

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: P640506

Luminaire Tested: GWS-SA5E-722-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640506  
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-SA5E-722-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

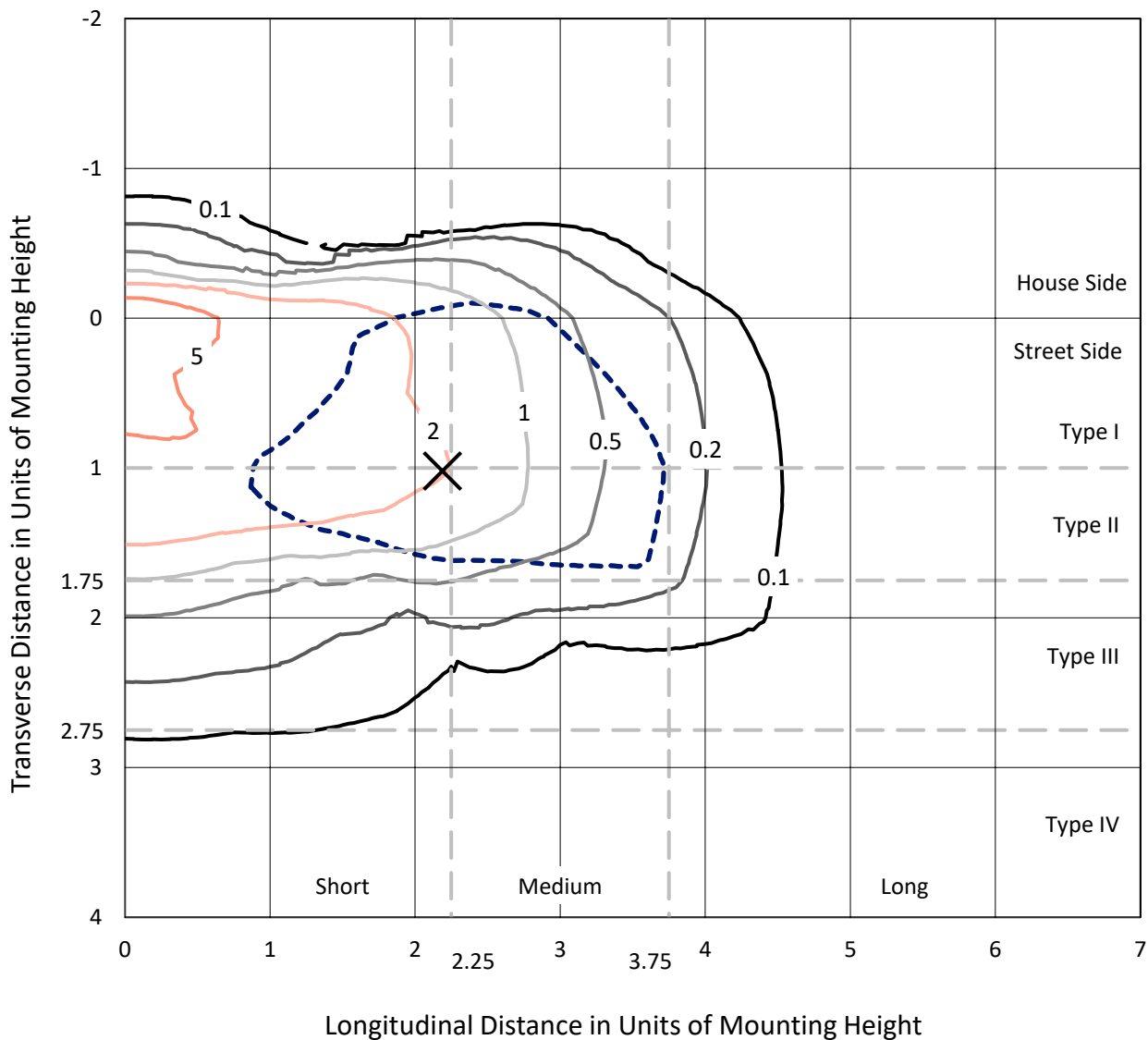
Lumens per Lamp: N/A  
Luminaire Lumens: 21920.4 lumens  
Efficiency: N/A  
Efficacy: 81.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P640506  
 CATALOG NUMBER: GWS-SA5E-722-U-SL2-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

