

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: P641329

Luminaire Tested: GWS-SA5F-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24726.4 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

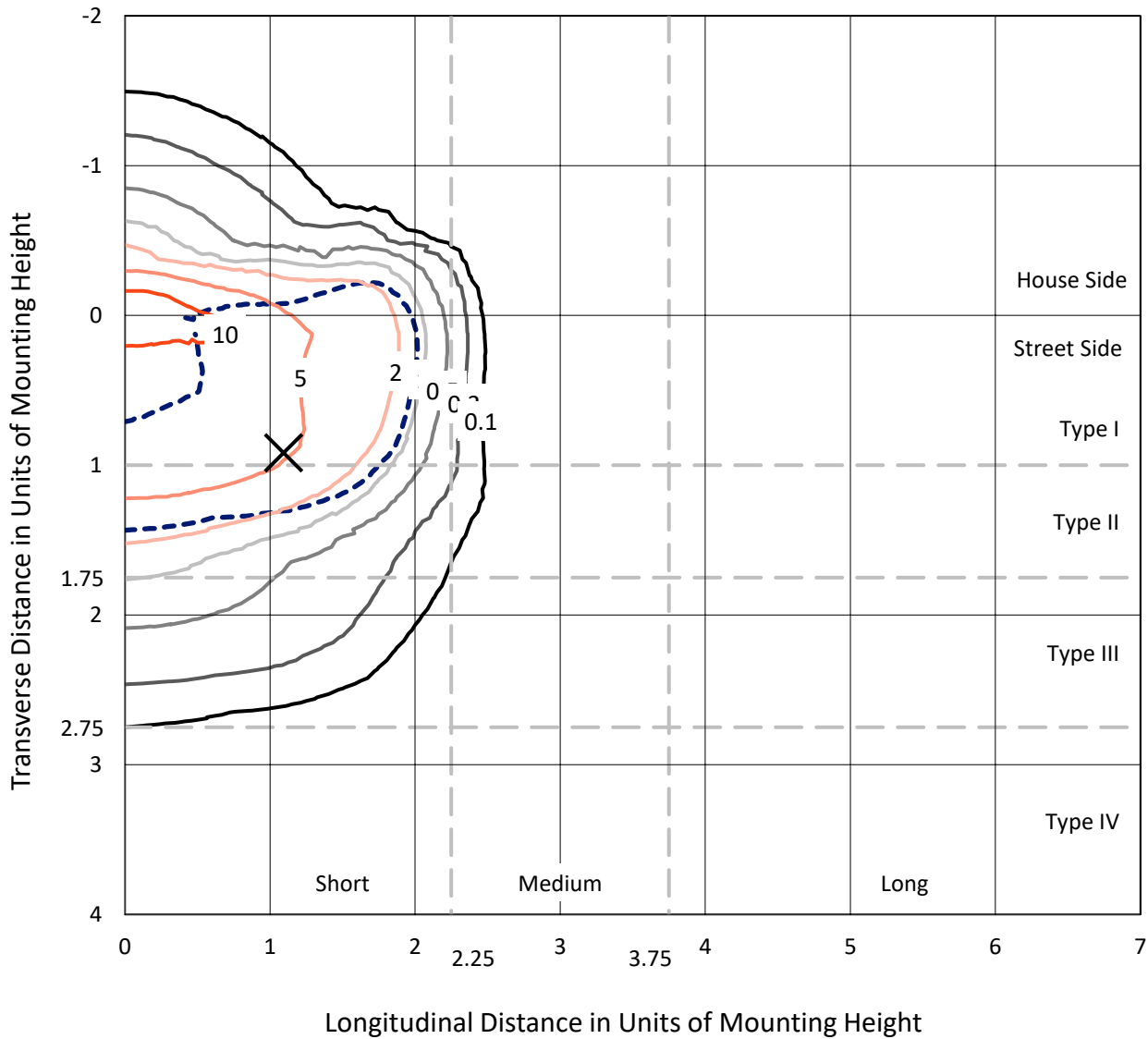
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641329
 CATALOG NUMBER: GWS-SA5F-760-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

