

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: P636275

Luminaire Tested: GWS-SA3F-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636275
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-SA3F-740-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19803.1 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

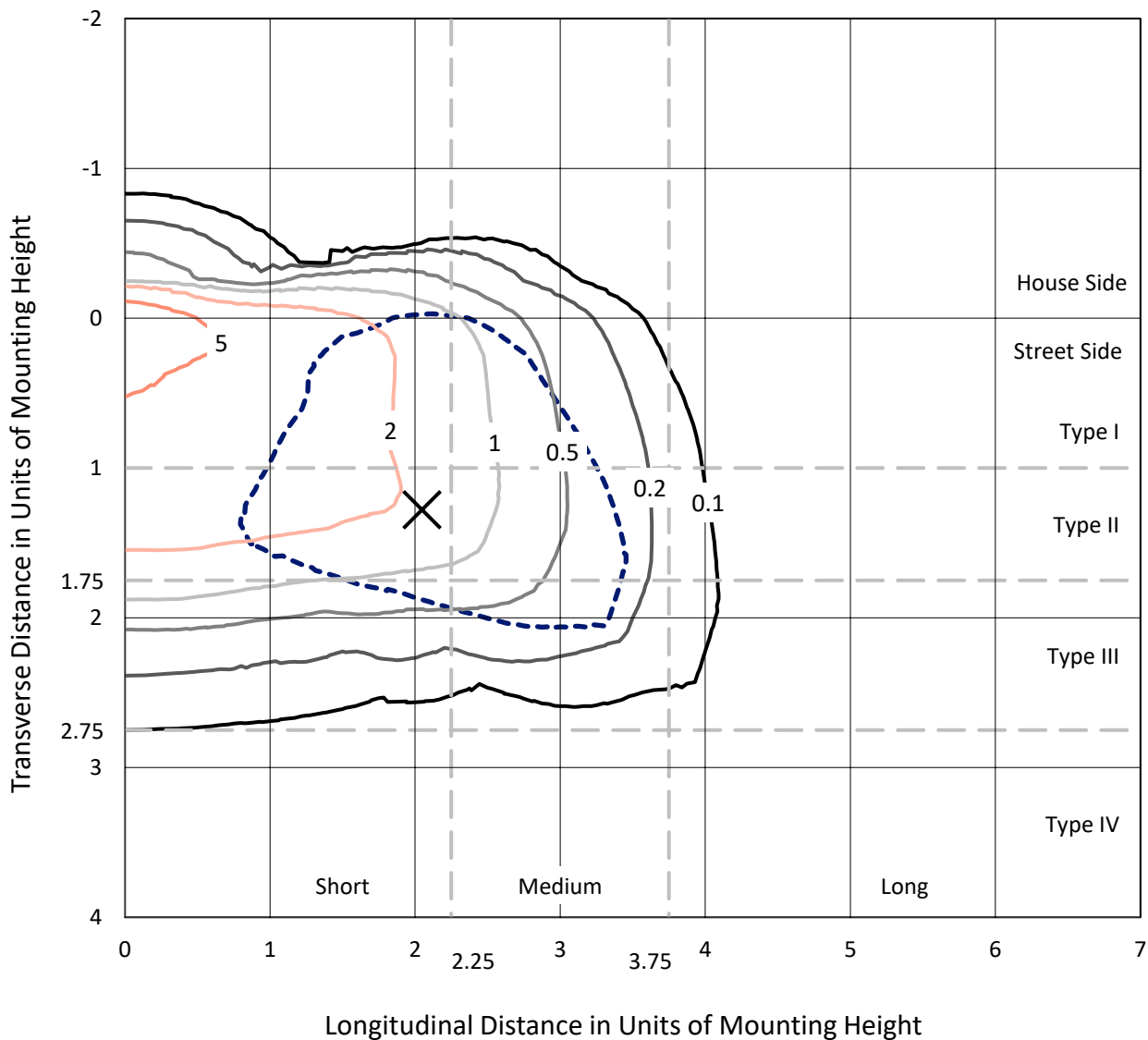
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

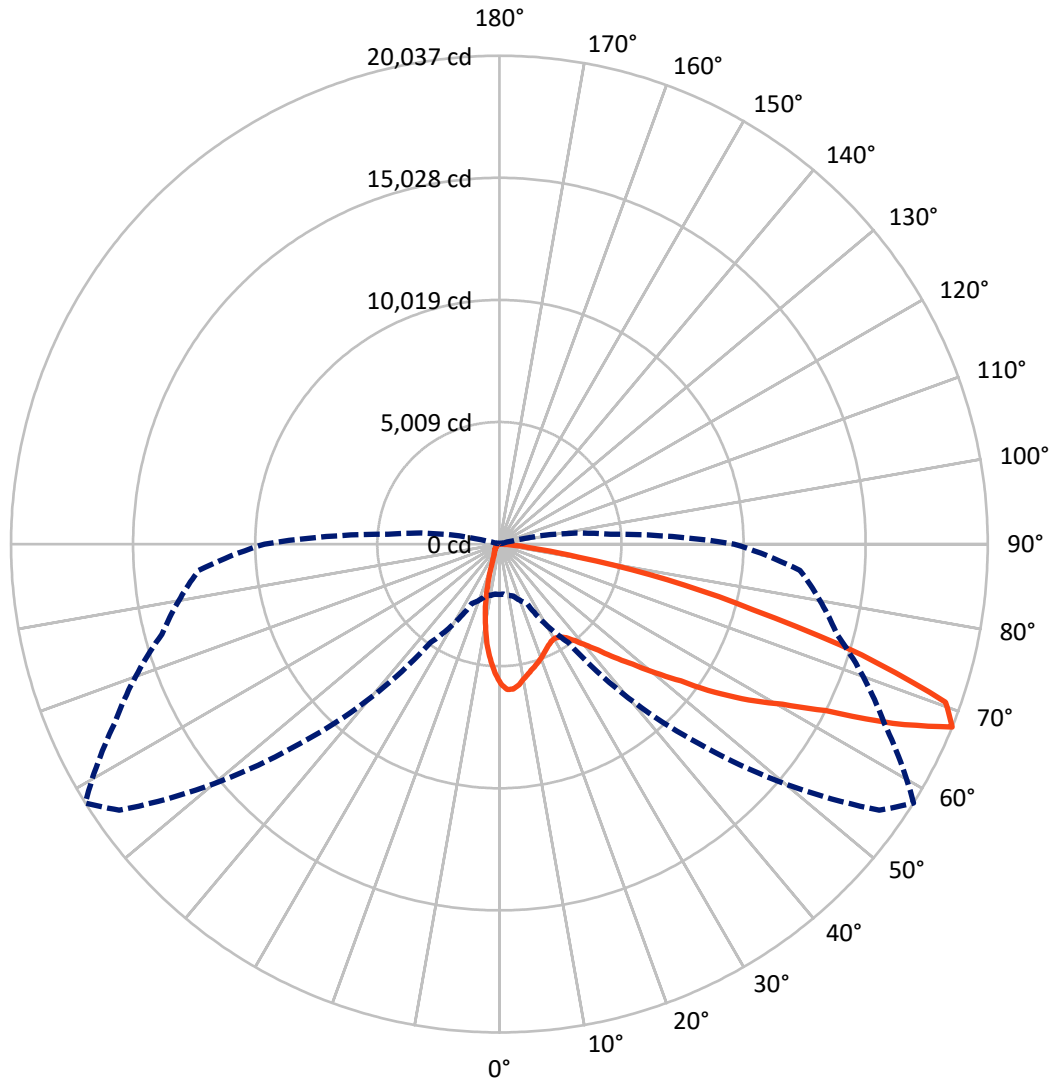
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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
House Side	Lumens	1934.6	0.0	1934.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	17868.5	0.0	17868.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	19803.1	0.0	19803.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.2	2.3
10°-20°	966.2	4.9
20°-30°	1303.0	6.6
30°-40°	1831.0	9.2
40°-50°	2827.8	14.3
50°-60°	4522.1	22.8
60°-70°	5354.5	27.0
70°-80°	2368.7	12.0
80°-90°	165.6	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°	19803.1	100.0
0°-180°	19803.1	100.0

Coefficient of Utilization

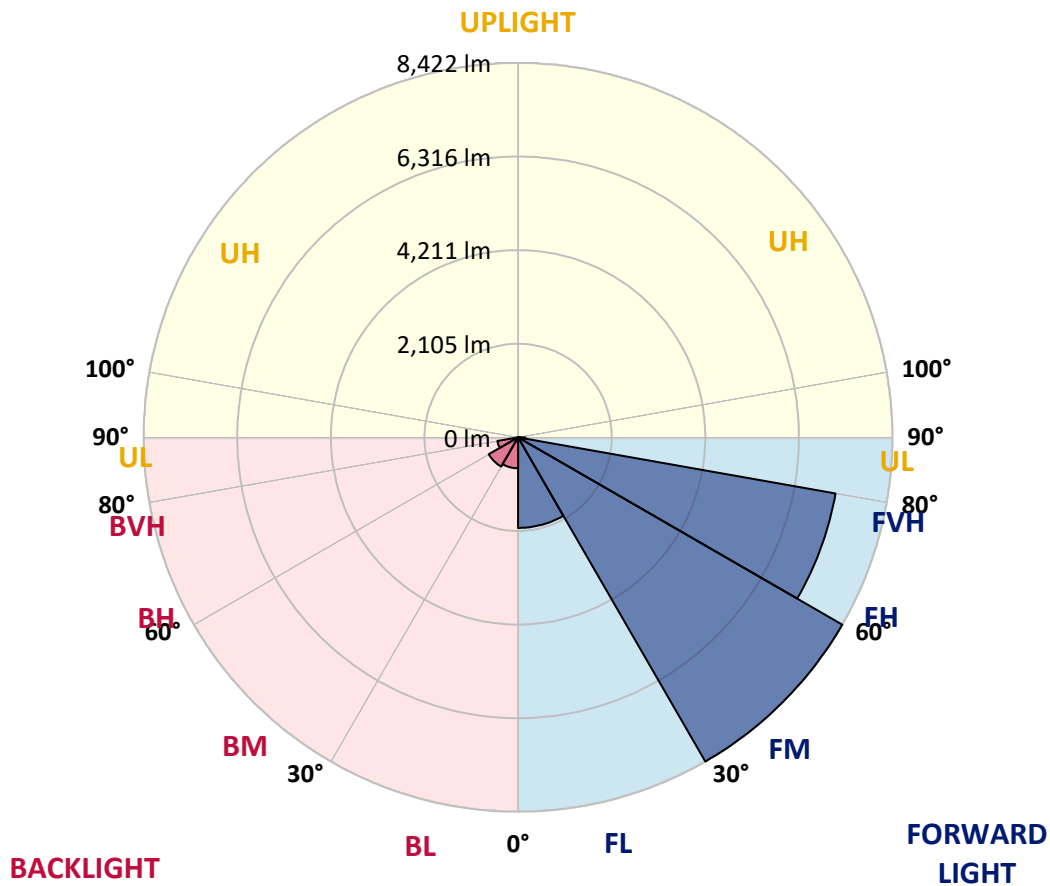


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2037.2	10.3			
FM (30°-60°)	8421.8	42.5			
FH (60°-80°)	7250.8	36.6			G3/7500
FVH (80°-90°)	158.5	0.8			G2/225
BL (0°-30°)	696.2	3.5	B2/1000		
BM (30°-60°)	759.1	3.8	B1/1000		
BH (60°-80°)	472.3	2.4	B1/500		G1/500
