.9	55.9	92.4	155.7	177.6	204.3	253.0	1381.7	1556.8	1581.2
70°	19.5	26.8	46.2	77.8	126.5	136.2	153.3	175.1	206.8	255.4	1250.3
72.5°	12.2	19.5	31.6	55.9	97.3	109.5	119.2	133.8	148.4	177.6	204.3
75°	4.9	14.6	26.8	41.4	75.4	82.7	90.0	99.7	111.9	131.4	146.0
77.5°	4.9	12.2	21.9	29.2	48.7	55.9	65.7	73.0	82.7	92.4	107.0
80°	17.0	9.7	14.6	21.9	34.1	36.5	41.4	46.2	53.5	60.8	70.5
82.5°	12.2	14.6	17.0	14.6	17.0	21.9	24.3	29.2	31.6	36.5	38.9
85°	9.7	9.7	12.2	12.2	12.2	12.2	12.2	12.2	14.6	17.0	21.9
87.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.7	9.7
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-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8078.5	8073.6	8059.0	8059.0	8056.6	8066.3	8073.6	8080.9	8078.5	8093.1	8078.5
5°	8139.3	8127.1	8105.2	8085.8	8078.5	8083.3	8076.1	8083.3	8073.6	8085.8	8063.9
7.5°	8307.1	8265.8	8180.7	8146.6	8102.8	8100.4	8078.5	8073.6	8059.0	8059.0	8032.3
10°	8603.9	8404.4	8380.1	8278.0	8241.5	8063.9	8102.8	8037.1	8029.8	7998.2	7986.0
12.5°	8847.2	8691.5	8645.3	8555.3	8453.1	8093.1	8173.4	8032.3	8025.0	7961.7	7896.0
15°	8852.0	8942.0	8815.5	8567.4	8545.5	8297.4	8134.4	8085.8	8022.5	7832.8	7864.4
17.5°	8567.4	8774.2	8835.0	8781.5	8625.8	8458.0	8229.3	8132.0	7942.3	7857.1	7798.7
20°	8105.2	8314.4	8574.7	8591.8	8689.1	8569.9	8270.7	8112.5	7883.9	7735.5	7686.8
22.5°	7737.9	7891.2	8190.4	8329.0	8448.2	8489.6	8299.8	8066.3	7781.7	7638.2	7609.0
25°	7543.3	7577.4	7667.4	7830.4	8093.1	8282.8	8309.6	8061.5	7913.1	7599.3	7433.9
27.5°	7472.8	7443.6	7407.1	7489.8	7686.8	7917.9	8071.2	8112.5	7742.8	7443.6	7278.2
30°	7292.8	7309.8	7253.9	7224.7	7353.6	7592.0	7864.4	7932.5	7647.9	7339.0	7149.3
32.5°	7071.4	7100.6	7110.3	7059.2	7032.5	7197.9	7492.2	7655.2	7640.6	7190.6	6979.0
35°	6794.1	6876.8	6898.7	6901.1	6857.3	6830.6	7000.9	7339.0	7467.9	7122.5	6816.0
37.5°	6502.2	6526.5	6645.7	6677.3	6677.3	6597.1	6723.6	6993.6	7173.6	6969.2	6616.5
40°	6137.3	6215.2	6327.1	6383.0	6438.9	6446.2	6375.7	6565.4	6862.2	6811.1	6429.2
42.5°	5872.2	5923.2	5991.4	6066.8	6181.1	6210.3	6137.3	6171.4	6480.3	6614.1	6186.0
45°	5563.2	5631.3	5650.8	5733.5	5852.7	5937.8	5935.4	5864.9	6113.0	6278.4	6008.4
47.5°	5247.0	5312.7	5346.7	5388.1	5475.7	5585.1	5645.9	5614.3	5663.0	5986.5	5772.4
50°	4921.0	4957.5	5025.6	5071.9	5130.2	5193.5	5339.4	5368.6	5300.5	5558.4	5512.1
52.5°	4612.1	4624.3	4670.5	4716.7	4794.5	4840.8	4957.5	5045.1	5040.2	5115.6	5222.7
55°	4371.3	4317.8	4327.5	4364.0	4415.1	4485.6	4551.3	4687.5	4733.7	4748.3	4918.6
57.5°	3415.3	3965.0	4013.7	4011.3	4072.1	4103.7	4164.5	4254.5	4419.9	4383.4	4573.2
60°	3103.9	3164.7	3624.5	3678.0	3699.9	3729.1	3802.1	3884.8	4006.4	4084.2	4167.0
62.5°	2366.9	2736.6	2875.3	3281.5	3344.8	3361.8	3410.4	3449.3	3575.8	3753.4	3719.4
