

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: P636330

Luminaire Tested: GWS-SA3F-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636330
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20256.9 lumens
Efficiency: N/A
Efficacy: 110.6 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

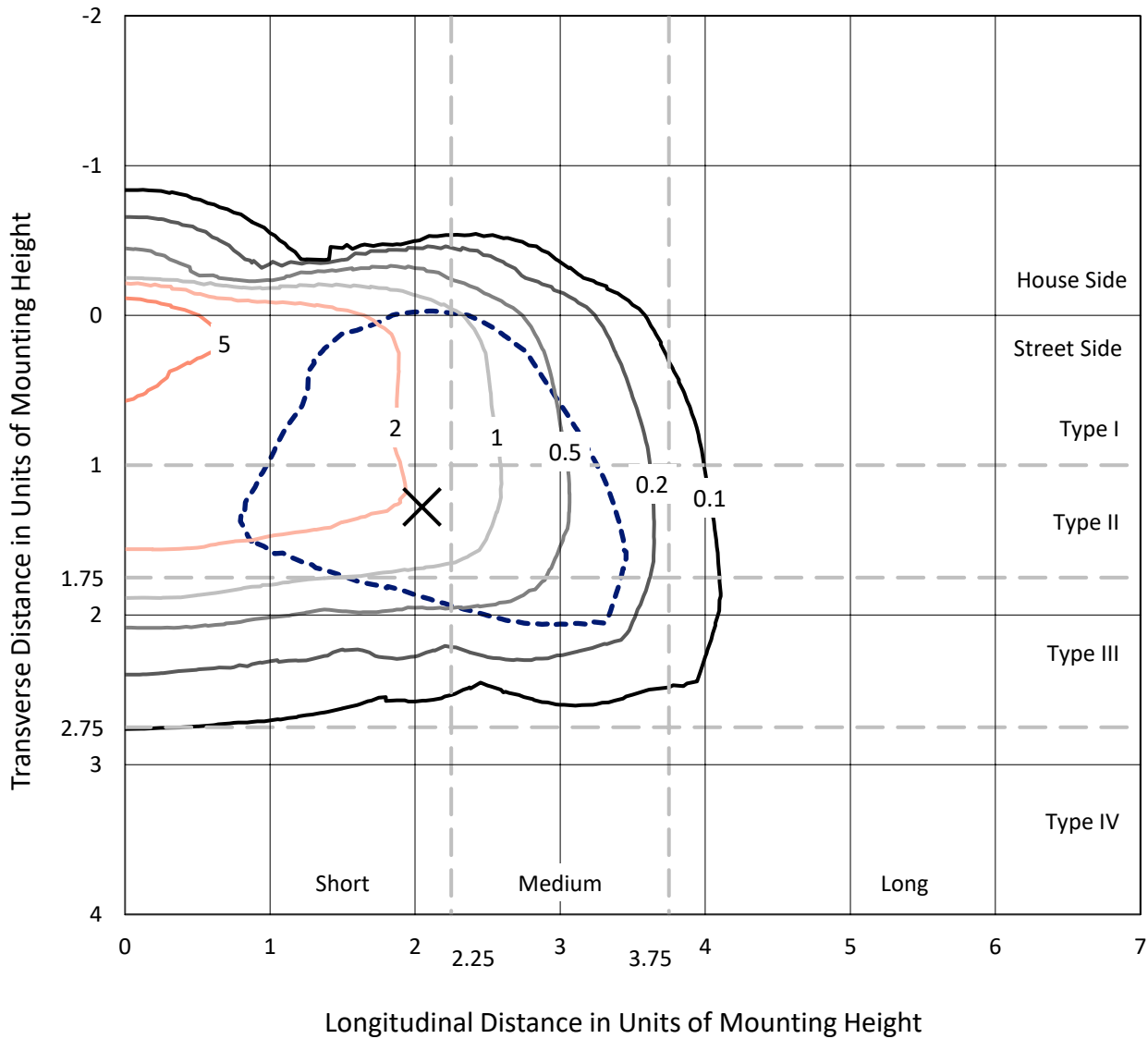
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636330
 CATALOG NUMBER: GWS-SA3F-750-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

