

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: P639517

Luminaire Tested: GWS-SA5C-722-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639517
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-SA5C-722-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17236.5 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

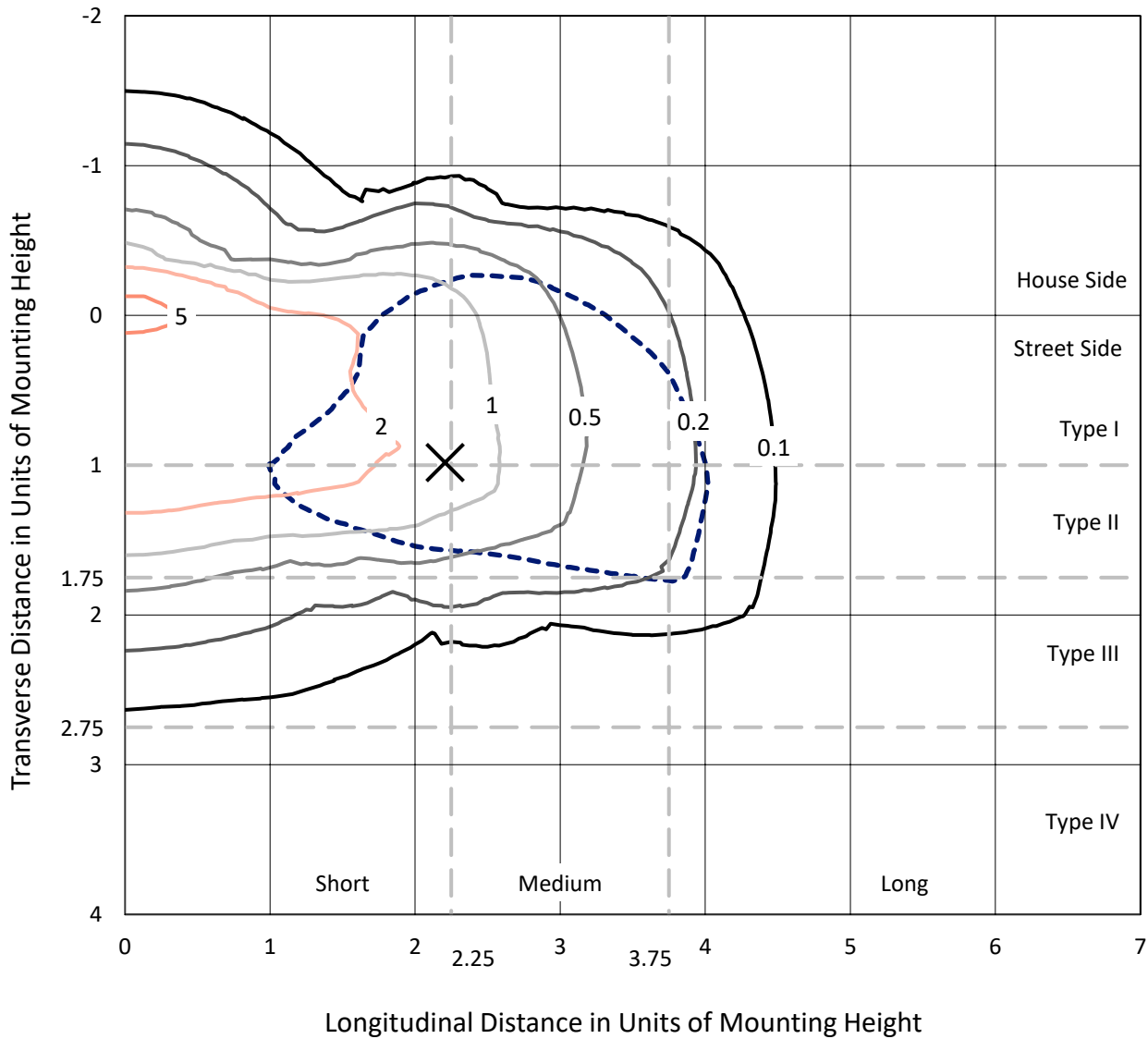
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639517
 CATALOG NUMBER: GWS-SA5C-722-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

