

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: P642610

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20243.7 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

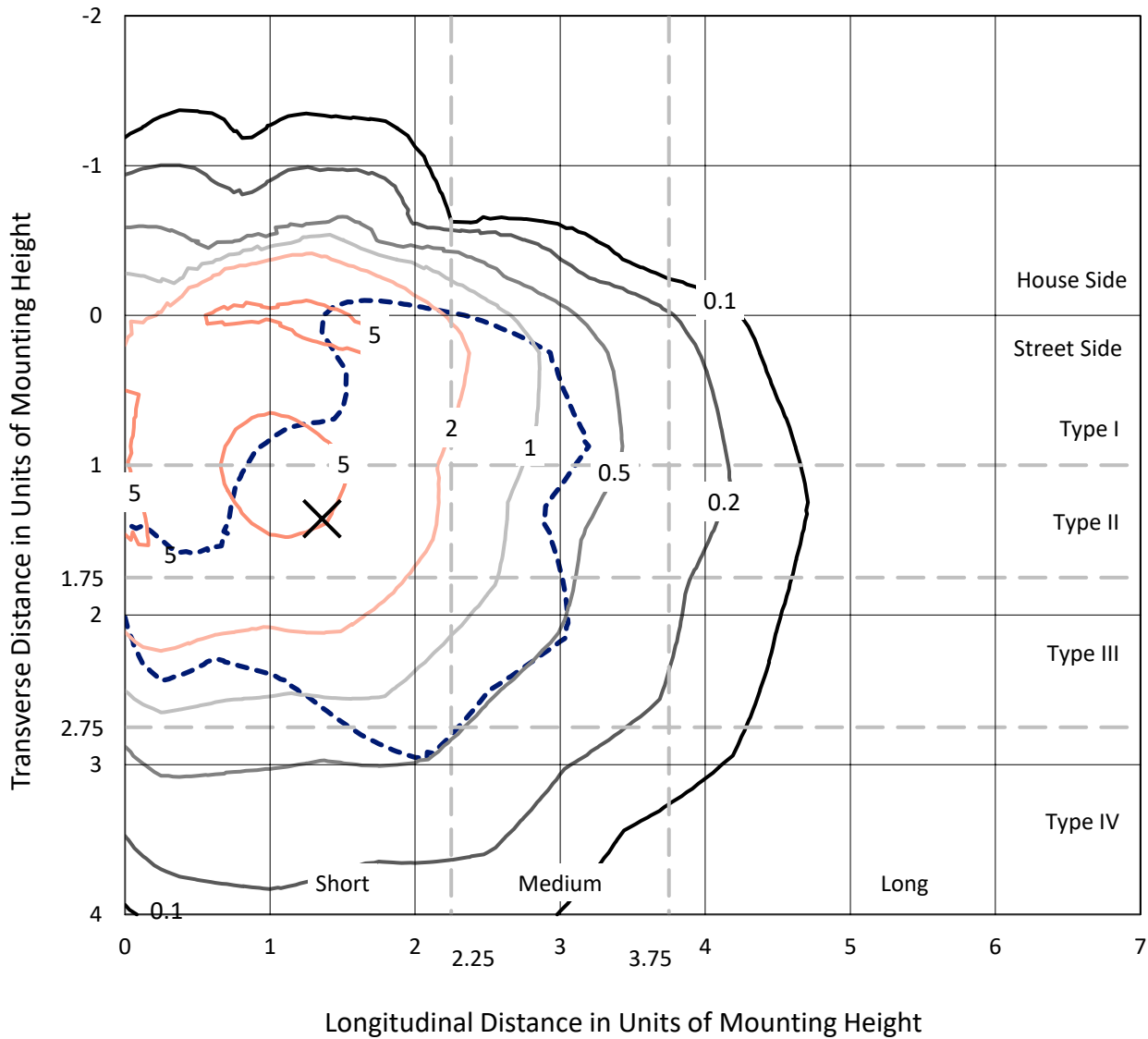
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

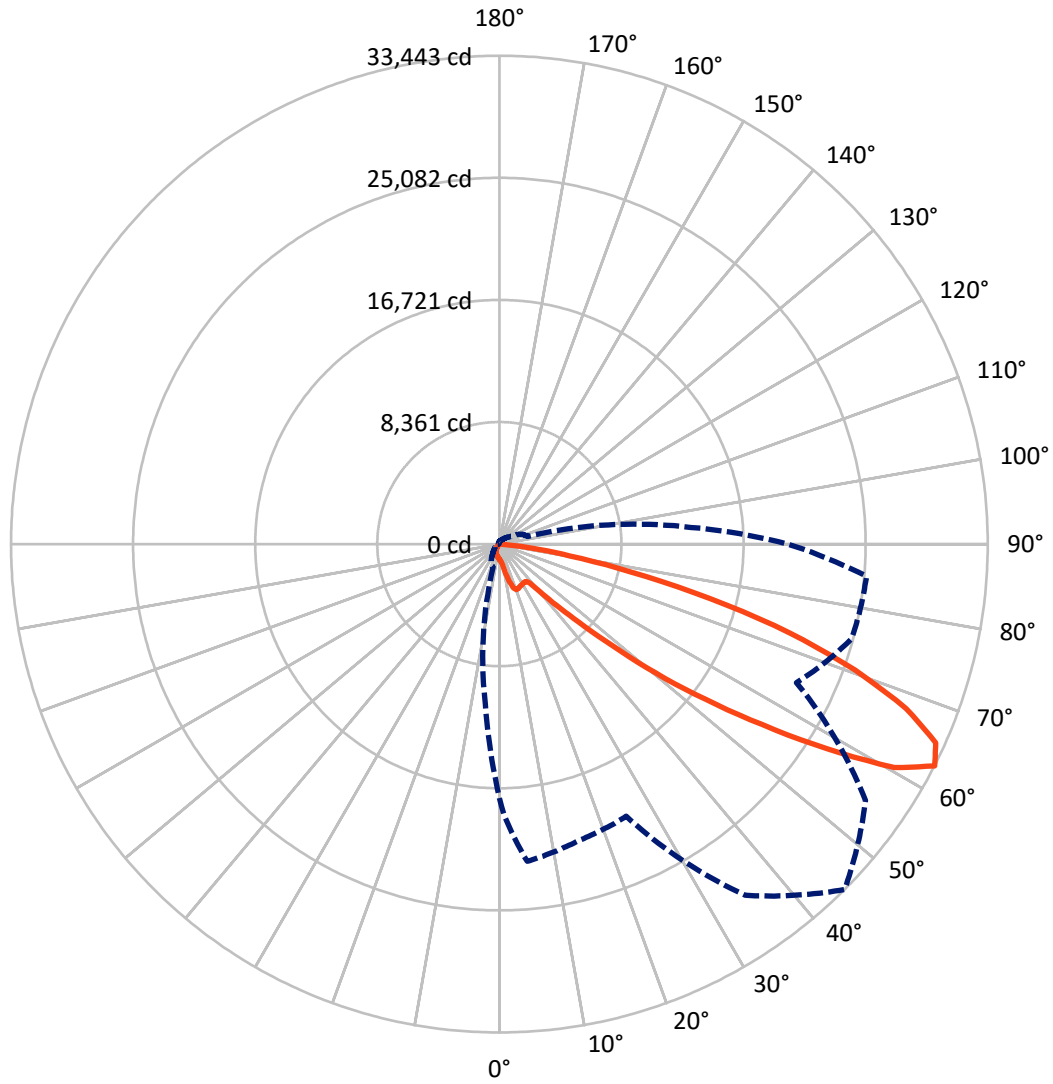
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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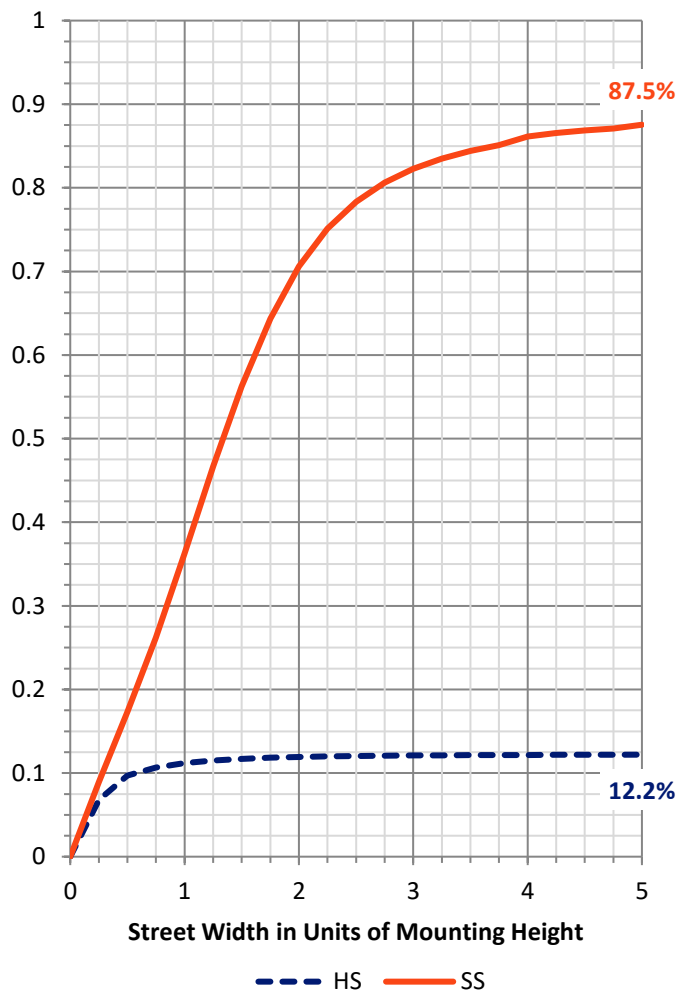
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2498.0	0.0	2498.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	17745.7	0.0	17745.7
	% Fixture	87.7	0.0	87.7
Total	Lumens	20243.7	0.0	20243.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	0.5
10°-20°	352.9	1.7
20°-30°	767.2	3.8
30°-40°	1259.3	6.2
40°-50°	2315.0	11.4
50°-60°	4971.6	24.6
60°-70°	6677.6	33.0
70°-80°	3477.1	17.2
80°-90°	329.7	1.6
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°	20243.7	100.0
0°-180°	20243.7	100.0

Coefficient of Utilization



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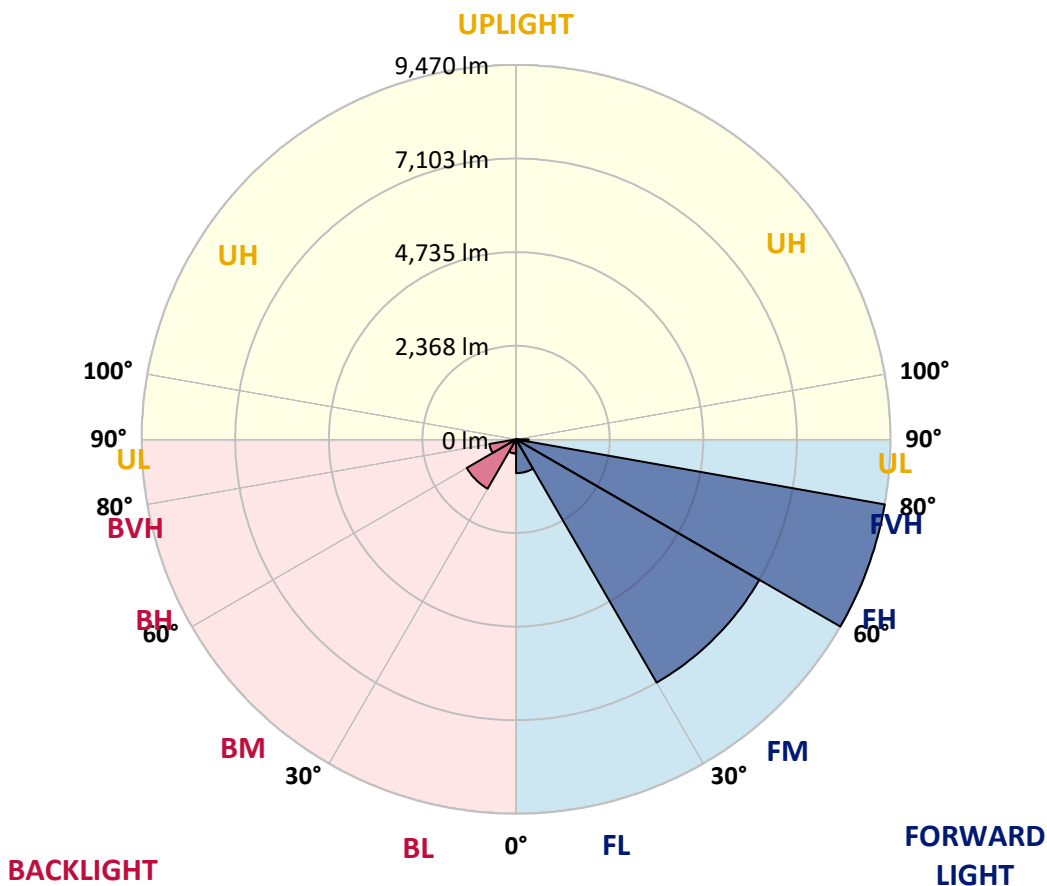
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	855.2	4.2			
FM (30°-60°)	7105.3	35.1			
FH (60°-80°)	9470.2	46.8			G4/12000
FVH (80°-90°)	315.0	1.6			G3/500
BL (0°-30°)	358.3	1.8	B1/500		
BM (30°-60°)	1440.5	7.1	B2/2500		
BH (60°-80°)	684.5	3.4	B2/1000		G2/1000
BVH (80°-90°)	14.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2
2.5°	1073.3	1078.0	1082.6	1099.0	1110.7	1120.1	1122.4	1115.4	1099.0	1082.6	1059.3
