

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: P642761

Luminaire Tested: GWS-SA6D-750-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642761  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-750-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

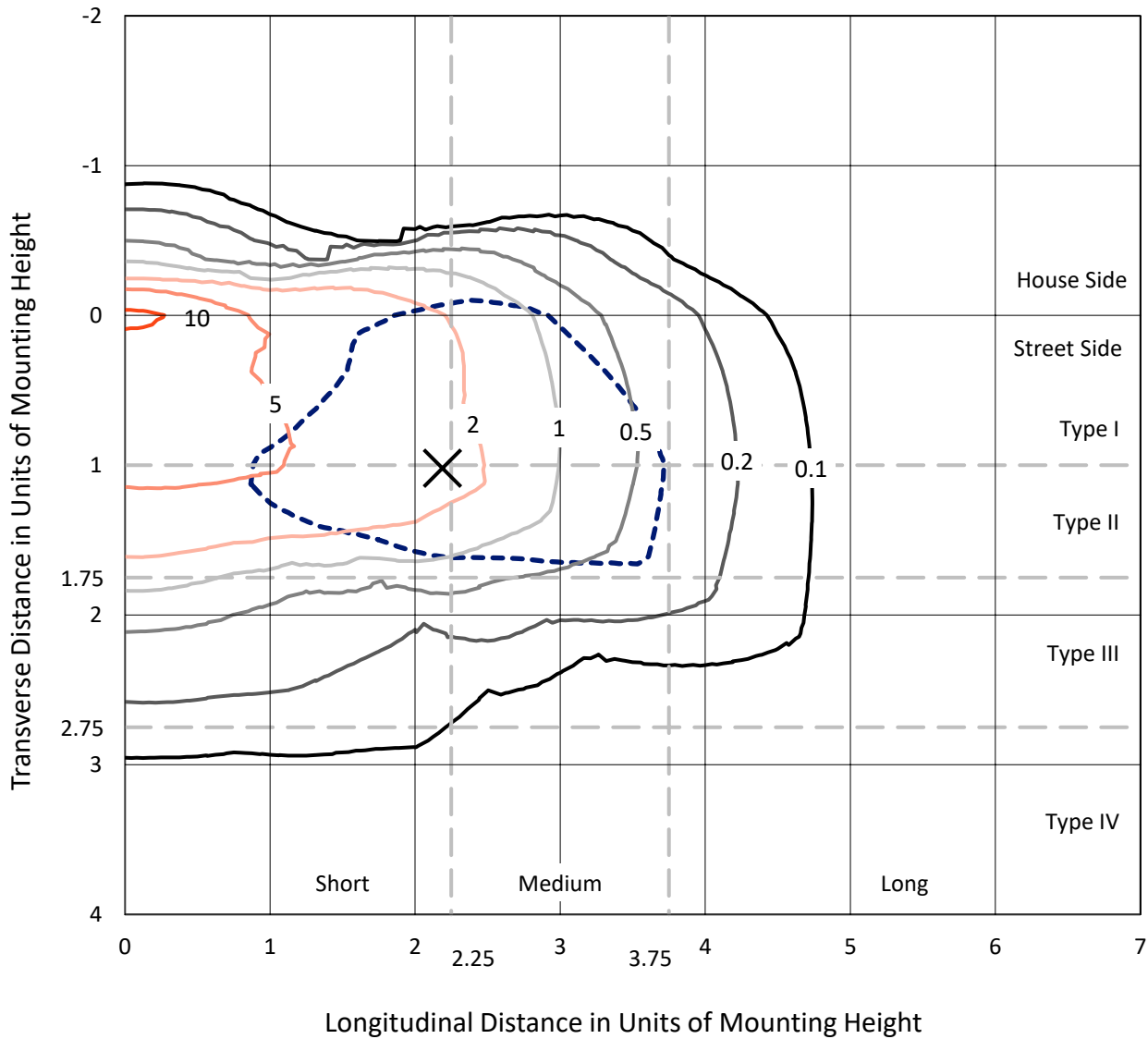
Lumens per Lamp: N/A  
Luminaire Lumens: 29047.1 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

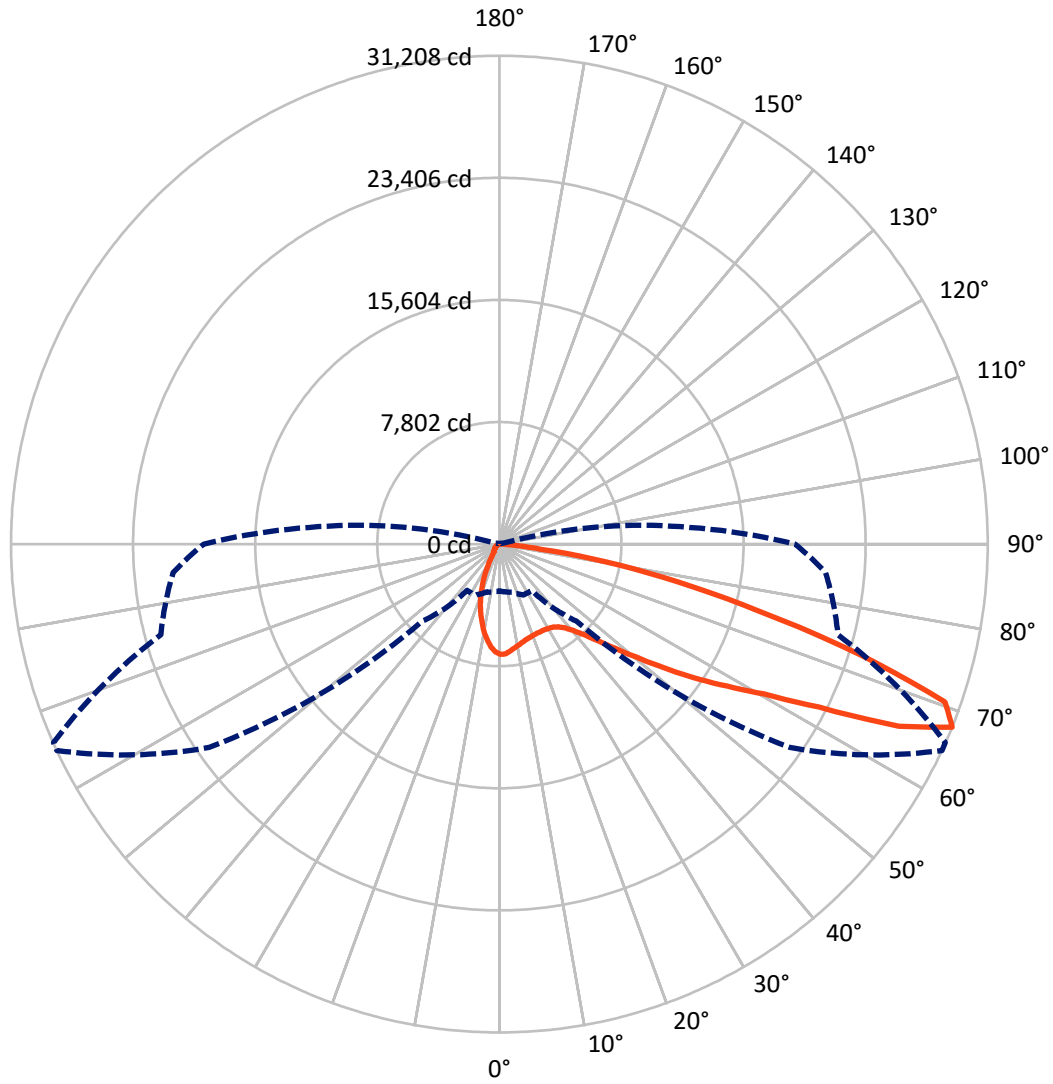
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3627.1	0.0	3627.1
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	25420.0	0.0	25420.0
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	29047.1	0.0	29047.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	585.1	2.0
10°-20°	1315.3	4.5
20°-30°	1879.5	6.5
30°-40°	2734.4	9.4
40°-50°	4282.5	14.7
50°-60°	6680.9	23.0
60°-70°	7338.6	25.3
70°-80°	3905.6	13.4
80°-90°	325.2	1.1
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°	29047.1	100.0
0°-180°	29047.1	100.0

**Coefficient of Utilization**



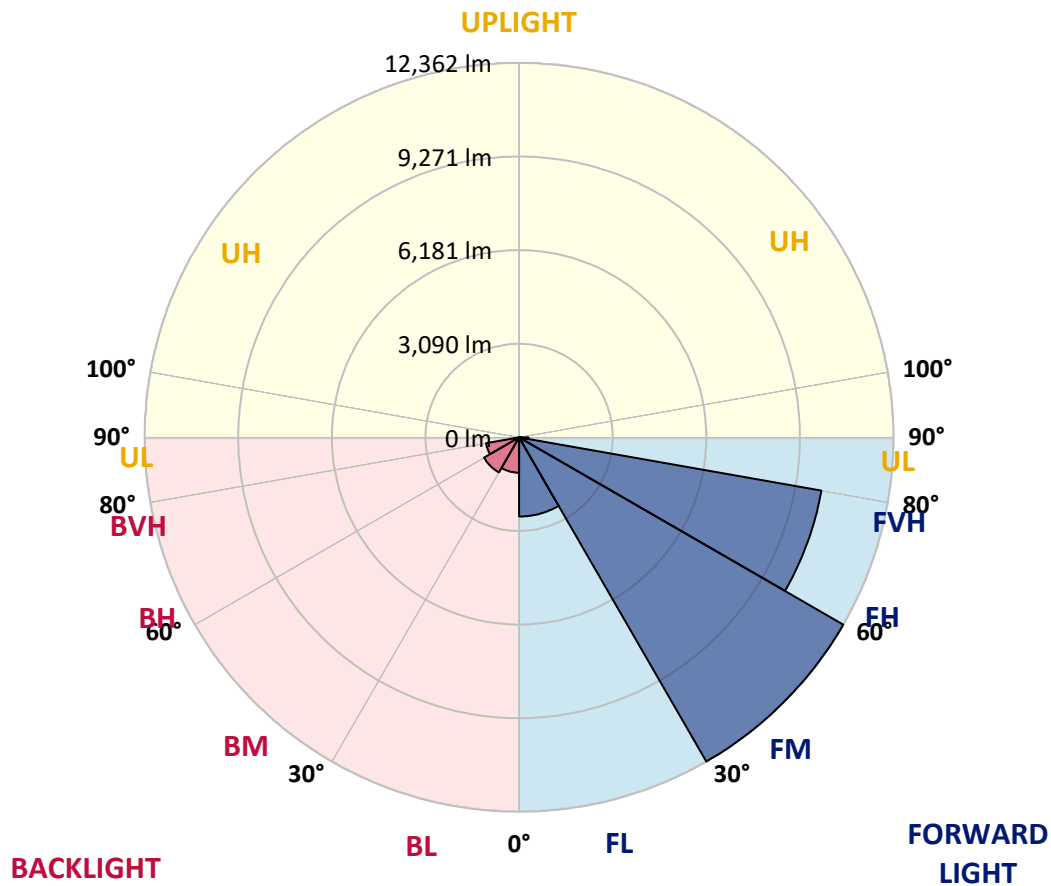
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2614.1	9.0			
FM (30°-60°)	12361.8	42.6			
FH (60°-80°)	10136.3	34.9			G4/12000
FVH (80°-90°)	307.8	1.1			G3/500
BL (0°-30°)	1165.8	4.0	B3/2500		
BM (30°-60°)	1336.0	4.6	B2/2500		
BH (60°-80°)	1107.9	3.8	B3/2500		G3/2500
BVH (80°-90°)	17.4	0.1			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7044.8	7044.8	7044.8	7044.8	7044.8	7044.8	7044.8	7044.8	7044.8	7044.8	7044.8