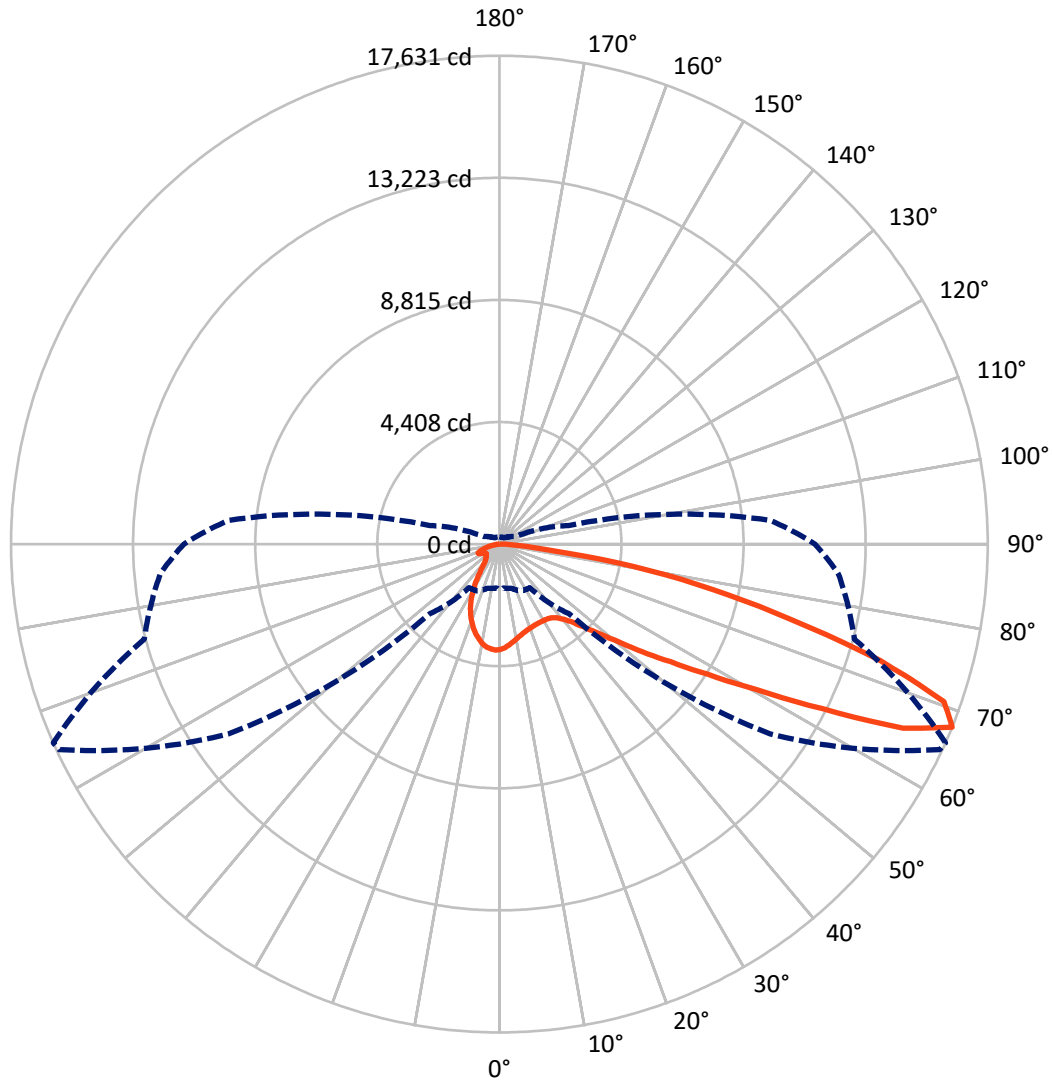
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - N/A

REPORT NUMBER: P639517
CATALOG NUMBER: GWS-SA5C-722-U-SL2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639517

CATALOG NUMBER: GWS-SA5C-722-U-SL2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3497.7	0.0	3497.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	13738.8	0.0	13738.8
	% Fixture	79.7	0.0	79.7
Total	Lumens	17236.5	0.0	17236.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.3	1.9
10°-20°	821.5	4.8
20°-30°	1129.2	6.6
30°-40°	1543.8	9.0
40°-50°	2339.2	13.6
50°-60°	3636.4	21.1
60°-70°	4427.2	25.7
70°-80°	2696.9	15.6
80°-90°	308.0	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°	17236.5	100.0
0°-180°	17236.5	100.0

