

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: P642765

Luminaire Tested: GWS-SA6D-750-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-750-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

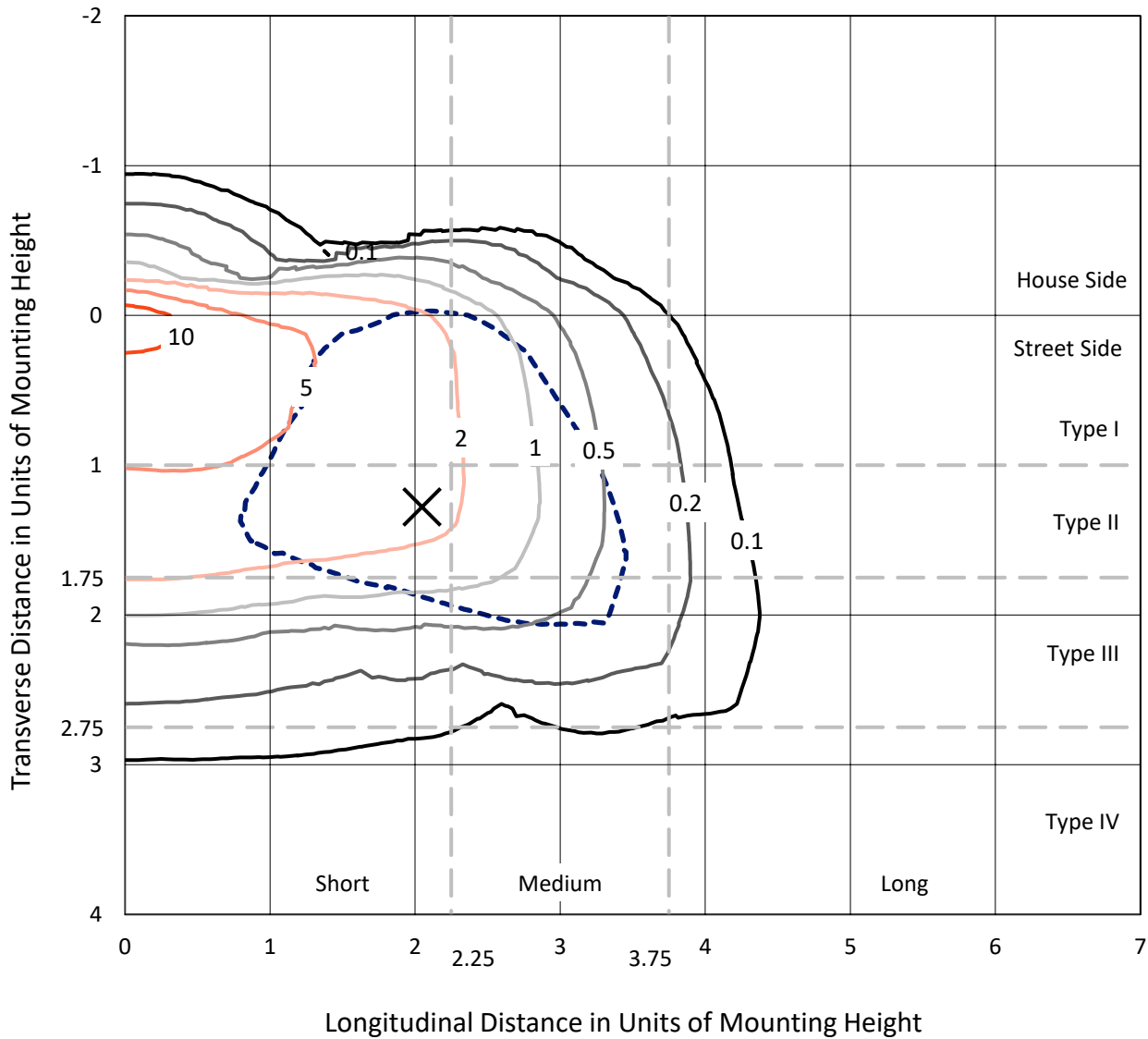
Lumens per Lamp: N/A  
Luminaire Lumens: 29677.6 lumens  
Efficiency: N/A  
Efficacy: 120.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): 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

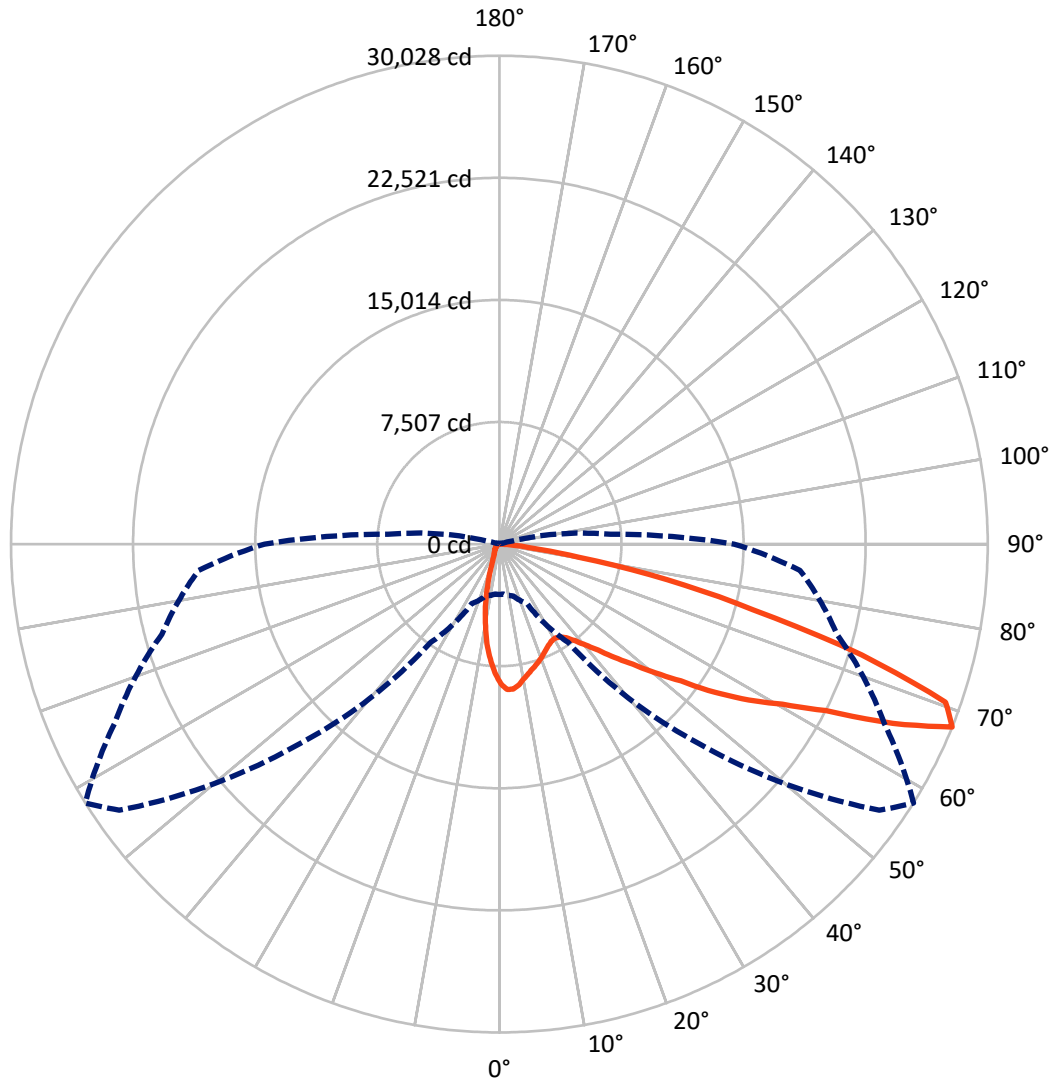
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2899.3	0.0	2899.3
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	26778.3	0.0	26778.3
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	29677.6	0.0	29677.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	695.6	2.3
10°-20°	1448.0	4.9
20°-30°	1952.8	6.6
30°-40°	2744.0	9.2
40°-50°	4237.9	14.3
50°-60°	6776.9	22.8
60°-70°	8024.4	27.0
70°-80°	3549.8	12.0
80°-90°	248.2	0.8
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°	29677.6	100.0
0°-180°	29677.6	100.0

**Coefficient of Utilization**



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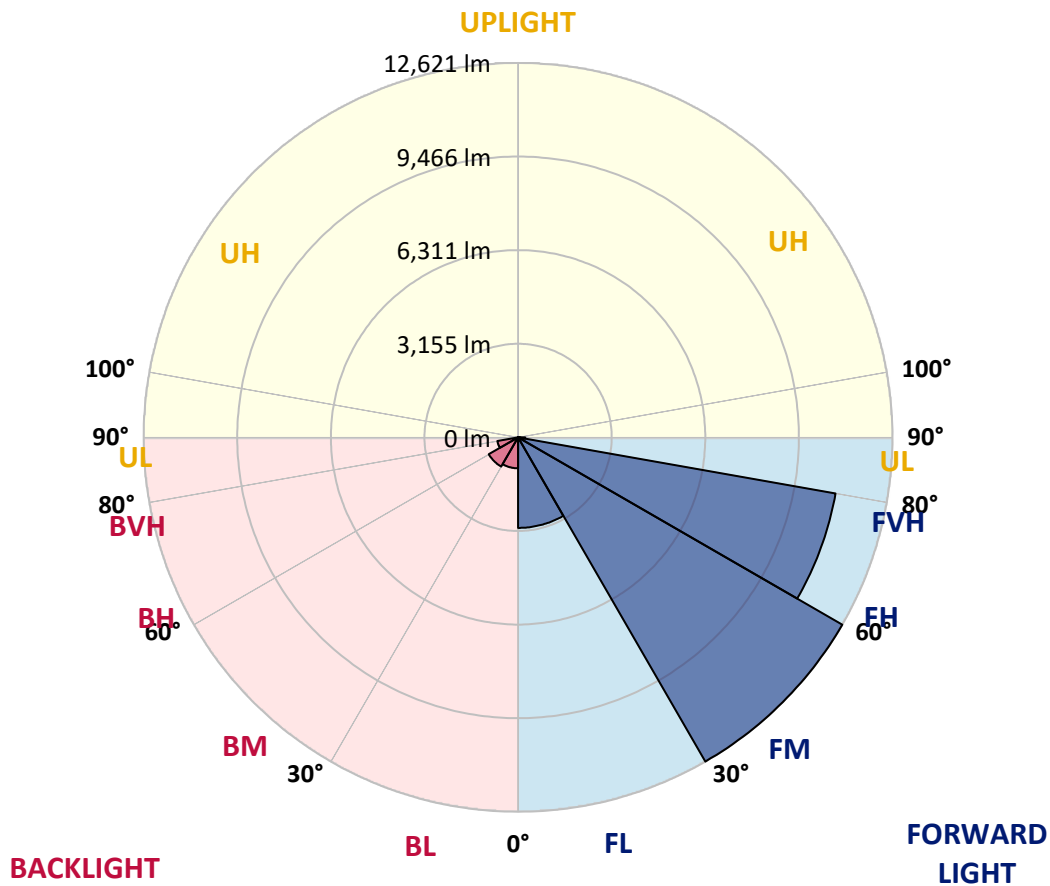
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3053.1	10.3			
FM (30°-60°)	12621.3	42.5			
FH (60°-80°)	10866.4	36.6			G4/12000
FVH (80°-90°)	237.6	0.8			G3/500
BL (0°-30°)	1043.3	3.5	B3/2500		
BM (30°-60°)	1137.6	3.8	B2/2500		
BH (60°-80°)	707.8	2.4	B2/1000		G2/1000
