

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642609

Luminaire Tested: GWS-SA6D-730-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25521.5 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

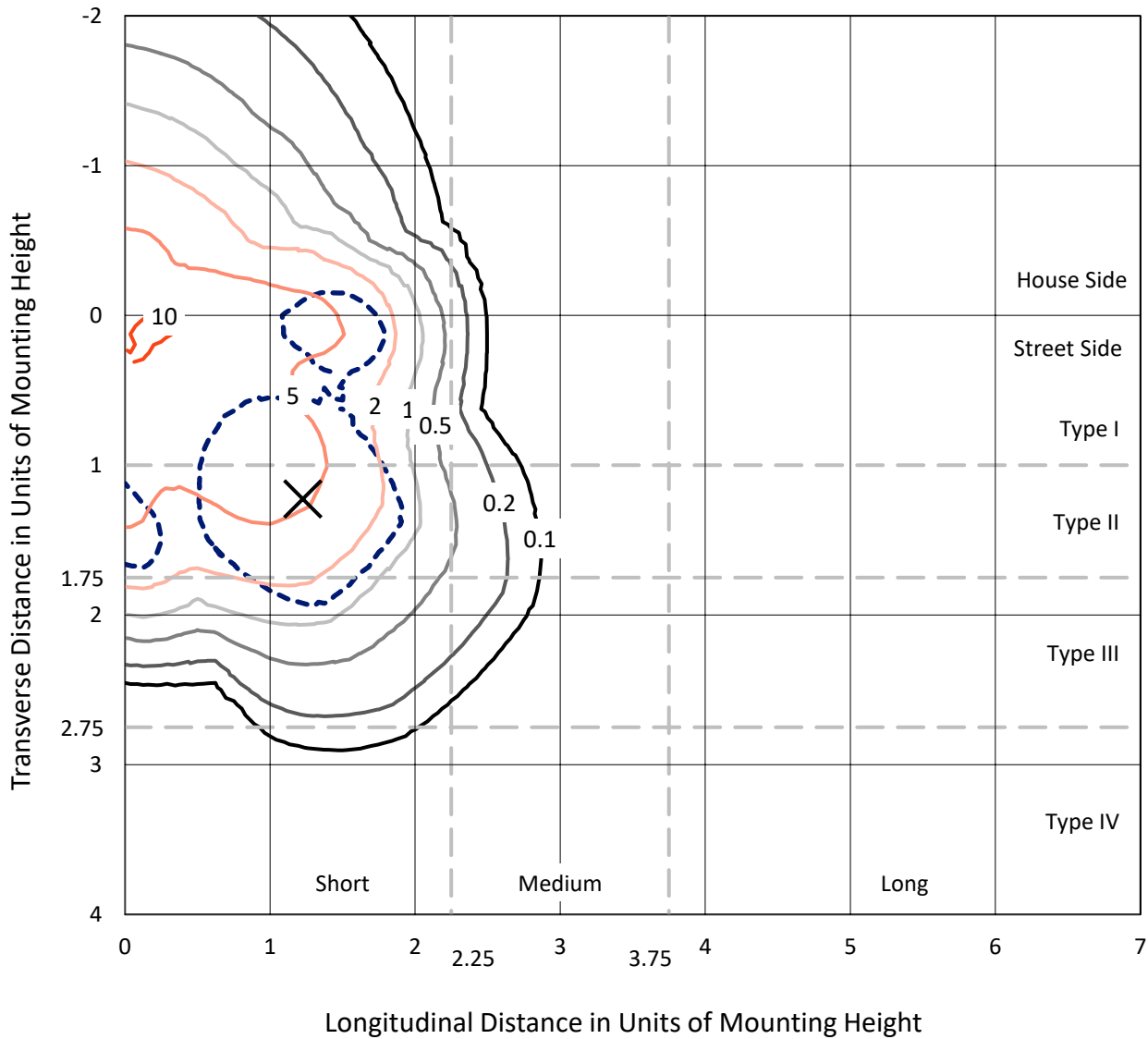
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

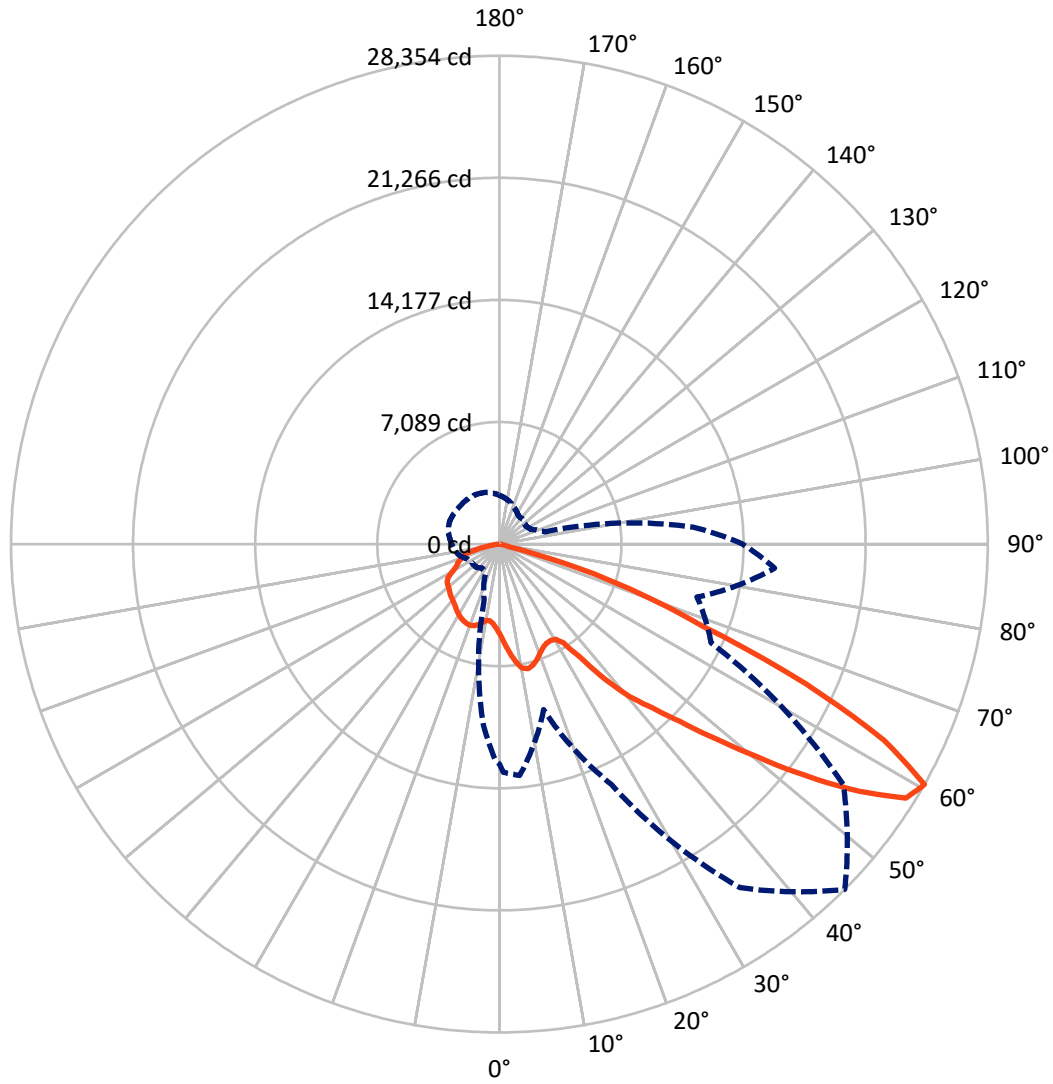
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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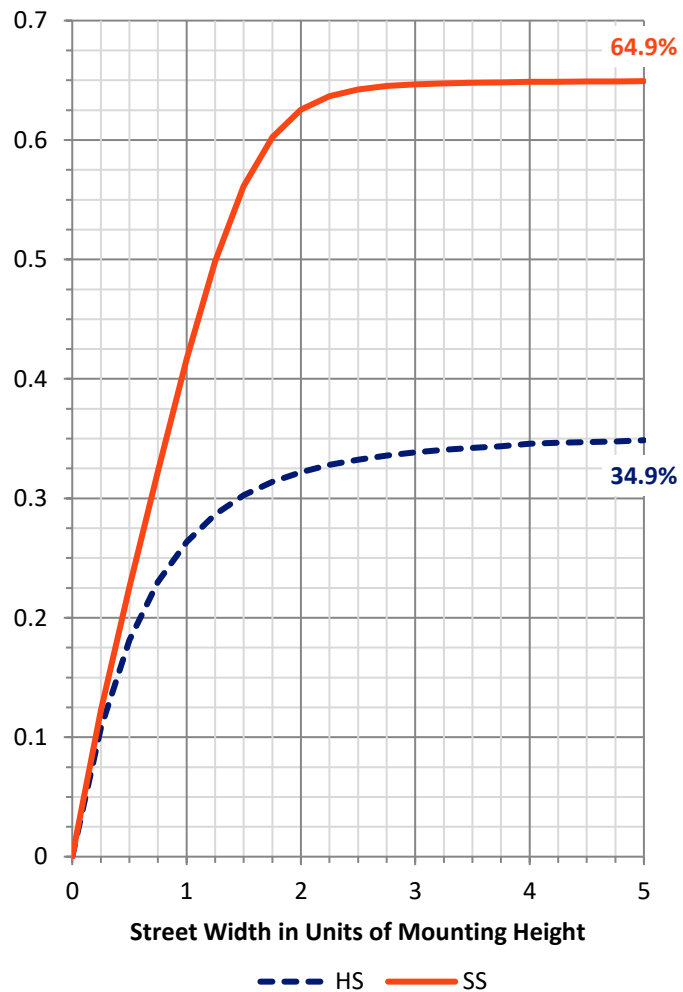
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8946.2	0.0	8946.2
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	16575.3	0.0	16575.3
	% Fixture	64.9	0.0	64.9
Total	Lumens	25521.5	0.0	25521.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.5	2.0
10°-20°	1616.4	6.3
20°-30°	2625.7	10.3
30°-40°	3703.0	14.5
40°-50°	5117.5	20.1
50°-60°	6587.7	25.8
60°-70°	4174.0	16.4
70°-80°	1071.1	4.2
80°-90°	114.5	0.4
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°-90°	25521.5	100.0
0°-180°	25521.5	100.0

Coefficient of Utilization



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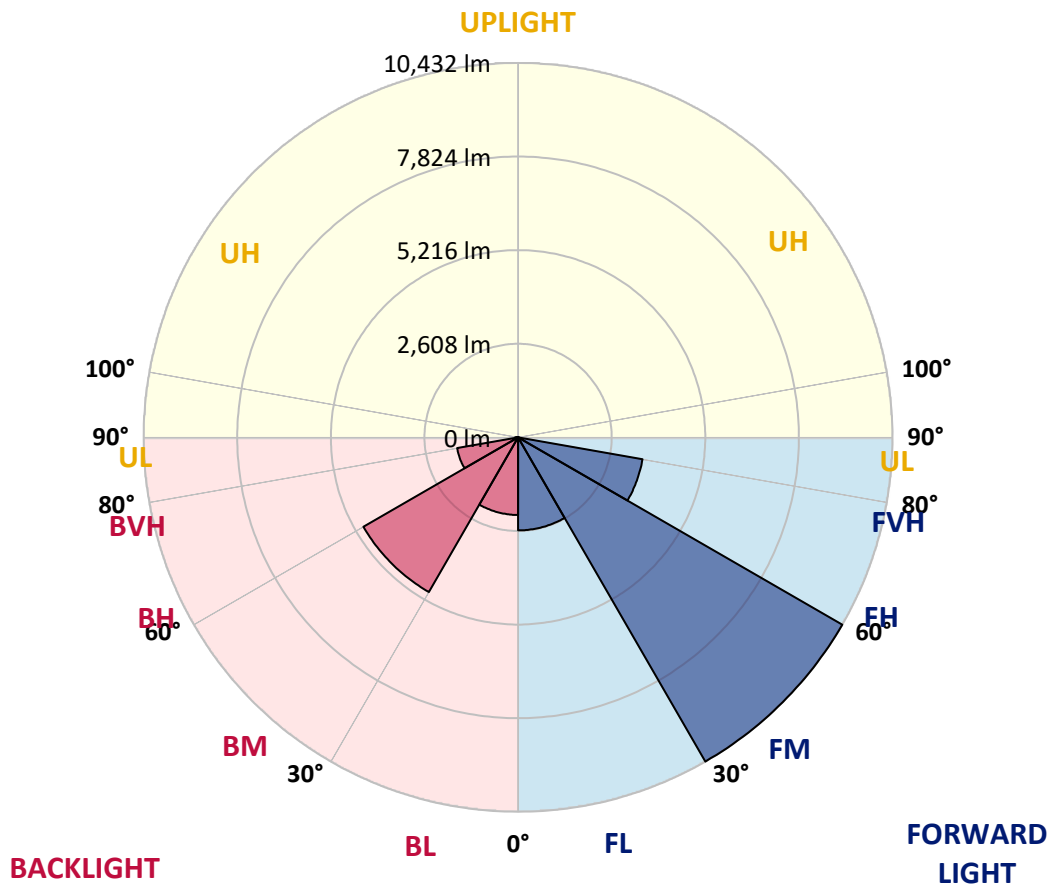
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2591.4	10.2			
FM (30°-60°)	10431.7	40.9			
FH (60°-80°)	3521.1	13.8			G2/5000
FVH (80°-90°)	31.1	0.1			G1/100
BL (0°-30°)	2162.3	8.5	B3/2500		
BM (30°-60°)	4976.5	19.5	B3/5000		
BH (60°-80°)	1724.0	6.8	B3/2500		G3/2500
BVH (80°-90°)	83.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9
2.5°	5483.7	5521.1	5544.5	5589.0	5668.5	5712.9	5762.0	5708.2	5722.3	5715.2	5628.7