5°	1040.6	1045.2	1061.6	1106.0	1150.5	1185.5	1197.2	1190.2	1150.5	1099.0	1045.2
7.5°	1038.2	1047.6	1087.3	1180.9	1276.7	1349.2	1367.9	1351.6	1276.7	1173.8	1063.9
10°	1122.4	1138.8	1197.2	1365.6	1541.0	1669.6	1721.0	1650.9	1531.6	1344.5	1164.5
12.5°	1342.2	1370.3	1482.5	1728.0	1999.3	2170.0	2240.1	2153.6	1966.5	1695.3	1410.0
15°	1688.3	1730.4	1898.7	2265.8	2586.2	2738.2	2761.6	2712.5	2495.0	2195.7	1812.2
17.5°	2177.0	2237.8	2499.7	2873.8	3105.3	3159.1	3152.1	3100.6	2941.6	2735.8	2373.4
20°	2761.6	2834.1	3091.3	3399.9	3423.3	3360.2	3325.1	3294.7	3240.9	3205.9	2922.9
22.5°	3350.8	3439.7	3708.6	3785.8	3575.3	3392.9	3306.4	3329.8	3409.3	3582.3	3467.7
25°	3937.7	4021.9	4274.5	4066.4	3645.5	3341.5	3231.6	3287.7	3477.1	3851.2	3998.5
27.5°	4622.9	4686.0	4835.7	4258.1	3657.1	3299.4	3191.8	3278.3	3509.8	4019.6	4580.8
30°	5336.1	5373.5	5301.0	4309.5	3617.4	3236.2	3152.1	3278.3	3566.0	4131.8	5018.1
32.5°	5859.9	5866.9	5630.7	4314.2	3596.4	3184.8	3114.7	3264.3	3619.7	4225.4	5441.3
35°	6400.0	6364.9	5946.4	4384.4	3652.5	3203.5	3142.7	3304.1	3703.9	4335.3	5813.1
37.5°	6947.2	6884.0	6299.5	4498.9	3797.4	3406.9	3369.5	3507.5	3839.5	4487.3	6222.3
40°	7508.4	7421.9	6666.6	4672.0	4120.1	4099.1	4227.7	4211.3	4211.3	4681.3	6643.2
42.5°	8193.5	8093.0	7209.1	5160.7	4873.1	5343.1	5693.8	5476.4	5074.2	5128.0	7190.4
45°	9098.4	9011.9	8149.1	6096.0	6053.9	7134.2	7606.6	7176.3	6175.5	6159.2	8104.7
47.5°	10545.9	10529.5	9648.0	7181.0	7499.0	9414.1	10326.1	9498.3	7431.2	7251.2	9835.0