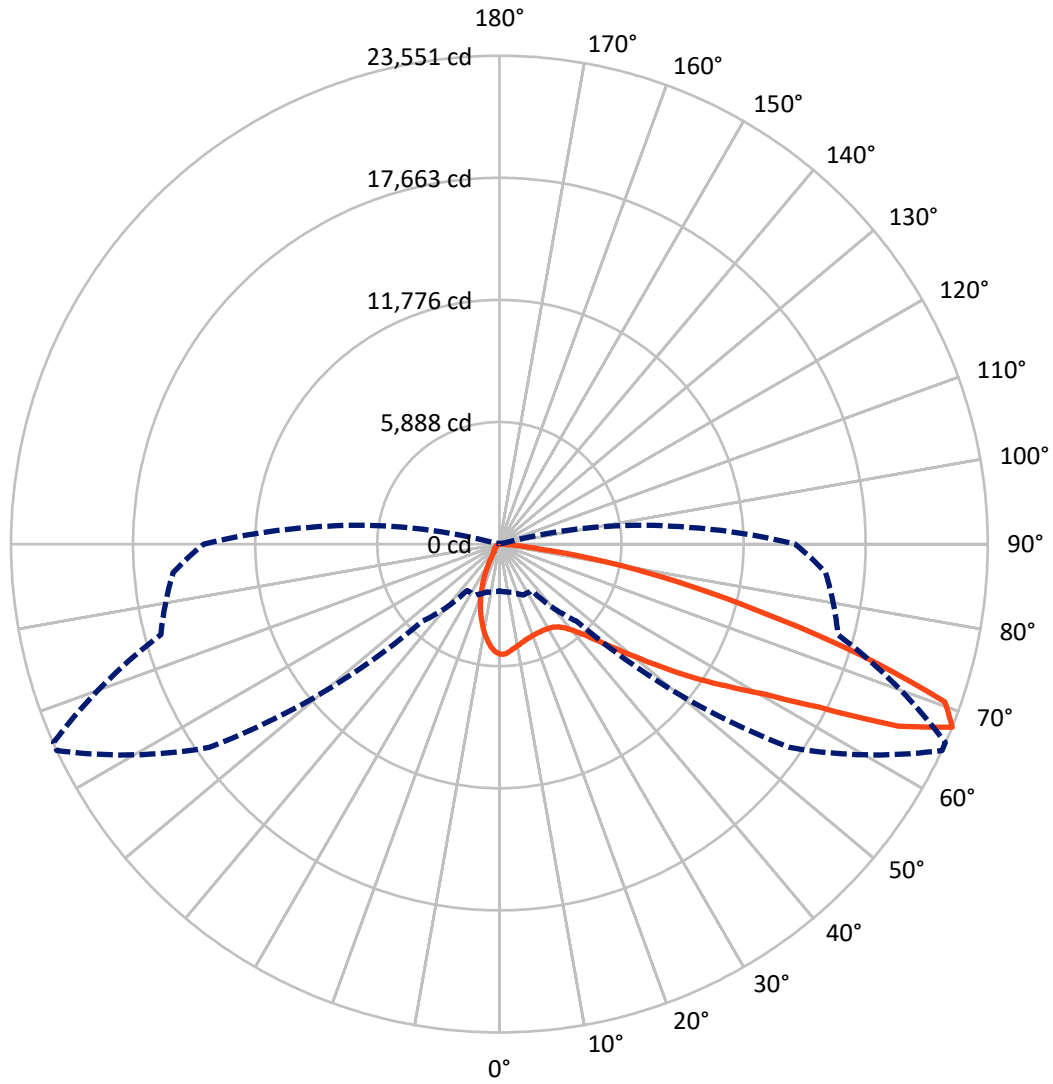
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
 Type II - Short - N/A

REPORT NUMBER: P640506  
CATALOG NUMBER: GWS-SA5E-722-U-SL2-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P640506  
 CATALOG NUMBER: GWS-SA5E-722-U-SL2-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2737.2	0.0	2737.2
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	19183.2	0.0	19183.2
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	21920.4	0.0	21920.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	441.6	2.0
10°-20°	992.6	4.5
20°-30°	1418.4	6.5
30°-40°	2063.5	9.4
40°-50°	3231.8	14.7
50°-60°	5041.7	23.0
60°-70°	5538.1	25.3
70°-80°	2947.3	13.4
80°-90°	245.4	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°	21920.4	100.0
0°-180°	21920.4	100.0

