

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: P643806

Luminaire Tested: GWS-SA6F-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643806
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-SAGF-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39804.5 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G5

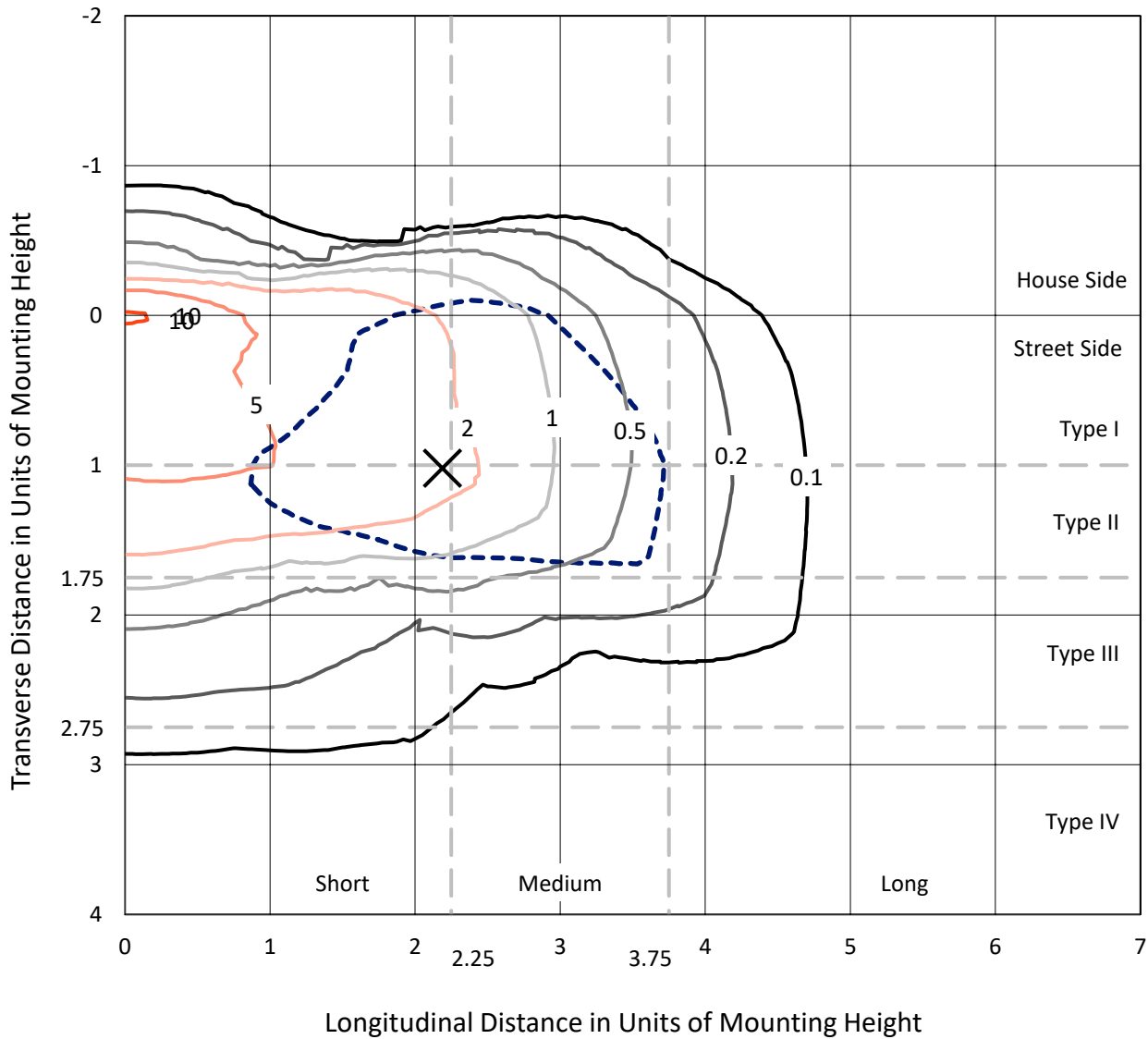
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

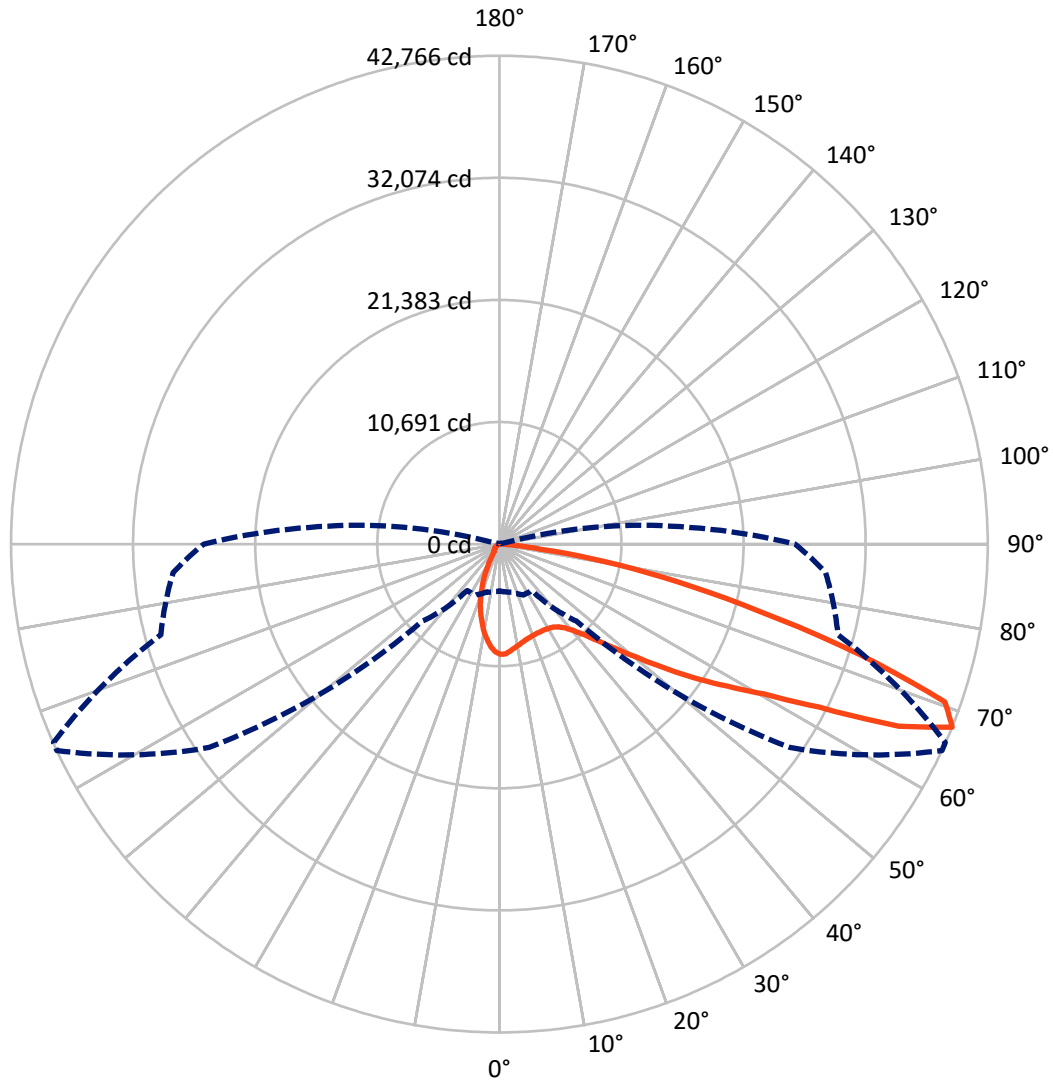
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4970.4	0.0	4970.4
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	34834.1	0.0	34834.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	39804.5	0.0	39804.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.8	2.0
10°-20°	1802.4	4.5
20°-30°	2575.5	6.5
30°-40°	3747.1	9.4
40°-50°	5868.6	14.7
50°-60°	9155.1	23.0
60°-70°	10056.4	25.3
70°-80°	5352.0	13.4
80°-90°	445.6	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°	39804.5	100.0
0°-180°	39804.5	100.0

Coefficient of Utilization



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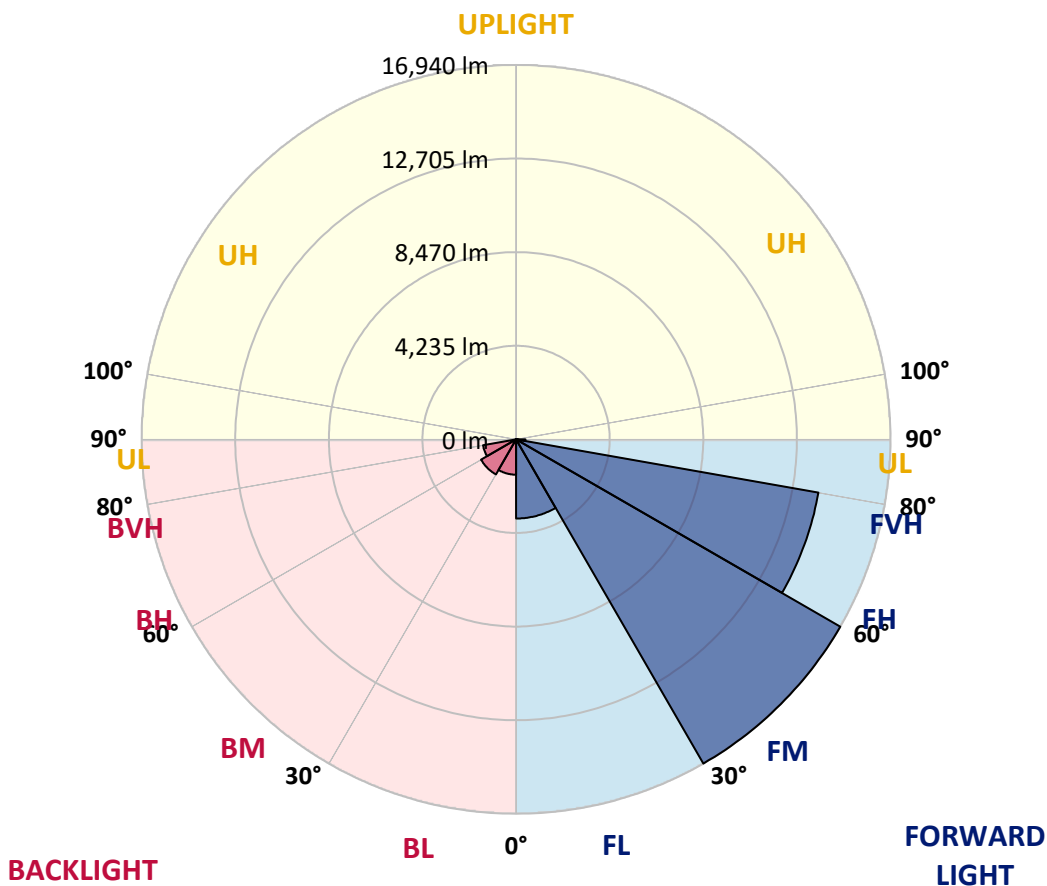
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3582.2	9.0			
FM (30°-60°)	16939.9	42.6			
FH (60°-80°)	13890.2	34.9			G5
FVH (80°-90°)	421.7	1.1			G3/500
BL (0°-30°)	1597.6	4.0	B3/2500		
BM (30°-60°)	1830.8	4.6	B2/2500		
BH (60°-80°)	1518.2	3.8	B3/2500		G3/2500