BVH (80°-90°)	7.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5712.1	5712.1	5712.1	5712.1	5712.1	5712.1	5712.1	5712.1	5712.1	5712.1	5712.1
2.5°	6008.4	6018.9	6032.9	6050.4	6046.9	6031.1	6011.9	5968.0	5940.0	5852.4	5745.4
5°	5815.6	5813.8	5848.9	5882.2	5941.8	5973.3	6017.1	5976.8	5962.8	5857.6	5684.1
7.5°	5438.7	5458.0	5498.3	5550.9	5636.8	5729.7	5834.8	5822.6	5864.6	5794.5	5578.9
10°	5068.9	5058.4	5121.5	5200.3	5331.8	5451.0	5603.5	5601.7	5712.1	5705.1	5459.8
12.5°	4744.6	4742.9	4792.0	4881.3	5035.6	5202.1	5408.9	5414.2	5550.9	5607.0	5358.1
15°	4471.2	4474.7	4522.0	4614.9	4774.4	4977.8	5217.9	5261.7	5415.9	5529.9	5258.2
17.5°	4276.7	4278.4	4306.5	4387.1	4543.1	4760.4	5049.6	5109.2	5307.3	5472.0	5177.6
20°	4187.3	4180.3	4185.5	4225.8	4346.8	4544.8	4877.8	4955.0	5207.4	5431.7	5103.9
22.5°	4199.5	4189.0	4164.5	4159.2	4213.6	4364.3	4695.6	4790.2	5098.7	5407.2	5037.3
25°	4308.2	4285.4	4250.4	4197.8	4176.8	4252.1	4536.1	4634.2	4997.0	5408.9	4986.5
27.5°	4474.7	4450.2	4406.4	4336.3	4253.9	4222.3	4427.4	4520.3	4925.2	5449.2	4962.0
30°	4686.8	4667.5	4625.5	4541.3	4430.9	4301.2	4404.6	4481.7	4890.1	5531.6	4972.5
32.5°	4937.4	4923.4	4888.4	4811.2	4685.0	4487.0	4481.7	4541.3	4918.2	5650.8	5012.8
35°	5179.3	5184.6	5186.3	5144.3	5009.3	4769.2	4693.8	4714.8	5033.8	5829.6	5103.9
37.5°	5440.5	5428.2	5491.3	5521.1	5391.4	5135.5	5021.6	5023.3	5254.7	6094.2	5275.7
40°	5638.5	5642.0	5778.7	5901.4	5847.1	5600.0	5437.0	5435.2	5594.7	6457.1	5552.6
