

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: P642272

Luminaire Tested: GWS-SA6C-750-U-SL4-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642272  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-750-U-SL4-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

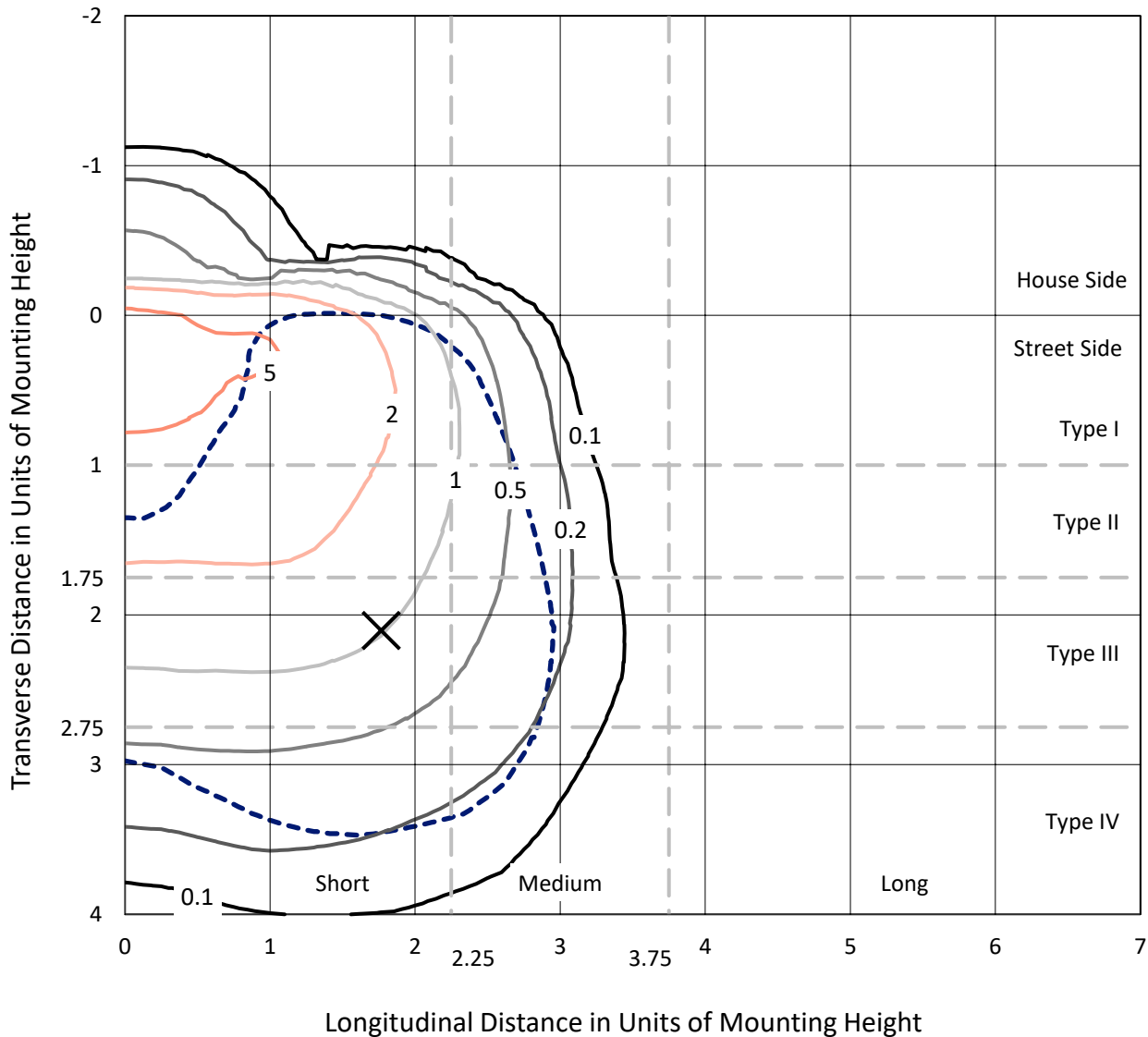
Lumens per Lamp: N/A  
Luminaire Lumens: 22885.3 lumens  
Efficiency: N/A  
Efficacy: 121.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

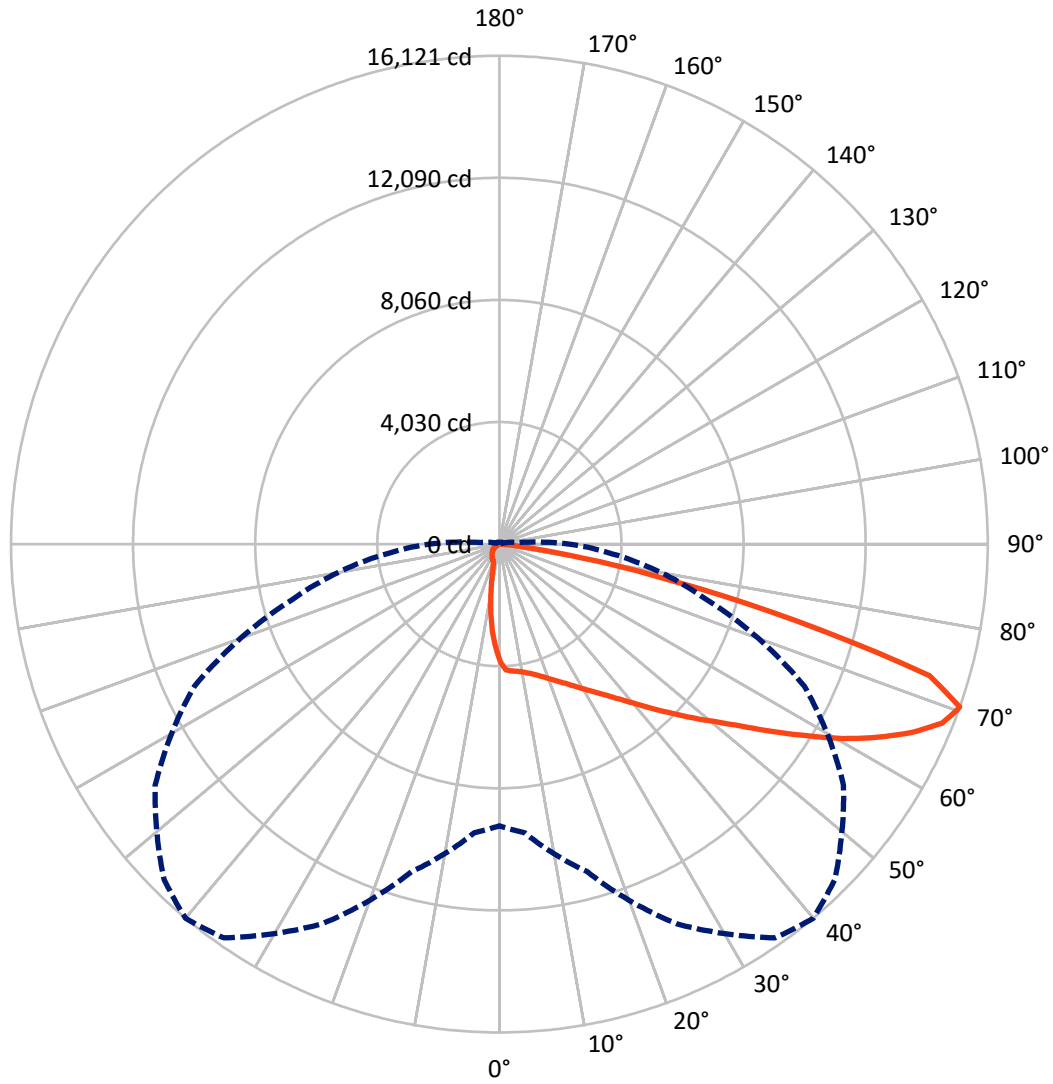
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1871.4	0.0	1871.4
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	21013.9	0.0	21013.9
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	22885.3	0.0	22885.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.2	1.4
10°-20°	832.4	3.6
20°-30°	1393.2	6.1
30°-40°	2188.3	9.6
40°-50°	3461.3	15.1
50°-60°	5049.2	22.1
60°-70°	6259.2	27.4
70°-80°	3166.8	13.8
80°-90°	206.7	0.9
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°	22885.3	100.0
0°-180°	22885.3	100.0

**Coefficient of Utilization**



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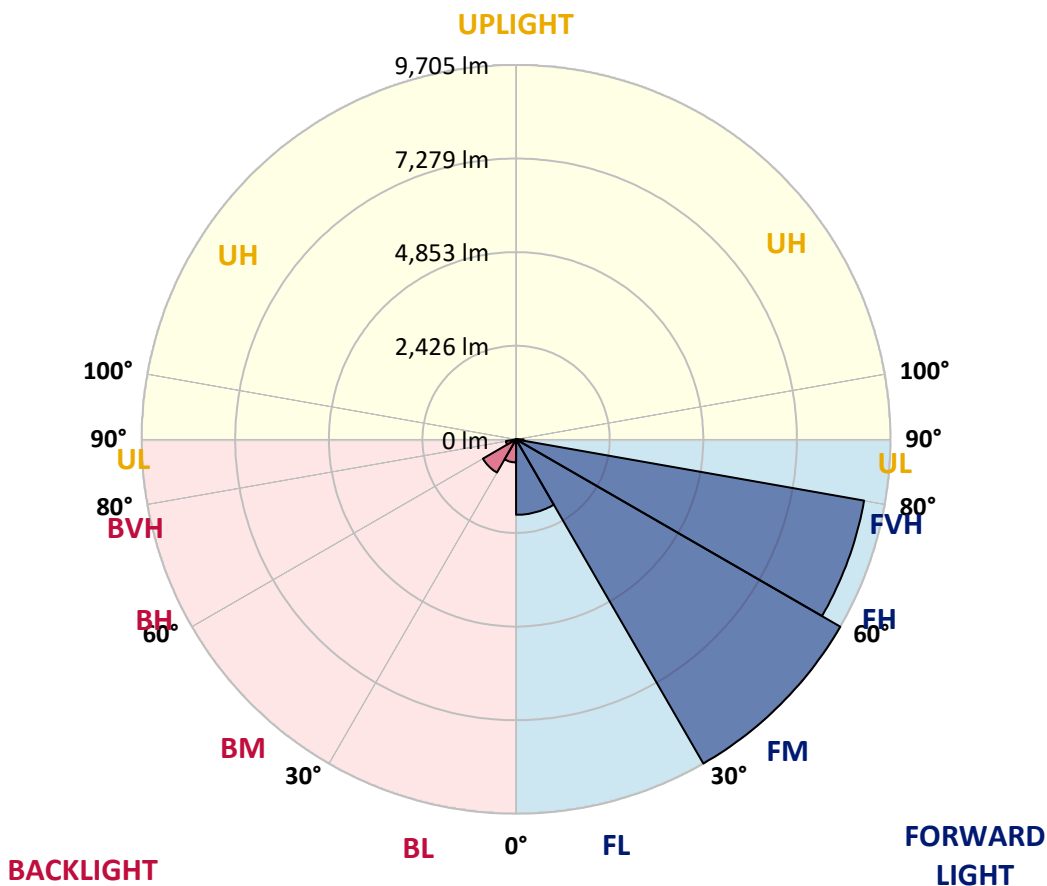
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1956.3	8.5			
FM (30°-60°)	9705.4	42.4			
FH (60°-80°)	9159.1	40.0			G4/12000
FVH (80°-90°)	193.1	0.8			G2/225
BL (0°-30°)	597.6	2.6	B2/1000		
BM (30°-60°)	993.3	4.3	B1/1000		
BH (60°-80°)	266.8	1.2	B1/500		G1/500