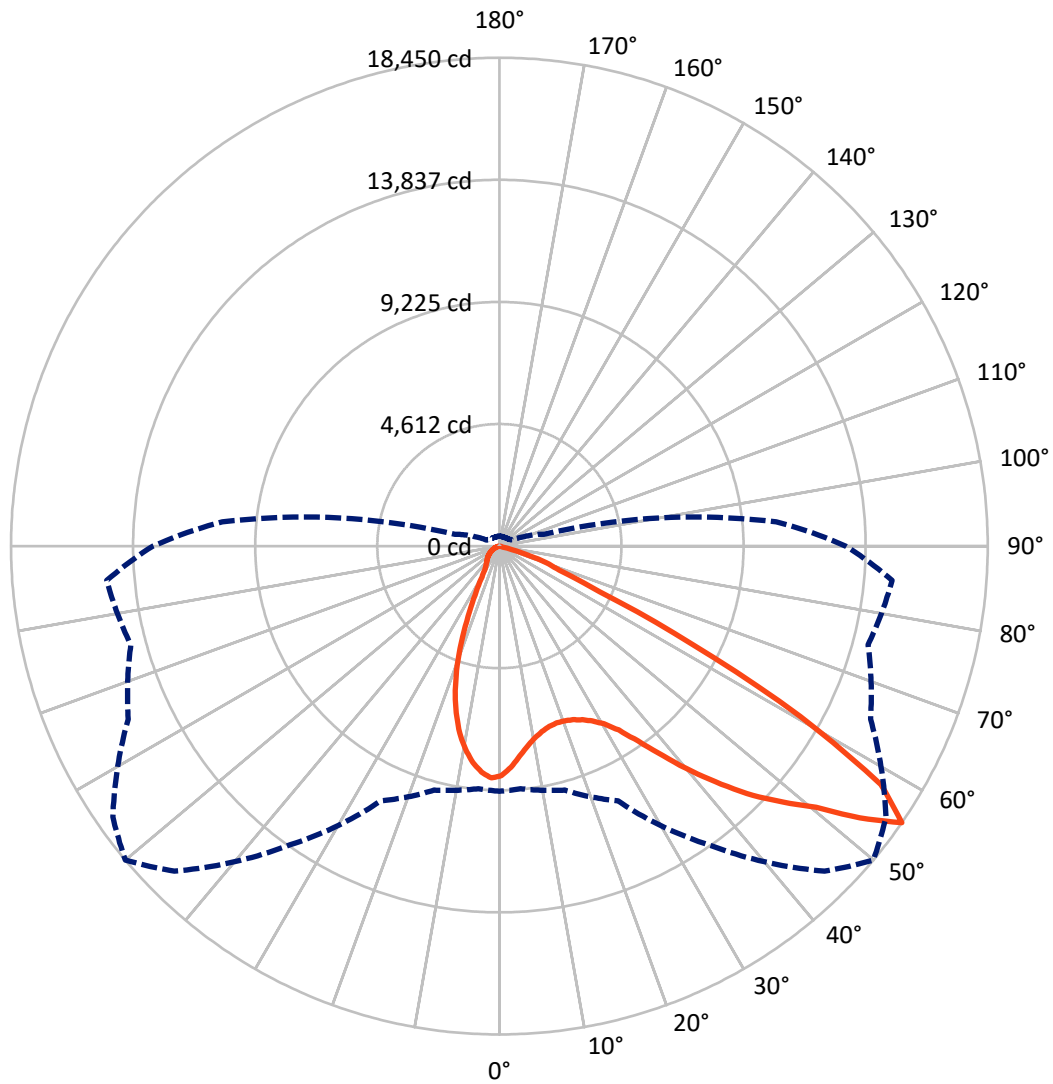
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 fc
 Type II - Short - N/A

REPORT NUMBER: P641329
CATALOG NUMBER: GWS-SA5F-760-U-SL2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P641329
 CATALOG NUMBER: GWS-SA5F-760-U-SL2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4872.3	0.0	4872.3
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	19854.1	0.0	19854.1
	% Fixture	80.3	0.0	80.3
Total	Lumens	24726.4	0.0	24726.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.9	3.1
10°-20°	1874.9	7.6
20°-30°	2644.6	10.7
30°-40°	3913.4	15.8
40°-50°	5645.8	22.8
50°-60°	6659.6	26.9
60°-70°	2970.7	12.0
70°-80°	255.4	1.0
80°-90°	0.1	0.0
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°	24726.4	100.0
0°-180°	24726.4	100.0