BVH (80°-90°)	23.8	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	9653.8	9653.8	9653.8	9653.8	9653.8	9653.8	9653.8	9653.8	9653.8	9653.8	9653.8
2.5°	9319.1	9347.9	9308.3	9405.5	9423.5	9531.5	9592.7	9635.8	9632.2	9686.2	9686.2
5°	8772.0	8800.8	8779.2	8883.6	8966.3	9135.5	9275.9	9437.9	9445.1	9610.7	9671.8
7.5°	8307.6	8311.2	8311.2	8440.8	8548.8	8757.6	8966.3	9214.7	9243.5	9499.1	9661.0
10°	7926.1	7936.9	7940.5	8088.1	8206.8	8458.8	8725.2	9023.9	9056.3	9401.9	9653.8
12.5°	7663.3	7666.9	7681.3	7836.1	7965.7	8228.4	8498.4	8840.4	8883.6	9290.3	9621.4
15°	7537.3	7530.1	7537.3	7666.9	7796.5	8048.5	8325.6	8692.8	8739.6	9196.7	9625.0
17.5°	7530.1	7519.3	7512.1	7609.3	7692.1	7915.3	8196.0	8595.6	8646.0	9153.5	9664.6
20°	7634.5	7627.3	7591.3	7634.5	7652.5	7836.1	8113.3	8520.0	8570.4	9146.3	9751.0
22.5°	7908.1	7890.1	7836.1	7796.5	7699.3	7807.3	8055.7	8466.0	8523.6	9164.3	9862.6
25°	8314.8	8307.6	8239.2	8142.1	7893.7	7850.5	8059.3	8466.0	8520.0	9185.9	9981.4
27.5°	8926.7	8883.6	8797.2	8628.0	8271.6	8019.7	8131.3	8487.6	8541.6	9214.7	10078.6
30°	9549.5	9545.9	9517.1	9344.3	8815.2	8343.6	8282.4	8545.2	8595.6	9239.9	10168.6
32.5°	10193.8	10204.6	10276.6	10143.4	9563.9	8826.0	8556.0	8664.0	8700.0	9290.3	10247.8
35°	10805.7	10827.3	11018.1	11064.8	10474.5	9556.7	9002.3	8901.6	8905.2	9401.9	10352.1
37.5°	11392.4	11464.4	11770.3	11997.1	11608.4	10442.1	9646.6	9304.7	9275.9	9625.0	10510.5
40°	12058.3	12195.1	12580.2	12965.4	12843.0	11612.0	10524.9	9923.8	9862.6	10035.4	10794.9