BVH (80°-90°)	10.6	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8560.4	8560.4	8560.4	8560.4	8560.4	8560.4	8560.4	8560.4	8560.4	8560.4	8560.4
2.5°	9004.3	9020.1	9041.1	9067.4	9062.1	9038.5	9009.6	8943.9	8901.9	8770.5	8610.3
5°	8715.4	8712.8	8765.3	8815.2	8904.5	8951.8	9017.5	8957.0	8936.0	8778.4	8518.4
7.5°	8150.6	8179.5	8240.0	8318.8	8447.5	8586.7	8744.3	8725.9	8788.9	8683.9	8360.8
10°	7596.4	7580.7	7675.2	7793.4	7990.4	8169.0	8397.6	8394.9	8560.4	8549.9	8182.2
12.5°	7110.5	7107.8	7181.4	7315.4	7546.5	7796.0	8106.0	8113.9	8318.8	8402.8	8029.8
15°	6700.7	6706.0	6776.9	6916.1	7155.1	7459.8	7819.7	7885.4	8116.5	8287.2	7880.1
17.5°	6409.1	6411.8	6453.8	6574.6	6808.4	7134.1	7567.5	7656.8	7953.6	8200.6	7759.3
20°	6275.2	6264.7	6272.6	6333.0	6514.2	6811.0	7310.1	7425.7	7803.9	8140.1	7648.9
22.5°	6293.6	6277.8	6241.0	6233.2	6314.6	6540.5	7036.9	7178.8	7641.1	8103.4	7549.1
25°	6456.4	6422.3	6369.7	6290.9	6259.4	6372.4	6797.9	6945.0	7488.7	8106.0	7473.0
27.5°	6706.0	6669.2	6603.5	6498.5	6375.0	6327.7	6635.0	6774.3	7381.0	8166.4	7436.2
30°	7023.8	6994.9	6931.9	6805.8	6640.3	6445.9	6600.9	6716.5	7328.5	8289.9	7451.9
32.5°	7399.4	7378.4	7325.9	7210.3	7021.2	6724.3	6716.5	6805.8	7370.5	8468.5	7512.4
35°	7761.9	7769.8	7772.4	7709.4	7507.1	7147.2	7034.3	7065.8	7543.9	8736.4	7648.9
37.5°	8153.3	8134.9	8229.4	8274.1	8079.7	7696.2	7525.5	7528.1	7874.8	9133.0	7906.4
40°	8450.1	8455.3	8660.2	8844.1	8762.7	8392.3	8148.0	8145.4	8384.4	9676.8	8321.4