5°	5808.8	5853.2	5914.0	6045.0	6192.3	6274.1	6351.3	6339.6	6267.1	6145.5	6059.0
7.5°	6112.8	6164.2	6269.5	6482.3	6699.7	6826.0	6919.6	6858.8	6798.0	6606.2	6388.7
10°	6351.3	6381.7	6524.3	6809.6	7062.2	7204.8	7319.4	7305.4	7221.2	7006.1	6713.8
12.5°	6575.8	6596.8	6751.2	7036.5	7263.3	7326.4	7420.0	7450.4	7422.3	7261.0	6973.3
15°	6816.7	6856.4	6999.1	7216.5	7319.4	7254.0	7286.7	7370.9	7450.4	7450.4	7186.1
17.5°	7041.2	7076.2	7221.2	7314.8	7216.5	7043.5	7052.8	7160.4	7349.8	7548.6	7380.2
20°	7239.9	7272.7	7415.3	7326.4	7015.4	6762.9	6755.9	6886.8	7193.2	7611.7	7588.4
22.5°	7457.4	7504.2	7623.4	7335.8	6828.4	6508.0	6505.6	6641.3	7055.2	7674.9	7826.9
25°	7766.1	7838.6	7899.4	7417.6	6727.8	6341.9	6372.3	6501.0	7010.8	7777.8	8180.0
27.5°	8224.4	8282.9	8278.2	7588.4	6723.1	6274.1	6337.3	6486.9	7090.3	7960.2	8551.8
30°	8720.2	8750.6	8701.5	7826.9	6830.7	6316.2	6409.8	6587.5	7291.4	8261.8	9099.0
32.5°	9269.7	9307.1	9213.6	8184.7	7080.9	6627.2	6833.0	6919.6	7574.3	8696.8	9679.0
35°	9901.1	9973.6	9779.5	8657.0	7817.5	7761.4	8060.7	7948.5	8175.3	9211.3	10298.7
37.5°	10565.2	10567.6	10289.3	9356.2	9262.7	9358.6	9957.2	9606.5	9449.8	9784.2	10930.0
40°	11128.8	11114.8	10686.8	10298.7	10520.8	10902.0	11624.6	11086.7	10675.1	10553.5	11453.9
42.5°	11692.4	11640.9	11208.3	10897.3	11388.4	12171.8	12987.9	12328.4	11460.9	11252.7	11970.7
45°	12412.6	12396.3	11874.8	11135.8	12171.8	13593.6	14676.3	13607.6	11926.2	11659.6	12831.2
47.5°	13574.9	13495.3	12524.9	11117.1	12906.1	15487.7	16855.7	15218.8	12251.3	11669.0	14220.3
50°	14711.4	14613.1	13301.3	11114.8	13663.7	17452.0	19428.1	17176.1	12583.3	11725.1	15632.7