50°	12580.2	12531.1	11516.3	8453.1	9217.7	12238.8	13866.3	12486.7	8948.8	8525.6	12152.3
52.5°	14871.8	14923.2	14132.9	9842.0	11043.9	15381.5	17647.4	15910.0	10597.3	10146.0	15068.2
55°	17030.1	17324.7	17116.6	11467.2	12828.1	18851.6	21800.3	19665.4	12638.7	12266.9	18337.2
57.5°	18718.3	19548.4	21007.6	13828.9	14925.6	22911.0	26437.2	23736.4	15021.4	15711.2	22787.0
60°	18811.9	19910.9	23299.1	18769.8	17624.0	26392.7	31067.1	27713.9	18767.4	21559.4	26273.5
62.5°	17401.9	18580.4	21807.3	21014.6	20563.3	29355.4	33442.8	30613.4	22452.6	24985.1	25239.9
65°	15788.4	16978.6	20142.4	18468.1	20221.9	29229.1	32839.5	30681.2	22787.0	22656.1	23390.3
67.5°	13349.5	14418.1	17282.6	16347.3	18638.8	27819.1	30052.2	28747.4	20993.5	21189.9	21517.3
70°	9743.8	10772.7	13431.4	13478.1	16277.1	25277.4	25822.2	25642.1	19333.3	19541.4	18606.1
72.5°	7038.4	7905.9	10199.8	11053.3	12994.1	21197.0	20820.5	21515.0	16588.1	17404.2	14944.3
75°	5060.1	5710.2	7482.7	9615.2	10300.3	15741.6	14904.5	16662.9	13309.8	14986.4	11235.7
77.5°	2053.1	2282.2	2944.0	6477.2	6769.5	10590.3	9124.2	12103.2	9488.9	9846.7	5446.0
80°	84.2	93.5	121.6	3343.8	4641.6	5958.1	4882.4	6470.2	6266.7	3965.8	1286.1
82.5°	9.4	9.4	21.0	963.4	2032.0	3287.7	2300.9	3727.3	3173.1	1681.3	584.6
85°	2.3	2.3	4.7	109.9	477.0	526.1	311.0	1143.4	1475.5	687.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	21.0	23.4	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°	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2
