

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: P642820

Luminaire Tested: GWS-SA6D-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642820
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-SA6D-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: 29270.8 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

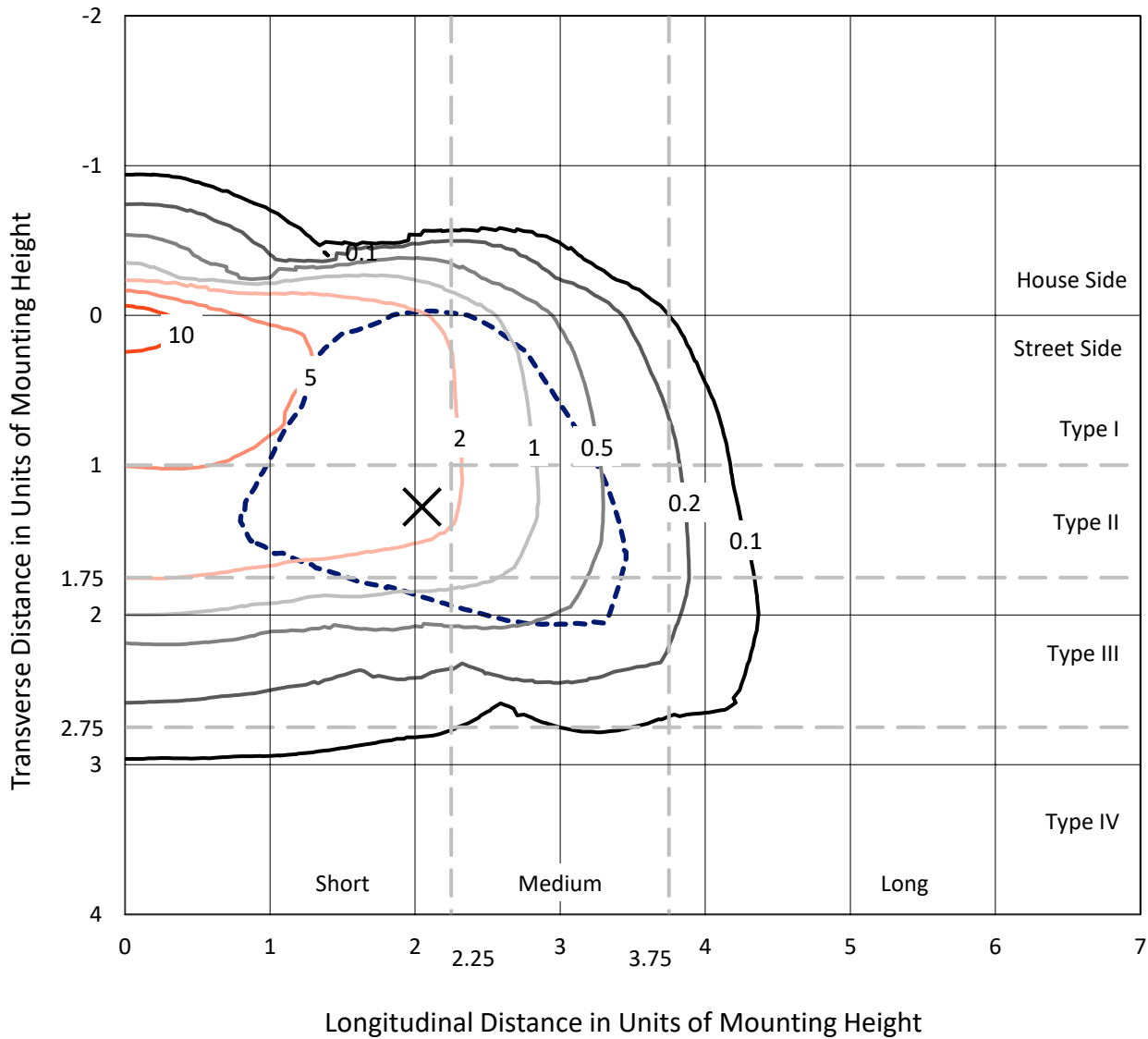
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

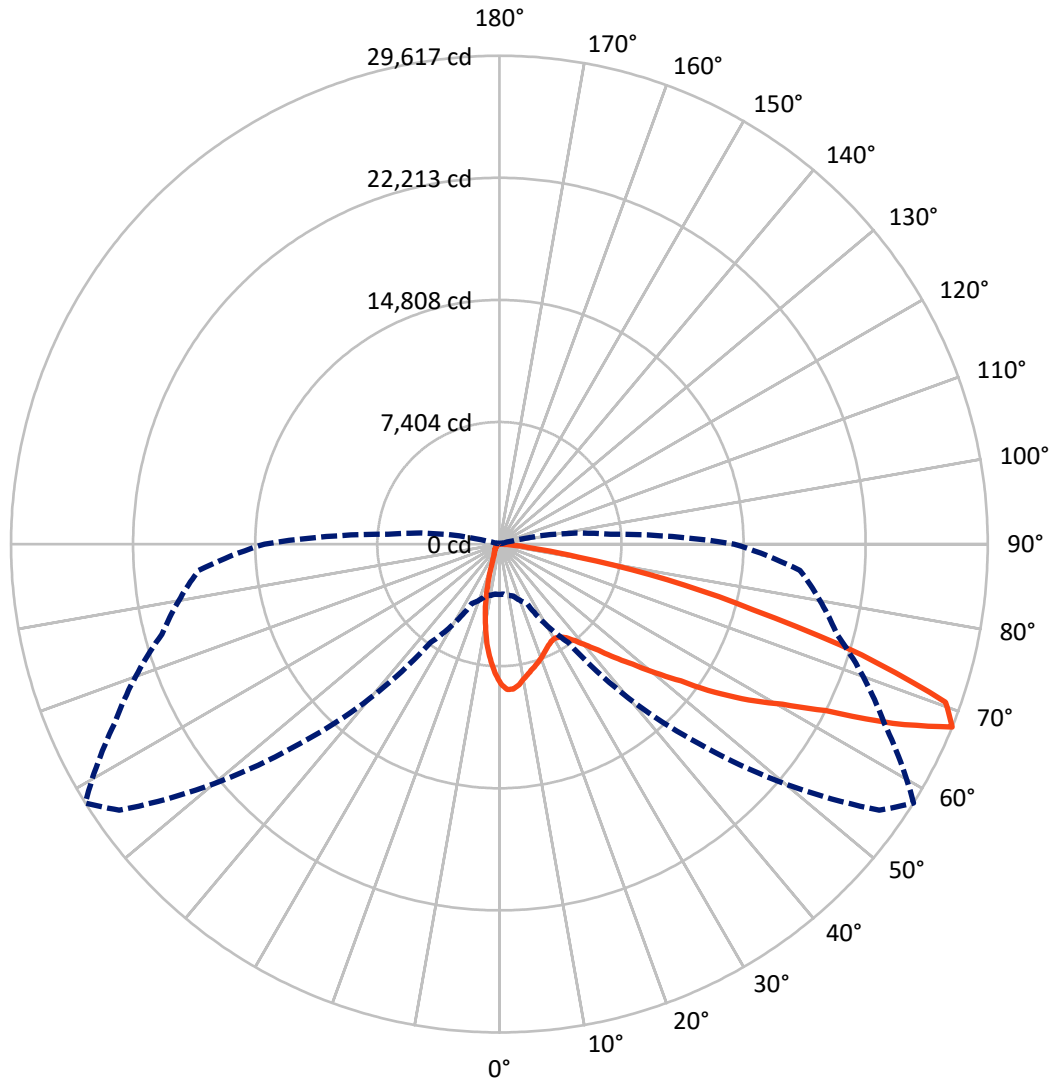
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 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	2859.6	0.0	2859.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	26411.2	0.0	26411.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	29270.8	0.0	29270.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	686.1	2.3
10°-20°	1428.2	4.9
20°-30°	1926.0	6.6
30°-40°	2706.4	9.2
40°-50°	4179.8	14.3
50°-60°	6684.0	22.8
60°-70°	7914.4	27.0
70°-80°	3501.1	12.0
80°-90°	244.8	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°	29270.8	100.0
0°-180°	29270.8	100.0

Coefficient of Utilization



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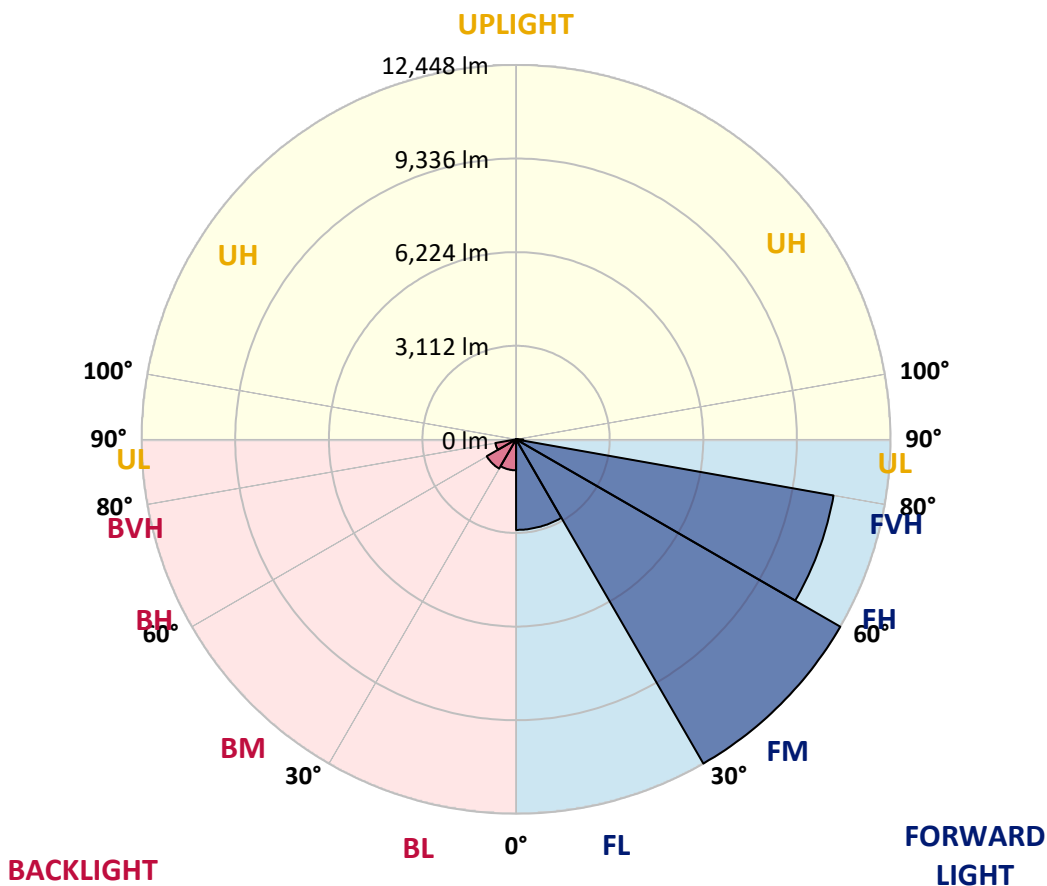
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3011.2	10.3			
FM (30°-60°)	12448.3	42.5			
FH (60°-80°)	10717.4	36.6			G4/12000
FVH (80°-90°)	234.3	0.8			G3/500
BL (0°-30°)	1029.0	3.5	B3/2500		
BM (30°-60°)	1122.0	3.8	B2/2500		
BH (60°-80°)	698.1	2.4	B2/1000		G2/1000