52.5°	15859.5	15859.5	14575.7	11379.0	14458.8	19645.5	22400.3	19615.1	13149.3	12459.4	17370.2
55°	16542.4	16724.8	16009.2	11825.7	15389.5	22227.2	25339.7	22248.3	14023.8	13785.3	18974.4
57.5°	15674.8	16016.2	15913.3	11514.7	15939.1	24123.7	27832.5	24245.3	14456.5	13942.0	18733.5
60°	12772.8	13247.5	13483.7	9943.2	15396.5	24343.5	28354.0	24376.3	13563.2	11872.4	16046.6
62.5°	8491.0	8881.5	9241.7	7104.3	13329.3	21899.8	25077.8	21906.8	11327.6	8860.5	11117.1
65°	4164.8	4454.8	4843.0	4199.9	10413.2	18298.6	19552.0	17702.3	8194.0	4959.9	5670.8
67.5°	1089.7	1171.6	1225.4	1629.9	7459.7	13146.9	12751.7	12948.1	5263.9	1620.6	1482.6
70°	565.9	570.6	568.2	673.5	5041.8	8355.4	8788.0	8130.9	3673.7	678.2	584.6
72.5°	404.6	406.9	399.9	453.7	2434.4	4786.9	4959.9	4906.1	1924.6	402.2	399.9
75°	264.2	266.6	261.9	266.6	367.1	544.9	502.8	528.5	320.4	254.9	254.9
77.5°	156.7	159.0	156.7	161.4	156.7	156.7	145.0	145.0	138.0	138.0	140.3
80°	105.2	105.2	102.9	107.6	98.2	98.2	93.5	91.2	84.2	81.8	81.8
82.5°	63.1	65.5	63.1	63.1	58.5	58.5	53.8	51.4	44.4	44.4	42.1
85°	32.7	32.7	30.4	30.4	25.7	23.4	18.7	18.7	14.0	11.7	11.7
87.5°	4.7	4.7	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9
2.5°	5605.3	5558.6	5488.4	5420.6	5357.4	5292.0	5217.1	5140.0	5074.5	5006.7	4971.6
5°	5944.4	5848.5	5666.1	5504.8	5359.8	5240.5	5111.9	5002.0	4899.1	4814.9	4772.8
7.5°	6250.7	6101.1	5825.1	5570.3	5373.8	5210.1	5032.4	4868.7	4730.7	4627.8	4588.1
10°	6533.7	6356.0	5993.5	5670.8	5441.6	5259.2	5041.8	4819.6	4637.2	4501.6	4468.8
12.5°	6762.9	6559.4	6126.8	5752.7	5481.4	5285.0	5093.2	4901.4	4721.4	4546.0	4517.9
