

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: P642322

Luminaire Tested: GWS-SA6C-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28151.4 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

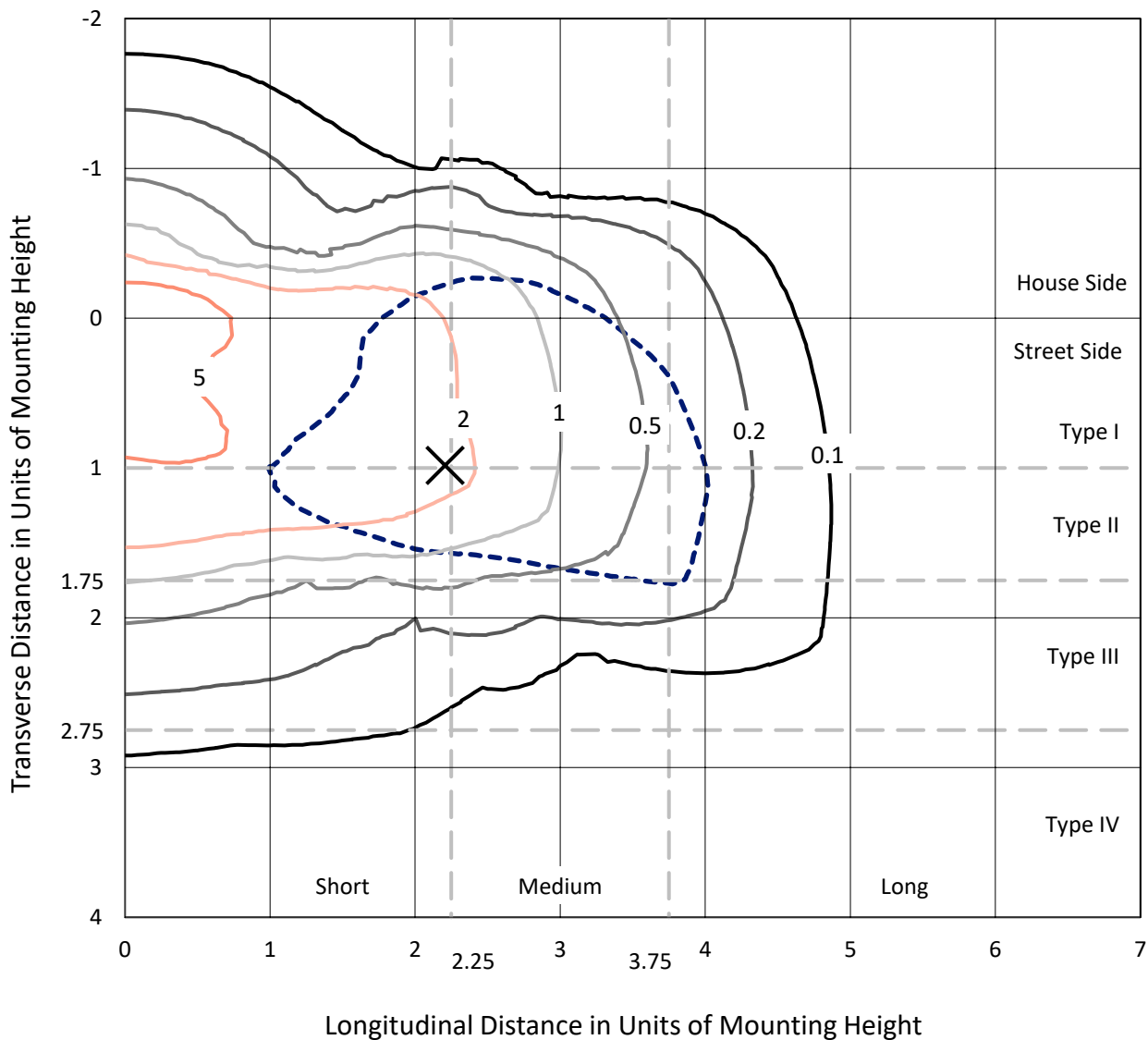
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642322
 CATALOG NUMBER: GWS-SA6C-760-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