2.5°	1059.3	1047.6	1033.5	1019.5	1012.5	993.8	986.8	982.1	977.4	979.8	979.8
5°	1024.2	998.5	968.1	937.7	921.3	902.6	893.2	888.6	890.9	900.3	900.3
7.5°	1019.5	970.4	904.9	865.2	846.5	832.4	823.1	818.4	820.8	832.4	837.1
10°	1096.7	1010.2	893.2	825.4	804.4	790.4	781.0	774.0	769.3	778.7	781.0
12.5°	1262.7	1143.4	949.4	820.8	783.3	764.6	757.6	743.6	736.6	741.3	743.6
15°	1606.4	1400.7	1061.6	839.5	764.6	743.6	731.9	720.2	708.5	706.2	708.5
17.5°	2055.4	1760.8	1232.3	883.9	750.6	724.9	708.5	692.1	675.8	673.4	671.1
20°	2611.9	2202.7	1470.8	954.0	738.9	708.5	685.1	661.7	640.7	633.7	633.7
22.5°	3119.3	2735.8	1777.1	1040.6	722.5	685.1	657.1	629.0	605.6	593.9	591.6
25°	3739.0	3301.7	2144.2	1141.1	699.2	654.7	624.3	596.3	572.9	558.9	554.2
27.5°	4363.3	3898.0	2560.5	1272.1	671.1	624.3	596.3	570.6	544.8	528.5	523.8
30°	4969.0	4541.0	3028.1	1435.7	650.1	593.9	570.6	544.8	521.4	495.7	488.7
32.5°	5619.0	5198.1	3551.9	1618.1	633.7	572.9	547.2	523.8	493.4	470.0	458.3
35°	6245.7	5876.2	4129.5	1795.8	617.3	554.2	526.1	502.7	470.0	444.3	427.9
37.5°	6877.0	6566.0	4732.8	1903.4	593.9	528.5	502.7	484.0	446.6	416.2	397.5
40°	7545.8	7279.2	5385.2	1859.0	572.9	500.4	486.4	465.3	423.2	388.2	364.8
42.5°	8280.0	7959.7	6049.3	1688.3	554.2	477.0	463.0	441.9	402.2	360.1	329.7
45°	9203.7	8705.6	6594.1	1431.1	563.5	453.6	425.6	420.9	383.5	329.7	292.3
47.5°	10791.4	9851.4	7017.3	1265.0	626.7	427.9	395.2	406.9	367.1	299.3	257.2
50°	13220.9	11750.1	7412.5	1253.3	722.5	416.2	367.1	397.5	350.7	268.9	226.8
