

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: P642710

Luminaire Tested: GWS-SA6D-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642710
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29012.7 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

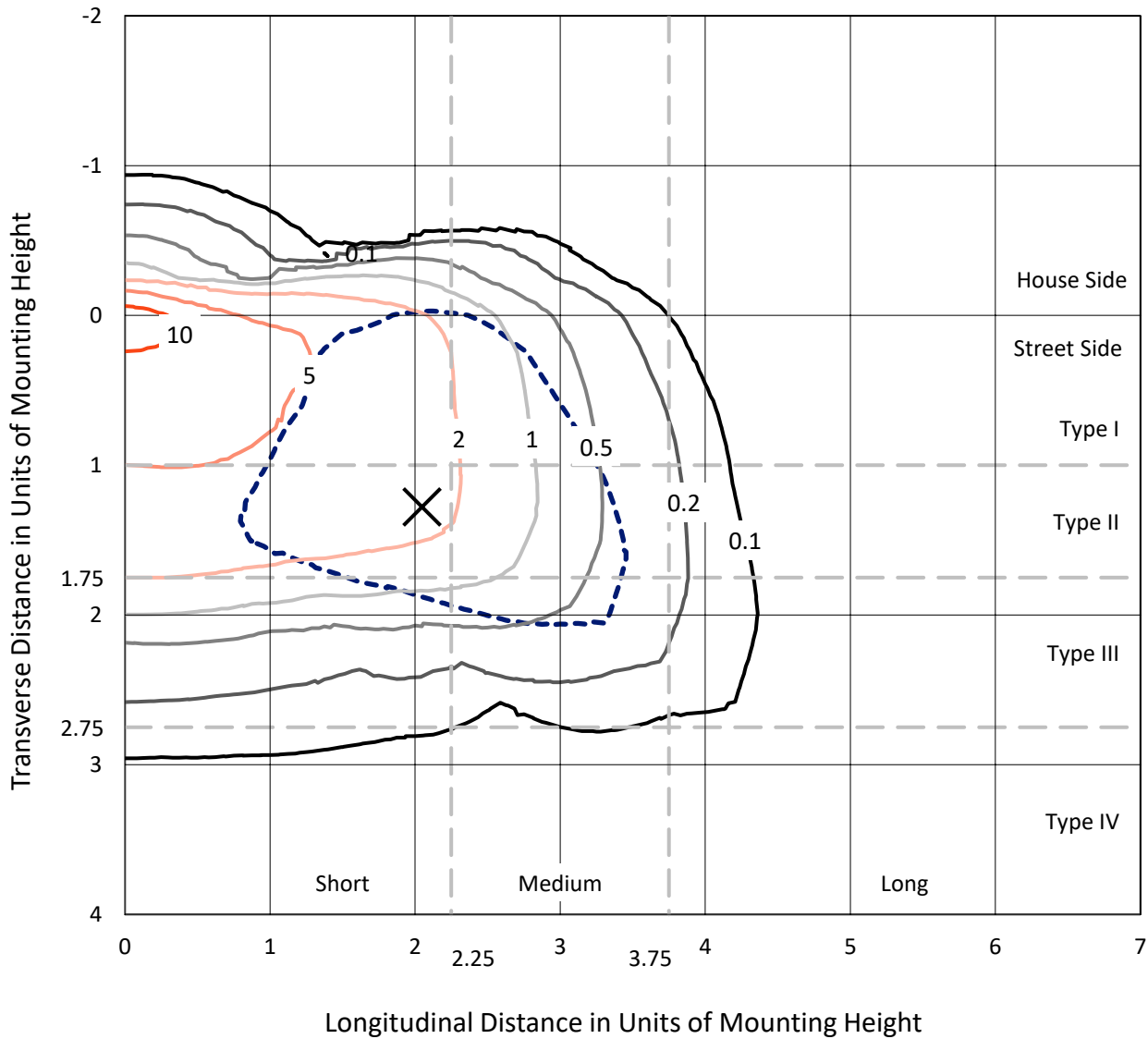
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

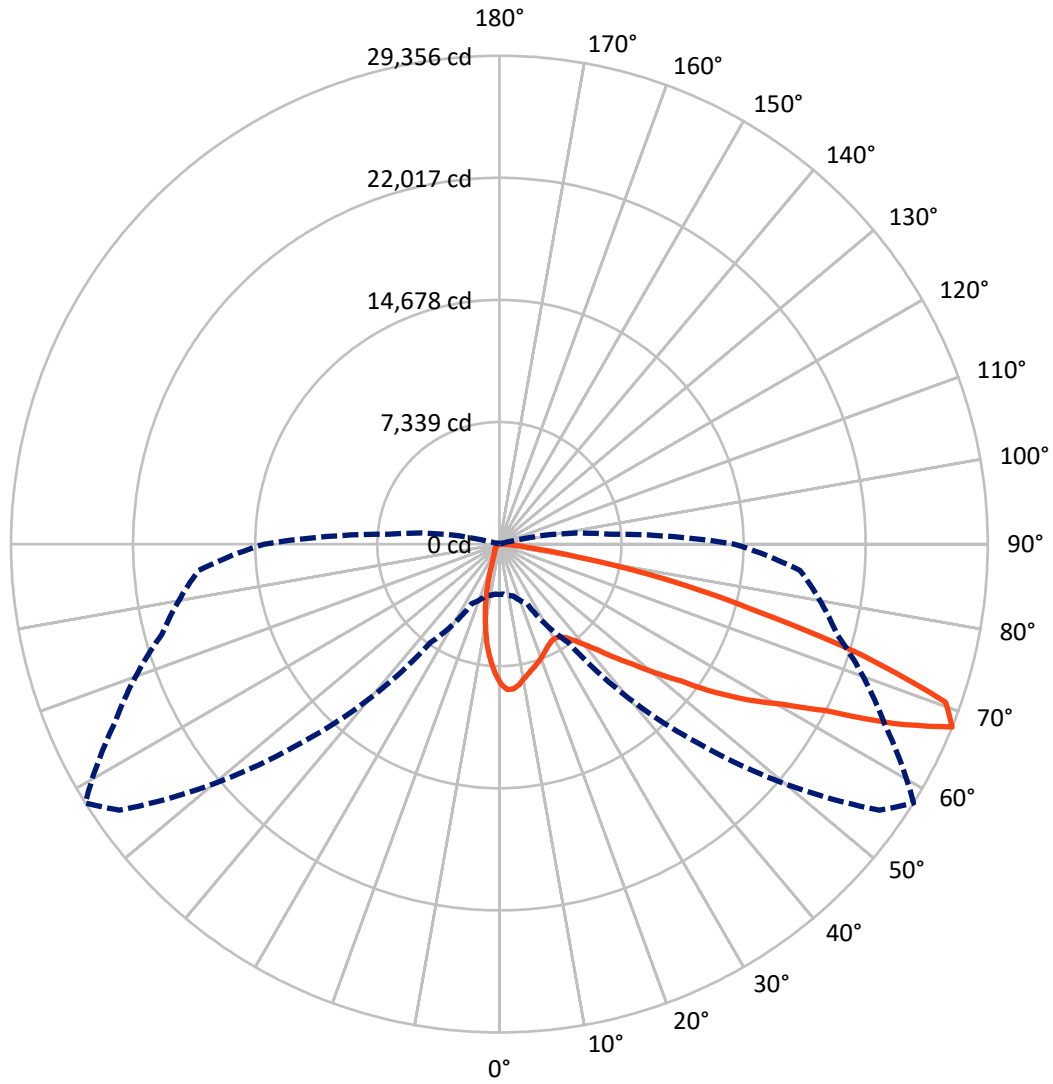
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 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	2834.4	0.0	2834.4
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	26178.4	0.0	26178.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	29012.7	0.0	29012.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.0	2.3
10°-20°	1415.6	4.9
20°-30°	1909.0	6.6
30°-40°	2682.5	9.2
40°-50°	4142.9	14.3
50°-60°	6625.1	22.8
60°-70°	7844.6	27.0
70°-80°	3470.3	12.0
80°-90°	242.6	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°	29012.7	100.0
0°-180°	29012.7	100.0

Coefficient of Utilization



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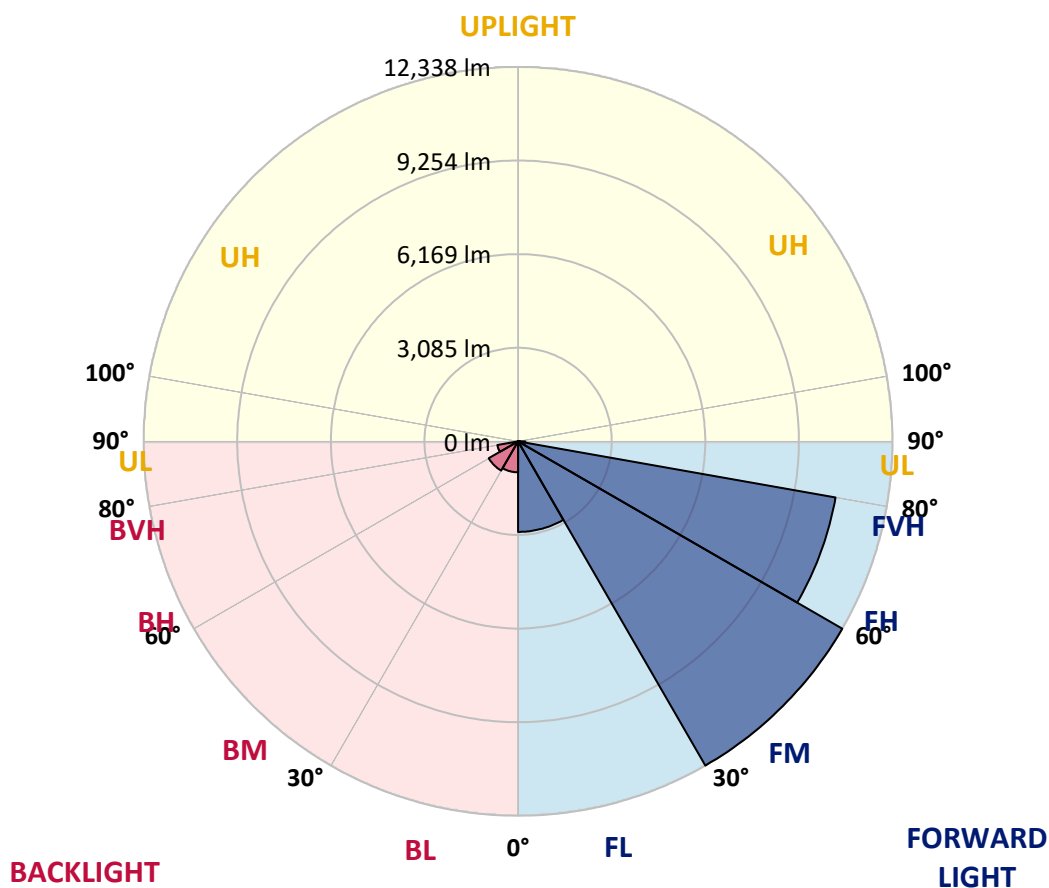
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2984.7	10.3			
FM (30°-60°)	12338.5	42.5			
FH (60°-80°)	10622.9	36.6			G4/12000
FVH (80°-90°)	232.3	0.8			G3/500
BL (0°-30°)	1020.0	3.5	B3/2500		
BM (30°-60°)	1112.1	3.8	B2/2500		
BH (60°-80°)	692.0	2.4	B2/1000		G2/1000