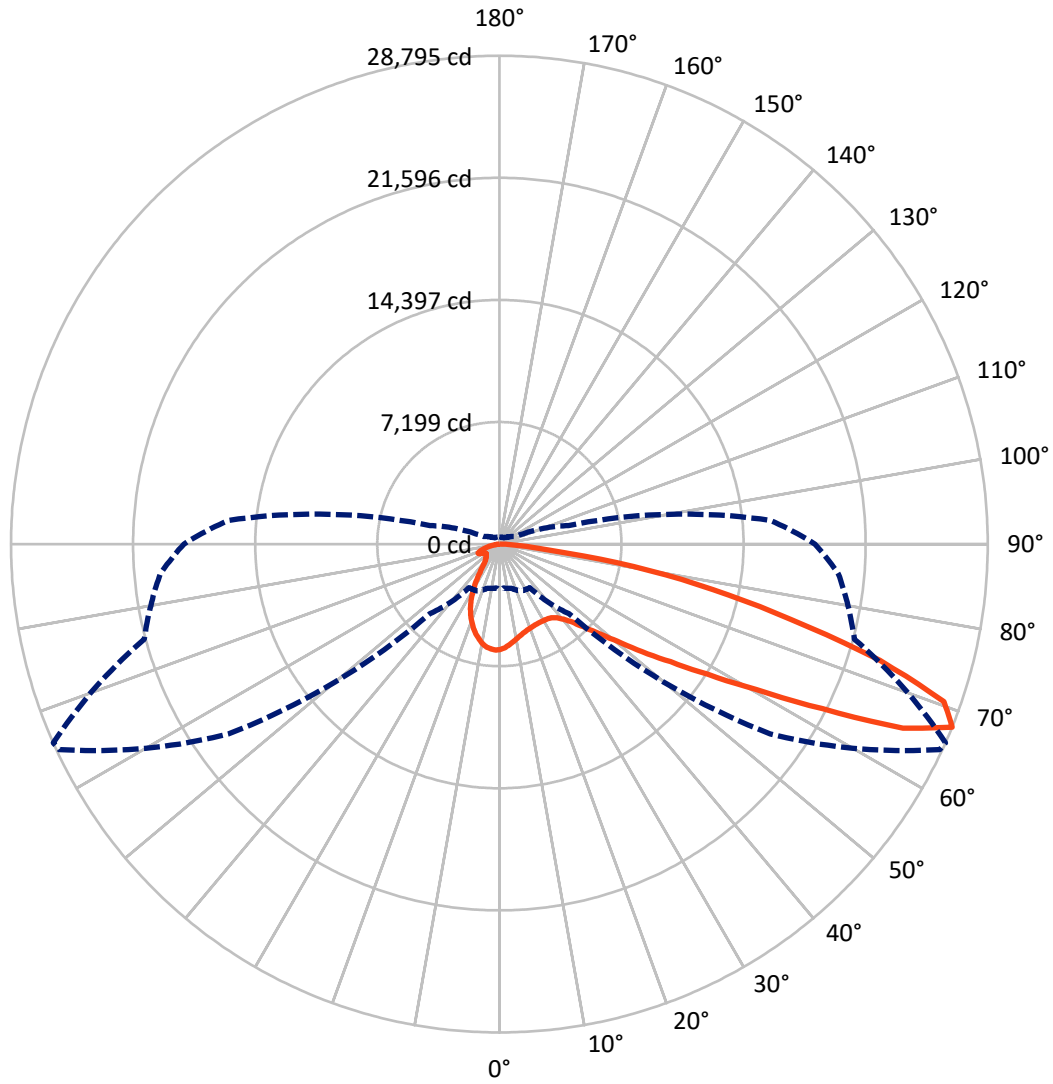
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type II - Short - N/A

REPORT NUMBER: P642322
CATALOG NUMBER: GWS-SA6C-760-U-SL2-W

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5712.6	0.0	5712.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	22438.8	0.0	22438.8
	% Fixture	79.7	0.0	79.7
Total	Lumens	28151.4	0.0	28151.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.9	1.9
10°-20°	1341.7	4.8
20°-30°	1844.2	6.6
30°-40°	2521.4	9.0
40°-50°	3820.5	13.6
50°-60°	5939.1	21.1
60°-70°	7230.8	25.7
70°-80°	4404.6	15.6
80°-90°	503.1	1.8
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°	28151.4	100.0
0°-180°	28151.4	100.0