BVH (80°-90°)	13.6	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°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3883.4	3883.4	3883.4	3883.4	3883.4	3883.4	3883.4	3883.4	3883.4	3883.4	3883.4
2.5°	4174.9	4189.4	4187.4	4193.6	4179.0	4156.1	4152.0	4120.7	4064.5	3993.7	3914.6
5°	4260.2	4276.9	4264.4	4258.2	4231.1	4206.1	4199.9	4166.5	4102.0	4006.2	3868.8
7.5°	4333.1	4337.3	4329.0	4314.4	4274.8	4241.5	4218.6	4172.8	4095.7	4000.0	3841.7
10°	4345.6	4343.5	4347.7	4349.8	4324.8	4295.6	4276.9	4214.4	4116.6	4014.5	3843.8
12.5°	4331.0	4331.0	4358.1	4389.3	4389.3	4374.8	4356.0	4299.8	4185.3	4064.5	3885.4
15°	4349.8	4356.0	4408.1	4466.4	4485.1	4470.6	4462.2	4403.9	4285.2	4152.0	3960.4
17.5°	4416.4	4422.7	4505.9	4593.4	4616.3	4599.6	4583.0	4524.7	4397.7	4251.9	4045.8
20°	4514.3	4530.9	4637.1	4749.6	4770.4	4749.6	4716.3	4635.0	4508.0	4360.2	4127.0
22.5°	4693.3	4703.8	4818.3	4937.0	4947.4	4914.1	4864.1	4751.7	4618.4	4474.7	4218.6
25°	4930.7	4945.3	5059.8	5174.3	5147.3	5097.3	5028.6	4901.6	4749.6	4610.1	4335.2
27.5°	5213.9	5230.6	5343.0	5443.0	5372.2	5313.9	5236.8	5078.6	4924.5	4797.5	4485.1
30°	5520.0	5534.6	5634.5	5724.1	5630.4	5561.6	5470.0	5307.6	5151.4	5055.7	4697.5
32.5°	5815.7	5813.6	5909.4	5982.3	5886.5	5832.3	5749.0	5584.5	5459.6	5418.0	5014.0
35°	6090.5	6090.5	6169.7	6242.5	6173.8	6144.7	6067.6	5936.4	5865.6	5915.6	5436.7
37.5°	6367.5	6352.9	6427.8	6509.1	6502.8	6504.9	6461.2	6398.7	6402.9	6579.9	6017.6