42.5°	12796.2	12943.8	13454.9	13994.8	14052.4	13026.6	11622.8	10827.3	10722.9	10726.5	11327.6
45°	13588.1	13786.1	14380.0	15157.5	15506.6	14603.2	12976.2	12047.5	11943.1	11788.3	12184.3
47.5°	14628.3	14801.1	15373.4	16269.7	16939.2	16294.9	14750.7	13616.9	13426.1	13199.3	13516.1
50°	15524.6	15675.8	16168.9	17292.0	18685.0	18476.2	16762.8	15578.6	15395.0	15009.9	15272.7
52.5°	15722.6	15841.4	16294.9	17558.3	20020.4	21229.8	19228.5	17950.7	17821.1	17108.4	17209.2
55°	14833.5	15013.5	15420.2	16824.0	20369.5	23922.2	22428.5	20625.1	20355.1	19217.7	19397.7
57.5°	12587.4	12907.8	13289.3	15114.3	19422.9	25354.8	26899.0	23457.9	23213.1	21247.8	21251.4
60°	9225.5	9484.7	9740.2	11410.4	17176.8	25257.7	30955.7	26639.9	26193.5	22907.2	22846.0
62.5°	6709.5	6842.6	6839.0	7433.0	11795.5	23594.7	33086.6	31434.4	30394.1	24681.7	24332.6
65°	5276.9	5273.3	5428.0	5622.4	6587.1	18213.4	33349.3	38435.4	37312.4	27061.0	26333.9
67.5°	4107.0	4186.2	4341.0	4913.3	4949.3	9531.5	31038.4	42765.6	42744.0	30692.9	28677.2
70°	3167.6	3275.5	3495.1	4330.2	4571.4	5334.5	23223.9	41394.2	41743.3	32316.3	27017.8
72.5°	2033.7	2026.5	2350.5	3498.7	4391.4	4445.4	12843.0	32881.4	33277.3	29271.1	21845.3
75°	1137.4	1144.6	1328.2	2141.7	4092.6	4182.6	6360.3	23447.1	23760.3	22820.8	16784.4
77.5°	446.3	460.7	622.7	1126.6	2699.6	3736.3	3779.5	15989.0	16035.7	14142.4	10294.6
80°	180.0	190.8	316.8	698.3	1645.0	2516.0	2699.6	9419.9	9229.1	5474.8	2994.8
82.5°	54.0	57.6	126.0	395.9	860.3	1788.9	1821.3	3613.9	3412.3	1177.0	763.1