**Coefficient of Utilization**

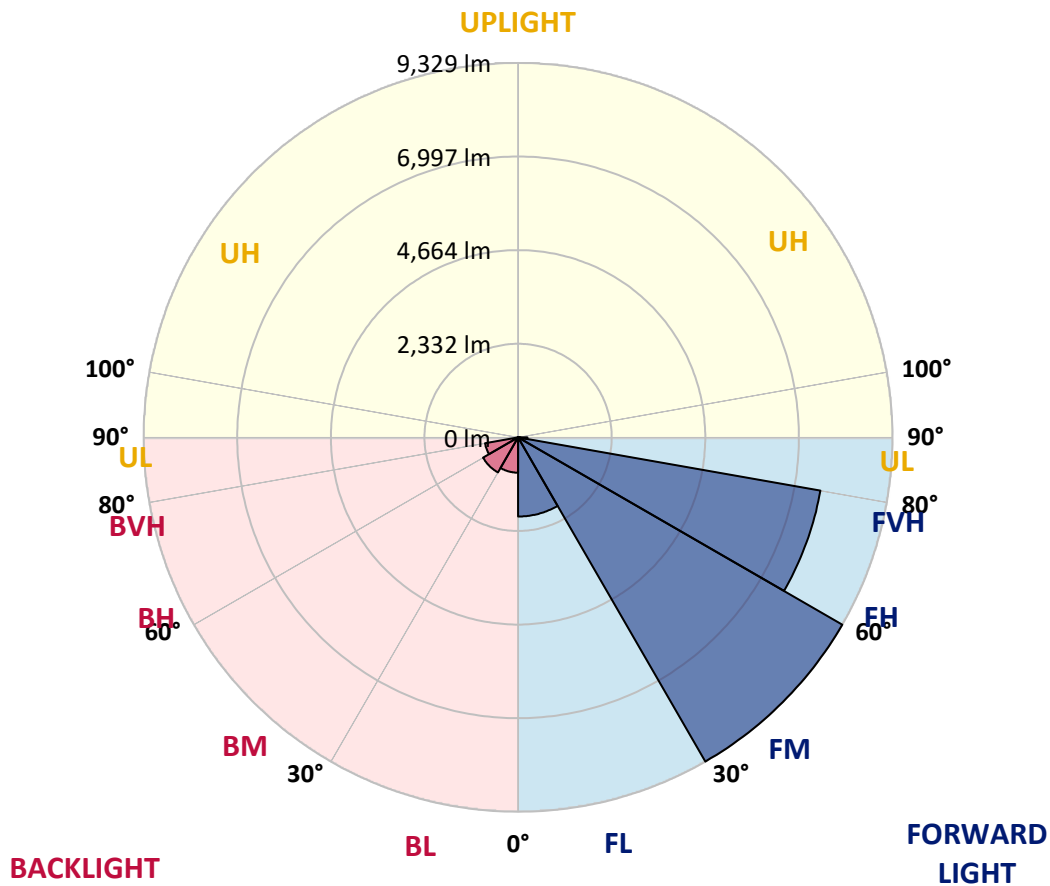


REPORT NUMBER: P640506  
 CATALOG NUMBER: GWS-SA5E-722-U-SL2-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1972.7	9.0			
FM (30°-60°)	9328.9	42.6			
FH (60°-80°)	7649.4	34.9			G4/12000
FVH (80°-90°)	232.3	1.1			G3/500
BL (0°-30°)	879.8	4.0	B2/1000		
BM (30°-60°)	1008.2	4.6	B2/2500		
BH (60°-80°)	836.1	3.8	B2/1000		G2/1000
BVH (80°-90°)	13.1	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 II Short





