

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: P643645

Luminaire Tested: GWS-SA6F-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643645
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-SAGF-735-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39757.4 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

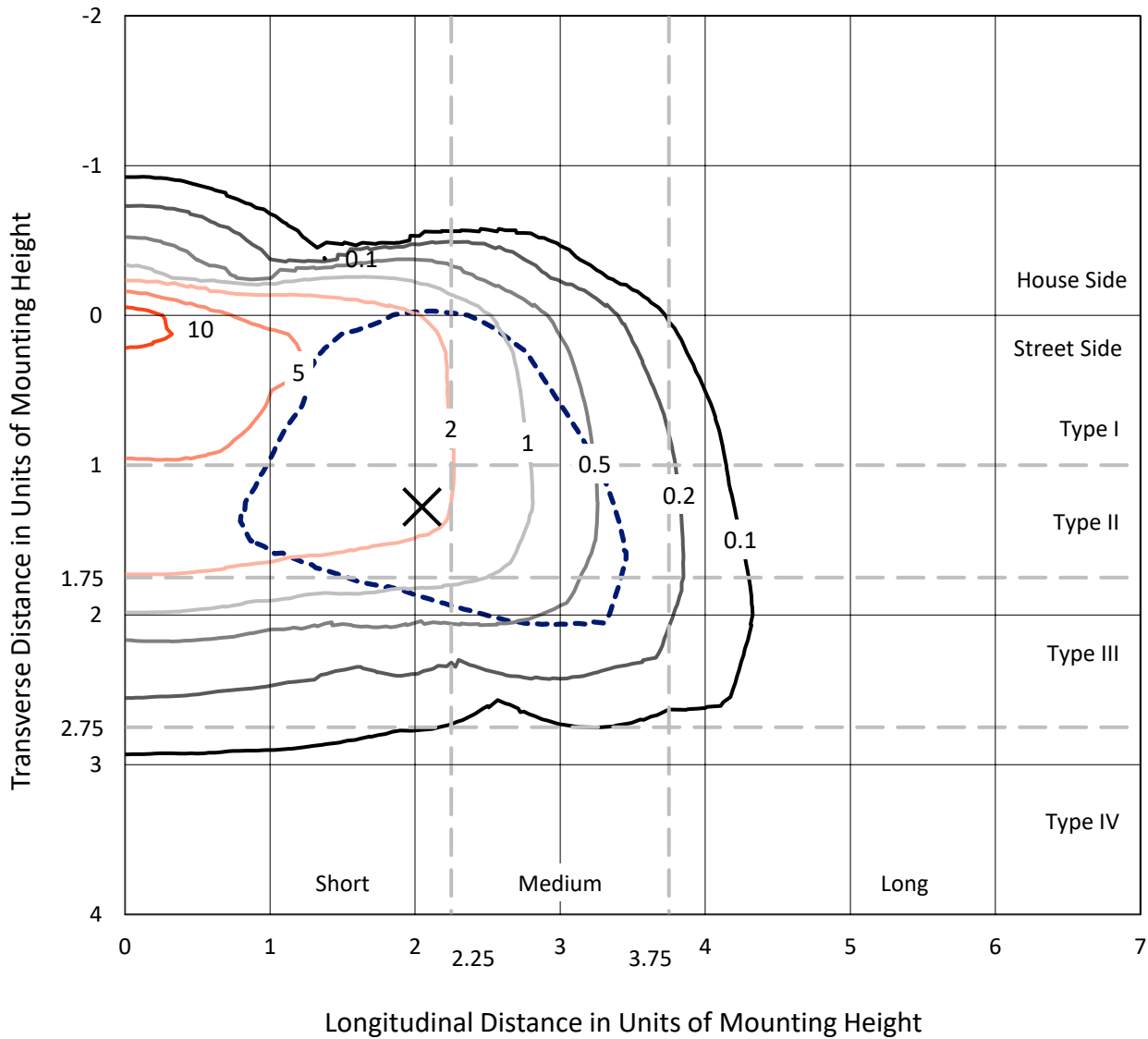
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

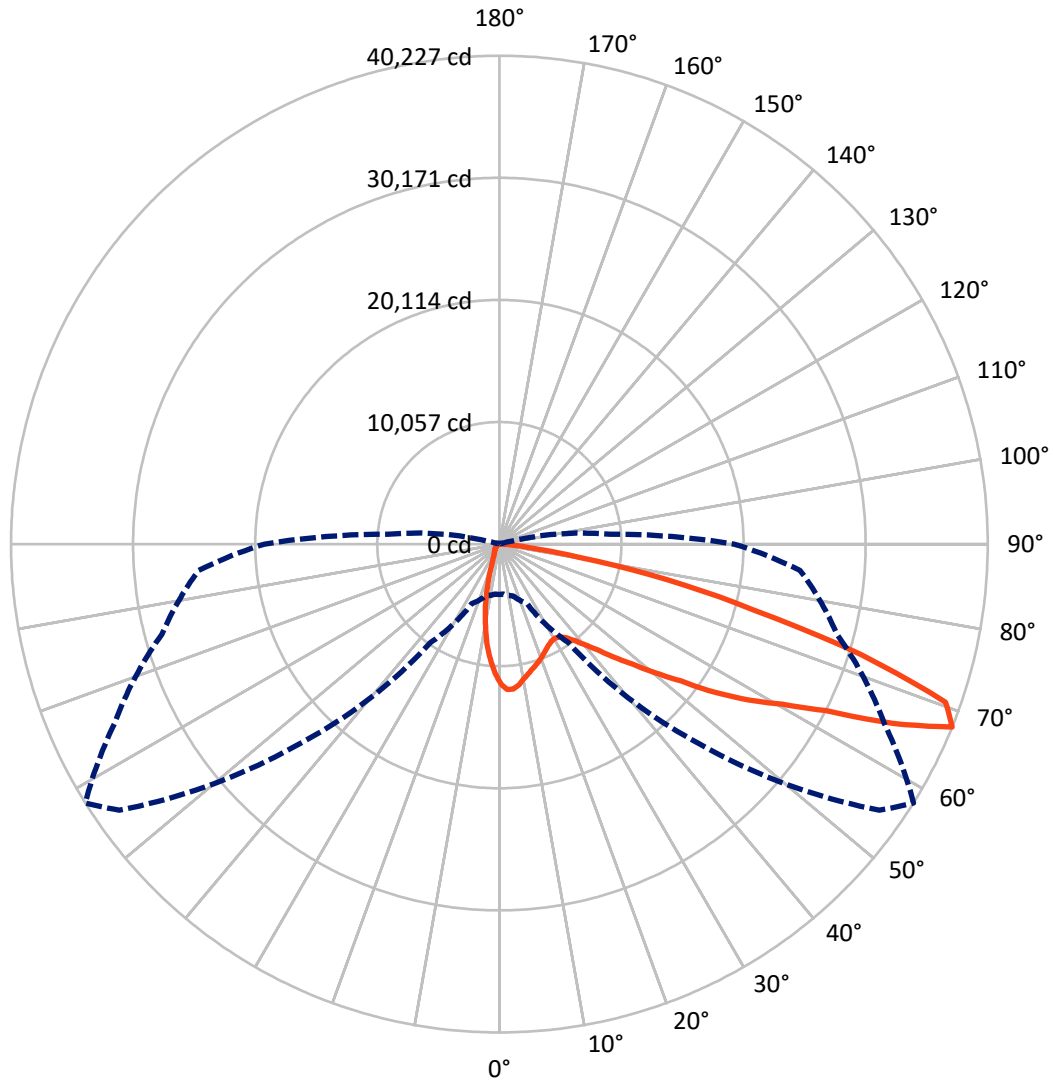
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12.7 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	3884.0	0.0	3884.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	35873.4	0.0	35873.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	39757.4	0.0	39757.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	931.9	2.3
10°-20°	1939.8	4.9
20°-30°	2616.0	6.6
30°-40°	3676.0	9.2
40°-50°	5677.3	14.3
50°-60°	9078.7	22.8
60°-70°	10749.8	27.0
70°-80°	4755.4	12.0
80°-90°	332.4	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°	39757.4	100.0
0°-180°	39757.4	100.0

Coefficient of Utilization

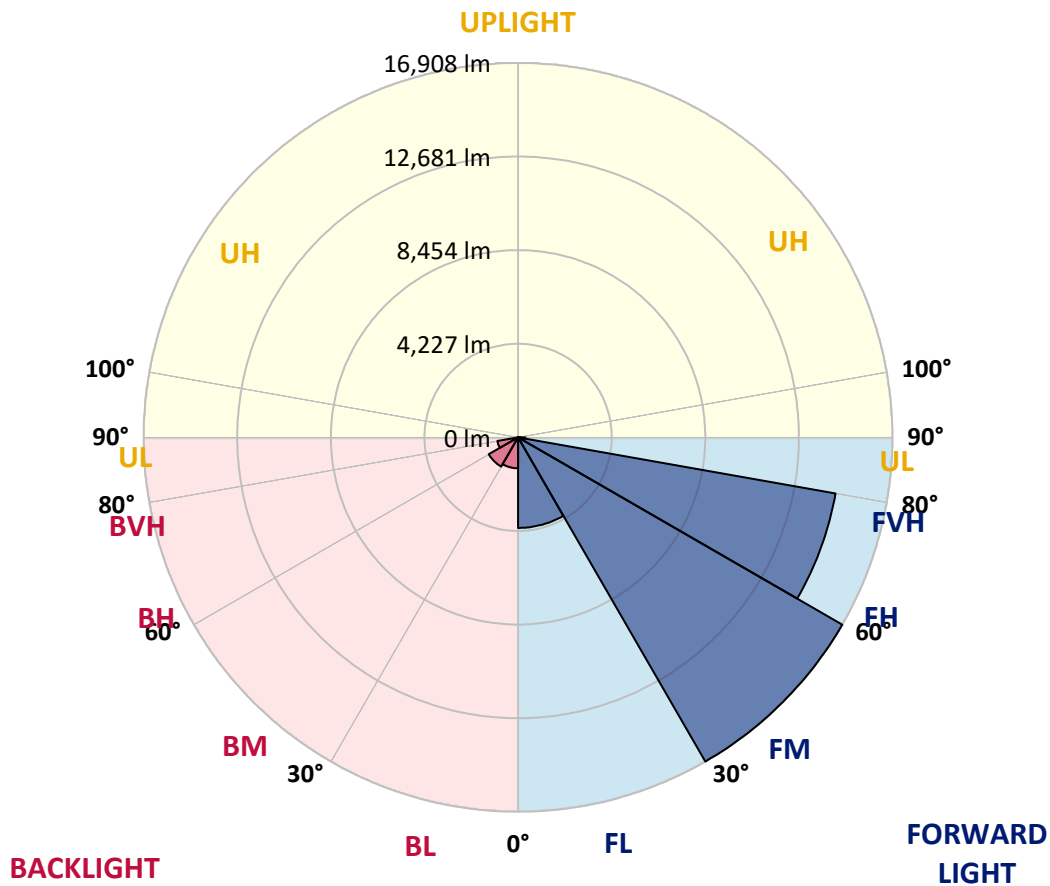


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4090.0	10.3			
FM (30°-60°)	16908.0	42.5			
FH (60°-80°)	14557.1	36.6			G5
FVH (80°-90°)	318.3	0.8			G3/500
BL (0°-30°)	1397.7	3.5	B3/2500		
BM (30°-60°)	1524.0	3.8	B2/2500		
BH (60°-80°)	948.2	2.4	B2/1000		G2/1000
BVH (80°-90°)	14.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	11467.9	11467.9	11467.9	11467.9	11467.9	11467.9	11467.9	11467.9	11467.9	11467.9	11467.9
