

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: P643315

Luminaire Tested: GWS-SA6E-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643315
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-SAGE-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36578.3 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

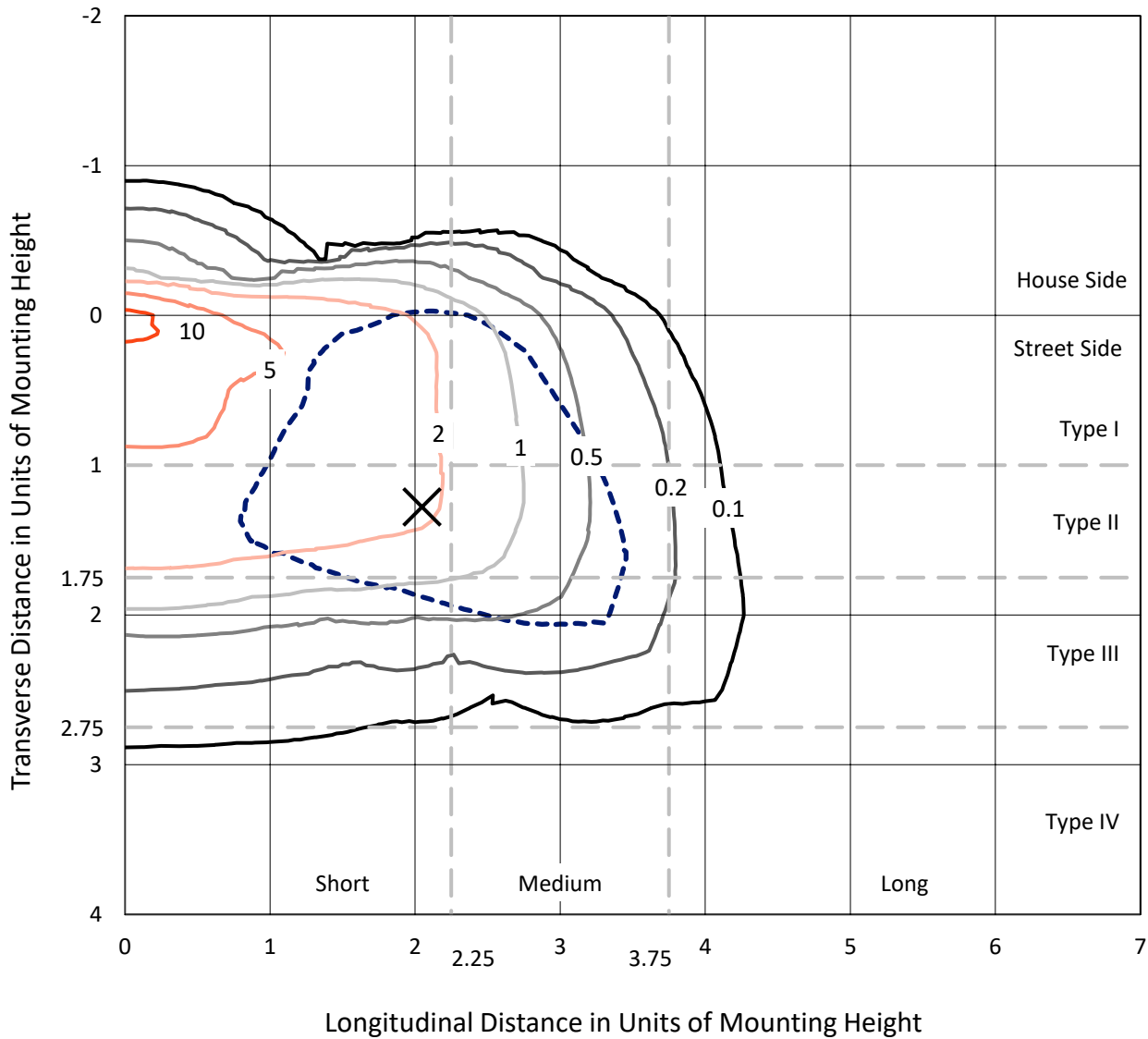
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643315
 CATALOG NUMBER: GWS-SA6E-760-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