2.5°	6800.6	6821.6	6792.7	6863.6	6876.7	6955.5	7000.2	7031.7	7029.1	7068.5	7068.5
5°	6401.3	6422.3	6406.5	6482.7	6543.1	6666.6	6769.0	6887.2	6892.5	7013.3	7058.0
7.5°	6062.4	6065.1	6065.1	6159.6	6238.4	6390.8	6543.1	6724.4	6745.4	6931.9	7050.1
10°	5784.0	5791.9	5794.5	5902.2	5988.9	6172.8	6367.1	6585.2	6608.8	6861.0	7044.8
12.5°	5592.3	5594.9	5605.4	5718.3	5812.9	6004.7	6201.7	6451.2	6482.7	6779.5	7021.2
15°	5500.3	5495.1	5500.3	5594.9	5689.5	5873.3	6075.6	6343.5	6377.7	6711.2	7023.8
17.5°	5495.1	5487.2	5481.9	5552.9	5613.3	5776.1	5981.0	6272.6	6309.4	6679.7	7052.7
20°	5571.3	5566.0	5539.7	5571.3	5584.4	5718.3	5920.6	6217.4	6254.2	6674.5	7115.8
22.5°	5770.9	5757.7	5718.3	5689.5	5618.5	5697.3	5878.6	6178.0	6220.0	6687.6	7197.2
25°	6067.7	6062.4	6012.5	5941.6	5760.4	5728.9	5881.2	6178.0	6217.4	6703.4	7283.9
27.5°	6514.2	6482.7	6419.7	6296.2	6036.2	5852.3	5933.7	6193.8	6233.2	6724.4	7354.8
30°	6968.7	6966.0	6945.0	6818.9	6432.8	6088.7	6044.1	6235.8	6272.6	6742.8	7420.5
32.5°	7438.8	7446.7	7499.3	7402.1	6979.2	6440.7	6243.7	6322.5	6348.8	6779.5	7478.2
35°	7885.4	7901.1	8040.4	8074.5	7643.7	6973.9	6569.4	6495.9	6498.5	6861.0	7554.4
37.5°	8313.5	8366.1	8589.3	8754.8	8471.1	7620.1	7039.6	6790.0	6769.0	7023.8	7670.0
40°	8799.5	8899.3	9180.4	9461.4	9372.1	8473.8	7680.5	7241.8	7197.2	7323.3	7877.5
