

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: P636385

Luminaire Tested: GWS-SA3F-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636385
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19979.2 lumens
Efficiency: N/A
Efficacy: 109.1 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

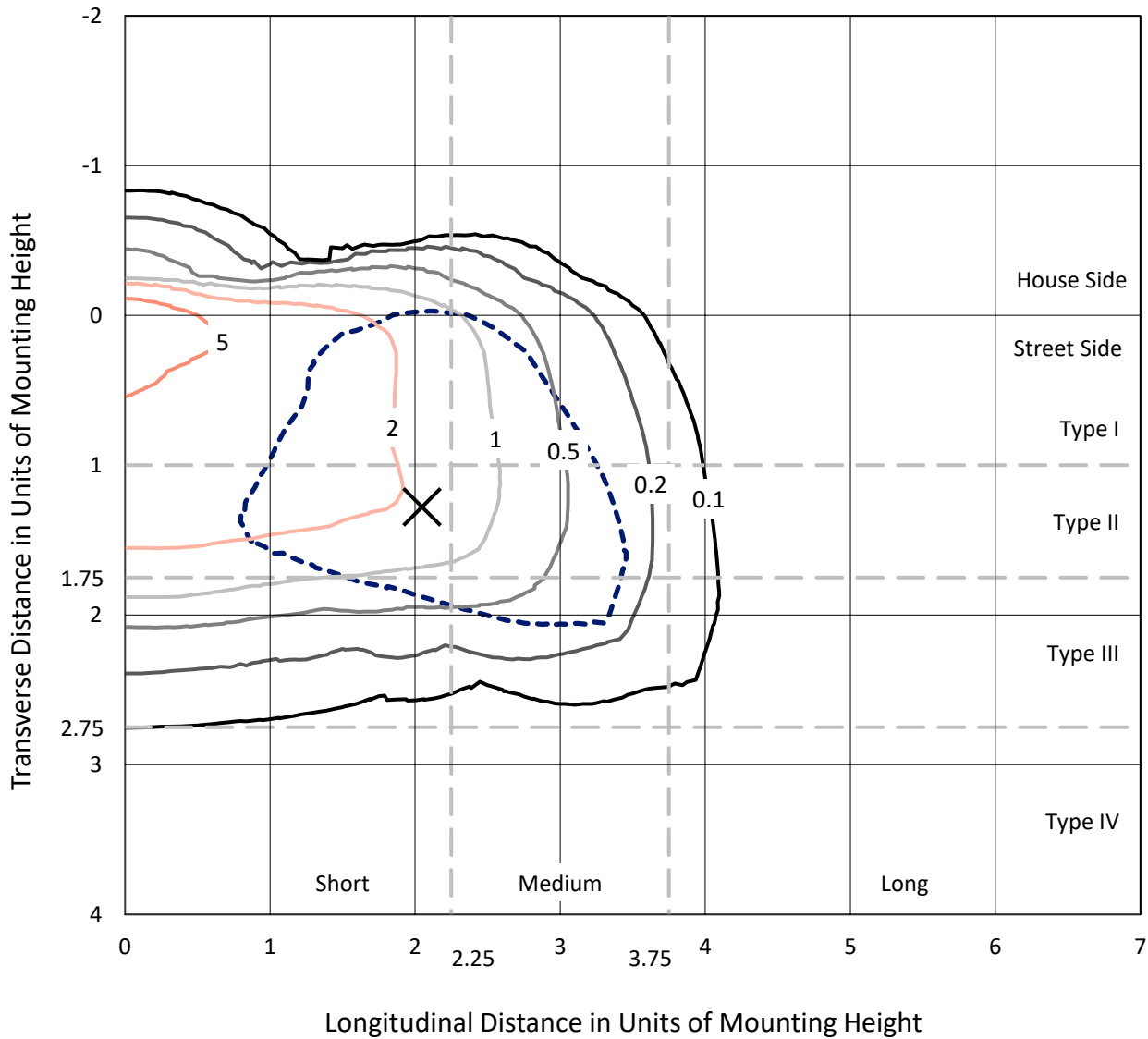
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

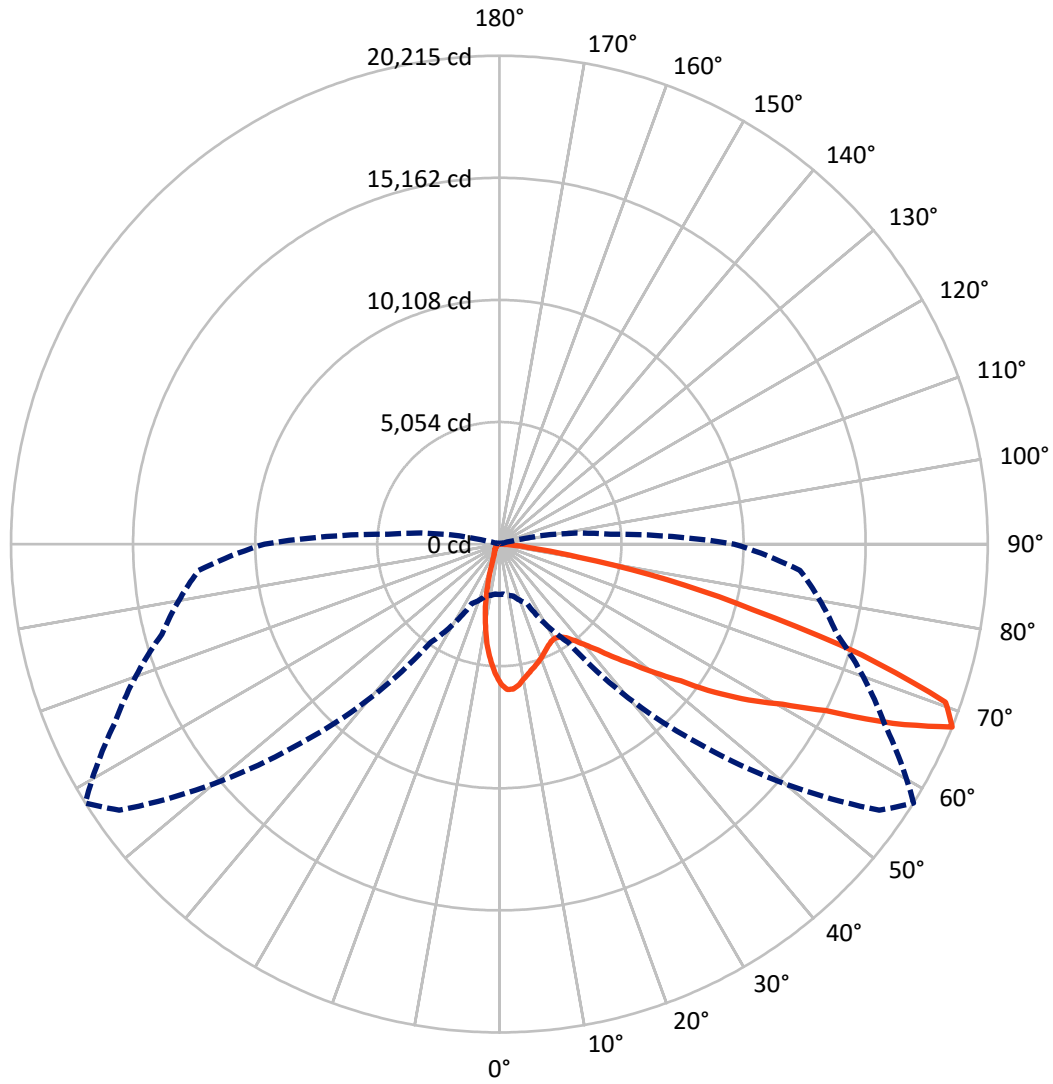
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	1951.8	0.0	1951.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	18027.4	0.0	18027.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	19979.2	0.0	19979.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.3	2.3
10°-20°	974.8	4.9
20°-30°	1314.6	6.6
30°-40°	1847.3	9.2
40°-50°	2853.0	14.3
50°-60°	4562.3	22.8
60°-70°	5402.1	27.0
70°-80°	2389.7	12.0
80°-90°	167.1	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°	19979.2	100.0
0°-180°	19979.2	100.0

Coefficient of Utilization

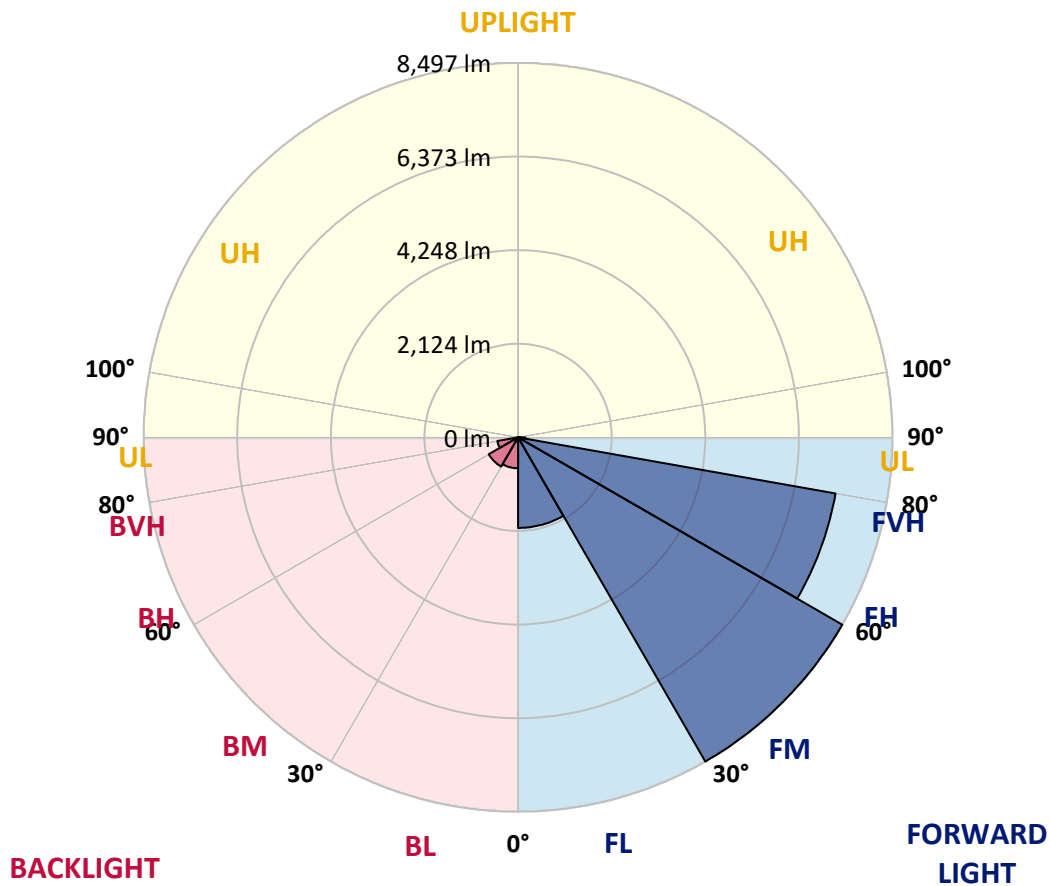


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2055.4	10.3			
FM (30°-60°)	8496.7	42.5			
FH (60°-80°)	7315.3	36.6			G3/7500
FVH (80°-90°)	160.0	0.8			G2/225
BL (0°-30°)	702.4	3.5	B2/1000		
BM (30°-60°)	765.8	3.8	B1/1000		
BH (60°-80°)	476.5	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°	5762.9	5762.9	5762.9	5762.9	5762.9	5762.9	5762.9	5762.9	5762.9	5762.9	5762.9