42.5°	5824.3	5847.1	6048.7	6259.0	6334.4	6115.3	5997.8	5954.0	6071.5	6947.8	5968.0
45°	6022.4	6055.7	6337.9	6637.6	6835.6	6705.9	6613.0	6630.6	6644.6	7519.2	6527.2
47.5°	6253.7	6274.8	6623.6	7046.0	7415.8	7382.5	7387.8	7366.7	7359.7	8239.6	7266.8
50°	6534.2	6583.2	6984.6	7489.4	7994.2	8215.0	8288.7	8297.4	8183.5	9024.8	8032.8
52.5°	7130.1	7189.7	7533.2	7974.9	8625.2	9089.7	9389.4	9329.8	9154.5	9785.5	8872.3
55°	7832.9	7878.5	8209.8	8667.2	9396.4	10048.4	10760.0	10735.5	10306.0	10586.5	9562.9
57.5°	7899.5	7950.4	8463.9	9165.0	10386.7	11233.2	11981.7	12060.5	11431.3	11154.4	10179.8
60°	7151.1	7254.5	7955.6	8898.6	10765.3	12826.5	13320.7	13336.5	12256.8	11731.0	10933.5
62.5°	5731.4	5780.5	6486.8	7717.3	10181.6	13755.4	15366.2	15033.2	13317.2	12623.2	12127.1
65°	3004.2	3204.0	3819.2	5181.1	8257.1	13431.2	17827.0	17735.9	15224.2	13900.9	13056.1
67.5°	2061.2	2059.5	2204.9	2701.0	4923.4	11564.5	19034.6	20037.2	17429.1	14339.1	12383.0
70°	1568.7	1574.0	1703.7	2026.2	2550.2	7698.0	17709.6	19423.7	17839.3	13019.3	10015.1
72.5°	1041.1	1051.6	1267.2	1637.0	2036.7	3773.6	13762.4	15541.4	15010.4	10456.8	7049.5
75°	622.2	631.0	785.2	1190.1	1810.6	2112.0	8744.4	10744.2	10332.3	7207.2	3778.9
77.5°	255.9	262.9	403.1	741.4	1325.1	1640.6	4835.8	7030.2	6188.9	2865.7	1032.4
80°	106.9	110.4	194.6	518.8	955.2	1028.9	2240.0	3303.9	2536.2	617.0	315.5