2.5°	12062.6	12083.7	12111.8	12147.0	12140.0	12108.3	12069.6	11981.7	11925.3	11749.4	11534.8
5°	11675.5	11672.0	11742.4	11809.2	11928.9	11992.2	12080.2	11999.2	11971.1	11760.0	11411.6
7.5°	10919.0	10957.7	11038.6	11144.2	11316.6	11503.1	11714.2	11689.6	11774.0	11633.3	11200.5
10°	10176.5	10155.4	10282.1	10440.4	10704.3	10943.6	11249.7	11246.2	11467.9	11453.8	10961.2
12.5°	9525.5	9522.0	9620.5	9800.0	10109.6	10443.9	10859.1	10869.7	11144.2	11256.8	10757.1
15°	8976.6	8983.6	9078.6	9265.1	9585.3	9993.5	10475.6	10563.6	10873.2	11101.9	10556.5
17.5°	8586.0	8589.5	8645.8	8807.7	9120.8	9557.2	10137.8	10257.4	10655.0	10985.8	10394.7
20°	8406.5	8392.4	8403.0	8483.9	8726.7	9124.4	9792.9	9947.8	10454.5	10904.9	10246.9
22.5°	8431.1	8410.0	8360.8	8350.2	8459.3	8761.9	9427.0	9617.0	10236.3	10855.6	10113.1
25°	8649.3	8603.6	8533.2	8427.6	8385.4	8536.7	9106.8	9303.8	10032.2	10859.1	10011.1
27.5°	8983.6	8934.3	8846.4	8705.6	8540.2	8476.9	8888.6	9075.1	9887.9	10940.1	9961.8
30°	9409.4	9370.7	9286.2	9117.3	8895.6	8635.2	8842.8	8997.7	9817.6	11105.5	9982.9
32.5°	9912.6	9884.4	9814.0	9659.2	9405.9	9008.2	8997.7	9117.3	9873.9	11344.7	10063.9
35°	10398.2	10408.7	10412.2	10327.8	10056.8	9574.8	9423.5	9465.7	10106.1	11703.7	10246.9
37.5°	10922.5	10897.8	11024.5	11084.3	10824.0	10310.2	10081.5	10085.0	10549.5	12235.0	10591.7
40°	11320.1	11327.1	11601.6	11847.9	11738.9	11242.7	10915.4	10911.9	11232.1	12963.4	11147.7