2.5°	6061.8	6072.4	6086.5	6104.2	6100.7	6084.8	6065.3	6021.1	5992.8	5904.4	5796.5
5°	5867.3	5865.5	5900.9	5934.5	5994.6	6026.4	6070.6	6030.0	6015.8	5909.7	5734.6
7.5°	5487.1	5506.5	5547.2	5600.3	5686.9	5780.6	5886.7	5874.3	5916.8	5846.0	5628.5
10°	5114.0	5103.4	5167.0	5246.6	5379.2	5499.5	5653.3	5651.5	5762.9	5755.9	5508.3
12.5°	4786.8	4785.1	4834.6	4924.8	5080.4	5248.4	5457.0	5462.3	5600.3	5656.8	5405.7
15°	4511.0	4514.5	4562.3	4656.0	4816.9	5022.0	5264.3	5308.5	5464.1	5579.0	5304.9
17.5°	4314.7	4316.5	4344.8	4426.1	4583.5	4802.7	5094.5	5154.6	5354.5	5520.7	5223.6
20°	4224.5	4217.4	4222.7	4263.4	4385.4	4585.2	4921.2	4999.0	5253.7	5480.0	5149.3
22.5°	4236.9	4226.3	4201.5	4196.2	4251.0	4403.1	4737.3	4832.8	5144.0	5455.3	5082.1
25°	4346.5	4323.5	4288.2	4235.1	4213.9	4289.9	4576.4	4675.4	5041.5	5457.0	5030.9
27.5°	4514.5	4489.8	4445.5	4374.8	4291.7	4259.9	4466.8	4560.5	4969.0	5497.7	5006.1
30°	4728.5	4709.0	4666.6	4581.7	4470.3	4339.4	4443.8	4521.6	4933.6	5580.8	5016.7
32.5°	4981.3	4967.2	4931.8	4854.0	4726.7	4526.9	4521.6	4581.7	4961.9	5701.0	5057.4
35°	5225.4	5230.7	5232.4	5190.0	5053.8	4811.6	4735.5	4756.8	5078.6	5881.4	5149.3
37.5°	5488.9	5476.5	5540.1	5570.2	5439.3	5181.2	5066.2	5068.0	5301.4	6148.4	5322.6
40°	5688.7	5692.2	5830.1	5953.9	5899.1	5649.8	5485.3	5483.5	5644.5	6514.5	5602.0