BVH (80°-90°)	10.4	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8443.1	8443.1	8443.1	8443.1	8443.1	8443.1	8443.1	8443.1	8443.1	8443.1	8443.1
2.5°	8880.9	8896.4	8917.2	8943.1	8937.9	8914.6	8886.1	8821.3	8779.9	8650.3	8492.3
5°	8595.9	8593.3	8645.1	8694.4	8782.5	8829.1	8893.9	8834.3	8813.5	8658.1	8401.6
7.5°	8038.9	8067.4	8127.0	8204.7	8331.7	8469.0	8624.4	8606.3	8668.5	8564.8	8246.2
10°	7492.3	7476.7	7570.0	7686.6	7880.9	8057.1	8282.4	8279.9	8443.1	8432.7	8070.0
12.5°	7013.0	7010.4	7083.0	7215.1	7443.1	7689.2	7994.9	8002.7	8204.7	8287.6	7919.8
15°	6608.9	6614.0	6684.0	6821.3	7057.1	7357.6	7712.5	7777.3	8005.2	8173.6	7772.1
17.5°	6321.3	6323.9	6365.3	6484.5	6715.1	7036.3	7463.8	7551.9	7844.6	8088.1	7652.9
20°	6189.2	6178.8	6186.6	6246.2	6424.9	6717.7	7209.9	7323.9	7697.0	8028.6	7544.1
22.5°	6207.3	6191.8	6155.5	6147.7	6228.0	6450.8	6940.5	7080.4	7536.3	7992.3	7445.7
25°	6367.9	6334.2	6282.4	6204.7	6173.6	6285.0	6704.7	6849.8	7386.1	7994.9	7370.5
27.5°	6614.0	6577.8	6513.0	6409.4	6287.6	6241.0	6544.1	6681.4	7279.9	8054.5	7334.3
30°	6927.5	6899.0	6836.8	6712.5	6549.3	6357.6	6510.4	6624.4	7228.0	8176.2	7349.8
32.5°	7298.0	7277.3	7225.4	7111.5	6924.9	6632.2	6624.4	6712.5	7269.5	8352.4	7409.4
35°	7655.5	7663.3	7665.9	7603.7	7404.2	7049.3	6937.9	6969.0	7440.5	8616.6	7544.1
37.5°	8041.5	8023.4	8116.6	8160.7	7969.0	7590.7	7422.3	7424.9	7766.9	9007.8	7798.0
40°	8334.3	8339.4	8541.5	8722.9	8642.6	8277.3	8036.3	8033.7	8269.5	9544.1	8207.3