40°	6596.5	6590.3	6677.7	6783.9	6867.2	6933.8	6906.8	6929.7	7060.8	7391.9	6761.0
42.5°	6779.7	6794.3	6906.8	7075.4	7285.7	7421.1	7439.8	7533.5	7870.8	8383.1	7600.1
45°	6990.0	6992.1	7148.3	7406.5	7741.7	7956.2	8031.2	8272.7	8751.6	9411.7	8520.5
47.5°	7248.2	7223.3	7398.2	7760.5	8245.6	8562.1	8695.4	8997.3	9738.6	10415.3	9270.1
50°	7533.5	7487.7	7685.5	8179.0	8809.9	9205.5	9476.2	9917.7	10717.2	11239.9	9828.1
52.5°	7864.6	7820.9	8045.7	8660.0	9486.6	9967.6	10315.4	10761.0	11556.4	11868.7	10161.3
55°	8285.2	8241.5	8478.8	9236.8	10286.2	10910.9	11275.3	11650.1	12337.2	12333.1	10402.8
57.5°	8751.6	8691.2	9020.2	9965.6	11283.6	11933.3	12303.9	12487.1	12930.7	12693.3	10565.2
60°	9286.8	9232.6	9688.6	10833.8	12435.1	13036.8	13270.1	13195.1	13417.9	12905.7	10509.0
62.5°	9769.8	9744.8	10311.2	11754.2	13532.4	14040.5	14105.0	13778.1	13776.0	12909.8	10130.1
65°	10271.6	10319.5	11160.8	12814.1	14636.0	14977.5	14867.1	14357.0	13919.7	12399.7	9009.8
67.5°	10459.0	10598.6	11720.9	13771.9	15506.4	15772.9	15579.3	14646.4	13322.1	10683.9	6861.0
70°	9301.3	9563.7	11192.0	13826.0	15866.6	16120.6	15656.3	13867.7	11106.6	7077.5	3758.4
72.5°	7073.3	7379.4	9326.3	11321.1	14269.5	14848.4	14055.1	11298.2	7158.7	3100.4	1261.8
75°	3958.3	4289.4	6946.3	8524.7	9580.3	10109.2	9817.7	7248.2	3171.2	810.0	376.9
77.5°	1338.9	1449.2	3231.6	5274.3	6323.7	5849.0	4951.5	3600.2	1166.0	308.2	199.9
80°	793.3	835.0	1203.5	2625.7	3327.4	2759.0	2178.0	1330.5	593.4	164.5	139.5