Coefficient of Utilization



REPORT NUMBER: P641329

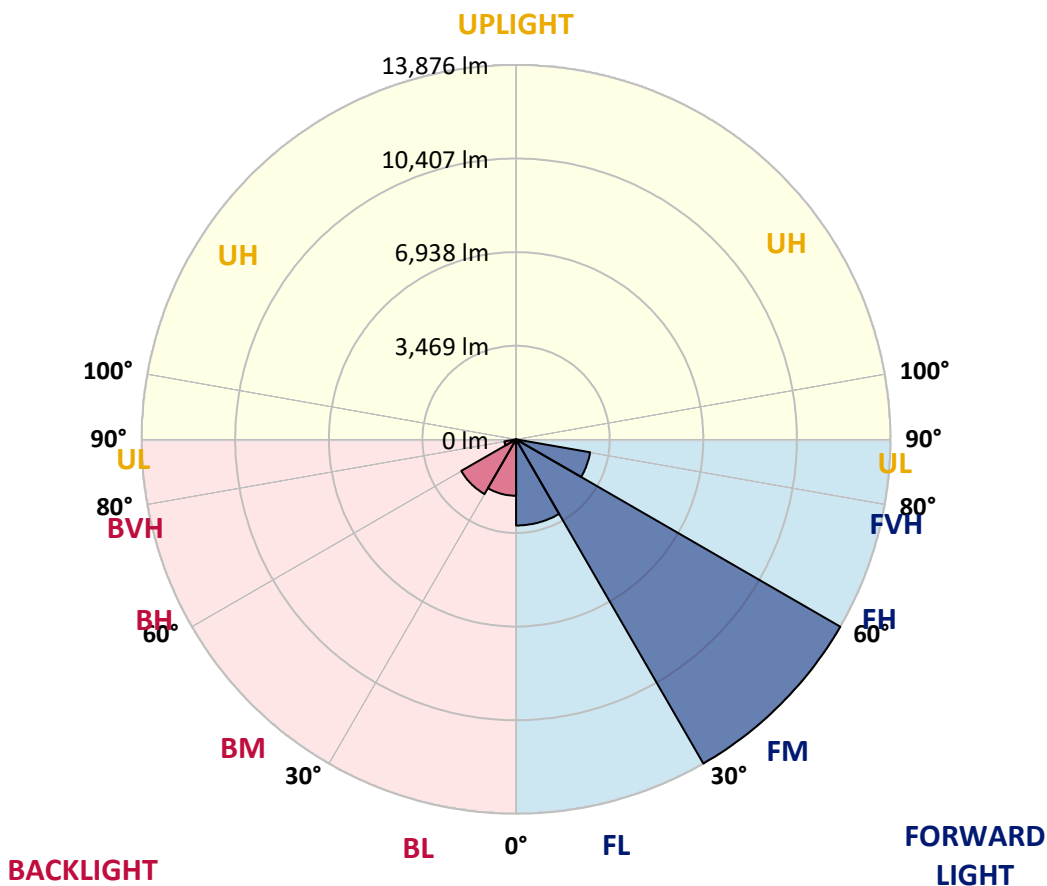
CATALOG NUMBER: GWS-SA5F-760-U-SL2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3192.3	12.9			
FM (30°-60°)	13875.6	56.1			
FH (60°-80°)	2786.2	11.3			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	2089.0	8.4	B3/2500		
BM (30°-60°)	2343.2	9.5	B2/2500		
BH (60°-80°)	439.9	1.8	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P641329