42.5°	8608.9	8642.6	8940.5	9251.4	9362.8	9038.9	8865.4	8800.6	8974.2	10269.5	8821.3
45°	8901.6	8950.8	9368.0	9811.0	10103.7	9912.0	9774.7	9800.6	9821.3	11114.1	9647.7
47.5°	9243.6	9274.7	9790.2	10414.6	10961.2	10912.0	10919.8	10888.7	10878.3	12178.9	10741.0
50°	9658.1	9730.6	10323.9	11070.0	11816.2	12142.6	12251.4	12264.3	12096.0	13339.5	11873.2
52.5°	10538.9	10627.0	11134.8	11787.7	12748.8	13435.3	13878.3	13790.3	13531.2	14463.8	13114.1
55°	11577.8	11645.2	12134.8	12811.0	13888.7	14852.5	15904.3	15868.0	15233.3	15647.8	14134.8
57.5°	11676.3	11751.4	12510.5	13546.7	15352.5	16603.8	17710.0	17826.6	16896.5	16487.2	15046.8
60°	10570.0	10722.9	11759.2	13153.0	15912.0	18958.7	19689.3	19712.6	18116.7	17339.5	16160.8
62.5°	8471.6	8544.1	9588.2	11406.8	15049.3	20331.8	22712.6	22220.4	19684.1	18658.2	17925.0
65°	4440.4	4735.8	5645.1	7658.1	12204.8	19852.5	26350.0	26215.2	22502.8	20546.8	19298.1
67.5°	3046.7	3044.1	3259.1	3992.3	7277.3	17093.4	28134.9	29616.8	25761.9	21194.5	18303.3
70°	2318.7	2326.4	2518.2	2994.8	3769.5	11378.3	26176.4	28710.1	26368.1	19243.7	14803.2
72.5°	1538.9	1554.4	1873.1	2419.7	3010.4	5577.8	20342.1	22971.7	22186.7	15456.1	10419.8
75°	919.7	932.6	1160.6	1759.1	2676.2	3121.8	12925.0	15881.0	15272.1	10652.9	5585.5
77.5°	378.2	388.6	595.9	1095.9	1958.6	2424.9	7147.7	10391.3	9147.7	4235.8	1525.9
80°	158.0	163.2	287.6	766.8	1411.9	1520.7	3310.9	4883.5	3748.7	911.9	466.3