Coefficient of Utilization



REPORT NUMBER: P642322

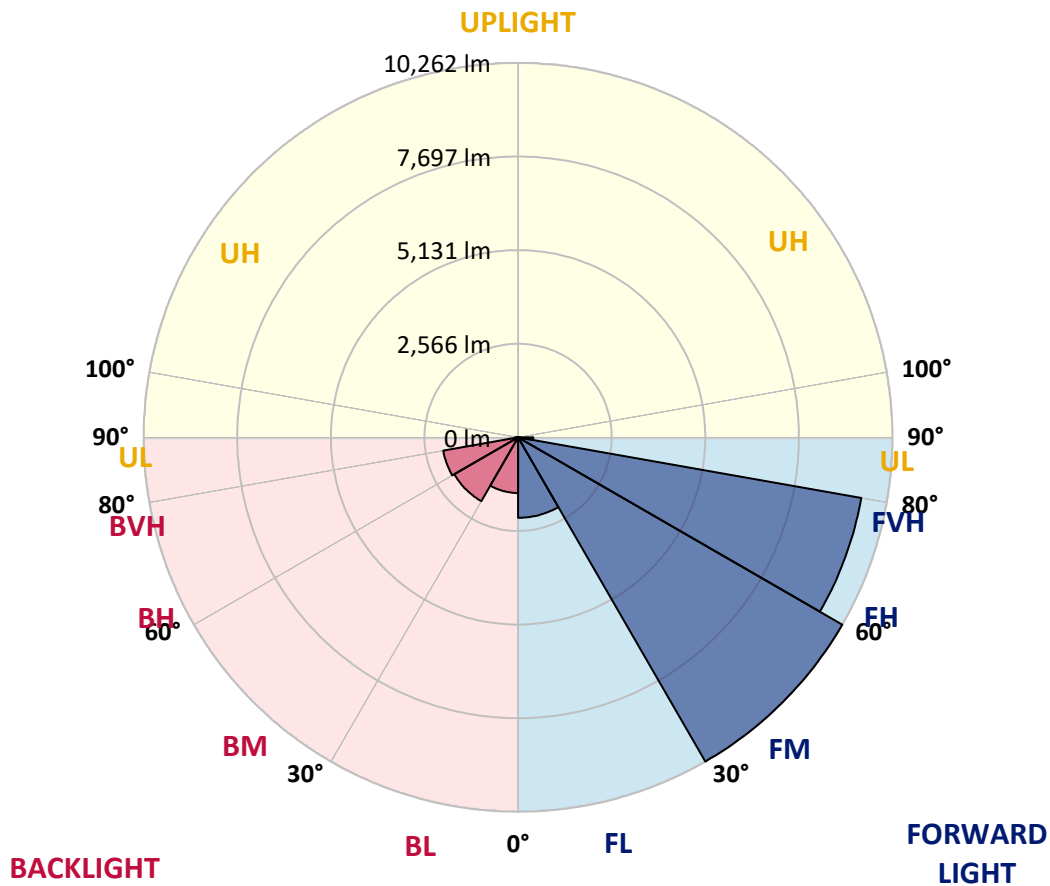
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2205.8	7.8			
FM (30°-60°)	10262.3	36.5			
FH (60°-80°)	9552.5	33.9			G4/12000
FVH (80°-90°)	418.3	1.5			G3/500
BL (0°-30°)	1526.1	5.4	B3/2500		
BM (30°-60°)	2018.8	7.2	B2/2500		
BH (60°-80°)	2082.9	7.4	B3/2500		G3/2500
BVH (80°-90°)	84.8	0.3			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 II Short