15°	6966.3	6725.5	6227.4	5804.1	5467.4	5217.1	5055.8	5032.4	5032.4	4833.6	4777.5
17.5°	7141.7	6877.5	6309.2	5827.5	5378.5	5016.0	4917.8	5121.3	5350.4	5207.8	5081.5
20°	7342.8	7022.4	6377.0	5827.5	5214.8	4761.1	4751.8	5097.9	5437.0	5439.3	5306.0
22.5°	7546.3	7190.8	6456.5	5806.4	4990.3	4466.5	4639.5	5004.3	5306.0	5434.6	5343.4
25°	7876.0	7424.7	6582.8	5790.1	4728.4	4265.4	4539.0	4880.4	5135.3	5270.9	5212.5
27.5°	8294.6	7733.3	6774.6	5815.8	4468.8	4146.1	4431.4	4719.0	4950.6	5069.8	5027.7
30°	8762.3	8088.8	6980.4	5860.2	4281.8	4085.3	4302.8	4534.3	4740.1	4859.4	4840.6
32.5°	9358.6	8474.6	7158.1	5799.4	4176.5	4054.9	4167.2	4333.2	4532.0	4606.8	4623.2
35°	10071.8	8900.2	7293.7	5560.9	4080.6	4022.2	4019.8	4122.7	4263.0	4382.3	4394.0
37.5°	10728.9	9398.3	7443.4	5151.7	3907.6	3940.3	3846.8	3907.6	4045.6	4164.8	4211.6
40°	11379.0	9903.4	7651.5	4630.2	3680.8	3757.9	3648.0	3690.1	3800.0	3956.7	4031.5
42.5°	12010.4	10359.5	7871.3	4097.0	3453.9	3503.0	3421.2	3463.3	3577.9	3774.3	3858.5
45°	12697.9	10976.8	8042.0	3594.2	3257.5	3236.5	3171.0	3231.8	3404.8	3620.0	3720.5
47.5°	13998.1	11949.6	8154.3	3259.8	3152.3	3000.3	2925.4	3056.4	3252.8	3470.3	3591.9
50°	15585.9	13357.4	8121.5	3047.0	3061.1	2757.1	2731.3	2904.4	3114.9	3341.7	3475.0
52.5°	16844.0	14739.4	7749.7	2843.6	2883.3	2602.7	2527.9	2780.4	2981.6	3213.1	3351.0
55°	17805.2	15204.8	6608.5	2602.7	2593.4	2490.5	2333.8	2651.8	2848.3	3063.4	3213.1
57.5°	17021.8	14168.8	4899.1	2270.7	2214.5	2268.3	2116.3	2434.4	2684.6	2897.4	3030.7