42.5°	5876.1	5899.1	6102.5	6314.7	6390.7	6169.7	6051.2	6007.0	6125.4	7009.6	6021.1
45°	6075.9	6109.5	6394.2	6696.6	6896.4	6765.6	6671.9	6689.5	6703.7	7586.1	6585.2
47.5°	6309.3	6330.6	6682.5	7108.6	7481.7	7448.1	7453.4	7432.2	7425.2	8312.8	7331.4
50°	6592.3	6641.8	7046.7	7556.0	8065.3	8288.1	8362.4	8371.2	8256.3	9105.1	8104.2
52.5°	7193.5	7253.6	7600.2	8045.8	8701.9	9170.5	9472.9	9412.7	9235.9	9872.5	8951.2
55°	7902.6	7948.6	8282.8	8744.3	9479.9	10137.8	10855.7	10830.9	10397.7	10680.6	9647.9
57.5°	7969.8	8021.1	8539.2	9246.5	10479.0	11333.1	12088.2	12167.8	11533.0	11253.6	10270.4
60°	7214.7	7319.1	8026.4	8977.7	10861.0	12940.5	13439.2	13455.1	12365.8	11835.3	11030.7
62.5°	5782.4	5831.9	6544.5	7785.9	10272.1	13877.7	15502.8	15166.8	13435.7	12735.4	12235.0
65°	3030.9	3232.5	3853.2	5227.1	8330.5	13550.6	17985.5	17893.6	15359.6	14024.5	13172.2
67.5°	2079.5	2077.8	2224.5	2725.0	4967.2	11667.3	19203.9	20215.4	17584.1	14466.6	12493.1
70°	1582.6	1587.9	1718.8	2044.2	2572.9	7766.4	17867.1	19596.5	17997.9	13135.0	10104.2
72.5°	1050.4	1061.0	1278.5	1651.6	2054.8	3807.2	13884.8	15679.7	15143.9	10549.8	7112.2
75°	627.8	636.6	792.2	1200.7	1826.7	2130.8	8822.1	10839.8	10424.2	7271.3	3812.5
77.5°	258.2	265.2	406.7	748.0	1336.8	1655.1	4878.8	7092.7	6243.9	2891.2	1041.5
80°	107.9	111.4	196.3	523.4	963.7	1038.0	2259.9	3333.3	2558.8	622.4	318.3
82.5°	38.9	40.7	72.5	288.2	599.5	781.6	1140.6	1317.4	721.5	203.4	171.5