BVH (80°-90°)	10.3	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°	8368.6	8368.6	8368.6	8368.6	8368.6	8368.6	8368.6	8368.6	8368.6	8368.6	8368.6
2.5°	8802.6	8818.0	8838.5	8864.2	8859.1	8836.0	8807.7	8743.5	8702.4	8574.1	8417.4
5°	8520.1	8517.6	8568.9	8617.7	8705.0	8751.2	8815.4	8756.4	8735.8	8581.8	8327.5
7.5°	7968.0	7996.3	8055.3	8132.4	8258.2	8394.3	8548.4	8530.4	8592.0	8489.3	8173.5
10°	7426.2	7410.8	7503.3	7618.8	7811.4	7986.0	8209.4	8206.8	8368.6	8358.4	7998.9
12.5°	6951.2	6948.6	7020.5	7151.5	7377.4	7621.4	7924.4	7932.1	8132.4	8214.6	7849.9
15°	6550.6	6555.7	6625.1	6761.2	6994.8	7292.7	7644.5	7708.7	7934.7	8101.6	7703.6
17.5°	6265.6	6268.1	6309.2	6427.3	6655.9	6974.3	7398.0	7485.3	7775.5	8016.8	7585.4
20°	6134.6	6124.3	6132.0	6191.1	6368.3	6658.4	7146.3	7259.3	7629.1	7957.8	7477.6
22.5°	6152.6	6137.2	6101.2	6093.5	6173.1	6393.9	6879.3	7017.9	7469.9	7921.8	7380.0
25°	6311.8	6278.4	6227.0	6150.0	6119.2	6229.6	6645.6	6789.4	7320.9	7924.4	7305.5
27.5°	6555.7	6519.8	6455.6	6352.9	6232.2	6186.0	6486.4	6622.5	7215.7	7983.4	7269.6
30°	6866.4	6838.2	6776.6	6653.3	6491.5	6301.5	6453.0	6566.0	7164.3	8104.1	7285.0
32.5°	7233.6	7213.1	7161.7	7048.7	6863.9	6573.7	6566.0	6653.3	7205.4	8278.7	7344.1
35°	7588.0	7595.7	7598.3	7536.6	7338.9	6987.1	6876.7	6907.5	7374.9	8540.7	7477.6
37.5°	7970.6	7952.6	8045.1	8088.7	7898.7	7523.8	7356.9	7359.5	7698.4	8928.4	7729.2
40°	8260.8	8265.9	8466.2	8646.0	8566.3	8204.3	7965.5	7962.9	8196.6	9460.0	8134.9