42.5°	11693.1	11738.9	12143.5	12565.8	12717.1	12277.2	12041.5	11953.5	12189.3	13948.7	11981.7
45°	12090.7	12157.6	12724.1	13325.8	13723.5	13463.1	13276.6	13311.8	13339.9	15095.8	13104.2
47.5°	12555.2	12597.4	13297.7	14145.7	14888.2	14821.4	14831.9	14789.7	14775.6	16542.1	14589.1
50°	13118.2	13216.8	14022.6	15036.0	16049.4	16492.8	16640.6	16658.2	16429.5	18118.5	16126.8
52.5°	14314.6	14434.3	15124.0	16010.7	17316.2	18248.7	18850.4	18730.8	18378.9	19645.7	17812.4
55°	15725.7	15817.2	16482.2	17400.7	18864.5	20173.5	21602.2	21552.9	20690.8	21253.8	19198.8
57.5°	15859.4	15961.5	16992.5	18400.0	20852.6	22552.2	24054.8	24213.1	22949.9	22393.9	20437.4
60°	14356.9	14564.5	15972.0	17865.2	21612.7	25750.9	26743.2	26774.9	24607.2	23551.6	21950.5
62.5°	11506.6	11605.1	13023.2	15493.5	20440.9	27615.9	30849.7	30181.1	26736.1	25342.7	24346.9
65°	6031.3	6432.4	7667.6	10401.7	16577.3	26964.9	35790.1	35607.1	30564.6	27907.9	26211.8
67.5°	4138.2	4134.6	4426.7	5422.5	9884.4	23217.3	38214.6	40227.4	34991.3	28787.6	24860.6
70°	3149.4	3159.9	3420.3	4067.8	5119.9	15454.7	35554.4	38995.8	35814.8	26137.9	20106.7
72.5°	2090.2	2111.3	2544.1	3286.6	4088.9	7576.1	27629.9	31201.6	30135.3	20993.4	14152.8
75°	1249.2	1266.8	1576.4	2389.3	3635.0	4240.2	17555.5	21570.5	20743.6	14469.5	7586.6
77.5°	513.8	527.8	809.3	1488.5	2660.2	3293.6	9708.5	14114.1	12425.0	5753.3	2072.6
80°	214.6	221.7	390.6	1041.6	1917.8	2065.6	4497.1	6633.0	5091.8	1238.6	633.4