85°	1.8	1.8	17.7	97.3	228.1	221.0	652.5	631.3	238.7	84.9	102.6
87.5°	0.0	0.0	1.8	1.8	3.5	8.8	61.9	109.6	51.3	21.2	44.2
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°	5762.9	5762.9	5762.9	5762.9	5762.9	5762.9	5762.9	5762.9	5762.9	5762.9	5762.9
2.5°	5725.8	5632.1	5529.5	5434.0	5282.0	5191.8	5080.4	5030.9	4960.1	4942.4	4953.1
5°	5609.1	5448.2	5202.4	4979.6	4691.3	4459.7	4226.3	4127.2	3999.9	3915.0	3879.7
7.5°	5444.6	5234.2	4850.5	4445.5	4049.4	3626.8	3305.0	3092.8	2900.0	2793.9	2772.7
10°	5278.4	5004.3	4454.4	3874.4	3260.8	2755.0	2320.0	1998.2	1736.5	1618.0	1526.1
12.5°	5106.9	4765.6	4051.2	3294.4	2581.7	1892.1	1354.5	1041.5	854.1	779.8	792.2
15°	4949.5	4535.7	3651.6	2714.4	1817.8	1142.3	748.0	631.3	587.1	572.9	571.2
17.5°	4799.2	4318.2	3253.7	2150.3	1198.9	700.3	572.9	544.6	532.3	525.2	525.2
20°	4663.0	4109.6	2864.7	1619.8	774.5	555.3	518.1	504.0	493.4	488.1	488.1
22.5°	4535.7	3908.0	2484.5	1145.9	571.2	498.7	475.7	461.5	449.2	442.1	442.1
25°	4420.8	3725.8	2122.0	788.7	491.6	456.2	431.5	415.6	394.3	382.0	382.0
27.5°	4337.7	3563.2	1773.6	574.7	443.8	410.2	382.0	360.7	337.7	323.6	320.1
30°	4288.2	3425.2	1421.7	472.1	399.6	366.0	334.2	307.7	281.2	267.0	265.2
32.5°	4259.9	3297.9	1099.9	412.0	362.5	323.6	288.2	259.9	233.4	217.5	215.7
35°	4270.5	3198.9	824.0	371.3	327.1	286.5	247.6	219.3	196.3	182.1	178.6