60°	14126.7	11297.2	2729.0	2011.1	1852.1	1983.0	1959.6	2205.2	2506.8	2731.3	2845.9
62.5°	9590.1	7522.9	1618.2	1590.2	1501.3	1688.4	1812.3	1973.7	2270.7	2453.1	2560.6
65°	4779.8	3655.0	1075.7	1190.3	1202.0	1389.1	1622.9	1800.6	2048.5	2235.6	2343.2
67.5°	1386.7	1136.5	818.5	909.7	1035.9	1185.6	1372.7	1583.1	1824.0	2046.2	2172.4
70°	598.6	605.7	650.1	757.7	881.6	1035.9	1223.0	1428.8	1632.3	1803.0	1898.8
72.5°	423.3	439.6	488.7	598.6	715.6	862.9	1050.0	1248.7	1396.1	1569.1	1669.7
75°	271.3	283.0	322.7	406.9	493.4	636.1	813.8	996.2	1148.2	1272.1	1368.0
77.5°	149.7	152.0	184.7	233.8	292.3	383.5	514.5	657.1	769.4	839.5	926.0
80°	86.5	86.5	102.9	133.3	168.4	224.5	297.0	367.1	435.0	479.4	521.5
82.5°	46.8	46.8	53.8	72.5	91.2	123.9	166.0	201.1	243.2	266.6	294.6
85°	14.0	14.0	18.7	25.7	32.7	46.8	65.5	84.2	102.9	119.3	135.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9
2.5°	4964.6	4931.8	4913.1	4889.8	4896.8	4875.7	4864.0	4871.0	4829.0	4871.0	4913.1
5°	4756.5	4709.7	4672.3	4641.9	4627.8	4599.8	4583.4	4583.4	4557.7	4599.8	4651.2
7.5°	4574.1	4536.6	4517.9	4499.2	4478.2	4452.5	4424.4	4415.0	4398.7	4443.1	4487.5
10°	4452.5	4457.1	4468.8	4494.6	4489.9	4473.5	4431.4	4408.0	4408.0	4459.5	4527.3
12.5°	4508.6	4557.7	4585.8	4632.5	4641.9	4627.8	4585.8	4567.0	4613.8	4691.0	4803.2
15°	4726.1	4758.8	4782.2	4819.6	4817.3	4805.6	4772.8	4786.9	4941.2	5090.9	5191.4
17.5°	4962.2	4924.8	4920.2	4943.5	4950.6	4936.5	4917.8	4981.0	5235.8	5376.2	5427.6
20°	5133.0	5004.3	4976.3	4985.6	5004.3	4997.3	4997.3	5100.2	5364.5	5429.9	5364.5
22.5°	5184.4	5002.0	4959.9	4962.2	4988.0	4990.3	5002.0	5109.6	5263.9	5266.2	5165.7