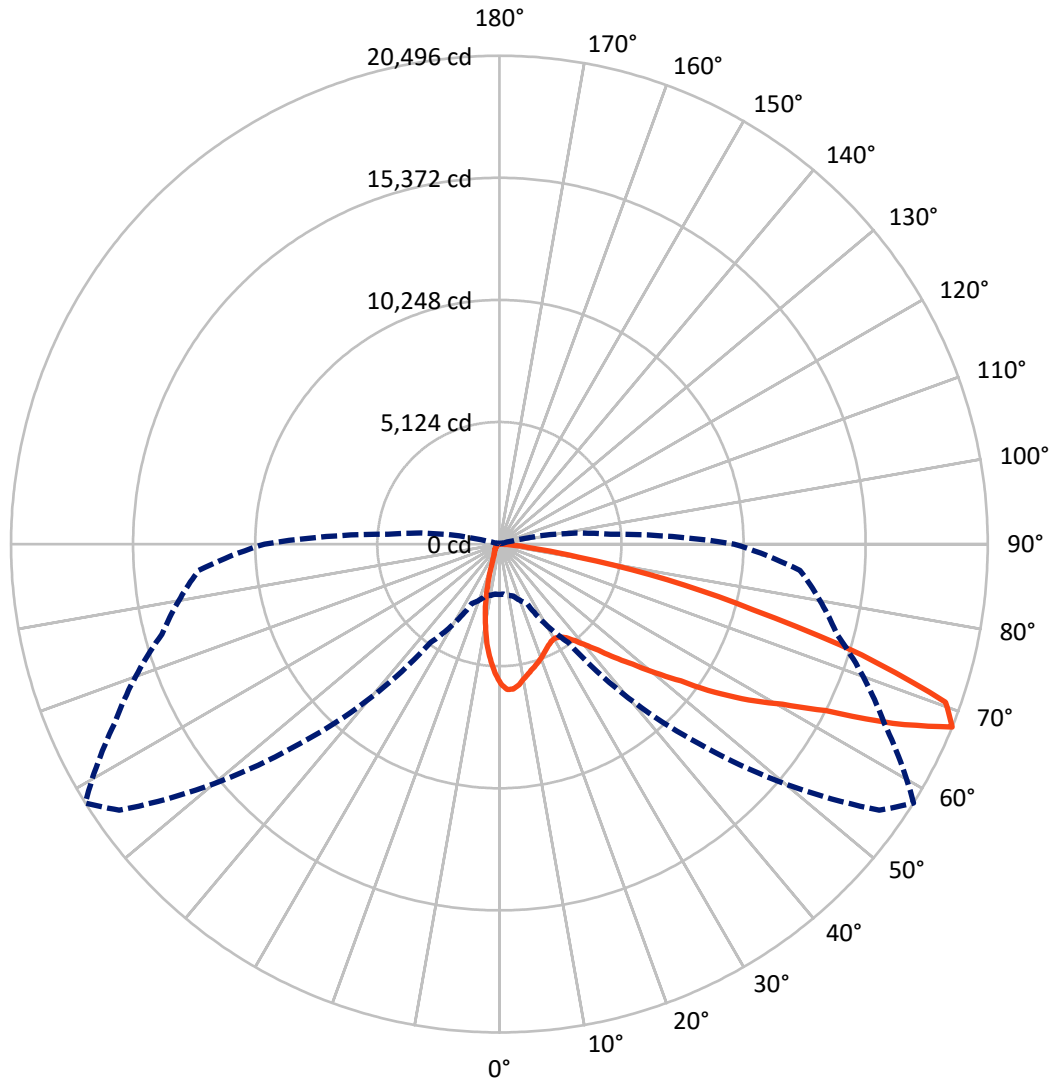
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Short - N/A

REPORT NUMBER: P636330
CATALOG NUMBER: GWS-SA3F-750-U-SL3-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636330
 CATALOG NUMBER: GWS-SA3F-750-U-SL3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1979.0	0.0	1979.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	18277.9	0.0	18277.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	20256.9	0.0	20256.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.8	2.3
10°-20°	988.4	4.9
20°-30°	1332.9	6.6
30°-40°	1873.0	9.2
40°-50°	2892.6	14.3
50°-60°	4625.7	22.8
60°-70°	5477.2	27.0
70°-80°	2423.0	12.0
80°-90°	169.4	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°	20256.9	100.0
0°-180°	20256.9	100.0