CATALOG NUMBER: GWS-SA5F-760-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4
2.5°	8059.6	8065.6	8068.7	8150.2	8180.3	8301.1	8364.5	8397.7	8485.2	8587.9	8672.4
5°	7519.3	7510.2	7525.3	7627.9	7694.4	7872.5	7969.0	8035.5	8228.6	8470.1	8672.4
7.5°	7048.4	7066.5	7084.6	7196.3	7295.9	7489.1	7627.9	7727.6	7996.2	8355.4	8696.5
10°	6716.3	6716.3	6743.5	6870.3	6988.0	7226.5	7365.3	7492.1	7812.1	8252.8	8723.7
12.5°	6471.8	6474.9	6508.1	6652.9	6788.8	7036.3	7181.2	7305.0	7658.1	8150.2	8729.7
15°	6357.1	6348.1	6375.2	6529.2	6680.1	6912.5	7063.5	7184.2	7549.5	8092.8	8759.9
17.5°	6326.9	6320.9	6342.0	6493.0	6646.9	6873.3	7021.2	7142.0	7534.4	8110.9	8850.5
20°	6414.5	6402.4	6393.4	6523.1	6668.0	6891.4	7045.4	7181.2	7606.8	8210.5	8989.3
22.5°	6622.8	6622.8	6601.6	6665.0	6761.6	6963.9	7123.8	7301.9	7797.0	8409.8	9194.6
25°	7006.1	6975.9	6936.7	6963.9	6951.8	7078.6	7268.7	7516.3	8156.2	8738.8	9445.1
27.5°	7443.8	7471.0	7404.6	7407.6	7301.9	7256.7	7477.0	7851.3	8690.5	9203.6	9816.4
30°	8038.5	8017.3	8020.4	8011.3	7766.8	7552.5	7791.0	8289.0	9363.6	9913.0	10299.4
32.5°	8503.3	8533.5	8633.1	8690.5	8370.5	8026.4	8280.0	8883.7	10130.4	10722.0	10891.0
35°	8995.4	9049.7	9251.9	9439.1	9170.4	8775.0	9046.7	9671.5	10851.8	11521.9	11570.2
37.5°	9514.6	9623.2	9864.7	10193.7	10151.5	9801.3	10048.8	10598.2	11419.3	12004.9	12131.7
40°	10109.2	10214.9	10610.3	11084.2	11183.8	11105.4	11186.9	11506.8	11793.6	12026.0	12373.2
42.5°	10761.2	10906.1	11407.2	12041.1	12415.4	12484.8	12294.7	12261.5	11956.6	11784.5	12321.8
45°	11531.0	11700.0	12267.5	13088.6	13683.2	13776.8	13447.8	13022.1	12059.2	11606.4	12167.9
47.5°	12394.3	12554.3	13118.7	14105.8	14990.3	15026.5	14453.0	13767.7	12364.1	11811.7	12285.6
50°	12684.1	12783.7	13272.7	14431.8	16061.9	16339.6	15509.5	14606.9	12976.9	12415.4	12859.1
52.5°	11687.9	11727.2	12152.8	13324.0	15844.5	17628.5	17052.0	15859.6	14066.6	13336.1	13743.6
55°	9261.0	9197.6	9541.7	10616.3	13770.8	17365.9	18449.6	17827.7	15470.2	14416.7	14893.7
57.5°	6477.9	6402.4	6323.9	7051.4	10275.2	14721.6	17000.6	18102.4	16807.4	15488.3	16134.3
60°	5324.8	5252.3	4872.0	4536.9	6212.2	10571.1	13058.4	15132.1	16698.8	15434.0	16095.1
62.5°	4600.3	4558.1	4404.1	3948.3	3655.5	6034.1	8177.3	10163.6	12813.9	12119.6	12155.8
65°	3613.2	3601.2	3706.8	3755.1	3232.9	3338.5	4171.7	5282.5	6927.6	6532.2	6194.1
67.5°	2469.2	2442.0	2641.3	3248.0	3109.1	2635.2	2442.0	2463.2	2997.4	1832.3	1455.0
70°	1569.7	1506.3	1509.3	2013.4	2529.6	2079.8	1883.6	1657.2	1491.2	271.7	307.9
72.5°	1005.2	965.9	830.1	908.6	1171.2	1014.2	1023.3	881.4	588.6	144.9	169.0
75°	422.6	389.4	298.8	238.5	235.4	147.9	129.8	120.7	81.5	81.5	87.5
77.5°	3.0	0.0	0.0	3.0	6.0	3.0	3.0	6.0	12.1	18.1	21.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P641329