65°	1831.7	1989.8	2413.1	2578.5	2923.9	2967.7	3035.8	3077.2	3113.7	3318.0	3327.7
67.5°	1583.6	1607.9	1722.2	2040.9	2259.8	2598.0	2639.3	2675.8	2731.7	2877.7	2967.7
70°	1352.5	1381.7	1413.3	1440.1	1724.7	1948.5	2262.3	2274.4	2310.9	2408.2	2612.6
72.5°	255.4	1155.5	1174.9	1191.9	1223.6	1372.0	1671.2	1914.4	1929.0	1975.2	2162.5
75°	172.7	201.9	277.3	953.6	985.2	994.9	1046.0	1350.1	1573.9	1583.6	1666.3
77.5°	124.1	138.7	167.8	199.5	508.4	763.8	776.0	831.9	1063.0	1230.9	1245.5
80°	85.1	94.9	111.9	126.5	155.7	204.3	564.4	581.4	610.6	841.7	885.4
82.5°	48.7	55.9	65.7	80.3	92.4	116.8	150.8	194.6	396.5	423.3	561.9
85°	24.3	26.8	31.6	38.9	46.2	55.9	75.4	92.4	126.5	228.7	236.0
87.5°	12.2	12.2	12.2	12.2	19.5	21.9	26.8	34.1	43.8	65.7	85.1
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-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8080.9	8115.0	8144.2	8151.5	8151.5	8156.3	8163.6	8168.5	8173.4	8178.2	8173.4
5°	8066.3	8102.8	8127.1	8134.4	8134.4	8149.0	8161.2	8175.8	8183.1	8183.1	8178.2
7.5°	8029.8	8056.6	8088.2	8107.7	8110.1	8134.4	8156.3	8153.9	8163.6	8168.5	8180.7
10°	7981.2	7981.2	8034.7	8049.3	8061.5	8088.2	8095.5	8110.1	8144.2	8149.0	8180.7
12.5°	7956.9	7932.5	7995.8	8003.1	8044.4	8010.4	8054.2	8068.8	8034.7	8080.9	8020.1
15°	7847.4	7876.6	7866.9	7888.7	7961.7	7922.8	8042.0	8003.1	8090.6	7986.0	8170.9
17.5°	7757.4	7752.5	7791.4	7810.9	7825.5	7908.2	7939.8	7983.6	8017.7	7988.5	8061.5
20°	7691.7	7652.8	7682.0	7703.9	7755.0	7818.2	7837.7	7772.0	7886.3	8080.9	8127.1
22.5°	7567.6	7540.9	7574.9	7574.9	7652.8	7643.1	7716.0	7674.7	7781.7	8007.9	8243.9
25°	7399.8	7402.2	7438.7	7482.5	7497.1	7606.6	7645.5	7699.0	7832.8	8102.8	8246.3
27.5°	7229.5	7214.9	7236.8	7326.8	7402.2	7482.5	7494.7	7677.1	7859.6	8044.4	8170.9
30°	7059.2	7044.7	7059.2	7124.9	7214.9	7268.4	7402.2	7645.5	7815.8	7942.3	8061.5
32.5°	6876.8	6862.2	6896.3	6944.9	7103.0	7110.3	7375.5	7604.1	7737.9	7830.4	7808.5
35°	6682.2	6662.7	6694.4	6769.8	6915.7	6969.2	7246.6	7416.8	7567.6	7611.4	7509.3
37.5°	6448.7	6414.6	6453.5	6558.1	6711.4	6867.1	7098.2	7295.2	7375.5	7258.7	7137.1
40°	6205.4	6181.1	6249.2	6302.7	6482.7	6699.2	6964.4	7103.0	7051.9	6918.2	6784.4
42.5°	5988.9	5937.8	5998.7	6100.8	6305.2	6550.8	6764.9	6842.8	6721.1	6524.1	6368.4
45°	5723.8	5663.0	5735.9	5872.2	6091.1	6370.8	6538.7	6511.9	6305.2	6134.9	5920.8
47.5°	5446.5	5373.5	5446.5	5609.5	5855.1	6151.9	6273.5	6151.9	5891.6	5677.6	5504.9
50°	5174.0	5088.9	5159.4	5405.1	5645.9	5874.6	5872.2	5636.2	5480.5	5247.0	5096.2
52.5°	4904.0	4782.4	4852.9	5120.5	5361.3	5621.6	5429.4	5210.5	5023.2	4818.9	4770.2
55°	4570.8	4439.4	4534.3	4923.5	5108.3	5261.6	4955.1	4762.9	4578.1	4475.9	4415.1