82.5°	237.4	281.1	664.2	974.5	1303.5	812.1	687.1	760.0	308.2	89.5	116.6
85°	0.0	0.0	141.6	301.9	341.5	133.3	133.3	431.0	56.2	37.5	85.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	10.4	6.2	8.3	18.7
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°	3883.4	3883.4	3883.4	3883.4	3883.4	3883.4	3883.4	3883.4	3883.4	3883.4	3883.4
2.5°	3858.4	3785.5	3700.1	3618.9	3541.9	3441.9	3394.0	3335.7	3285.8	3258.7	3273.3
5°	3781.3	3666.8	3491.9	3314.9	3135.8	2967.2	2815.2	2713.1	2621.5	2573.6	2584.0
7.5°	3714.7	3560.6	3287.8	2998.4	2711.1	2421.6	2186.3	2003.1	1861.5	1803.2	1792.8
10°	3685.5	3491.9	3106.7	2690.2	2248.8	1859.4	1526.3	1324.3	1180.6	1109.8	1122.3
12.5°	3700.1	3456.5	2952.6	2388.3	1815.7	1361.8	1043.2	853.7	751.7	710.0	699.6
15°	3741.8	3448.2	2815.2	2080.1	1401.3	951.6	720.5	643.4	622.6	618.4	618.4
17.5°	3789.7	3450.3	2673.6	1767.8	1064.0	705.9	616.3	601.8	595.5	591.4	593.4
20°	3837.6	3450.3	2511.2	1451.3	799.6	610.1	587.2	576.8	570.5	568.4	568.4
22.5°	3895.9	3450.3	2330.0	1157.7	641.3	578.9	560.1	553.9	547.6	545.5	543.5
25°	3966.7	3452.3	2130.1	905.8	583.0	551.8	537.2	531.0	524.7	520.6	520.6
27.5°	4068.7	3469.0	1909.4	705.9	549.7	526.8	514.3	508.1	501.8	495.6	495.6
30°	4216.5	3510.6	1661.6	583.0	518.5	499.7	487.2	483.1	476.8	470.6	468.5
32.5°	4437.2	3583.5	1405.5	522.6	489.3	470.6	456.0	451.8	445.6	439.4	437.3
35°	4745.4	3716.8	1155.6	485.2	451.8	433.1	424.8	422.7	414.4	408.1	408.1