37.5°	4362.4	3154.7	618.9	339.5	297.1	254.6	214.0	187.4	166.2	155.6	153.8
40°	4541.0	3163.5	486.3	314.8	272.3	222.8	183.9	159.1	143.2	134.4	132.6
42.5°	4818.7	3237.8	401.4	293.5	245.8	194.5	159.1	139.7	123.8	114.9	113.2
45°	5232.4	3391.6	350.1	268.8	217.5	168.0	137.9	120.2	106.1	95.5	93.7
47.5°	5831.9	3658.6	316.5	245.8	192.7	145.0	118.5	100.8	88.4	79.6	77.8
50°	6470.3	3978.7	288.2	222.8	171.5	125.6	100.8	83.1	72.5	63.7	61.9
52.5°	7151.1	4323.5	267.0	201.6	152.1	107.9	84.9	69.0	58.4	49.5	47.7
55°	7805.3	4670.1	242.3	187.4	129.1	92.0	70.7	56.6	46.0	38.9	38.9
57.5°	8441.9	4988.4	215.7	164.5	106.1	77.8	58.4	46.0	37.1	31.8	30.1
60°	9202.3	5428.7	185.7	139.7	88.4	65.4	47.7	37.1	30.1	24.8	24.8
62.5°	10332.3	5886.7	159.1	116.7	74.3	54.8	38.9	30.1	24.8	21.2	19.5
65°	10701.8	5639.2	134.4	95.5	60.1	44.2	31.8	26.5	21.2	19.5	17.7
67.5°	9715.1	4622.4	111.4	77.8	49.5	37.1	28.3	23.0	19.5	17.7	15.9
70°	7580.8	3280.2	86.6	58.4	40.7	30.1	24.8	21.2	17.7	15.9	15.9
72.5°	5156.4	1939.8	69.0	44.2	33.6	26.5	21.2	19.5	17.7	15.9	14.1
75°	2539.3	689.6	53.0	33.6	26.5	23.0	19.5	17.7	15.9	14.1	14.1
77.5°	684.3	191.0	40.7	26.5	21.2	17.7	17.7	17.7	15.9	12.4	12.4
80°	231.6	79.6	30.1	19.5	17.7	14.1	12.4	15.9	14.1	12.4	10.6
82.5°	127.3	38.9	21.2	15.9	12.4	10.6	10.6	10.6	10.6	8.8	8.8
85°	81.3	21.2	14.1	12.4	12.4	8.8	7.1	7.1	5.3	5.3	5.3
87.5°	37.1	12.4	12.4	10.6	10.6	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)