42.5°	8728.5	8762.7	9064.7	9379.9	9492.9	9164.6	8988.6	8922.9	9098.9	10412.2	8943.9
45°	9025.3	9075.2	9498.1	9947.3	10244.1	10049.8	9910.5	9936.8	9957.8	11268.5	9781.8
47.5°	9372.1	9403.6	9926.3	10559.3	11113.6	11063.7	11071.5	11040.0	11029.5	12348.1	10890.3
50°	9792.3	9865.9	10467.4	11223.9	11980.4	12311.3	12421.7	12434.8	12264.1	13524.9	12038.2
52.5°	10685.4	10774.7	11289.6	11951.5	12926.0	13622.1	14071.2	13981.9	13719.2	14664.9	13296.4
55°	11738.7	11807.0	12303.5	12989.0	14081.7	15058.9	16125.3	16088.5	15445.0	15865.3	14331.3
57.5°	11838.5	11914.7	12684.3	13735.0	15565.8	16834.5	17956.1	18074.3	17131.3	16716.3	15255.9
60°	10716.9	10871.9	11922.6	13335.8	16133.2	19222.2	19962.9	19986.6	18368.5	17580.5	16385.3
62.5°	8589.3	8662.9	9721.4	11565.4	15258.5	20614.3	23028.3	22529.2	19957.7	18917.5	18174.1
65°	4502.2	4801.6	5723.6	7764.5	12374.4	20128.4	26716.2	26579.6	22815.5	20832.4	19566.3
67.5°	3089.0	3086.4	3304.4	4047.7	7378.4	17331.0	28526.0	30028.4	26119.9	21489.0	18557.6
70°	2350.9	2358.8	2553.2	3036.5	3821.8	11536.5	26540.2	29109.1	26734.5	19511.1	15009.0
72.5°	1560.3	1576.0	1899.1	2453.3	3052.2	5655.3	20624.8	23290.9	22495.1	15670.9	10564.6
75°	932.5	945.6	1176.8	1783.5	2713.4	3165.2	13104.6	16101.7	15484.4	10801.0	5663.2
77.5°	383.5	394.0	604.1	1111.1	1985.8	2458.6	7247.1	10535.7	9274.9	4294.7	1547.1
80°	160.2	165.5	291.6	777.5	1431.6	1541.9	3356.9	4951.3	3800.8	924.6	472.8