52.5°	15535.9	13679.2	7665.0	1356.2	806.7	446.6	339.1	385.8	339.1	247.9	205.8
55°	17750.3	14792.3	7213.7	1431.1	886.2	537.8	318.0	367.1	325.0	236.2	198.8
57.5°	20137.7	15288.0	5679.8	1583.0	942.3	615.0	322.7	339.1	306.3	229.2	196.4
60°	20850.9	14654.3	3428.0	1781.8	911.9	638.4	357.8	301.6	280.6	215.1	189.4
62.5°	19742.5	13150.8	2022.7	1622.8	886.2	603.3	409.2	278.3	254.9	196.4	175.4
65°	18084.6	11109.4	1318.8	1370.3	940.0	537.8	434.9	266.6	231.5	177.7	154.3
67.5°	16190.6	8948.8	923.6	809.1	867.5	484.0	367.1	264.2	208.1	149.7	126.3
70°	13637.1	6701.7	650.1	535.5	722.5	430.3	285.3	257.2	182.4	121.6	98.2
72.5°	10536.5	4195.0	484.0	346.1	514.4	350.7	226.8	217.5	147.3	100.5	74.8
75°	7770.3	2392.1	341.4	250.2	339.1	266.6	168.4	154.3	126.3	95.9	67.8
77.5°	4057.0	1197.2	212.8	191.7	194.1	166.0	121.6	112.2	116.9	95.9	63.1
80°	778.7	238.5	128.6	140.3	105.2	105.2	88.9	93.5	102.9	77.2	53.8
82.5°	325.0	51.4	70.1	79.5	65.5	72.5	72.5	74.8	72.5	56.1	39.8
85°	0.0	0.0	30.4	32.7	44.4	44.4	37.4	37.4	37.4	32.7	23.4
87.5°	0.0	0.0	0.0	0.0	2.3	7.0	14.0	16.4	18.7	14.0	9.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2
2.5°	977.4	972.7	979.8	984.4	989.1	989.1	984.4	979.8	972.7	979.8	972.7
5°	902.6	909.6	921.3	926.0	930.7	921.3	916.6	902.6	890.9	893.2	888.6
7.5°	844.1	851.2	865.2	874.5	874.5	869.9	855.8	841.8	823.1	823.1	820.8
10°	790.4	799.7	816.1	827.8	832.4	827.8	813.7	795.0	778.7	778.7	771.6
12.5°	745.9	757.6	776.3	792.7	797.4	792.7	778.7	760.0	741.3	741.3	736.6