REPORT NUMBER: P640506

CATALOG NUMBER: GWS-SA5E-722-U-SL2-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5316.4	5316.4	5316.4	5316.4	5316.4	5316.4	5316.4	5316.4	5316.4	5316.4	5316.4
2.5°	5132.0	5147.9	5126.1	5179.6	5189.5	5249.0	5282.7	5306.5	5304.5	5334.2	5334.2
5°	4830.7	4846.6	4834.7	4892.2	4937.8	5030.9	5108.3	5197.5	5201.4	5292.6	5326.3
7.5°	4575.0	4577.0	4577.0	4648.4	4707.8	4822.8	4937.8	5074.6	5090.4	5231.2	5320.4
10°	4364.9	4370.9	4372.8	4454.1	4519.5	4658.3	4805.0	4969.5	4987.3	5177.6	5316.4
12.5°	4220.2	4222.2	4230.1	4315.4	4386.7	4531.4	4680.1	4868.4	4892.2	5116.2	5298.5
15°	4150.8	4146.9	4150.8	4222.2	4293.5	4432.3	4584.9	4787.1	4812.9	5064.6	5300.5
17.5°	4146.9	4140.9	4137.0	4190.5	4236.1	4359.0	4513.6	4733.6	4761.4	5040.9	5322.3
20°	4204.3	4200.4	4180.6	4204.3	4214.3	4315.4	4468.0	4692.0	4719.7	5036.9	5369.9
22.5°	4355.0	4345.1	4315.4	4293.5	4240.0	4299.5	4436.3	4662.2	4694.0	5046.8	5431.4
25°	4579.0	4575.0	4537.4	4483.8	4347.1	4323.3	4438.3	4662.2	4692.0	5058.7	5496.8
27.5°	4916.0	4892.2	4844.6	4751.4	4555.2	4416.4	4477.9	4674.1	4703.9	5074.6	5550.3
30°	5258.9	5256.9	5241.1	5145.9	4854.5	4594.8	4561.2	4705.9	4733.6	5088.4	5599.8
32.5°	5613.7	5619.7	5659.3	5586.0	5266.8	4860.5	4711.8	4771.3	4791.1	5116.2	5643.5
35°	5950.7	5962.6	6067.7	6093.4	5768.3	5262.9	4957.6	4902.1	4904.1	5177.6	5700.9
37.5°	6273.8	6313.5	6481.9	6606.8	6392.7	5750.5	5312.4	5124.1	5108.3	5300.5	5788.2
40°	6640.5	6715.9	6928.0	7140.1	7072.7	6394.7	5796.1	5465.1	5431.4	5526.5	5944.8
42.5°	7046.9	7128.2	7409.6	7707.0	7738.7	7173.8	6400.7	5962.6	5905.1	5907.1	6238.1
45°	7483.0	7592.0	7919.1	8347.2	8539.5	8042.0	7146.0	6634.6	6577.1	6491.9	6709.9
47.5°	8055.9	8151.0	8466.2	8959.8	9328.5	8973.6	8123.2	7498.8	7393.8	7268.9	7443.3
50°	8549.4	8632.7	8904.3	9522.7	10289.8	10174.9	9231.3	8579.2	8478.1	8266.0	8410.7
52.5°	8658.5	8723.9	8973.6	9669.4	11025.3	11691.3	10589.2	9885.5	9814.1	9421.6	9477.1
55°	8168.8	8268.0	8491.9	9265.0	11217.5	13174.0	12351.4	11358.3	11209.6	10583.2	10682.3
57.5°	6931.9	7108.3	7318.5	8323.5	10696.2	13963.0	14813.3	12918.3	12783.5	11701.2	11703.2
60°	5080.5	5223.2	5364.0	6283.7	9459.3	13909.4	17047.3	14670.6	14424.8	12615.0	12581.3
62.5°	3694.9	3768.3	3766.3	4093.3	6495.8	12993.6	18220.8	17311.0	16738.1	13592.3	13400.0
65°	2906.0	2904.0	2989.2	3096.3	3627.5	10030.2	18365.5	21166.4	20548.0	14902.5	14502.1
67.5°	2261.7	2305.4	2390.6	2705.8	2725.6	5249.0	17092.9	23551.1	23539.2	16902.6	15792.6
70°	1744.4	1803.8	1924.8	2384.6	2517.5	2937.7	12789.5	22795.8	22988.1	17796.6	14878.7
72.5°	1120.0	1116.0	1294.4	1926.7	2418.3	2448.1	7072.7	18107.8	18325.9	16119.6	12030.3
75°	626.4	630.4	731.4	1179.4	2253.8	2303.4	3502.6	12912.4	13084.8	12567.4	9243.2
77.5°	245.8	253.7	342.9	620.4	1486.7	2057.6	2081.4	8805.1	8830.9	7788.3	5669.2
80°	99.1	105.1	174.4	384.6	905.9	1385.6	1486.7	5187.5	5082.5	3015.0	1649.2
82.5°	29.7	31.7	69.4	218.0	473.8	985.2	1003.0	1990.2	1879.2	648.2	420.2
85°	2.0	2.0	15.9	67.4	168.5	247.8	668.0	648.2	574.9	162.5	186.3
87.5°	0.0	0.0	2.0	2.0	4.0	7.9	71.4	118.9	120.9	29.7	83.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P640506