82.5°	38.6	40.3	71.9	285.7	594.2	774.7	1130.5	1305.8	715.1	201.6	170.0
85°	1.8	1.8	17.5	96.4	226.1	219.1	646.8	625.7	236.6	84.1	101.7
87.5°	0.0	0.0	1.8	1.8	3.5	8.8	61.3	108.7	50.8	21.0	43.8
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°	5712.1	5712.1	5712.1	5712.1	5712.1	5712.1	5712.1	5712.1	5712.1	5712.1	5712.1
2.5°	5675.3	5582.4	5480.8	5386.1	5235.4	5146.0	5035.6	4986.5	4916.4	4898.9	4909.4
5°	5559.7	5400.2	5156.5	4935.7	4650.0	4420.4	4189.0	4090.9	3964.7	3880.5	3845.5
7.5°	5396.7	5188.1	4807.7	4406.4	4013.7	3594.8	3275.9	3065.5	2874.5	2769.3	2748.3
10°	5231.9	4960.2	4415.1	3840.2	3232.0	2730.8	2299.6	1980.6	1721.2	1603.7	1512.6
12.5°	5061.9	4723.6	4015.5	3265.3	2559.0	1875.4	1342.6	1032.4	846.6	773.0	785.2
15°	4905.9	4495.7	3619.4	2690.4	1801.8	1132.3	741.4	625.7	581.9	567.9	566.1
17.5°	4756.9	4280.2	3225.0	2131.3	1188.4	694.1	567.9	539.8	527.6	520.6	520.6
20°	4621.9	4073.3	2839.4	1605.5	767.7	550.4	513.5	499.5	489.0	483.8	483.8
22.5°	4495.7	3873.5	2462.6	1135.8	566.1	494.3	471.5	457.5	445.2	438.2	438.2
25°	4381.8	3693.0	2103.3	781.7	487.3	452.2	427.7	411.9	390.9	378.6	378.6
27.5°	4299.4	3531.7	1758.0	569.6	439.9	406.6	378.6	357.6	334.8	320.7	317.2
30°	4250.4	3395.0	1409.2	468.0	396.1	362.8	331.3	305.0	278.7	264.7	262.9
32.5°	4222.3	3268.8	1090.2	408.4	359.3	320.7	285.7	257.7	231.4	215.6	213.8
35°	4232.8	3170.7	816.8	368.1	324.3	283.9	245.4	217.3	194.6	180.5	177.0