15°	708.5	722.5	743.6	762.3	769.3	762.3	745.9	722.5	703.8	706.2	699.2
17.5°	673.4	685.1	713.2	734.2	741.3	734.2	713.2	682.8	664.1	668.8	664.1
20°	633.7	647.7	675.8	699.2	706.2	699.2	675.8	643.0	624.3	624.3	626.7
22.5°	591.6	605.6	633.7	650.1	659.4	652.4	629.0	598.6	579.9	579.9	582.2
25°	554.2	561.2	582.2	598.6	601.0	593.9	575.2	551.8	537.8	544.8	547.2
27.5°	519.1	519.1	528.5	537.8	535.5	528.5	521.4	502.7	500.4	507.4	514.4
30°	481.7	470.0	465.3	458.3	456.0	453.6	460.7	460.7	465.3	474.7	481.7
32.5°	449.0	425.6	404.5	383.5	371.8	381.1	399.9	416.2	432.6	446.6	453.6
35°	411.5	374.1	339.1	311.0	292.3	306.3	336.7	367.1	395.2	413.9	425.6
37.5°	374.1	320.4	278.3	243.2	229.2	240.8	273.6	315.7	357.8	381.1	397.5
40°	334.4	266.6	217.5	189.4	175.4	187.1	219.8	261.9	318.0	348.4	369.5
42.5°	294.6	219.8	175.4	147.3	140.3	147.3	173.0	215.1	275.9	313.3	341.4
45°	254.9	182.4	140.3	119.3	112.2	119.3	140.3	175.4	236.2	278.3	311.0
47.5°	219.8	154.3	116.9	98.2	93.5	100.5	116.9	147.3	198.8	240.8	278.3
50°	191.7	135.6	100.5	84.2	79.5	86.5	100.5	123.9	168.4	205.8	245.5
52.5°	173.0	126.3	88.9	72.5	70.1	74.8	86.5	105.2	142.6	175.4	212.8
55°	168.4	126.3	81.8	65.5	63.1	67.8	77.2	91.2	123.9	152.0	184.7
57.5°	173.0	135.6	77.2	56.1	53.8	58.5	67.8	79.5	107.6	130.9	161.3
60°	173.0	138.0	67.8	44.4	42.1	46.8	56.1	70.1	95.9	114.6	140.3
62.5°	156.7	126.3	56.1	35.1	30.4	35.1	46.8	58.5	84.2	102.9	123.9
65°	135.6	107.6	46.8	25.7	21.0	25.7	37.4	49.1	72.5	88.9	112.2
67.5°	109.9	81.8	35.1	18.7	14.0	18.7	28.1	39.8	60.8	77.2	100.5