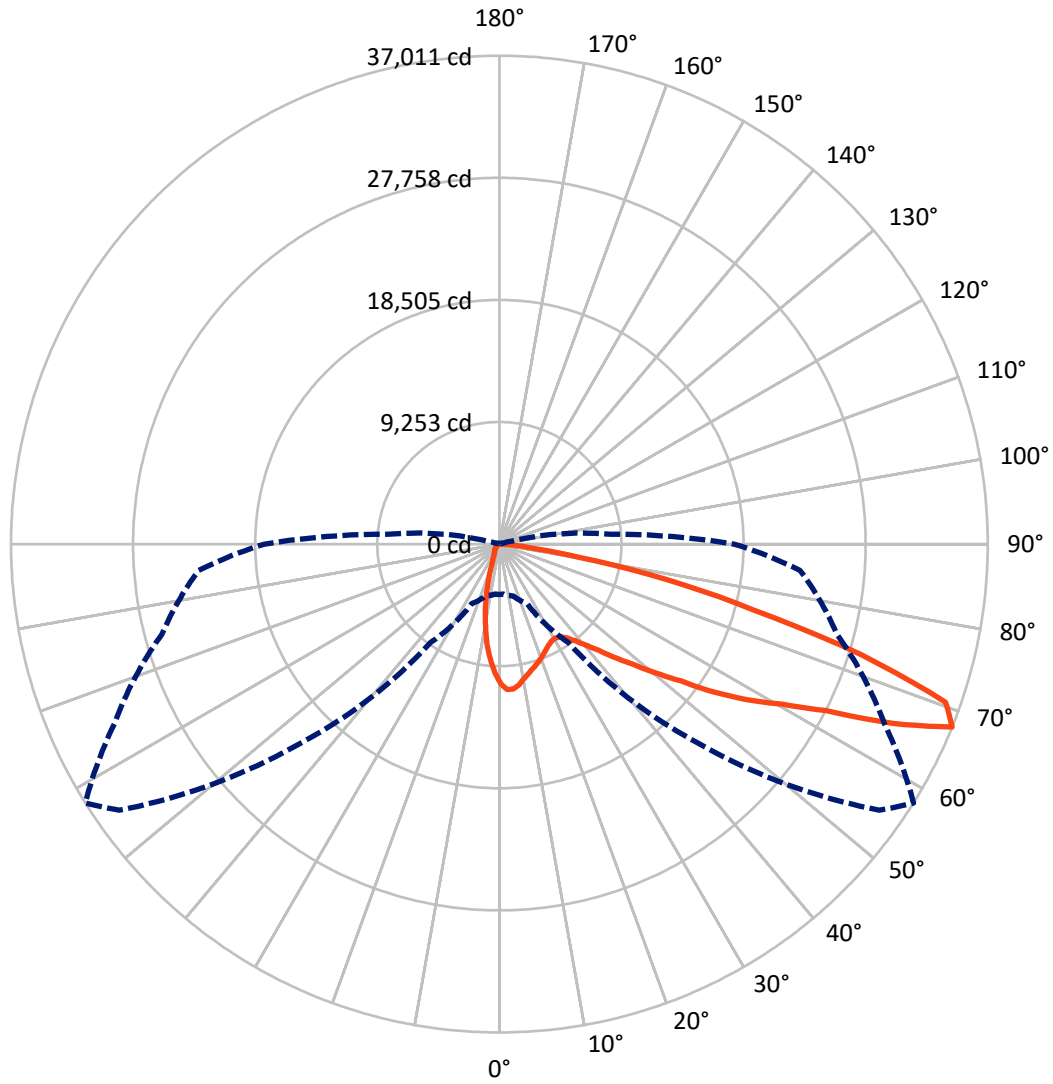
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.7 fc
 Type III - Short - N/A

REPORT NUMBER: P643315
CATALOG NUMBER: GWS-SA6E-760-U-SL3-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643315
 CATALOG NUMBER: GWS-SA6E-760-U-SL3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3573.5	0.0	3573.5
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	33004.8	0.0	33004.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	36578.3	0.0	36578.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	857.4	2.3
10°-20°	1784.7	4.9
20°-30°	2406.8	6.6
30°-40°	3382.1	9.2
40°-50°	5223.3	14.3
50°-60°	8352.7	22.8
60°-70°	9890.2	27.0
70°-80°	4375.2	12.0
80°-90°	305.9	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°	36578.3	100.0
0°-180°	36578.3	100.0