82.5°	77.4	80.9	144.3	573.6	1192.9	1555.3	2269.7	2621.5	1435.7	404.7	341.3
85°	3.5	3.5	35.2	193.5	453.9	439.9	1298.5	1256.2	475.0	168.9	204.1
87.5°	0.0	0.0	3.5	3.5	7.0	17.6	123.2	218.2	102.0	42.2	88.0
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°	11467.9	11467.9	11467.9	11467.9	11467.9	11467.9	11467.9	11467.9	11467.9	11467.9	11467.9
2.5°	11394.0	11207.5	11003.4	10813.4	10510.8	10331.3	10109.6	10011.1	9870.3	9835.2	9856.3
5°	11161.8	10841.5	10352.4	9909.1	9335.5	8874.5	8410.0	8213.0	7959.6	7790.7	7720.3
7.5°	10834.5	10415.8	9652.2	8846.4	8058.1	7217.1	6576.7	6154.5	5770.9	5559.8	5517.5
10°	10503.7	9958.3	8864.0	7709.8	6488.7	5482.4	4616.7	3976.3	3455.5	3219.7	3036.8
12.5°	10162.4	9483.3	8061.7	6555.6	5137.5	3765.2	2695.4	2072.6	1699.6	1551.8	1576.4
15°	9849.2	9025.8	7266.4	5401.4	3617.4	2273.2	1488.5	1256.2	1168.3	1140.1	1136.6
17.5°	9550.1	8593.0	6474.7	4278.9	2385.8	1393.5	1140.1	1083.8	1059.2	1045.1	1045.1
20°	9279.2	8177.8	5700.5	3223.3	1541.3	1104.9	1031.0	1002.9	981.8	971.2	971.2
22.5°	9025.8	7776.6	4944.0	2280.2	1136.6	992.3	946.6	918.4	893.8	879.7	879.7
25°	8797.1	7414.2	4222.6	1569.4	978.2	907.9	858.6	826.9	784.7	760.1	760.1
27.5°	8631.7	7090.5	3529.4	1143.6	883.2	816.4	760.1	717.8	672.1	643.9	636.9
30°	8533.2	6816.0	2829.1	939.5	795.3	728.4	665.1	612.3	559.5	531.3	527.8
32.5°	8476.9	6562.6	2188.7	819.9	721.4	643.9	573.6	517.3	464.5	432.8	429.3
35°	8498.0	6365.6	1639.8	739.0	651.0	570.1	492.6	436.3	390.6	362.4	355.4