57.5°	4254.5	4111.0	4193.7	4653.5	4789.7	4828.6	4546.4	4274.0	4164.5	4130.5	4042.9
60°	3928.6	3765.6	3843.4	4373.7	4468.6	4310.5	4033.2	3821.5	3799.6	3731.5	3663.4
62.5°	3617.2	3437.2	3485.8	4025.9	4069.6	3782.6	3527.2	3471.2	3417.7	3349.6	3313.1
65°	3259.6	3072.3	3140.4	3656.1	3614.8	3245.0	3101.5	3089.3	3018.8	2962.8	3016.4
67.5°	2931.2	2709.9	2804.7	3252.3	3065.0	2763.4	2705.0	2675.8	2619.9	2651.5	2089.6
70°	2571.2	2330.4	2459.3	2816.9	2539.6	2340.1	2318.2	2274.4	2276.9	1809.8	1525.2
72.5°	2169.8	1960.6	2147.9	2340.1	2009.3	1950.9	1919.3	1914.4	1544.7	1255.2	1184.6
75°	1817.1	1605.5	1807.4	1880.4	1600.6	1561.7	1559.3	1289.2	1014.4	968.2	946.3
77.5°	1418.2	1255.2	1447.4	1337.9	1228.4	1184.6	1063.0	797.9	763.8	732.2	274.9
80°	956.0	968.2	1080.1	921.9	875.7	746.8	588.7	564.4	486.5	194.6	153.3
82.5°	581.4	729.8	688.4	576.5	564.4	406.2	372.2	189.7	141.1	111.9	97.3
85°	301.6	369.7	355.2	313.8	233.5	209.2	116.8	90.0	73.0	55.9	46.2
87.5°	102.2	136.2	131.4	104.6	80.3	63.2	41.4	34.1	24.3	19.5	17.0
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-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8168.5	8168.5	8163.6	8168.5	8170.9	8166.1	8166.1	8170.9	8173.4	8175.8	8187.9
5°	8180.7	8185.5	8192.8	8207.4	8209.8	8239.0	8251.2	8258.5	8265.8	8268.2	8251.2
7.5°	8207.4	8224.4	8239.0	8236.6	8219.6	8173.4	8158.8	8146.6	8168.5	8224.4	8290.1
10°	8231.7	8153.9	8007.9	8207.4	8146.6	8202.5	8368.0	8404.4	8516.3	8674.5	8720.7
12.5°	8063.9	8278.0	8324.2	8100.4	8513.9	8360.7	8543.1	8703.6	8749.9	8910.4	8813.1
15°	8243.9	8348.5	8419.0	8642.8	8618.5	8749.9	8801.0	8769.3	8776.6	8818.0	8927.4
17.5°	8241.5	8450.7	8496.9	8647.7	8749.9	8752.3	8737.7	8723.1	8762.0	8793.7	8728.0
20°	8382.6	8450.7	8540.7	8601.5	8620.9	8645.3	8691.5	8655.0	8582.0	8511.5	8482.3
22.5°	8312.0	8465.3	8543.1	8552.8	8540.7	8465.3	8397.1	8295.0	8260.9	8224.4	8236.6
25°	8326.6	8397.1	8387.4	8348.5	8297.4	8156.3	8122.3	8078.5	8012.8	7854.7	7711.2
27.5°	8222.0	8185.5	8141.7	8046.9	7954.4	7879.0	7793.9	7652.8	7536.0	7365.7	7302.5
30°	8046.9	7900.9	7793.9	7737.9	7647.9	7521.4	7392.5	7219.8	7071.4	7037.4	7005.7
32.5°	7711.2	7567.6	7480.1	7343.9	7190.6	7039.8	6891.4	6823.3	6791.7	6796.5	6767.3
35°	7368.2	7241.7	7110.3	6906.0	6791.7	6640.8	6587.3	6572.7	6543.5	6511.9	6477.9
37.5°	7003.3	6854.9	6657.9	6536.3	6421.9	6361.1	6334.3	6312.5	6261.4	6205.4	6166.5
40°	6650.6	6383.0	6273.5	6154.3	6120.3	6093.5	6054.6	6001.1	5930.5	5920.8	5903.8
42.5°	6178.7	5986.5	5891.6	5867.3	5825.9	5779.7	5745.7	5687.3	5658.1	5677.6	5692.2
45°	5731.1	5633.8	5602.2	5573.0	5495.1	5429.4	5407.5	5388.1	5412.4	5519.4	5264.0
47.5°	5368.6	5329.7	5290.8	5242.1	5169.2	5120.5	5142.4	5161.9	5183.8	4398.0	4013.7