Coefficient of Utilization

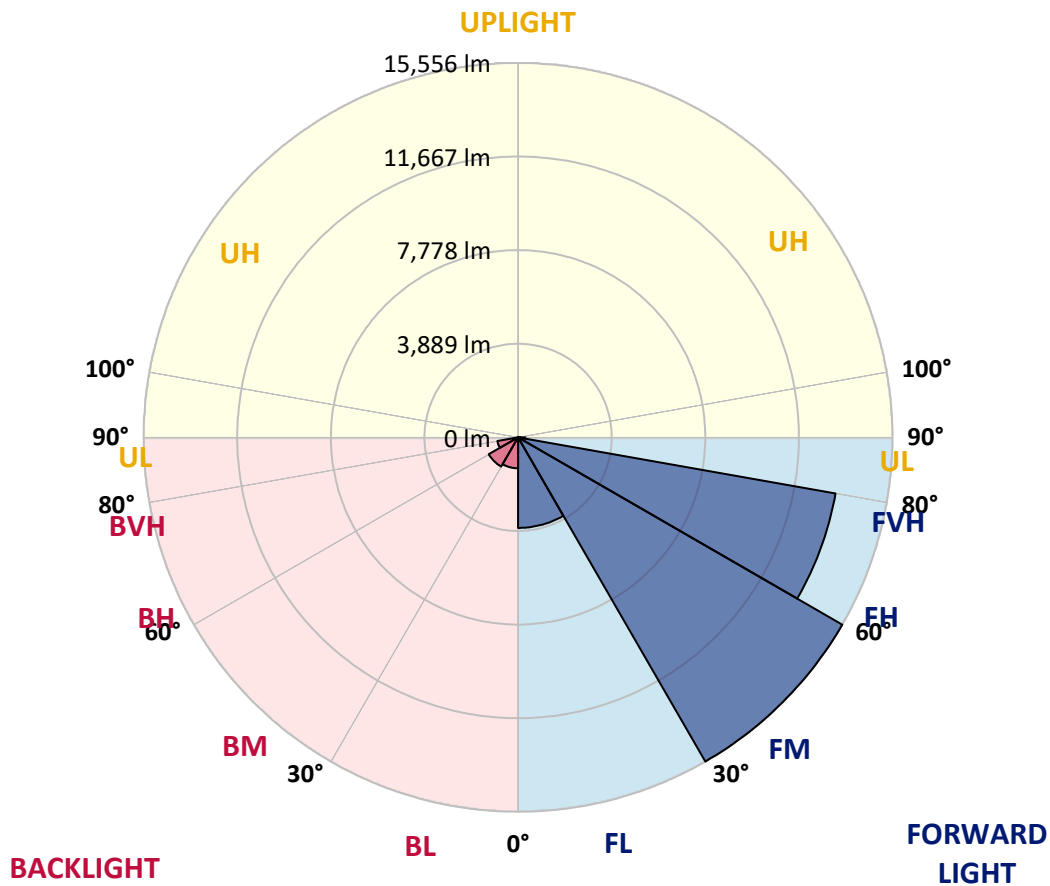


REPORT NUMBER: P643315
 CATALOG NUMBER: GWS-SA6E-760-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3763.0	10.3			
FM (30°-60°)	15556.0	42.5			
FH (60°-80°)	13393.0	36.6			G5
FVH (80°-90°)	292.8	0.8			G3/500
BL (0°-30°)	1285.9	3.5	B3/2500		
BM (30°-60°)	1402.1	3.8	B2/2500		
BH (60°-80°)	872.4	2.4	B2/1000		G2/1000
BVH (80°-90°)	13.0	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