42.5°	8533.0	8566.3	8861.7	9169.8	9280.2	8959.2	8787.2	8723.0	8895.0	10179.0	8743.5
45°	8823.1	8871.9	9285.3	9724.4	10014.6	9824.6	9688.5	9714.2	9734.7	11016.1	9562.7
47.5°	9162.1	9192.9	9703.9	10322.8	10864.6	10815.8	10823.5	10792.7	10782.4	12071.5	10646.3
50°	9572.9	9644.8	10232.9	10972.4	11712.0	12035.5	12143.4	12156.2	11989.3	13221.9	11768.5
52.5°	10446.0	10533.3	11036.6	11683.7	12636.4	13316.9	13756.0	13668.7	13411.9	14336.3	12998.5
55°	11475.7	11542.5	12027.8	12698.0	13766.2	14721.5	15764.0	15728.1	15099.0	15509.8	14010.2
57.5°	11573.3	11647.8	12400.1	13427.3	15217.1	16457.4	17553.8	17669.4	16747.5	16341.8	14914.1
60°	10476.8	10628.3	11655.5	13037.0	15771.7	18791.5	19515.7	19538.8	17957.0	17186.6	16018.3
62.5°	8396.9	8468.8	9503.6	11306.2	14916.6	20152.5	22512.3	22024.5	19510.5	18493.7	17767.0
65°	4401.3	4694.0	5595.3	7590.6	12097.1	19677.4	26117.6	25984.1	22304.3	20365.6	19127.9
67.5°	3019.8	3017.2	3230.4	3957.1	7213.1	16942.7	27886.9	29355.7	25534.7	21007.6	18141.9
70°	2298.2	2305.9	2496.0	2968.4	3736.2	11278.0	25945.6	28456.9	26135.6	19074.0	14672.7
72.5°	1525.3	1540.7	1856.6	2398.4	2983.8	5528.6	20162.8	22769.1	21991.1	15319.8	10327.9
75°	911.6	924.4	1150.4	1743.6	2652.6	3094.3	12811.0	15740.9	15137.5	10559.0	5536.3
77.5°	374.9	385.2	590.6	1086.2	1941.3	2403.5	7084.7	10299.6	9067.1	4198.4	1512.5
80°	156.6	161.8	285.0	760.1	1399.5	1507.3	3281.7	4840.4	3715.7	903.9	462.2