50°	5054.8	5001.3	4940.5	4887.0	4843.2	4838.3	4952.7	4609.7	3860.4	3841.0	3451.8
52.5°	4711.8	4631.6	4595.1	4563.5	4582.9	4655.9	3853.2	3575.8	3429.9	2979.9	2780.4
55°	4342.1	4271.6	4271.6	4300.7	4196.1	3400.7	3359.3	2904.5	2629.6	2551.7	2520.1
57.5°	3972.3	3965.0	4006.4	3663.4	3086.9	2960.4	2488.5	2388.8	2345.0	2335.2	2284.2
60°	3634.2	3702.3	3099.1	2850.9	2478.8	2235.5	2167.4	2155.2	2109.0	2092.0	2045.8
62.5°	3364.2	2790.1	2598.0	2121.2	1997.1	1965.5	1929.0	1912.0	1870.6	1651.7	484.1
65°	2430.1	2296.3	1863.3	1783.1	1773.3	1727.1	1712.5	1539.8	362.4	243.3	206.8
67.5°	1834.1	1627.4	1571.4	1556.8	1510.6	1418.2	420.8	240.8	206.8	180.0	158.1
70°	1408.4	1372.0	1330.6	1296.5	381.9	238.4	206.8	175.1	150.8	133.8	121.6
72.5°	1153.0	1128.7	656.8	250.6	204.3	172.7	153.3	133.8	116.8	107.0	97.3
75°	902.5	250.6	206.8	172.7	148.4	126.5	111.9	99.7	90.0	82.7	75.4
77.5°	204.3	165.4	141.1	119.2	107.0	94.9	85.1	73.0	65.7	58.4	48.7
80°	126.5	109.5	92.4	85.1	73.0	60.8	53.5	48.7	38.9	36.5	31.6
82.5°	82.7	65.7	58.4	48.7	38.9	36.5	31.6	24.3	21.9	19.5	17.0
85°	36.5	31.6	26.8	21.9	17.0	14.6	12.2	9.7	9.7	9.7	9.7
87.5°	12.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	4.9	4.9
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-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8192.8	8236.6	8278.0	8265.8	8222.0	8153.9	8134.4	8107.7	8127.1	8168.5	8185.5
5°	8251.2	8226.9	8314.4	8443.4	8652.6	8672.0	8818.0	8852.0	8968.8	9041.8	9039.3
7.5°	8333.9	8679.3	8822.8	8978.5	9049.1	9032.0	9053.9	9036.9	9010.1	8998.0	8983.4
10°	8754.7	9017.4	9071.0	9071.0	8961.5	8813.1	8749.9	8640.4	8421.5	8426.3	8389.8
12.5°	9000.4	9092.9	8966.4	8859.3	8419.0	8248.8	8063.9	7976.3	7925.2	7847.4	7876.6
15°	8871.5	8740.1	8664.7	8319.3	8049.3	7742.8	7747.7	7694.1	7638.2	7643.1	7606.6
17.5°	8681.8	8577.2	8042.0	7803.6	7672.2	7553.1	7531.2	7460.6	7424.1	7412.0	7409.5
20°	8421.5	8044.4	7645.5	7587.1	7429.0	7292.8	7270.9	7292.8	7404.7	7205.2	6529.0
22.5°	8117.4	7574.9	7458.2	7292.8	7185.7	7132.2	7266.0	6657.9	5738.4	5850.3	5731.1
25°	7601.7	7365.7	7166.3	7039.8	7027.6	6699.2	5582.7	5465.9	4874.8	4558.6	4203.4
27.5°	7224.7	7122.5	6913.3	6891.4	6733.3	5478.1	4896.7	4254.5	4018.6	3982.1	3904.2
30°	6996.0	6850.0	6723.6	6171.4	5373.5	4410.2	3928.6	3838.6	3797.2	3753.4	3685.3
32.5°	6721.1	6582.5	6643.3	5188.6	4283.7	3797.2	3699.9	3634.2	3558.8	3529.6	3283.9
35°	6441.4	6378.1	5191.1	4361.6	3682.9	3566.1	3493.1	3425.0	2724.5	659.2	223.8
37.5°	6142.2	6127.6	4665.6	3619.6	3449.3	3339.9	3133.1	647.1	153.3	104.6	77.8
40°	5908.7	4668.1	3687.7	3393.4	3254.7	3082.0	433.0	107.0	68.1	41.4	26.8
42.5°	5753.0	4198.6	3301.0	3184.2	2882.6	318.7	109.5	46.2	26.8	21.9	17.0
45°	4434.5	3315.6	3084.5	2962.8	364.9	109.5	63.2	21.9	17.0	14.6	9.7