70°	81.8	58.5	28.1	16.4	14.0	16.4	25.7	37.4	53.8	70.1	93.5
72.5°	60.8	39.8	23.4	16.4	11.7	16.4	23.4	35.1	51.4	67.8	88.9
75°	51.4	32.7	21.0	14.0	11.7	14.0	21.0	32.7	46.8	63.1	84.2
77.5°	49.1	30.4	18.7	11.7	9.4	11.7	18.7	28.1	42.1	58.5	81.8
80°	42.1	25.7	16.4	9.4	7.0	9.4	16.4	23.4	32.7	44.4	63.1
82.5°	32.7	21.0	11.7	4.7	2.3	4.7	11.7	14.0	21.0	25.7	37.4
85°	21.0	11.7	4.7	0.0	0.0	0.0	4.7	9.4	9.4	11.7	18.7
87.5°	9.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.7	7.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2
2.5°	986.8	989.1	993.8	1000.8	1017.2	1031.2	1045.2	1063.9	1073.3	1073.3
5°	893.2	895.6	897.9	907.3	930.7	949.4	979.8	1017.2	1035.9	1040.6
7.5°	820.8	825.4	830.1	837.1	860.5	886.2	926.0	996.1	1031.2	1038.2
10°	778.7	785.7	795.0	809.1	830.1	858.2	926.0	1052.2	1110.7	1122.4
12.5°	745.9	757.6	767.0	783.3	809.1	853.5	989.1	1211.3	1314.1	1342.2
15°	713.2	727.2	741.3	757.6	785.7	869.9	1110.7	1496.5	1667.2	1688.3
17.5°	680.5	696.8	715.5	734.2	769.3	909.6	1302.5	1891.7	2130.2	2177.0
20°	643.0	664.1	689.8	713.2	752.9	972.7	1569.0	2361.7	2661.0	2761.6
22.5°	603.3	629.0	659.4	689.8	734.2	1049.9	1891.7	2866.8	3285.4	3350.8
25°	570.6	596.3	624.3	654.7	703.8	1143.4	2282.2	3493.5	3874.6	3937.7
27.5°	540.2	565.9	591.6	619.7	673.4	1265.0	2752.2	4159.9	4557.4	4622.9
30°	507.4	537.8	563.5	591.6	645.4	1414.7	3294.7	4898.8	5275.3	5336.1
32.5°	479.4	509.8	535.5	563.5	624.3	1578.4	3865.3	5553.5	5859.9	5859.9
35°	456.0	488.7	507.4	544.8	608.0	1683.6	4405.4	6177.9	6409.4	6400.0