82.5°	56.5	59.1	105.3	418.6	870.5	1135.0	1656.3	1913.0	1047.7	295.3	249.1
85°	2.6	2.6	25.7	141.2	331.3	321.0	947.5	916.7	346.7	123.3	148.9
87.5°	0.0	0.0	2.6	2.6	5.1	12.8	89.9	159.2	74.5	30.8	64.2
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°	8368.6	8368.6	8368.6	8368.6	8368.6	8368.6	8368.6	8368.6	8368.6	8368.6	8368.6
2.5°	8314.7	8178.6	8029.7	7891.0	7670.2	7539.2	7377.4	7305.5	7202.8	7177.1	7192.5
5°	8145.2	7911.5	7554.6	7231.1	6812.5	6476.1	6137.2	5993.4	5808.5	5685.2	5633.9
7.5°	7906.4	7600.8	7043.6	6455.6	5880.4	5266.7	4799.3	4491.2	4211.3	4057.2	4026.4
10°	7665.0	7267.0	6468.4	5626.2	4735.1	4000.7	3369.0	2901.7	2521.6	2349.6	2216.1
12.5°	7416.0	6920.4	5882.9	4783.9	3749.1	2747.6	1967.0	1512.5	1240.3	1132.4	1150.4
15°	7187.4	6586.5	5302.6	3941.7	2639.8	1658.8	1086.2	916.7	852.5	832.0	829.4
17.5°	6969.1	6270.7	4724.8	3122.5	1741.0	1016.9	832.0	790.9	772.9	762.7	762.7
20°	6771.4	5967.7	4159.9	2352.2	1124.7	806.3	752.4	731.8	716.4	708.7	708.7
22.5°	6586.5	5674.9	3607.8	1664.0	829.4	724.1	690.8	670.2	652.2	642.0	642.0
25°	6419.6	5410.5	3081.4	1145.3	713.9	662.5	626.6	603.4	572.6	554.7	554.7
27.5°	6298.9	5174.2	2575.6	834.6	644.5	595.7	554.7	523.8	490.5	469.9	464.8
30°	6227.0	4973.9	2064.6	685.6	580.3	531.5	485.3	446.8	408.3	387.7	385.2
32.5°	6186.0	4789.0	1597.2	598.3	526.4	469.9	418.6	377.5	339.0	315.8	313.3
35°	6201.4	4645.2	1196.6	539.2	475.1	416.0	359.5	318.4	285.0	264.5	259.4