82.5°	57.0	59.6	106.2	422.3	878.2	1145.1	1671.0	1930.1	1057.0	297.9	251.3
85°	2.6	2.6	25.9	142.5	334.2	323.8	956.0	924.9	349.7	124.4	150.3
87.5°	0.0	0.0	2.6	2.6	5.2	13.0	90.7	160.6	75.1	31.1	64.8
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°	8443.1	8443.1	8443.1	8443.1	8443.1	8443.1	8443.1	8443.1	8443.1	8443.1	8443.1
2.5°	8388.7	8251.4	8101.1	7961.2	7738.4	7606.3	7443.1	7370.5	7266.9	7241.0	7256.5
5°	8217.7	7981.9	7621.8	7295.4	6873.1	6533.7	6191.8	6046.7	5860.2	5735.8	5684.0
7.5°	7976.7	7668.5	7106.3	6513.0	5932.7	5313.5	4842.0	4531.1	4248.7	4093.3	4062.2
10°	7733.2	7331.7	6526.0	5676.2	4777.2	4036.3	3399.0	2927.5	2544.1	2370.5	2235.8
12.5°	7481.9	6981.9	5935.3	4826.5	3782.4	2772.0	1984.5	1525.9	1251.3	1142.5	1160.6
15°	7251.4	6645.1	5349.8	3976.7	2663.2	1673.6	1095.9	924.9	860.1	839.4	836.8
17.5°	7031.1	6326.5	4766.9	3150.3	1756.5	1025.9	839.4	797.9	779.8	769.4	769.4
20°	6831.7	6020.8	4196.9	2373.1	1134.7	813.5	759.1	738.3	722.8	715.0	715.0
22.5°	6645.1	5725.4	3639.9	1678.8	836.8	730.6	696.9	676.2	658.0	647.7	647.7
25°	6476.7	5458.6	3108.8	1155.4	720.2	668.4	632.1	608.8	577.7	559.6	559.6
27.5°	6355.0	5220.2	2598.5	842.0	650.3	601.0	559.6	528.5	494.8	474.1	468.9
30°	6282.4	5018.2	2082.9	691.7	585.5	536.3	489.6	450.8	411.9	391.2	388.6
32.5°	6241.0	4831.6	1611.4	603.6	531.1	474.1	422.3	380.8	342.0	318.7	316.1
35°	6256.5	4686.6	1207.3	544.0	479.3	419.7	362.7	321.2	287.6	266.8	261.7