REPORT NUMBER: P643315

CATALOG NUMBER: GWS-SA6E-760-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10550.9	10550.9	10550.9	10550.9	10550.9	10550.9	10550.9	10550.9	10550.9	10550.9	10550.9
2.5°	11098.0	11117.5	11143.4	11175.7	11169.3	11140.1	11104.5	11023.6	10971.8	10809.9	10612.4
5°	10741.9	10738.7	10803.4	10864.9	10975.0	11033.3	11114.2	11039.8	11013.9	10819.6	10499.1
7.5°	10045.9	10081.5	10155.9	10253.1	10411.7	10583.3	10777.5	10754.9	10832.6	10703.1	10304.9
10°	9362.7	9343.3	9459.9	9605.6	9848.4	10068.5	10350.2	10346.9	10550.9	10537.9	10084.7
12.5°	8763.8	8760.6	8851.2	9016.3	9301.2	9608.8	9990.8	10000.5	10253.1	10356.7	9896.9
15°	8258.8	8265.2	8352.7	8524.2	8818.9	9194.4	9637.9	9718.9	10003.8	10214.2	9712.4
17.5°	7899.4	7902.7	7954.5	8103.4	8391.5	8793.0	9327.1	9437.2	9803.0	10107.4	9563.5
20°	7734.3	7721.4	7731.1	7805.5	8028.9	8394.7	9009.9	9152.3	9618.5	10032.9	9427.5
22.5°	7757.0	7737.5	7692.2	7682.5	7782.9	8061.3	8673.2	8848.0	9417.8	9987.6	9304.5
25°	7957.7	7915.6	7850.9	7753.7	7714.9	7854.1	8378.6	8559.9	9230.0	9990.8	9210.6
27.5°	8265.2	8219.9	8139.0	8009.5	7857.3	7799.1	8177.8	8349.4	9097.3	10065.3	9165.3
30°	8657.0	8621.4	8543.7	8388.3	8184.3	7944.7	8135.7	8278.2	9032.5	10217.4	9184.7
32.5°	9119.9	9094.0	9029.3	8886.8	8653.7	8287.9	8278.2	8388.3	9084.3	10437.6	9259.1
35°	9566.7	9576.4	9579.7	9502.0	9252.7	8809.1	8669.9	8708.8	9298.0	10767.8	9427.5
37.5°	10049.1	10026.4	10143.0	10198.0	9958.4	9485.8	9275.3	9278.6	9705.9	11256.7	9744.8
40°	10414.9	10421.4	10673.9	10900.5	10800.2	10343.7	10042.6	10039.4	10334.0	11926.8	10256.3
42.5°	10758.1	10800.2	11172.5	11561.0	11700.2	11295.5	11078.6	10997.7	11214.6	12833.3	11023.6
45°	11123.9	11185.4	11706.7	12260.3	12626.1	12386.5	12215.0	12247.3	12273.2	13888.7	12056.3
47.5°	11551.3	11590.1	12234.4	13014.6	13697.7	13636.2	13645.9	13607.1	13594.1	15219.3	13422.5
50°	12069.3	12159.9	12901.3	13833.7	14766.1	15174.0	15310.0	15326.2	15115.7	16669.7	14837.3
52.5°	13170.0	13280.1	13914.6	14730.5	15931.6	16789.5	17343.1	17233.0	16909.3	18074.8	16388.0
55°	14468.2	14552.4	15164.3	16009.3	17356.0	18560.4	19874.8	19829.5	19036.3	19554.3	17663.6
57.5°	14591.3	14685.1	15633.7	16928.7	19185.2	20748.9	22131.3	22277.0	21114.7	20603.2	18803.2
60°	13208.9	13399.9	14694.9	16436.6	19884.5	23691.8	24604.7	24633.9	22639.6	21668.4	20195.3
62.5°	10586.5	10677.2	11981.9	14254.6	18806.4	25407.6	28382.9	27767.7	24598.3	23316.2	22400.0
65°	5549.0	5918.1	7054.4	9569.9	15251.7	24808.7	32928.3	32759.9	28120.6	25676.3	24115.9
67.5°	3807.3	3804.0	4072.7	4988.9	9094.0	21360.8	35158.9	37010.7	32193.4	26485.7	22872.7
70°	2897.5	2907.2	3146.8	3742.5	4710.5	14218.9	32711.3	35877.6	32950.9	24047.9	18498.9
72.5°	1923.1	1942.5	2340.7	3023.8	3761.9	6970.3	25420.6	28706.6	27725.7	19314.7	13021.1
75°	1149.3	1165.5	1450.4	2198.2	3344.3	3901.1	16151.7	19845.7	19084.9	13312.5	6980.0
77.5°	472.7	485.6	744.6	1369.4	2447.5	3030.3	8932.2	12985.5	11431.5	5293.3	1906.9
80°	197.5	204.0	359.4	958.3	1764.4	1900.4	4137.5	6102.6	4684.6	1139.6	582.7