37.5°	430.3	470.0	484.0	509.8	586.9	1695.3	4912.8	6837.3	7008.0	6947.2
40°	404.5	446.6	467.7	481.7	563.5	1599.4	5469.4	7442.9	7587.9	7508.4
42.5°	381.1	413.9	444.3	460.7	549.5	1431.1	5916.0	8090.6	8263.7	8193.5
45°	357.8	385.8	404.5	434.9	558.9	1314.1	6299.5	8845.9	9149.9	9098.4
47.5°	334.4	357.8	369.5	416.2	622.0	1260.4	6533.3	10015.1	10588.0	10545.9
50°	308.7	336.7	336.7	411.5	715.5	1279.1	6736.7	11708.0	12594.2	12580.2
52.5°	282.9	313.3	308.7	446.6	788.0	1365.6	6968.2	13202.2	14743.2	14871.8
55°	257.2	285.3	290.0	516.8	830.1	1440.4	6072.6	13831.2	16578.8	17030.1
57.5°	229.2	245.5	301.6	570.6	816.1	1657.9	4159.9	13945.8	17750.3	18718.3
60°	198.8	212.8	341.4	558.9	771.6	1531.6	2618.9	12916.9	17584.2	18811.9
62.5°	173.0	196.4	360.1	493.4	785.7	1328.2	1669.6	11008.9	16001.2	17401.9
65°	152.0	189.4	327.4	446.6	795.0	900.3	1127.1	8955.8	14455.6	15788.4
67.5°	135.6	210.4	268.9	397.5	682.8	633.7	774.0	6958.9	12154.6	13349.5
70°	123.9	215.1	219.8	341.4	528.5	406.9	509.8	4683.7	8378.2	9743.8
72.5°	112.2	159.0	166.0	273.6	341.4	247.9	329.7	2679.7	6107.7	7038.4
75°	107.6	107.6	114.6	177.7	189.4	180.1	212.8	1599.4	4379.7	5060.1
77.5°	100.5	81.8	72.5	114.6	102.9	128.6	126.3	710.9	1898.7	2053.1
80°	79.5	58.5	49.1	72.5	70.1	86.5	74.8	58.5	86.5	84.2
82.5°	49.1	37.4	35.1	44.4	39.8	44.4	35.1	9.4	9.4	9.4
85°	23.4	21.0	18.7	18.7	21.0	18.7	14.0	4.7	2.3	2.3
87.5°	11.7	11.7	9.4	7.0	9.4	9.4	7.0	2.3	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

(END OF REPORT)