37.5°	6391.2	4621.8	906.7	497.4	435.2	373.1	313.5	274.6	243.5	228.0	225.4
40°	6652.9	4634.8	712.4	461.1	399.0	326.4	269.4	233.2	209.8	196.9	194.3
42.5°	7059.6	4743.6	588.1	430.1	360.1	285.0	233.2	204.7	181.3	168.4	165.8
45°	7665.9	4969.0	513.0	393.8	318.7	246.1	202.1	176.2	155.4	139.9	137.3
47.5°	8544.1	5360.1	463.7	360.1	282.4	212.4	173.6	147.7	129.5	116.6	114.0
50°	9479.4	5829.1	422.3	326.4	251.3	183.9	147.7	121.8	106.2	93.3	90.7
52.5°	10476.8	6334.2	391.2	295.3	222.8	158.0	124.4	101.0	85.5	72.5	69.9
55°	11435.3	6842.0	354.9	274.6	189.1	134.7	103.6	82.9	67.4	57.0	57.0
57.5°	12368.0	7308.3	316.1	240.9	155.4	114.0	85.5	67.4	54.4	46.6	44.0
60°	13482.0	7953.4	272.0	204.7	129.5	95.9	69.9	54.4	44.0	36.3	36.3
62.5°	15137.4	8624.4	233.2	171.0	108.8	80.3	57.0	44.0	36.3	31.1	28.5
65°	15678.9	8261.7	196.9	139.9	88.1	64.8	46.6	38.9	31.1	28.5	25.9
67.5°	14233.3	6772.1	163.2	114.0	72.5	54.4	41.5	33.7	28.5	25.9	23.3
70°	11106.3	4805.7	126.9	85.5	59.6	44.0	36.3	31.1	25.9	23.3	23.3
72.5°	7554.5	2842.0	101.0	64.8	49.2	38.9	31.1	28.5	25.9	23.3	20.7
75°	3720.2	1010.4	77.7	49.2	38.9	33.7	28.5	25.9	23.3	20.7	20.7
77.5°	1002.6	279.8	59.6	38.9	31.1	25.9	25.9	25.9	23.3	18.1	18.1
80°	339.4	116.6	44.0	28.5	25.9	20.7	18.1	23.3	20.7	18.1	15.5
82.5°	186.5	57.0	31.1	23.3	18.1	15.5	15.5	15.5	15.5	13.0	13.0
85°	119.2	31.1	20.7	18.1	18.1	13.0	10.4	10.4	7.8	7.8	7.8
87.5°	54.4	18.1	18.1	15.5	15.5	13.0	7.8	5.2	2.6	2.6	2.6
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)