47.5°	4091.5	3011.5	2875.3	647.1	121.6	58.4	43.8	14.6	9.7	9.7	9.7
50°	3099.1	2782.8	2289.0	158.1	77.8	41.4	31.6	9.7	9.7	9.7	7.3
52.5°	2717.2	2568.8	245.7	104.6	60.8	31.6	19.5	7.3	7.3	7.3	7.3
55°	2483.6	1629.8	146.0	80.3	51.1	29.2	12.2	7.3	7.3	7.3	4.9
57.5°	2272.0	218.9	107.0	68.1	46.2	26.8	7.3	7.3	7.3	7.3	4.9
60°	1926.6	158.1	87.6	60.8	43.8	24.3	7.3	7.3	7.3	7.3	7.3
62.5°	250.6	124.1	75.4	53.5	31.6	19.5	4.9	7.3	7.3	7.3	7.3
65°	182.4	97.3	68.1	36.5	19.5	7.3	4.9	7.3	7.3	7.3	7.3
67.5°	141.1	80.3	51.1	31.6	17.0	4.9	4.9	7.3	7.3	7.3	7.3
70°	111.9	68.1	41.4	26.8	14.6	4.9	4.9	7.3	7.3	7.3	7.3
72.5°	87.6	48.7	29.2	14.6	9.7	4.9	4.9	7.3	7.3	7.3	7.3
75°	65.7	38.9	21.9	12.2	4.9	4.9	4.9	7.3	7.3	7.3	7.3
77.5°	43.8	24.3	17.0	9.7	9.7	9.7	12.2	12.2	7.3	7.3	7.3
80°	29.2	17.0	12.2	12.2	12.2	9.7	12.2	12.2	7.3	12.2	7.3
82.5°	14.6	12.2	12.2	9.7	9.7	7.3	9.7	9.7	9.7	9.7	7.3
85°	9.7	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.7	9.7	7.3
87.5°	4.9	4.9	4.9	4.9	7.3	7.3	7.3	7.3	9.7	9.7	7.3
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-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8163.6	8170.9	8151.5	8256.1	8202.5	8207.4	8229.3	8173.4	8185.5	8146.6	8119.8
5°	9049.1	9063.7	9078.3	9083.1	9092.9	9105.0	9090.4	9083.1	9068.5	9019.9	8968.8
7.5°	8910.4	8893.4	8886.1	8895.8	8912.8	8920.1	8908.0	8925.0	8988.3	9015.0	9032.0
10°	8180.7	8102.8	8156.3	8149.0	8088.2	8292.5	8236.6	8268.2	8290.1	8513.9	8650.1
12.5°	7832.8	7881.4	7789.0	7742.8	7803.6	7845.0	7886.3	7798.7	7920.4	7864.4	8044.4
15°	7540.9	7511.7	7502.0	7504.4	7492.2	7550.6	7565.2	7584.7	7601.7	7677.1	7706.3
17.5°	7409.5	7458.2	7477.6	7492.2	7467.9	7441.2	7414.4	7375.5	7387.6	7368.2	7424.1
20°	6074.1	5911.1	5901.4	5996.2	5891.6	5950.0	6091.1	7034.9	7003.3	7370.6	7246.6
22.5°	5069.4	4916.2	4784.8	4670.5	4833.5	4901.6	5164.3	5461.1	5942.7	5867.3	6390.3
25°	4140.2	4084.2	4050.2	4033.2	4045.3	4040.5	4098.8	4237.5	4456.4	4972.1	5638.6
27.5°	3872.6	3845.9	3833.7	3794.8	3824.0	3814.2	3860.4	3889.6	3955.3	4006.4	4222.9
30°	3661.0	3629.4	3607.5	3566.1	3595.3	3597.7	3612.3	3687.7	3714.5	3758.3	3826.4
32.5°	1337.9	788.1	739.5	703.0	768.7	1002.2	1758.7	3074.7	3507.7	3541.8	3619.6
35°	131.4	109.5	97.3	97.3	99.7	109.5	146.0	384.3	703.0	2717.2	3400.7
37.5°	51.1	43.8	36.5	34.1	36.5	41.4	55.9	73.0	99.7	206.8	921.9
40°	21.9	19.5	17.0	17.0	17.0	17.0	19.5	24.3	36.5	68.1	107.0
42.5°	14.6	12.2	12.2	12.2	12.2	12.2	12.2	12.2	17.0	21.9	43.8
45°	9.7	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.7	12.2	19.5
47.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.7
50°	7.3	7.3	7.3	7.3	4.9	7.3	4.9	7.3	7.3	7.3	7.3
52.5°	7.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	7.3	7.3