82.5°	71.2	74.5	132.7	527.7	1097.5	1431.0	2088.2	2411.9	1320.9	372.3	314.0
85°	3.2	3.2	32.4	178.1	417.6	404.7	1194.6	1155.8	437.1	155.4	187.8
87.5°	0.0	0.0	3.2	3.2	6.5	16.2	113.3	200.7	93.9	38.8	80.9
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: P643315
 CATALOG NUMBER: GWS-SA6E-760-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10550.9	10550.9	10550.9	10550.9	10550.9	10550.9	10550.9	10550.9	10550.9	10550.9	10550.9
2.5°	10482.9	10311.3	10123.6	9948.7	9670.3	9505.2	9301.2	9210.6	9081.1	9048.7	9068.1
5°	10269.2	9974.6	9524.6	9116.7	8589.0	8164.9	7737.5	7556.2	7323.1	7167.7	7103.0
7.5°	9968.2	9582.9	8880.4	8139.0	7413.8	6640.0	6050.8	5662.3	5309.4	5115.2	5076.3
10°	9663.8	9162.0	8155.2	7093.3	5969.9	5044.0	4247.6	3658.3	3179.2	2962.3	2793.9
12.5°	9349.8	8725.0	7417.0	6031.4	4726.7	3464.1	2479.9	1906.9	1563.7	1427.7	1450.4
15°	9061.7	8304.1	6685.4	4969.5	3328.1	2091.4	1369.4	1155.8	1074.8	1048.9	1045.7
17.5°	8786.5	7905.9	5956.9	3936.8	2195.0	1282.0	1048.9	997.1	974.5	961.5	961.5
20°	8537.2	7523.9	5244.7	2965.5	1418.0	1016.6	948.6	922.7	903.3	893.5	893.5
22.5°	8304.1	7154.8	4548.6	2097.9	1045.7	913.0	870.9	845.0	822.3	809.4	809.4
25°	8093.7	6821.3	3885.0	1443.9	900.0	835.3	789.9	760.8	722.0	699.3	699.3
27.5°	7941.5	6523.5	3247.2	1052.2	812.6	751.1	699.3	660.4	618.4	592.5	586.0
30°	7850.9	6271.0	2602.9	864.4	731.7	670.2	611.9	563.3	514.8	488.9	485.6
32.5°	7799.1	6037.9	2013.7	754.3	663.7	592.5	527.7	475.9	427.3	398.2	395.0
35°	7818.5	5856.6	1508.7	679.9	598.9	524.5	453.2	401.4	359.4	333.5	327.0
37.5°	7986.8	5775.6	1133.1	621.6	543.9	466.2	391.7	343.2	304.3	284.9	281.7
40°	8313.8	5791.8	890.3	576.3	498.6	407.9	336.7	291.4	262.2	246.0	242.8
42.5°	8822.1	5927.8	734.9	537.4	450.0	356.1	291.4	255.8	226.6	210.4	207.2
45°	9579.7	6209.5	641.0	492.1	398.2	307.6	252.5	220.1	194.2	174.8	171.6
47.5°	10677.2	6698.3	579.5	450.0	352.9	265.5	216.9	184.5	161.9	145.7	142.4
50°	11845.9	7284.3	527.7	407.9	314.0	229.9	184.5	152.2	132.7	116.5	113.3
52.5°	13092.3	7915.6	488.9	369.1	278.4	197.5	155.4	126.3	106.8	90.6	87.4
55°	14290.2	8550.1	443.5	343.2	236.3	168.3	129.5	103.6	84.2	71.2	71.2
57.5°	15455.7	9132.9	395.0	301.1	194.2	142.4	106.8	84.2	68.0	58.3	55.0
60°	16847.8	9939.0	339.9	255.8	161.9	119.8	87.4	68.0	55.0	45.3	45.3
62.5°	18916.5	10777.5	291.4	213.7	136.0	100.4	71.2	55.0	45.3	38.8	35.6
65°	19593.1	10324.3	246.0	174.8	110.1	80.9	58.3	48.6	38.8	35.6	32.4
67.5°	17786.6	8462.7	204.0	142.4	90.6	68.0	51.8	42.1	35.6	32.4	29.1
70°	13879.0	6005.5	158.6	106.8	74.5	55.0	45.3	38.8	32.4	29.1	29.1
72.5°	9440.4	3551.5	126.3	80.9	61.5	48.6	38.8	35.6	32.4	29.1	25.9
75°	4649.0	1262.6	97.1	61.5	48.6	42.1	35.6	32.4	29.1	25.9	25.9
77.5°	1252.9	349.6	74.5	48.6	38.8	32.4	32.4	32.4	29.1	22.7	22.7
80°	424.1	145.7	55.0	35.6	32.4	25.9	22.7	29.1	25.9	22.7	19.4
82.5°	233.1	71.2	38.8	29.1	22.7	19.4	19.4	19.4	19.4	16.2	16.2
85°	148.9	38.8	25.9	22.7	22.7	16.2	12.9	12.9	9.7	9.7	9.7
87.5°	68.0	22.7	22.7	19.4	19.4	16.2	9.7	6.5	3.2	3.2	3.2
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)