CATALOG NUMBER: GWS-SA5E-722-U-SL2-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5316.4	5316.4	5316.4	5316.4	5316.4	5316.4	5316.4	5316.4	5316.4	5316.4	5316.4
2.5°	5334.2	5262.9	5256.9	5201.4	5145.9	5076.5	4995.3	4935.8	4894.2	4820.8	4806.9
5°	5326.3	5231.2	5141.9	4983.4	4806.9	4616.7	4450.1	4295.5	4198.4	4133.0	4105.2
7.5°	5310.4	5189.5	4983.4	4684.1	4388.7	4055.7	3796.0	3558.1	3395.6	3300.4	3258.8
10°	5298.5	5136.0	4801.0	4347.1	3889.2	3429.3	3034.8	2682.0	2485.7	2331.1	2305.4
12.5°	5274.8	5058.7	4567.1	3952.6	3361.9	2751.4	2247.9	1815.7	1516.4	1381.6	1334.1
15°	5251.0	4977.4	4333.2	3536.3	2787.0	2033.8	1423.3	1007.0	800.8	737.4	733.4
17.5°	5247.0	4904.1	4079.5	3141.9	2184.4	1332.1	810.7	652.2	608.5	592.7	592.7
20°	5258.9	4842.6	3829.7	2687.9	1591.7	810.7	604.6	564.9	539.2	525.3	525.3
22.5°	5270.8	4779.2	3589.9	2230.0	1056.5	592.7	533.2	499.5	469.8	453.9	446.0
25°	5278.7	4709.8	3324.2	1770.1	689.8	515.4	467.8	424.2	388.5	368.7	368.7
27.5°	5276.7	4626.6	3056.6	1320.2	535.2	457.9	400.4	354.8	319.1	297.3	299.3
30°	5260.9	4535.4	2779.1	921.7	467.8	400.4	342.9	295.4	259.7	241.8	239.9
32.5°	5249.0	4438.3	2458.0	648.2	420.2	350.9	291.4	245.8	216.1	202.2	200.2
35°	5235.1	4343.1	2152.7	493.6	378.6	303.3	245.8	208.1	184.3	172.5	172.5
37.5°	5239.1	4244.0	1821.7	424.2	337.0	263.6	210.1	178.4	158.6	146.7	144.7
40°	5300.5	4184.5	1496.6	384.6	299.3	228.0	182.4	154.6	134.8	122.9	120.9
42.5°	5453.2	4186.5	1185.4	354.8	265.6	194.3	158.6	132.8	115.0	101.1	99.1
45°	5758.4	4269.8	909.9	323.1	229.9	168.5	136.8	113.0	95.1	83.3	81.3
47.5°	6258.0	4517.5	689.8	295.4	200.2	146.7	117.0	95.1	79.3	69.4	67.4
50°	7052.8	4965.5	543.1	261.7	168.5	126.9	99.1	79.3	65.4	55.5	53.5
52.5°	8008.3	5637.5	465.8	231.9	144.7	111.0	85.2	65.4	53.5	45.6	43.6
55°	9106.4	6440.3	430.1	202.2	122.9	95.1	69.4	53.5	43.6	37.7	33.7
57.5°	10113.4	7163.8	428.2	172.5	105.1	81.3	57.5	45.6	37.7	29.7	27.8
60°	11094.6	7768.4	402.4	142.7	91.2	67.4	49.6	37.7	31.7	25.8	23.8
62.5°	11984.7	8260.0	337.0	115.0	77.3	55.5	41.6	33.7	27.8	21.8	21.8
65°	13102.7	8886.4	257.7	93.2	63.4	45.6	35.7	29.7	25.8	19.8	19.8
67.5°	14258.3	9217.5	184.3	77.3	51.5	39.6	31.7	27.8	21.8	17.8	17.8
70°	12914.3	7788.3	132.8	63.4	43.6	33.7	27.8	25.8	21.8	17.8	15.9
72.5°	10085.7	5615.7	99.1	49.6	37.7	31.7	25.8	23.8	19.8	15.9	15.9
75°	7479.0	3274.7	75.3	39.6	29.7	25.8	25.8	23.8	19.8	15.9	13.9
77.5°	4065.6	1141.8	57.5	31.7	23.8	19.8	21.8	21.8	17.8	13.9	11.9
80°	1076.4	313.2	39.6	23.8	19.8	15.9	15.9	19.8	15.9	11.9	11.9
82.5°	313.2	91.2	27.8	19.8	15.9	13.9	13.9	13.9	11.9	9.9	7.9
85°	152.6	33.7	19.8	15.9	13.9	11.9	9.9	9.9	7.9	5.9	5.9
87.5°	67.4	13.9	15.9	13.9	13.9	9.9	7.9	5.9	5.9	4.0	2.0
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)