Coefficient of Utilization



REPORT NUMBER: P636330

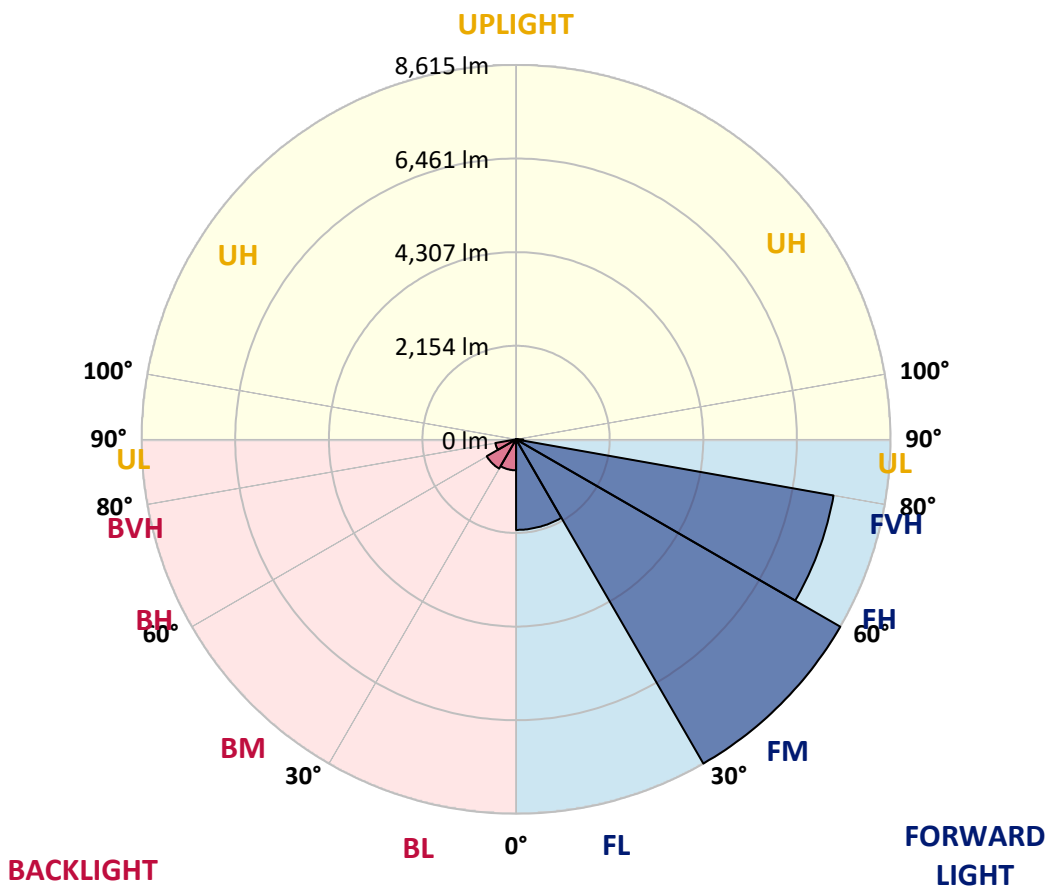
CATALOG NUMBER: GWS-SA3F-750-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2083.9	10.3			
FM (30°-60°)	8614.8	42.5			
FH (60°-80°)	7417.0	36.6			G3/7500
FVH (80°-90°)	162.2	0.8			G2/225
BL (0°-30°)	712.1	3.5	B2/1000		
BM (30°-60°)	776.5	3.8	B1/1000		
BH (60°-80°)	483.1	2.4	B1/500		G1/500
BVH (80°-90°)	7.2	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