25°	5102.6	4927.2	4896.8	4901.4	4931.8	4929.5	4934.2	4995.0	5062.8	5034.7	4959.9
27.5°	4948.2	4796.2	4786.9	4812.6	4852.3	4831.3	4817.3	4833.6	4866.4	4831.3	4765.8
30°	4772.8	4644.2	4648.9	4698.0	4740.1	4705.0	4669.9	4679.3	4681.6	4644.2	4569.4
32.5°	4588.1	4492.2	4508.6	4560.0	4609.1	4571.7	4534.3	4529.6	4485.2	4440.8	4368.3
35°	4403.4	4365.9	4387.0	4429.1	4471.2	4440.8	4417.4	4403.4	4307.5	4242.0	4181.2
37.5°	4235.0	4263.0	4300.5	4326.2	4340.2	4337.9	4323.8	4291.1	4164.8	4087.7	4008.1
40°	4085.3	4171.8	4211.6	4223.3	4244.3	4239.7	4237.3	4190.5	4024.5	3942.7	3851.5
42.5°	3949.7	4071.3	4139.1	4150.8	4162.5	4164.8	4157.8	4090.0	3900.6	3804.7	3718.2
45°	3818.7	3977.7	4064.3	4052.6	4068.9	4068.9	4076.0	3987.1	3779.0	3680.8	3589.6
47.5°	3704.1	3891.2	3970.7	3956.7	3966.1	3973.1	3980.1	3877.2	3645.7	3552.1	3458.6
50°	3598.9	3797.7	3865.5	3870.2	3870.2	3886.5	3884.2	3783.7	3533.4	3432.9	3339.3
52.5°	3486.7	3701.8	3774.3	3804.7	3814.1	3821.1	3788.3	3671.4	3418.9	3297.3	3210.7
55°	3355.7	3603.6	3669.1	3708.8	3727.5	3722.9	3678.4	3559.2	3301.9	3180.3	3082.1
57.5°	3156.9	3393.1	3486.7	3505.4	3535.8	3517.1	3465.6	3365.1	3114.9	2993.2	2892.7
60°	2939.5	3110.2	3185.0	3201.4	3178.0	3185.0	3178.0	3082.1	2864.6	2768.8	2665.9
62.5°	2654.2	2806.2	2885.7	2906.7	2867.0	2892.7	2883.3	2764.1	2546.6	2446.0	2354.8
65°	2439.0	2605.1	2698.6	2710.3	2698.6	2710.3	2677.6	2532.6	2326.8	2223.9	2130.4
67.5°	2270.7	2441.4	2539.6	2572.3	2560.6	2558.3	2506.8	2338.5	2125.7	2013.4	1894.2
70°	1980.7	2130.4	2256.6	2336.1	2336.1	2291.7	2193.5	2036.8	1866.1	1770.2	1676.7