REPORT NUMBER: P642322

CATALOG NUMBER: GWS-SA6C-760-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6220.7	6220.7	6220.7	6220.7	6220.7	6220.7	6220.7	6220.7	6220.7	6220.7	6220.7
2.5°	5826.3	5846.9	5834.6	5912.6	5916.7	6015.3	6070.7	6118.0	6122.1	6183.7	6224.8
5°	5427.9	5440.3	5440.3	5514.2	5563.5	5694.9	5822.2	5957.8	5968.1	6115.9	6228.9
7.5°	5105.5	5117.8	5109.6	5208.2	5271.9	5417.7	5579.9	5787.3	5807.9	6046.1	6243.3
10°	4852.9	4848.8	4869.3	4959.7	5041.8	5216.4	5397.1	5633.3	5664.1	5966.0	6259.7
12.5°	4680.4	4684.5	4696.8	4791.3	4879.6	5052.1	5239.0	5495.7	5528.6	5873.6	6251.5
15°	4598.2	4590.0	4600.3	4686.5	4770.7	4922.7	5115.8	5380.7	5413.6	5791.4	6253.5
17.5°	4579.8	4573.6	4571.5	4633.1	4696.8	4838.5	5023.4	5292.4	5327.3	5738.0	6265.8
20°	4637.3	4629.0	4606.5	4633.1	4659.8	4779.0	4957.6	5228.7	5267.7	5703.1	6290.5
22.5°	4795.4	4781.0	4746.1	4713.2	4678.3	4750.2	4916.6	5181.5	5220.5	5680.5	6315.1
25°	5035.7	5023.4	4986.4	4912.5	4785.1	4772.8	4908.3	5161.0	5200.0	5664.1	6325.4
27.5°	5366.3	5347.8	5310.9	5204.1	4996.7	4857.0	4939.2	5158.9	5195.9	5645.6	6315.1
30°	5758.6	5746.3	5725.7	5596.3	5319.1	5035.7	5009.0	5175.3	5204.1	5635.4	6294.6
32.5°	6157.0	6144.7	6161.1	6099.5	5758.6	5331.4	5161.0	5220.5	5241.0	5633.3	6276.1
35°	6508.2	6522.6	6641.7	6651.9	6317.2	5731.9	5401.2	5325.2	5329.4	5674.4	6284.3
37.5°	6875.8	6931.2	7087.3	7220.8	6941.5	6261.7	5758.6	5522.4	5518.3	5779.1	6335.7
40°	7362.5	7387.2	7586.4	7836.9	7662.4	6988.7	6265.8	5844.8	5816.1	5992.7	6473.3
42.5°	7836.9	7896.5	8214.8	8502.3	8444.8	7808.2	6904.5	6327.5	6276.1	6370.6	6756.7
45°	8440.7	8498.2	8855.6	9225.2	9330.0	8734.4	7721.9	7013.4	6962.0	6939.5	7276.3
47.5°	9044.5	9104.1	9424.4	9958.4	10326.0	9892.7	8785.7	7919.1	7834.9	7746.6	8060.8
50°	9451.1	9521.0	9827.0	10467.7	11330.3	11338.5	10046.7	9106.1	8999.3	8859.7	9165.7
52.5°	9436.8	9481.9	9773.6	10512.9	12053.2	12999.9	11734.8	10617.6	10531.4	10227.4	10494.4
55°	8695.4	8763.1	9056.8	9981.0	12131.2	14575.1	14215.7	12400.2	12246.2	11702.0	11995.7
57.5°	7206.4	7263.9	7559.7	8699.5	11439.1	15382.2	17366.1	14671.6	14460.1	13308.0	13646.8
60°	5440.3	5370.4	5510.1	6508.2	9783.8	15402.8	20146.8	17752.2	17399.0	15024.9	15308.3
62.5°	4082.8	4012.9	4043.7	4325.1	6633.5	14158.2	21732.3	21966.4	21383.1	16963.6	16908.1
65°	3226.4	3187.3	3275.7	3468.7	3867.1	10781.9	21744.6	26523.5	26155.9	19210.3	18549.0
67.5°	2628.7	2604.1	2694.5	3051.8	3136.0	5793.5	19497.8	28651.2	28794.9	21670.7	20070.8
70°	2117.4	2080.4	2222.1	2692.4	2916.3	3505.7	13967.2	27566.8	27798.9	23137.0	19641.6
72.5°	1462.2	1464.3	1536.2	2181.0	2815.6	3027.2	7900.6	22954.2	23457.4	21808.3	17267.5
75°	985.8	994.0	1014.5	1439.6	2593.8	2936.8	4210.1	17378.4	17733.7	18025.3	14273.2
77.5°	595.6	599.7	646.9	870.8	1788.8	2741.7	2852.6	12597.4	12876.7	11882.7	8847.3
80°	345.0	359.4	402.5	583.3	1207.6	2059.9	2207.7	7724.0	8040.2	5282.1	2811.5
82.5°	152.0	162.2	219.7	338.9	704.4	1751.8	1723.1	3051.8	3006.6	1472.5	975.5