42.5°	9338.0	9445.6	9818.6	10212.6	10254.7	9506.1	8481.6	7901.1	7825.0	7827.6	8266.3
45°	9915.8	10060.3	10493.7	11061.1	11315.9	10656.6	9469.3	8791.6	8715.4	8602.5	8891.4
47.5°	10675.0	10801.0	11218.7	11872.7	12361.3	11891.1	10764.3	9936.8	9797.6	9632.1	9863.3
50°	11329.0	11439.3	11799.2	12618.7	13635.3	13482.9	12232.6	11368.4	11234.4	10953.4	11145.1
52.5°	11473.5	11560.2	11891.1	12813.1	14609.8	15492.3	14031.9	13099.4	13004.8	12484.8	12558.3
55°	10824.7	10956.0	11252.8	12277.2	14864.6	17457.1	16367.0	15051.0	14854.0	14024.0	14155.3
57.5°	9185.6	9419.4	9697.8	11029.6	14173.7	18502.5	19629.4	17118.3	16939.7	15505.5	15508.1
60°	6732.3	6921.4	7107.9	8326.7	12534.7	18431.6	22589.7	19440.3	19114.6	16716.4	16671.7
62.5°	4896.2	4993.4	4990.7	5424.2	8607.7	17218.1	24144.7	22939.1	22179.9	18011.4	17756.6
65°	3850.8	3848.1	3961.1	4102.9	4806.9	13291.2	24336.5	28048.0	27228.5	19747.6	19217.0
67.5°	2997.1	3054.9	3167.8	3585.5	3611.7	6955.5	22650.1	31207.9	31192.2	22398.0	20927.0
70°	2311.5	2390.3	2550.5	3159.9	3335.9	3892.8	16947.5	30207.2	30462.0	23582.6	19716.1
72.5°	1484.1	1478.8	1715.2	2553.2	3204.6	3244.0	9372.1	23995.0	24283.9	21360.4	15941.5
75°	830.0	835.3	969.3	1562.9	2986.6	3052.2	4641.4	17110.4	17338.9	16653.3	12248.3
77.5°	325.7	336.2	454.4	822.2	1970.0	2726.5	2758.0	11667.8	11702.0	10320.3	7512.4
80°	131.3	139.2	231.2	509.6	1200.4	1836.1	1970.0	6874.1	6734.9	3995.2	2185.4
82.5°	39.4	42.0	91.9	288.9	627.8	1305.5	1329.1	2637.2	2490.1	858.9	556.9