72.5°	1753.9	1943.3	2067.2	2149.1	2165.4	2139.7	2001.7	1835.7	1639.3	1543.4	1445.2
75°	1445.2	1629.9	1763.2	1870.8	1891.8	1863.8	1704.7	1541.1	1358.7	1265.1	1166.9
77.5°	965.8	1075.7	1183.3	1281.5	1260.4	1279.1	1171.6	1047.6	935.4	865.2	820.8
80°	544.9	617.4	650.1	703.9	703.9	703.9	633.7	575.3	512.1	472.4	427.9
82.5°	308.7	355.4	369.5	413.9	425.6	427.9	381.2	343.8	304.0	283.0	252.6
85°	142.6	168.4	170.7	196.4	205.8	224.5	203.4	177.7	154.3	145.0	126.3
87.5°	4.7	14.0	18.7	35.1	46.8	53.8	58.5	58.5	49.1	44.4	37.4
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9
2.5°	4964.6	5020.7	5086.2	5133.0	5217.1	5287.3	5359.8	5439.3	5497.8	5483.7
5°	4714.4	4807.9	4927.2	5037.1	5193.8	5352.8	5528.2	5708.2	5813.5	5808.8
7.5°	4574.1	4707.4	4852.3	4999.7	5184.4	5413.6	5682.5	5963.1	6105.8	6112.8
10°	4648.9	4791.5	4889.8	5013.7	5207.8	5495.4	5818.1	6154.9	6318.6	6351.3
12.5°	4885.1	4873.4	4866.4	4955.2	5189.1	5553.9	5949.1	6351.3	6536.0	6575.8
15°	5109.6	4868.7	4723.7	4784.5	5104.9	5591.3	6077.7	6566.4	6774.6	6816.7
17.5°	5151.7	4786.9	4517.9	4560.0	4971.6	5603.0	6201.6	6776.9	7001.4	7041.2
20°	5034.7	4681.6	4368.3	4309.8	4803.2	5572.6	6278.8	6952.3	7197.8	7239.9
22.5°	4887.4	4588.1	4256.0	4104.0	4597.4	5542.2	6365.3	7137.0	7420.0	7457.4
25°	4733.1	4468.8	4150.8	3919.3	4363.6	5523.5	6510.3	7380.2	7721.6	7766.1
27.5°	4569.4	4323.8	4059.6	3830.4	4148.5	5546.9	6716.1	7773.1	8161.3	8224.4
30°	4394.0	4178.9	4001.1	3800.0	4001.1	5567.9	6942.9	8175.3	8631.3	8720.2
32.5°	4211.6	4045.6	3940.3	3814.1	3909.9	5518.8	7141.7	8626.6	9192.6	9269.7
35°	4029.2	3909.9	3863.2	3839.8	3788.3	5338.7	7303.1	9082.6	9833.3	9901.1