CATALOG NUMBER: GWS-SA5F-760-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4	8675.4
2.5°	8723.7	8651.2	8732.7	8762.9	8759.9	8762.9	8675.4	8615.0	8612.0	8536.5	8500.3
5°	8756.9	8699.5	8759.9	8720.7	8627.1	8509.4	8352.4	8216.6	8156.2	8068.7	8026.4
7.5°	8820.3	8759.9	8750.9	8593.9	8361.5	8113.9	7836.2	7588.7	7455.9	7295.9	7305.0
10°	8865.6	8796.1	8678.4	8358.4	7972.1	7576.6	7163.1	6794.8	6562.4	6348.1	6311.8
12.5°	8883.7	8781.0	8506.4	8023.4	7480.0	6963.9	6357.1	5831.9	5469.7	5188.9	5149.7
15°	8916.9	8750.9	8286.0	7618.9	6873.3	6142.8	5370.1	4651.6	4171.7	3848.7	3875.9
17.5°	8968.2	8717.7	8038.5	7166.1	6221.3	5188.9	4144.5	3320.4	2879.7	2692.6	2695.6
20°	9040.6	8678.4	7766.8	6668.0	5439.5	4111.3	2897.8	2276.0	2152.2	2146.2	2137.2
22.5°	9137.2	8639.2	7477.0	6121.7	4512.8	2879.7	1928.9	1735.7	1787.0	1886.6	1904.7
25°	9251.9	8590.9	7154.0	5505.9	3501.6	1889.6	1445.9	1415.7	1539.5	1672.3	1702.5
27.5°	9430.0	8566.7	6785.8	4805.6	2457.1	1355.3	1183.3	1201.4	1313.1	1424.8	1451.9
30°	9731.9	8612.0	6384.3	4020.7	1578.7	1080.7	1026.3	1053.5	1113.9	1171.2	1195.4
32.5°	10142.4	8744.8	5994.9	3163.5	1125.9	938.8	926.7	941.8	965.9	999.1	1008.2
35°	10622.4	8974.2	5593.4	2263.9	929.7	857.3	845.2	845.2	857.3	863.3	866.3
37.5°	11017.8	9215.7	5216.1	1506.3	833.1	793.9	775.8	766.7	763.7	769.7	772.8
40°	11189.9	9315.3	4805.6	1095.7	763.7	736.5	709.4	682.2	682.2	703.3	706.3
42.5°	11069.1	9203.6	4331.7	905.6	715.4	676.2	633.9	609.8	621.8	643.0	649.0
45°	10812.5	8929.0	3809.4	799.9	667.1	615.8	567.5	552.4	564.5	591.6	597.7
47.5°	10770.3	8747.8	3184.6	730.5	615.8	564.5	513.2	498.1	513.2	534.3	540.3
50°	11189.9	8904.8	2490.3	670.1	567.5	510.1	467.9	452.8	461.8	473.9	480.0
52.5°	11956.6	9487.4	2010.4	612.8	510.1	455.8	428.6	410.5	410.5	422.6	425.6
55°	13088.6	10504.7	1735.7	546.4	443.7	413.5	389.4	371.3	371.3	377.3	380.3
57.5°	14392.6	11736.2	1799.1	458.8	389.4	374.3	353.2	338.1	344.1	344.1	344.1
60°	14211.5	11645.7	1925.9	386.4	344.1	338.1	320.0	313.9	329.0	317.0	310.9
62.5°	10468.4	8044.5	1008.2	317.0	295.8	289.8	277.7	289.8	310.9	277.7	265.6
65°	5083.3	3894.0	404.5	259.6	250.5	244.5	238.5	256.6	268.7	217.3	205.3
67.5°	1195.4	972.0	262.6	220.4	208.3	196.2	202.2	205.3	196.2	147.9	141.9
70°	310.9	304.9	205.3	184.1	166.0	153.9	153.9	150.9	129.8	93.6	87.5
72.5°	169.0	166.0	147.9	138.9	114.7	102.6	105.7	93.6	72.4	54.3	51.3
75°	84.5	90.6	84.5	78.5	63.4	57.4	57.4	51.3	36.2	21.1	21.1
77.5°	18.1	21.1	21.1	18.1	15.1	12.1	12.1	15.1	6.0	0.0	0.0
80°	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)