82.5°	57.8	60.4	107.7	428.2	890.5	1161.0	1694.2	1956.9	1071.7	302.1	254.8
85°	2.6	2.6	26.3	144.5	338.8	328.3	969.3	937.7	354.6	126.1	152.3
87.5°	0.0	0.0	2.6	2.6	5.3	13.1	91.9	162.9	76.2	31.5	65.7
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°	8560.4	8560.4	8560.4	8560.4	8560.4	8560.4	8560.4	8560.4	8560.4	8560.4	8560.4
2.5°	8505.3	8366.0	8213.7	8071.8	7846.0	7712.0	7546.5	7473.0	7367.9	7341.6	7357.4
5°	8331.9	8092.9	7727.7	7396.8	6968.6	6624.5	6277.8	6130.7	5941.6	5815.5	5763.0
7.5°	8087.6	7775.0	7205.0	6603.5	6015.1	5387.4	4909.3	4594.1	4307.8	4150.2	4118.7
10°	7840.7	7433.6	6616.7	5755.1	4843.6	4092.4	3446.2	2968.2	2579.4	2403.4	2266.8
12.5°	7585.9	7079.0	6017.8	4893.5	3835.0	2810.6	2012.1	1547.1	1268.7	1158.4	1176.8
15°	7352.1	6737.5	5424.1	4032.0	2700.2	1696.8	1111.1	937.7	872.1	851.1	848.4
17.5°	7128.9	6414.4	4833.1	3194.1	1780.9	1040.2	851.1	809.0	790.6	780.1	780.1
20°	6926.6	6104.4	4255.3	2406.1	1150.5	824.8	769.6	748.6	732.8	725.0	725.0
22.5°	6737.5	5805.0	3690.5	1702.1	848.4	740.7	706.6	685.6	667.2	656.7	656.7
25°	6566.7	5534.5	3152.0	1171.5	730.2	677.7	640.9	617.3	585.8	567.4	567.4
27.5°	6443.3	5292.8	2634.6	853.7	659.3	609.4	567.4	535.8	501.7	480.7	475.4
30°	6369.7	5087.9	2111.9	701.3	593.6	543.7	496.4	457.0	417.6	396.6	394.0
32.5°	6327.7	4898.8	1633.8	612.0	538.5	480.7	428.2	386.1	346.7	323.1	320.5
35°	6343.5	4751.7	1224.0	551.6	485.9	425.5	367.7	325.7	291.6	270.6	265.3