85°	3.6	3.6	28.8	122.4	306.0	449.9	1213.0	1177.0	1043.9	295.2	338.4
87.5°	0.0	0.0	3.6	3.6	7.2	14.4	129.6	216.0	219.6	54.0	151.2
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°	9653.8	9653.8	9653.8	9653.8	9653.8	9653.8	9653.8	9653.8	9653.8	9653.8	9653.8
2.5°	9686.2	9556.7	9545.9	9445.1	9344.3	9218.3	9070.7	8962.7	8887.2	8754.0	8728.8
5°	9671.8	9499.1	9337.1	9049.1	8728.8	8383.2	8080.9	7800.1	7623.7	7504.9	7454.6
7.5°	9643.0	9423.5	9049.1	8505.6	7969.3	7364.6	6893.0	6461.1	6165.9	5993.2	5917.6
10°	9621.4	9326.3	8718.0	7893.7	7062.2	6227.1	5510.8	4870.1	4513.8	4233.0	4186.2
12.5°	9578.3	9185.9	8293.2	7177.4	6104.7	4996.1	4081.8	3297.1	2753.6	2508.8	2422.5
15°	9535.1	9038.3	7868.5	6421.5	5060.9	3693.1	2584.4	1828.5	1454.2	1339.0	1331.8
17.5°	9527.9	8905.2	7407.8	5705.2	3966.6	2418.9	1472.2	1184.2	1105.0	1076.2	1076.2
20°	9549.5	8793.6	6954.2	4880.9	2890.4	1472.2	1097.8	1025.9	979.1	953.9	953.9
22.5°	9571.1	8678.4	6518.7	4049.4	1918.5	1076.2	968.3	907.1	853.1	824.3	809.9
25°	9585.5	8552.4	6036.4	3214.3	1252.6	935.9	849.5	770.3	705.5	669.5	669.5
27.5°	9581.9	8401.2	5550.4	2397.3	971.9	831.5	727.1	644.3	579.5	539.9	543.5
30°	9553.1	8235.6	5046.5	1673.8	849.5	727.1	622.7	536.3	471.5	439.1	435.5
32.5°	9531.5	8059.3	4463.4	1177.0	763.1	637.1	529.1	446.3	392.3	367.1	363.5
35°	9506.3	7886.5	3909.1	896.3	687.5	550.7	446.3	377.9	334.8	313.2	313.2
37.5°	9513.5	7706.5	3307.9	770.3	611.9	478.7	381.5	324.0	288.0	266.4	262.8