REPORT NUMBER: P636330

CATALOG NUMBER: GWS-SA3F-750-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5843.0	5843.0	5843.0	5843.0	5843.0	5843.0	5843.0	5843.0	5843.0	5843.0	5843.0
2.5°	6146.0	6156.8	6171.1	6189.1	6185.5	6169.3	6149.6	6104.8	6076.1	5986.5	5877.1
5°	5948.8	5947.0	5982.9	6017.0	6077.9	6110.2	6155.0	6113.8	6099.4	5991.9	5814.4
7.5°	5563.3	5583.1	5624.3	5678.1	5765.9	5861.0	5968.5	5956.0	5999.0	5927.3	5706.8
10°	5185.0	5174.3	5238.8	5319.5	5454.0	5575.9	5731.9	5730.1	5843.0	5835.9	5584.9
12.5°	4853.4	4851.6	4901.8	4993.2	5151.0	5321.3	5532.9	5538.2	5678.1	5735.5	5480.9
15°	4573.7	4577.3	4625.7	4720.7	4883.8	5091.8	5337.4	5382.3	5540.0	5656.6	5378.7
17.5°	4374.7	4376.5	4405.1	4487.6	4647.2	4869.5	5165.3	5226.3	5428.9	5597.4	5296.2
20°	4283.2	4276.1	4281.4	4322.7	4446.4	4649.0	4989.6	5068.5	5326.7	5556.2	5220.9
22.5°	4295.8	4285.0	4259.9	4254.5	4310.1	4464.3	4803.2	4900.0	5215.5	5531.1	5152.8
25°	4406.9	4383.6	4347.8	4294.0	4272.5	4349.6	4640.0	4740.4	5111.5	5532.9	5100.8
27.5°	4577.3	4552.2	4507.3	4435.6	4351.4	4319.1	4528.8	4623.9	5038.0	5574.1	5075.7
30°	4794.2	4774.5	4731.4	4645.4	4532.4	4399.8	4505.5	4584.4	5002.2	5658.4	5086.4
32.5°	5050.6	5036.2	5000.4	4921.5	4792.4	4589.8	4584.4	4645.4	5030.9	5780.3	5127.7
35°	5298.0	5303.4	5305.2	5262.1	5124.1	4878.5	4801.4	4822.9	5149.2	5963.2	5220.9
37.5°	5565.1	5552.6	5617.1	5647.6	5514.9	5253.2	5136.6	5138.4	5375.1	6233.9	5396.6
40°	5767.7	5771.3	5911.2	6036.7	5981.1	5728.3	5561.6	5559.8	5722.9	6605.0	5679.9
42.5°	5957.8	5981.1	6187.3	6402.4	6479.5	6255.4	6135.3	6090.5	6210.6	7107.0	6104.8
45°	6160.4	6194.4	6483.1	6789.7	6992.3	6859.6	6764.6	6782.5	6796.9	7691.5	6676.7
47.5°	6397.0	6418.6	6775.3	7207.4	7585.7	7551.7	7557.0	7535.5	7528.4	8428.4	7433.3
50°	6683.9	6734.1	7144.7	7661.0	8177.4	8403.3	8478.6	8487.6	8371.0	9231.6	8216.8
52.5°	7293.5	7354.5	7705.9	8157.7	8822.8	9297.9	9604.5	9543.6	9364.3	10009.7	9075.6
55°	8012.4	8059.1	8397.9	8865.9	9611.7	10278.7	11006.6	10981.5	10542.2	10829.1	9782.0
57.5°	8080.6	8132.6	8657.9	9375.0	10624.7	11490.7	12256.2	12336.9	11693.3	11410.0	10413.1
60°	7315.0	7420.8	8137.9	9102.5	11012.0	13120.4	13626.0	13642.1	12537.7	11999.8	11184.1
62.5°	5862.8	5913.0	6635.5	7894.1	10414.9	14070.6	15718.3	15377.6	13622.4	12912.4	12405.0
65°	3073.0	3277.4	3906.7	5299.8	8446.3	13738.9	18235.5	18142.3	15573.1	14219.4	13355.3
67.5°	2108.4	2106.7	2255.5	2762.8	5036.2	11829.5	19470.8	20496.4	17828.5	14667.7	12666.8
70°	1604.6	1610.0	1742.7	2072.6	2608.7	7874.4	18115.4	19868.8	18248.1	13317.6	10244.6
72.5°	1065.0	1075.7	1296.3	1674.6	2083.3	3860.1	14077.8	15897.6	15354.3	10696.4	7211.0
75°	636.5	645.4	803.2	1217.4	1852.1	2160.4	8944.7	10990.4	10569.1	7372.4	3865.5
77.5°	261.8	268.9	412.4	758.4	1355.4	1678.1	4946.6	7191.3	6330.7	2931.4	1056.0
80°	109.4	113.0	199.0	530.7	977.1	1052.4	2291.3	3379.6	2594.3	631.1	322.7
82.5°	39.4	41.2	73.5	292.2	607.8	792.5	1156.4	1335.7	731.5	206.2	173.9
85°	1.8	1.8	17.9	98.6	231.3	224.1	661.6	640.1	242.0	86.1	104.0
87.5°	0.0	0.0	1.8	1.8	3.6	9.0	62.8	111.2	52.0	21.5	44.8
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: P636330