85°	2.6	2.6	21.0	89.3	223.3	328.3	885.2	858.9	761.7	215.4	246.9
87.5°	0.0	0.0	2.6	2.6	5.3	10.5	94.6	157.6	160.2	39.4	110.3
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7044.8	7044.8	7044.8	7044.8	7044.8	7044.8	7044.8	7044.8	7044.8	7044.8	7044.8
2.5°	7068.5	6973.9	6966.0	6892.5	6818.9	6727.0	6619.3	6540.5	6485.3	6388.2	6369.8
5°	7058.0	6931.9	6813.7	6603.5	6369.8	6117.6	5897.0	5692.1	5563.4	5476.7	5439.9
7.5°	7037.0	6876.7	6603.5	6206.9	5815.5	5374.2	5030.2	4714.9	4499.6	4373.5	4318.3
10°	7021.2	6805.8	6361.9	5760.4	5153.6	4544.2	4021.5	3553.9	3293.9	3089.0	3054.9
12.5°	6989.7	6703.4	6051.9	5237.7	4454.9	3645.9	2978.7	2406.1	2009.4	1830.8	1767.8
15°	6958.2	6595.7	5742.0	4686.1	3693.2	2695.0	1886.0	1334.4	1061.2	977.1	971.9
17.5°	6952.9	6498.5	5405.8	4163.3	2894.6	1765.1	1074.3	864.2	806.4	785.4	785.4
20°	6968.7	6417.1	5074.8	3561.8	2109.2	1074.3	801.1	748.6	714.5	696.1	696.1
22.5°	6984.4	6333.0	4757.0	2955.0	1400.0	785.4	706.6	661.9	622.5	601.5	591.0
25°	6994.9	6241.1	4405.0	2345.7	914.1	682.9	619.9	562.1	514.8	488.6	488.6
27.5°	6992.3	6130.7	4050.4	1749.4	709.2	606.8	530.6	470.2	422.9	394.0	396.6
30°	6971.3	6009.9	3682.6	1221.4	619.9	530.6	454.4	391.4	344.1	320.5	317.8
32.5°	6955.5	5881.2	3257.1	858.9	556.9	464.9	386.1	325.7	286.3	267.9	265.3
35°	6937.1	5755.1	2852.6	654.1	501.7	401.9	325.7	275.8	244.3	228.5	228.5
37.5°	6942.4	5623.8	2413.9	562.1	446.5	349.4	278.4	236.4	210.1	194.4	191.7