40°	9625.0	7598.5	2717.6	698.3	543.5	413.9	331.2	280.8	244.8	223.2	219.6
42.5°	9902.2	7602.1	2152.5	644.3	482.3	352.8	288.0	241.2	208.8	183.6	180.0
45°	10456.5	7753.3	1652.2	586.7	417.5	306.0	248.4	205.2	172.8	151.2	147.6
47.5°	11363.6	8203.2	1252.6	536.3	363.5	266.4	212.4	172.8	144.0	126.0	122.4
50°	12807.0	9016.7	986.3	475.1	306.0	230.4	180.0	144.0	118.8	100.8	97.2
52.5°	14542.0	10237.0	845.9	421.1	262.8	201.6	154.8	118.8	97.2	82.8	79.2
55°	16536.1	11694.8	781.1	367.1	223.2	172.8	126.0	97.2	79.2	68.4	61.2
57.5°	18364.6	13008.6	777.5	313.2	190.8	147.6	104.4	82.8	68.4	54.0	50.4
60°	20146.4	14106.4	730.7	259.2	165.6	122.4	90.0	68.4	57.6	46.8	43.2
62.5°	21762.5	14999.1	611.9	208.8	140.4	100.8	75.6	61.2	50.4	39.6	39.6
65°	23792.7	16136.5	467.9	169.2	115.2	82.8	64.8	54.0	46.8	36.0	36.0
67.5°	25891.2	16737.7	334.8	140.4	93.6	72.0	57.6	50.4	39.6	32.4	32.4
70°	23450.7	14142.4	241.2	115.2	79.2	61.2	50.4	46.8	39.6	32.4	28.8
72.5°	18314.2	10197.4	180.0	90.0	68.4	57.6	46.8	43.2	36.0	28.8	28.8
75°	13580.9	5946.4	136.8	72.0	54.0	46.8	46.8	43.2	36.0	28.8	25.2
77.5°	7382.6	2073.3	104.4	57.6	43.2	36.0	39.6	39.6	32.4	25.2	21.6
80°	1954.5	568.7	72.0	43.2	36.0	28.8	28.8	36.0	28.8	21.6	21.6
82.5°	568.7	165.6	50.4	36.0	28.8	25.2	25.2	25.2	21.6	18.0	14.4
85°	277.2	61.2	36.0	28.8	25.2	21.6	18.0	18.0	14.4	10.8	10.8
87.5°	122.4	25.2	28.8	25.2	25.2	18.0	14.4	10.8	10.8	7.2	3.6
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)