37.5°	5197.2	3933.3	916.2	447.7	420.6	406.0	395.6	391.5	383.1	376.9	374.8
40°	5749.0	4214.4	712.1	418.5	391.5	376.9	366.5	360.2	349.8	341.5	337.3
42.5°	6452.8	4558.0	562.2	387.3	364.4	349.8	341.5	329.0	314.4	301.9	299.8
45°	7185.8	4912.0	464.3	358.1	339.4	326.9	316.5	299.8	279.0	264.4	260.3
47.5°	7748.0	5132.7	406.0	326.9	312.3	301.9	289.4	268.6	243.6	227.0	222.8
50°	8149.9	5166.0	362.3	297.8	289.4	279.0	260.3	235.3	208.2	191.6	187.4
52.5°	8347.7	5016.1	326.9	270.7	264.4	254.0	231.1	204.1	174.9	158.2	154.1
55°	8437.2	4732.9	293.6	247.8	239.5	227.0	202.0	172.8	143.7	129.1	124.9
57.5°	8401.8	4314.4	264.4	224.9	214.5	199.9	172.8	141.6	118.7	104.1	102.0
60°	8139.4	3727.2	235.3	202.0	189.5	172.8	145.8	116.6	95.8	85.4	83.3
62.5°	7573.1	2998.4	206.1	174.9	166.6	149.9	124.9	95.8	79.1	72.9	70.8
65°	6413.3	2119.7	177.0	147.8	143.7	127.0	104.1	79.1	68.7	64.5	62.5
67.5°	4610.1	1288.9	149.9	127.0	122.9	108.3	87.5	68.7	62.5	60.4	60.4
70°	2317.5	610.1	118.7	104.1	104.1	89.5	75.0	62.5	60.4	58.3	58.3
72.5°	787.1	260.3	89.5	81.2	85.4	77.0	64.5	58.3	58.3	58.3	58.3
75°	268.6	137.4	62.5	58.3	62.5	62.5	56.2	56.2	58.3	58.3	58.3
77.5°	174.9	91.6	43.7	39.6	47.9	47.9	47.9	52.1	56.2	56.2	56.2
80°	143.7	50.0	29.2	27.1	35.4	35.4	39.6	47.9	52.1	52.1	52.1
82.5°	122.9	31.2	16.7	18.7	25.0	27.1	33.3	39.6	45.8	47.9	47.9
85°	83.3	16.7	12.5	14.6	16.7	20.8	27.1	33.3	37.5	41.6	41.6
87.5°	22.9	6.2	8.3	10.4	10.4	14.6	20.8	25.0	29.2	31.2	31.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)