55°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	7.3
57.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
60°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
62.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	7.3	7.3	4.9
65°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	7.3	4.9
67.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
70°	7.3	7.3	4.9	7.3	4.9	4.9	7.3	7.3	7.3	4.9	4.9
72.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	14.6	14.6	9.7
75°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	12.2	14.6	12.2
77.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	12.2	12.2	12.2
80°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.7	9.7	9.7
82.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.7	9.7	9.7
85°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
87.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
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-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8073.6	8071.2	8122.3	8161.2	8146.6	8161.2	8178.2	8180.7	8185.5	8166.1	8158.8
5°	8871.5	8796.1	8650.1	8545.5	8423.9	8202.5	8093.1	8105.2	8107.7	8100.4	8110.1
7.5°	9024.7	9017.4	8966.4	8944.5	8861.8	8703.6	8450.7	8406.9	8299.8	8231.7	8175.8
10°	8640.4	8815.5	8861.8	8939.6	8988.3	8959.1	8745.0	8713.4	8645.3	8567.4	8584.5
12.5°	8224.4	8368.0	8375.3	8798.5	8893.4	8903.1	8820.4	8864.2	8873.9	8698.8	8596.6
15°	7713.6	7781.7	7925.2	8319.3	8606.3	8786.4	8839.9	8864.2	8745.0	8737.7	8696.4
17.5°	7489.8	7533.6	7599.3	7820.6	8256.1	8521.2	8747.4	8730.4	8776.6	8742.6	8638.0
20°	7207.6	7244.1	7360.9	7472.8	7686.8	8039.6	8462.8	8494.4	8555.3	8548.0	8577.2
22.5°	7202.8	7073.8	7093.3	7180.9	7404.7	7720.9	8170.9	8275.5	8314.4	8341.2	8372.8
25°	5714.0	6738.2	6925.5	6981.4	7127.4	7312.2	7842.5	7881.4	7954.4	8073.6	8161.2
27.5°	4950.2	5645.9	6395.2	6784.4	6876.8	7030.1	7346.3	7404.7	7652.8	7682.0	7818.2
30°	3906.7	4444.3	5563.2	6499.8	6653.0	6760.0	6983.8	7100.6	7207.6	7324.4	7467.9
32.5°	3675.6	3760.7	4381.0	5378.4	6570.3	6490.0	6655.4	6726.0	6842.8	6944.9	7049.5
35°	3463.9	3522.3	3653.7	4405.3	5351.6	6268.7	6380.6	6426.8	6492.5	6570.3	6645.7
37.5°	3242.6	3330.2	3420.2	3622.1	4950.2	6093.5	6091.1	6144.6	6183.5	6249.2	6312.5
40°	588.7	3057.7	3203.7	3335.0	3838.6	4860.2	5818.6	5843.0	5869.7	5911.1	5976.8
42.5°	94.9	510.8	3001.8	3128.3	3271.8	4351.8	5694.6	5594.9	5577.8	5607.0	5665.4
45°	48.7	124.1	603.3	2921.5	3050.4	3471.2	4655.9	5422.1	5405.1	5349.2	5361.3
47.5°	36.5	77.8	148.4	1009.5	2855.8	2979.9	4295.9	4249.7	4573.2	5193.5	5098.6
50°	31.6	53.5	87.6	206.8	2522.5	2743.9	3308.3	3865.3	4035.6	4057.5	4801.8
52.5°	29.2	36.5	63.2	133.8	530.3	2537.1	2690.4	2885.0	3172.0	3787.5	3772.9