37.5°	8681.0	6277.6	1231.6	675.6	591.2	506.7	425.8	373.0	330.8	309.7	306.1
40°	9036.4	6295.2	967.7	626.4	541.9	443.4	366.0	316.7	285.0	267.4	263.9
42.5°	9588.8	6443.0	798.8	584.1	489.1	387.1	316.7	278.0	246.3	228.7	225.2
45°	10412.2	6749.1	696.7	534.9	432.8	334.3	274.5	239.3	211.1	190.0	186.5
47.5°	11605.1	7280.5	629.9	489.1	383.6	288.5	235.8	200.6	175.9	158.3	154.8
50°	12875.4	7917.4	573.6	443.4	341.3	249.8	200.6	165.4	144.3	126.7	123.2
52.5°	14230.2	8603.6	531.3	401.1	302.6	214.6	168.9	137.2	116.1	98.5	95.0
55°	15532.2	9293.3	482.1	373.0	256.9	183.0	140.8	112.6	91.5	77.4	77.4
57.5°	16798.9	9926.6	429.3	327.3	211.1	154.8	116.1	91.5	73.9	63.3	59.8
60°	18312.0	10802.8	369.5	278.0	175.9	130.2	95.0	73.9	59.8	49.3	49.3
62.5°	20560.6	11714.2	316.7	232.2	147.8	109.1	77.4	59.8	49.3	42.2	38.7
65°	21296.0	11221.6	267.4	190.0	119.6	88.0	63.3	52.8	42.2	38.7	35.2
67.5°	19332.5	9198.2	221.7	154.8	98.5	73.9	56.3	45.7	38.7	35.2	31.7
70°	15085.3	6527.4	172.4	116.1	80.9	59.8	49.3	42.2	35.2	31.7	31.7
72.5°	10260.9	3860.2	137.2	88.0	66.9	52.8	42.2	38.7	35.2	31.7	28.2
75°	5053.1	1372.3	105.6	66.9	52.8	45.7	38.7	35.2	31.7	28.2	28.2
77.5°	1361.8	380.0	80.9	52.8	42.2	35.2	35.2	35.2	31.7	24.6	24.6
80°	461.0	158.3	59.8	38.7	35.2	28.2	24.6	31.7	28.2	24.6	21.1
82.5°	253.4	77.4	42.2	31.7	24.6	21.1	21.1	21.1	21.1	17.6	17.6
85°	161.9	42.2	28.2	24.6	24.6	17.6	14.1	14.1	10.6	10.6	10.6
87.5°	73.9	24.6	24.6	21.1	21.1	17.6	10.6	7.0	3.5	3.5	3.5
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)