85°	26.7	32.9	47.2	106.8	258.8	924.2	1337.0	1347.2	1267.1	558.6	404.6
87.5°	0.0	0.0	0.0	0.0	0.0	6.2	201.3	361.5	359.4	158.1	139.7
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°	6220.7	6220.7	6220.7	6220.7	6220.7	6220.7	6220.7	6220.7	6220.7	6220.7	6220.7
2.5°	6251.5	6196.0	6245.3	6251.5	6241.2	6233.0	6171.4	6118.0	6111.8	6054.3	6054.3
5°	6274.1	6222.7	6247.4	6200.1	6126.2	6050.2	5918.8	5828.4	5787.3	5713.4	5713.4
7.5°	6304.9	6251.5	6222.7	6105.7	5933.1	5766.8	5555.3	5378.6	5306.8	5202.0	5197.9
10°	6333.6	6265.8	6167.3	5939.3	5664.1	5399.2	5091.1	4840.6	4670.1	4544.8	4544.8
12.5°	6331.6	6243.3	6048.1	5711.3	5331.4	4947.4	4536.6	4158.7	3932.8	3737.7	3725.4
15°	6327.5	6206.3	5896.2	5446.4	4943.3	4411.3	3852.7	3359.9	3025.1	2834.1	2817.7
17.5°	6323.3	6159.0	5725.7	5144.5	4470.9	3746.0	3008.7	2474.7	2195.4	2078.3	2082.5
20°	6323.3	6105.7	5542.9	4797.4	3926.7	2949.1	2207.7	1819.6	1749.8	1755.9	1762.1
22.5°	6304.9	6039.9	5339.6	4419.6	3320.8	2168.7	1628.6	1497.1	1534.1	1591.6	1599.8
25°	6261.7	5931.1	5103.4	4000.6	2600.0	1579.3	1328.7	1304.1	1371.9	1443.8	1464.3
27.5°	6194.0	5805.8	4838.5	3509.8	1914.0	1269.2	1168.6	1166.5	1219.9	1273.3	1291.8
30°	6122.1	5666.2	4559.2	2963.5	1386.2	1104.9	1065.9	1065.9	1092.6	1125.4	1121.3
32.5°	6037.9	5524.5	4259.4	2394.6	1129.5	1012.5	1000.2	994.0	998.1	1010.4	1010.4
35°	5966.0	5399.2	3951.3	1792.9	1012.5	961.1	948.8	934.4	928.3	920.1	924.2
37.5°	5939.3	5300.6	3633.0	1351.3	955.0	924.2	903.6	883.1	868.7	864.6	862.6
40°	5982.4	5259.5	3314.7	1113.1	913.9	885.1	862.6	835.9	823.5	823.5	823.5
42.5°	6150.8	5290.3	2990.2	1006.3	885.1	852.3	819.4	794.8	790.7	794.8	796.8
45°	6458.9	5409.4	2653.4	952.9	860.5	819.4	780.4	761.9	761.9	766.0	766.0
47.5°	7009.3	5721.6	2320.7	920.1	835.9	792.7	751.7	733.2	731.1	735.2	735.2
50°	7962.2	6284.3	2020.8	897.5	817.4	772.2	731.1	706.5	700.3	698.3	698.3
52.5°	9163.6	7259.8	1829.8	881.0	794.8	749.6	708.5	675.7	663.3	657.2	657.2
55°	10615.6	8559.8	1829.8	868.7	766.0	722.9	675.7	642.8	624.3	616.1	616.1
57.5°	12260.6	10073.4	2146.1	858.4	743.4	692.1	640.8	607.9	587.4	575.0	575.0
60°	13934.4	11673.2	2928.6	844.1	722.9	653.1	601.7	570.9	544.2	529.9	527.8
62.5°	15669.7	13435.3	3959.5	852.3	708.5	616.1	560.7	525.7	503.2	488.8	486.7
65°	17259.3	15113.2	4861.1	916.0	710.6	583.3	513.4	482.6	464.1	445.7	443.6
67.5°	18608.6	16039.4	4228.6	1045.3	753.7	544.2	466.2	435.4	419.0	406.6	404.6
70°	17663.9	14626.5	2398.7	1125.4	813.3	503.2	412.8	392.3	375.8	367.6	365.6
72.5°	15105.0	12383.8	1603.9	994.0	741.4	449.8	363.5	347.1	334.8	324.5	322.4
75°	12236.0	9820.8	1226.1	815.3	577.1	365.6	312.2	299.8	287.5	277.2	275.2
77.5°	7239.3	5674.4	903.6	644.9	406.6	285.5	258.8	248.5	236.2	228.0	225.9
80°	2310.4	1971.6	573.0	443.6	269.0	219.7	199.2	191.0	178.7	168.4	166.3
82.5°	881.0	761.9	303.9	225.9	178.7	149.9	133.5	125.3	117.1	106.8	104.7
85°	390.2	365.6	168.4	121.2	96.5	73.9	65.7	61.6	51.3	43.1	41.1
87.5°	137.6	137.6	71.9	34.9	20.5	10.3	6.2	2.1	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)