37.5°	6480.1	4686.0	919.3	504.3	441.3	378.2	317.8	278.4	246.9	231.1	228.5
40°	6745.4	4699.2	722.3	467.6	404.5	331.0	273.2	236.4	212.8	199.6	197.0
42.5°	7157.8	4809.5	596.3	436.0	365.1	288.9	236.4	207.5	183.9	170.7	168.1
45°	7772.4	5038.0	520.1	399.3	323.1	249.5	204.9	178.6	157.6	141.8	139.2
47.5°	8662.9	5434.6	470.2	365.1	286.3	215.4	176.0	149.7	131.3	118.2	115.6
50°	9611.1	5910.1	428.2	331.0	254.8	186.5	149.7	123.5	107.7	94.6	91.9
52.5°	10622.4	6422.3	396.6	299.4	225.9	160.2	126.1	102.4	86.7	73.5	70.9
55°	11594.3	6937.1	359.9	278.4	191.7	136.6	105.1	84.1	68.3	57.8	57.8
57.5°	12539.9	7409.9	320.5	244.3	157.6	115.6	86.7	68.3	55.2	47.3	44.7
60°	13669.3	8064.0	275.8	207.5	131.3	97.2	70.9	55.2	44.7	36.8	36.8
62.5°	15347.8	8744.3	236.4	173.4	110.3	81.4	57.8	44.7	36.8	31.5	28.9
65°	15896.8	8376.5	199.6	141.8	89.3	65.7	47.3	39.4	31.5	28.9	26.3
67.5°	14431.1	6866.2	165.5	115.6	73.5	55.2	42.0	34.1	28.9	26.3	23.6
70°	11260.7	4872.5	128.7	86.7	60.4	44.7	36.8	31.5	26.3	23.6	23.6
72.5°	7659.5	2881.5	102.4	65.7	49.9	39.4	31.5	28.9	26.3	23.6	21.0
75°	3771.9	1024.4	78.8	49.9	39.4	34.1	28.9	26.3	23.6	21.0	21.0
77.5°	1016.5	283.7	60.4	39.4	31.5	26.3	26.3	26.3	23.6	18.4	18.4
80°	344.1	118.2	44.7	28.9	26.3	21.0	18.4	23.6	21.0	18.4	15.8
82.5°	189.1	57.8	31.5	23.6	18.4	15.8	15.8	15.8	15.8	13.1	13.1
85°	120.8	31.5	21.0	18.4	18.4	13.1	10.5	10.5	7.9	7.9	7.9
87.5°	55.2	18.4	18.4	15.8	15.8	13.1	7.9	5.3	2.6	2.6	2.6
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)