37.5°	3858.5	3769.6	3755.6	3781.3	3601.3	5044.1	7490.1	9662.6	10462.3	10565.2
40°	3699.5	3617.6	3615.3	3610.6	3395.5	4641.9	7742.7	10251.9	11082.0	11128.8
42.5°	3552.1	3449.3	3468.0	3411.8	3227.1	4206.9	7981.2	10754.7	11659.6	11692.4
45°	3421.2	3285.6	3306.6	3236.5	3147.6	3750.9	8191.7	11348.6	12391.6	12412.6
47.5°	3294.9	3149.9	3091.5	3086.8	3133.6	3330.0	8397.5	12492.1	13537.4	13574.9
50°	3178.0	3021.3	2855.3	2958.2	3047.0	3014.3	8654.7	13717.5	14720.7	14711.4
52.5°	3065.7	2860.0	2623.8	2822.5	2822.5	2780.4	8582.2	14461.1	15698.2	15859.5
55°	2937.1	2600.4	2382.9	2595.7	2492.8	2570.0	7298.4	14704.3	16313.2	16542.4
57.5°	2682.2	2280.0	2090.6	2205.2	2050.8	2382.9	5242.9	13497.7	15267.9	15674.8
60°	2436.7	2043.8	1919.9	1898.8	1697.7	1943.3	3397.8	10567.6	12567.0	12772.8
62.5°	2149.1	1840.4	1735.1	1573.8	1365.7	1414.8	2057.9	6954.6	8444.2	8491.0
65°	1931.6	1667.3	1466.2	1274.5	1117.8	1026.6	1216.0	3353.4	4220.9	4164.8
67.5°	1658.0	1428.8	1237.1	1099.1	970.5	855.9	809.1	996.2	1127.1	1089.7
70°	1475.6	1255.8	1071.0	940.1	820.8	706.2	624.4	587.0	575.3	565.9
72.5°	1272.1	1080.4	888.6	762.3	650.1	544.9	470.0	425.6	413.9	404.6
75°	1014.9	834.8	659.5	540.2	442.0	367.1	318.0	280.6	273.6	264.2
77.5°	671.1	535.5	392.9	320.4	261.9	222.2	189.4	166.0	161.4	156.7
80°	369.5	308.7	240.9	194.1	156.7	135.6	123.9	109.9	107.6	105.2
82.5°	219.8	184.7	138.0	109.9	91.2	81.8	74.8	67.8	65.5	63.1
85°	109.9	86.5	60.8	51.4	46.8	42.1	42.1	35.1	32.7	32.7
87.5°	28.1	23.4	14.0	11.7	11.7	11.7	9.4	7.0	7.0	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)