55°	26.8	34.1	53.5	90.0	184.9	2286.6	2444.7	2481.2	2542.0	2836.3	3225.6
57.5°	14.6	31.6	51.1	77.8	138.7	418.4	2218.5	2247.7	2296.3	2308.5	2447.1
60°	7.3	29.2	46.2	68.1	102.2	194.6	1994.7	2028.7	2057.9	2062.8	2106.6
62.5°	4.9	26.8	38.9	63.2	85.1	138.7	471.9	963.3	1831.7	1831.7	1882.8
65°	4.9	19.5	24.3	41.4	77.8	114.3	199.5	231.1	450.0	1106.8	1651.7
67.5°	4.9	7.3	21.9	34.1	58.4	87.6	146.0	170.3	204.3	233.5	433.0
70°	4.9	4.9	19.5	21.9	36.5	65.7	104.6	119.2	138.7	158.1	182.4
72.5°	4.9	4.9	17.0	17.0	24.3	43.8	80.3	87.6	99.7	111.9	128.9
75°	12.2	9.7	14.6	14.6	17.0	34.1	60.8	68.1	73.0	82.7	94.9
77.5°	12.2	12.2	12.2	12.2	12.2	21.9	38.9	43.8	51.1	55.9	65.7
80°	9.7	9.7	9.7	12.2	12.2	14.6	24.3	26.8	29.2	36.5	38.9
82.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	14.6	17.0	21.9
85°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.7	9.7	9.7	9.7
87.5°	7.3	7.3	7.3	4.9	4.9	7.3	7.3	7.3	7.3	7.3	7.3
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-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8156.3	8141.7	8129.6	8136.9	8115.0	8105.2	8112.5	8115.0	8119.8	8132.0	8134.4
5°	8134.4	8129.6	8151.5	8163.6	8158.8	8163.6	8163.6	8153.9	8139.3	8149.0	8127.1
7.5°	8119.8	8088.2	8063.9	8068.8	8044.4	8073.6	8100.4	8139.3	8151.5	8151.5	8127.1
10°	8370.4	8336.3	8200.1	8107.7	8046.9	7993.3	8119.8	7990.9	8051.7	7820.6	8085.8
12.5°	8577.2	8623.4	8562.6	8309.6	8265.8	8105.2	8197.7	8039.6	7993.3	7728.2	7813.3
15°	8659.9	8572.3	8552.8	8482.3	8387.4	8341.2	8093.1	8066.3	7990.9	8020.1	7908.2
17.5°	8586.9	8630.7	8572.3	8526.1	8428.8	8319.3	8170.9	8039.6	7935.0	7701.4	7898.5
20°	8516.3	8574.7	8399.6	8428.8	8438.5	8312.0	8234.2	8124.7	7993.3	7774.4	7604.1
22.5°	8399.6	8358.2	8372.8	8329.0	8292.5	8309.6	8202.5	8127.1	7905.8	7806.0	7574.9
25°	8209.8	8195.2	8234.2	8229.3	8141.7	8112.5	8059.0	7978.7	7891.2	7730.6	7540.9
27.5°	7900.9	7976.3	8044.4	8076.1	8029.8	7952.0	7922.8	7876.6	7815.8	7652.8	7511.7
30°	7574.9	7660.1	7737.9	7806.0	7847.4	7813.3	7786.6	7759.8	7667.4	7560.4	7402.2
32.5°	7202.8	7314.7	7421.7	7504.4	7594.4	7621.2	7601.7	7579.8	7502.0	7404.7	7278.2
35°	6772.2	6925.5	7081.1	7229.5	7268.4	7331.7	7394.9	7358.5	7317.1	7219.8	7103.0
37.5°	6407.3	6516.8	6628.7	6816.0	6952.2	7032.5	7144.4	7159.0	7088.4	7042.2	6889.0
40°	6030.3	6130.0	6293.0	6402.5	6589.8	6682.2	6801.4	6854.9	6837.9	6811.1	6677.3
42.5°	5733.5	5782.2	5889.2	5986.5	6171.4	6361.1	6465.7	6524.1	6584.9	6563.0	6494.9
45°	5417.3	5461.1	5497.6	5582.7	5762.7	5930.5	6059.5	6147.0	6256.5	6307.6	6224.9
47.5°	5103.5	5115.6	5159.4	5230.0	5337.0	5465.9	5682.4	5813.8	5916.0	6015.7	5962.2
50°	4862.7	4818.9	4826.2	4870.0	4957.5	5084.0	5239.7	5424.6	5541.3	5663.0	5675.1
52.5°	4249.7	4604.8	4519.7	4544.0	4590.2	4651.0	4814.0	4996.4	5140.0	5244.6	5349.2