CATALOG NUMBER: GWS-SA3F-750-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5843.0	5843.0	5843.0	5843.0	5843.0	5843.0	5843.0	5843.0	5843.0	5843.0	5843.0
2.5°	5805.4	5710.4	5606.4	5509.6	5355.4	5263.9	5151.0	5100.8	5029.1	5011.1	5021.9
5°	5687.1	5523.9	5274.7	5048.8	4756.5	4521.7	4285.0	4184.6	4055.5	3969.5	3933.6
7.5°	5520.3	5307.0	4917.9	4507.3	4105.7	3677.2	3350.9	3135.8	2940.3	2832.8	2811.3
10°	5351.8	5073.9	4516.3	3928.2	3306.1	2793.3	2352.3	2026.0	1760.6	1640.5	1547.3
12.5°	5177.9	4831.8	4107.5	3340.2	2617.6	1918.4	1373.4	1056.0	866.0	790.7	803.2
15°	5018.3	4598.8	3702.3	2752.1	1843.1	1158.2	758.4	640.1	595.2	580.9	579.1
17.5°	4865.9	4378.2	3298.9	2180.2	1215.6	710.0	580.9	552.2	539.7	532.5	532.5
20°	4727.9	4166.7	2904.5	1642.3	785.3	563.0	525.3	511.0	500.2	494.8	494.8
22.5°	4598.8	3962.3	2519.0	1161.8	579.1	505.6	482.3	467.9	455.4	448.2	448.2
25°	4482.2	3777.6	2151.5	799.6	498.4	462.6	437.5	421.3	399.8	387.3	387.3
27.5°	4398.0	3612.7	1798.3	582.7	450.0	416.0	387.3	365.8	342.4	328.1	324.5
30°	4347.8	3472.8	1441.5	478.7	405.2	371.1	338.9	312.0	285.1	270.7	268.9
32.5°	4319.1	3343.7	1115.2	417.7	367.5	328.1	292.2	263.6	236.7	220.5	218.7
35°	4329.8	3243.3	835.5	376.5	331.7	290.4	251.0	222.3	199.0	184.7	181.1
37.5°	4423.1	3198.5	627.5	344.2	301.2	258.2	216.9	190.0	168.5	157.8	156.0
40°	4604.2	3207.5	493.0	319.1	276.1	225.9	186.5	161.4	145.2	136.3	134.5
42.5°	4885.6	3282.8	407.0	297.6	249.2	197.2	161.4	141.6	125.5	116.5	114.7
45°	5305.2	3438.8	355.0	272.5	220.5	170.3	139.8	121.9	107.6	96.8	95.0
47.5°	5913.0	3709.5	320.9	249.2	195.4	147.0	120.1	102.2	89.6	80.7	78.9
50°	6560.2	4034.0	292.2	225.9	173.9	127.3	102.2	84.3	73.5	64.5	62.8
52.5°	7250.5	4383.6	270.7	204.4	154.2	109.4	86.1	69.9	59.2	50.2	48.4
55°	7913.8	4735.0	245.6	190.0	130.9	93.2	71.7	57.4	46.6	39.4	39.4
57.5°	8559.3	5057.8	218.7	166.7	107.6	78.9	59.2	46.6	37.7	32.3	30.5
60°	9330.2	5504.2	188.3	141.6	89.6	66.3	48.4	37.7	30.5	25.1	25.1
62.5°	10475.9	5968.5	161.4	118.3	75.3	55.6	39.4	30.5	25.1	21.5	19.7
65°	10850.6	5717.5	136.3	96.8	61.0	44.8	32.3	26.9	21.5	19.7	17.9
67.5°	9850.2	4686.6	113.0	78.9	50.2	37.7	28.7	23.3	19.7	17.9	16.1
70°	7686.1	3325.8	87.9	59.2	41.2	30.5	25.1	21.5	17.9	16.1	16.1
72.5°	5228.1	1966.8	69.9	44.8	34.1	26.9	21.5	19.7	17.9	16.1	14.3
75°	2574.6	699.2	53.8	34.1	26.9	23.3	19.7	17.9	16.1	14.3	14.3
77.5°	693.8	193.6	41.2	26.9	21.5	17.9	17.9	17.9	16.1	12.6	12.6
80°	234.9	80.7	30.5	19.7	17.9	14.3	12.6	16.1	14.3	12.6	10.8
82.5°	129.1	39.4	21.5	16.1	12.6	10.8	10.8	10.8	10.8	9.0	9.0
85°	82.5	21.5	14.3	12.6	12.6	9.0	7.2	7.2	5.4	5.4	5.4
87.5°	37.7	12.6	12.6	10.8	10.8	9.0	5.4	3.6	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)