37.5°	6334.9	4581.0	898.7	493.0	431.4	369.8	310.7	272.2	241.4	226.0	223.4
40°	6594.2	4593.9	706.2	457.1	395.4	323.5	267.1	231.1	208.0	195.2	192.6
42.5°	6997.4	4701.7	582.9	426.3	356.9	282.5	231.1	202.9	179.7	166.9	164.3
45°	7598.3	4925.1	508.4	390.3	315.8	243.9	200.3	174.6	154.1	138.7	136.1
47.5°	8468.8	5312.9	459.6	356.9	279.9	210.6	172.0	146.4	128.4	115.6	113.0
50°	9395.8	5777.7	418.6	323.5	249.1	182.3	146.4	120.7	105.3	92.4	89.9
52.5°	10384.4	6278.4	387.7	292.7	220.8	156.6	123.3	100.1	84.7	71.9	69.3
55°	11334.5	6781.7	351.8	272.2	187.5	133.5	102.7	82.2	66.8	56.5	56.5
57.5°	12258.9	7243.9	313.3	238.8	154.1	113.0	84.7	66.8	53.9	46.2	43.7
60°	13363.1	7883.3	269.6	202.9	128.4	95.0	69.3	53.9	43.7	35.9	35.9
62.5°	15003.9	8548.4	231.1	169.5	107.8	79.6	56.5	43.7	35.9	30.8	28.2
65°	15540.6	8188.9	195.2	138.7	87.3	64.2	46.2	38.5	30.8	28.2	25.7
67.5°	14107.8	6712.4	161.8	113.0	71.9	53.9	41.1	33.4	28.2	25.7	23.1
70°	11008.4	4763.4	125.8	84.7	59.1	43.7	35.9	30.8	25.7	23.1	23.1
72.5°	7487.9	2816.9	100.1	64.2	48.8	38.5	30.8	28.2	25.7	23.1	20.5
75°	3687.4	1001.5	77.0	48.8	38.5	33.4	28.2	25.7	23.1	20.5	20.5
77.5°	993.8	277.3	59.1	38.5	30.8	25.7	25.7	25.7	23.1	18.0	18.0
80°	336.4	115.6	43.7	28.2	25.7	20.5	18.0	23.1	20.5	18.0	15.4
82.5°	184.9	56.5	30.8	23.1	18.0	15.4	15.4	15.4	15.4	12.8	12.8
85°	118.1	30.8	20.5	18.0	18.0	12.8	10.3	10.3	7.7	7.7	7.7
87.5°	53.9	18.0	18.0	15.4	15.4	12.8	7.7	5.1	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)