55°	3566.1	3636.7	4320.2	4222.9	4252.1	4305.6	4381.0	4563.5	4702.1	4848.1	4994.0
57.5°	2765.8	3291.2	3318.0	3950.5	3935.9	3940.7	4004.0	4108.6	4247.2	4429.7	4553.7
60°	2150.4	2371.7	2802.3	3021.2	3575.8	3595.3	3631.8	3692.6	3811.8	3984.5	4181.5
62.5°	1897.4	1926.6	2079.8	2408.2	2768.2	3203.7	3281.5	3291.2	3344.8	3517.5	3746.1
65°	1666.3	1685.8	1732.0	1766.0	2067.7	2488.5	2863.1	2923.9	2958.0	3060.1	3254.7
67.5°	1148.2	1452.2	1493.6	1517.9	1547.1	1741.7	2206.3	2515.3	2554.2	2644.2	2814.5
70°	221.4	459.8	1257.6	1284.4	1299.0	1342.8	1418.2	1909.5	2167.4	2252.5	2330.4
72.5°	150.8	177.6	214.1	506.0	1070.3	1094.6	1111.7	1174.9	1610.3	1858.5	1899.8
75°	109.5	121.6	143.5	177.6	218.9	712.7	883.0	914.6	946.3	1306.3	1515.5
77.5°	77.8	87.6	97.3	114.3	133.8	172.7	248.1	683.5	715.2	732.2	1033.8
80°	43.8	53.5	65.7	75.4	85.1	97.3	126.5	158.1	352.7	515.7	542.5
82.5°	24.3	29.2	34.1	41.4	46.2	58.4	70.5	85.1	111.9	165.4	350.3
85°	12.2	12.2	12.2	17.0	19.5	26.8	31.6	36.5	51.1	70.5	97.3
87.5°	7.3	7.3	9.7	9.7	9.7	12.2	12.2	12.2	14.6	21.9	31.6
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-LD5-128SL-RM-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	356°	357°	358°	359°	360°
0°	8105.2	8105.2	8105.2	8105.2	8105.2
2.5°	8136.9	8129.6	8129.6	8158.8	8151.5
5°	8122.3	8115.0	8112.5	8144.2	8129.6
7.5°	8110.1	8083.3	8076.1	8105.2	8093.1
10°	8061.5	8042.0	8054.2	8044.4	8039.6
12.5°	7978.7	7966.6	7915.5	7920.4	7961.7
15°	7830.4	7879.0	7791.4	7869.3	7886.3
17.5°	7557.9	7667.4	7752.5	7798.7	7806.0
20°	7679.5	7716.0	7672.2	7674.7	7703.9
22.5°	7521.4	7538.5	7550.6	7536.0	7599.3
25°	7268.4	7202.8	7343.9	7373.0	7475.2
27.5°	7190.6	7137.1	7202.8	7197.9	7283.0
30°	7127.4	6954.6	6983.8	7030.1	7134.7
32.5°	7037.4	6764.9	6735.7	6837.9	6954.6
35°	6879.2	6621.4	6553.3	6619.0	6794.1
37.5°	6745.4	6421.9	6285.7	6373.3	6601.9
40°	6546.0	6266.2	6054.6	6132.4	6402.5
42.5°	6307.6	6132.4	5806.5	5860.0	6168.9
45°	6066.8	5911.1	5565.7	5592.4	5959.7
47.5°	5821.1	5677.6	5315.1	5320.0	5692.2
50°	5580.3	5390.5	5091.3	5006.2	5407.5
52.5°	5266.5	5091.3	4865.1	4726.4	5137.5
55°	4969.7	4772.7	4607.2	4393.2	4831.0
57.5°	4680.2	4461.3	4349.4	4074.5	4483.2
60°	4283.7	4179.1	4013.7	3751.0	4169.4
62.5°	3877.5	3843.4	3675.6	3403.1	3782.6
65°	3403.1	3483.4	3310.7	3077.2	3381.2
67.5°	2955.5	3099.1	2909.3	2765.8	2994.5
70°	2478.8	2644.2	2537.1	2486.1	2583.4
72.5°	2009.3	2169.8	2179.6	2143.1	2174.7
75°	1552.0	1729.5	1826.8	1770.9	1778.2
77.5°	1177.4	1262.5	1369.5	1413.3	1403.6
80°	727.3	875.7	963.3	1053.3	1021.7
82.5°	367.3	491.4	598.4	695.7	649.5
85°	153.3	197.0	274.9	362.4	347.9
87.5°	46.2	77.8	82.7	116.8	109.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)