37.5°	4324.0	3126.9	613.5	336.5	294.5	252.4	212.1	185.8	164.8	154.2	152.5
40°	4501.0	3135.6	482.0	312.0	269.9	220.8	182.3	157.7	142.0	133.2	131.5
42.5°	4776.2	3209.2	397.9	291.0	243.6	192.8	157.7	138.5	122.7	113.9	112.2
45°	5186.3	3361.7	347.0	266.4	215.6	166.5	136.7	119.2	105.2	94.6	92.9
47.5°	5780.5	3626.4	313.7	243.6	191.0	143.7	117.4	99.9	87.6	78.9	77.1
50°	6413.2	3943.6	285.7	220.8	170.0	124.4	99.9	82.4	71.9	63.1	61.3
52.5°	7088.0	4285.4	264.7	199.8	150.7	106.9	84.1	68.4	57.8	49.1	47.3
55°	7736.5	4629.0	240.1	185.8	127.9	91.1	70.1	56.1	45.6	38.6	38.6
57.5°	8367.5	4944.4	213.8	163.0	105.2	77.1	57.8	45.6	36.8	31.5	29.8
60°	9121.2	5380.9	184.0	138.5	87.6	64.9	47.3	36.8	29.8	24.5	24.5
62.5°	10241.2	5834.8	157.7	115.7	73.6	54.3	38.6	29.8	24.5	21.0	19.3
65°	10607.5	5589.5	133.2	94.6	59.6	43.8	31.5	26.3	21.0	19.3	17.5
67.5°	9629.5	4581.6	110.4	77.1	49.1	36.8	28.0	22.8	19.3	17.5	15.8
70°	7513.9	3251.3	85.9	57.8	40.3	29.8	24.5	21.0	17.5	15.8	15.8
72.5°	5111.0	1922.7	68.4	43.8	33.3	26.3	21.0	19.3	17.5	15.8	14.0
75°	2516.9	683.6	52.6	33.3	26.3	22.8	19.3	17.5	15.8	14.0	14.0
77.5°	678.3	189.3	40.3	26.3	21.0	17.5	17.5	17.5	15.8	12.3	12.3
80°	229.6	78.9	29.8	19.3	17.5	14.0	12.3	15.8	14.0	12.3	10.5
82.5°	126.2	38.6	21.0	15.8	12.3	10.5	10.5	10.5	10.5	8.8	8.8
85°	80.6	21.0	14.0	12.3	12.3	8.8	7.0	7.0	5.3	5.3	5.3
87.5°	36.8	12.3	12.3	10.5	10.5	8.8	5.3	3.5	1.8	1.8	1.8
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)