40°	7023.8	5545.0	1983.2	509.6	396.6	302.1	241.7	204.9	178.6	162.9	160.2
42.5°	7226.1	5547.6	1570.8	470.2	352.0	257.4	210.1	176.0	152.3	134.0	131.3
45°	7630.6	5657.9	1205.7	428.2	304.7	223.3	181.2	149.7	126.1	110.3	107.7
47.5°	8292.5	5986.3	914.1	391.4	265.3	194.4	155.0	126.1	105.1	91.9	89.3
50°	9345.8	6579.9	719.7	346.7	223.3	168.1	131.3	105.1	86.7	73.5	70.9
52.5°	10611.9	7470.4	617.3	307.3	191.7	147.1	112.9	86.7	70.9	60.4	57.8
55°	12067.1	8534.2	570.0	267.9	162.9	126.1	91.9	70.9	57.8	49.9	44.7
57.5°	13401.5	9492.9	567.4	228.5	139.2	107.7	76.2	60.4	49.9	39.4	36.8
60°	14701.7	10294.1	533.2	189.1	120.8	89.3	65.7	49.9	42.0	34.1	31.5
62.5°	15881.1	10945.5	446.5	152.3	102.4	73.5	55.2	44.7	36.8	28.9	28.9
65°	17362.6	11775.5	341.5	123.5	84.1	60.4	47.3	39.4	34.1	26.3	26.3
67.5°	18893.9	12214.2	244.3	102.4	68.3	52.5	42.0	36.8	28.9	23.6	23.6
70°	17113.0	10320.3	176.0	84.1	57.8	44.7	36.8	34.1	28.9	23.6	21.0
72.5°	13364.7	7441.5	131.3	65.7	49.9	42.0	34.1	31.5	26.3	21.0	21.0
75°	9910.6	4339.3	99.8	52.5	39.4	34.1	34.1	31.5	26.3	21.0	18.4
77.5°	5387.4	1513.0	76.2	42.0	31.5	26.3	28.9	28.9	23.6	18.4	15.8
80°	1426.3	415.0	52.5	31.5	26.3	21.0	21.0	26.3	21.0	15.8	15.8
82.5°	415.0	120.8	36.8	26.3	21.0	18.4	18.4	18.4	15.8	13.1	10.5
85°	202.3	44.7	26.3	21.0	18.4	15.8	13.1	13.1	10.5	7.9	7.9
87.5°	89.3	18.4	21.0	18.4	18.4	13.1	10.5	7.9	7.9	5.3	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)