Coefficient of Utilization



REPORT NUMBER: P639517

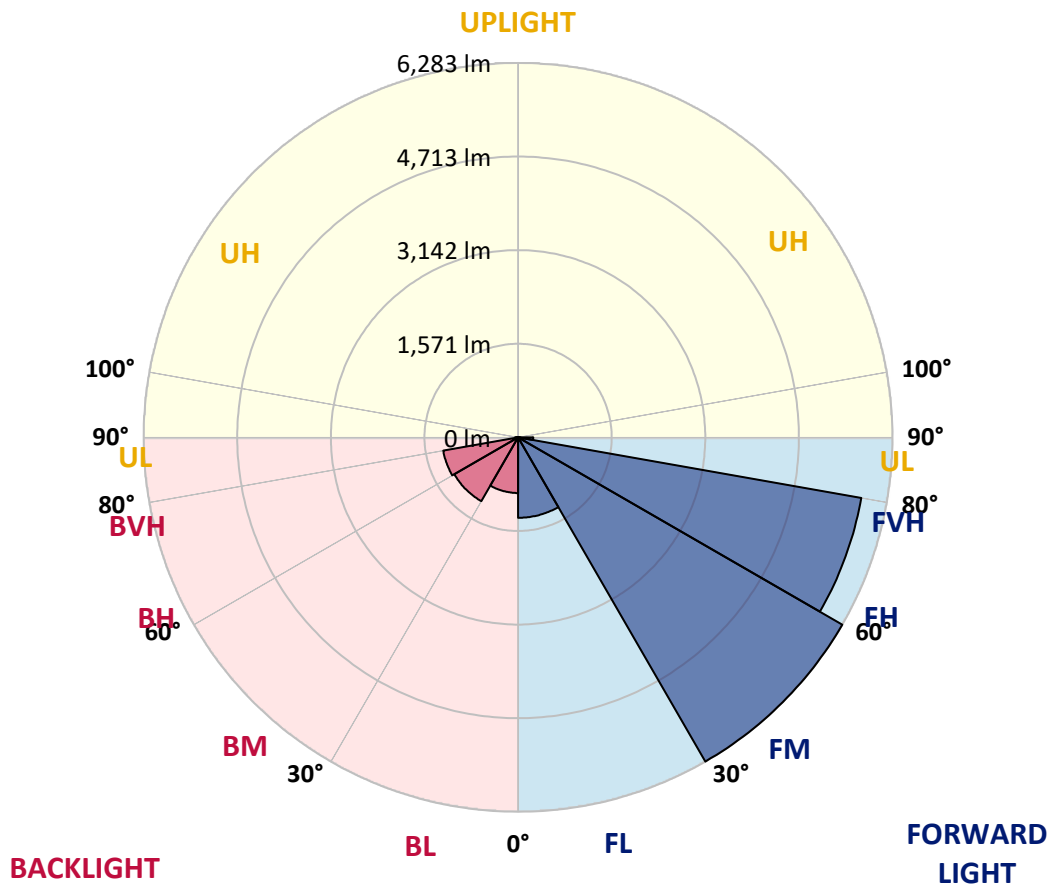
CATALOG NUMBER: GWS-SA5C-722-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1350.6	7.8			
FM (30°-60°)	6283.4	36.5			
FH (60°-80°)	5848.8	33.9			G3/7500
FVH (80°-90°)	256.1	1.5			G3/500
BL (0°-30°)	934.4	5.4	B2/1000		
BM (30°-60°)	1236.0	7.2	B2/2500		
BH (60°-80°)	1275.3	7.4	B3/2500		G3/2500
BVH (80°-90°)	51.9	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-G3

Type II Short





REPORT NUMBER: P639517
 CATALOG NUMBER: GWS-SA5C-722-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3808.8	3808.8	3808.8	3808.8	3808.8	3808.8	3808.8	3808.8	3808.8	3808.8	3808.8
2.5°	3567.3	3579.9	3572.4	3620.2	3622.7	3683.0	3717.0	3745.9	3748.4	3786.1	3811.3
5°	3323.4	3331.0	3331.0	3376.2	3406.4	3486.9	3564.8	3647.8	3654.1	3744.6	3813.8
7.5°	3126.0	3133.5	3128.5	3188.9	3227.8	3317.1	3416.5	3543.5	3556.0	3701.9	3822.6
10°	2971.3	2968.8	2981.4	3036.7	3087.0	3193.9	3304.5	3449.2	3468.0	3652.9	3832.7
12.5°	2865.7	2868.2	2875.8	2933.6	2987.7	3093.3	3207.7	3364.9	3385.0	3596.3	3827.6
15°	2815.4	2810.4	2816.7	2869.5	2921.0	3014.1	3132.3	3294.5	3314.6	3546.0	3828.9
17.5°	2804.1	2800.3	2799.1	2836.8	2875.8	2962.5	3075.7	3240.4	3261.8	3513.3	3836.4
20°	2839.3	2834.3	2820.4	2836.8	2853.1	2926.1	3035.5	3201.4	3225.3	3491.9	3851.5
22.5°	2936.1	2927.3	2905.9	2885.8	2864.4	2908.5	3010.3	3172.5	3196.4	3478.1	3866.6
25°	3083.2	3075.7	3053.1	3007.8	2929.8	2922.3	3005.3	3159.9	3183.8	3468.0	3872.9
27.5°	3285.7	3274.4	3251.7	3186.3	3059.3	2973.8	3024.1	3158.7	3181.3	3456.7	3866.6
30°	3525.9	3518.3	3505.7	3426.5	3256.8	3083.2	3066.9	3168.7	3186.3	3450.4	3854.0
32.5°	3769.8	3762.3	3772.3	3734.6	3525.9	3264.3	3159.9	3196.4	3209.0	3449.2	3842.7
35°	3984.8	3993.6	4066.6	4072.8	3867.9	3509.5	3307.1	3260.5	3263.0	3474.3	3847.8
37.5°	4209.9	4243.9	4339.4	4421.1	4250.1	3833.9	3525.9	3381.2	3378.7	3538.4	3879.2
40°	4507.9	4523.0	4645.0	4798.4	4691.5	4279.1	3836.4	3578.7	3561.1	3669.2	3963.4
42.5°	4798.4	4834.8	5029.7	5205.8	5170.6	4780.8	4227.5	3874.2	3842.7	3900.6	4137.0
45°	5168.1	5203.3	5422.1	5648.4	5712.5	5347.9	4728.0	4294.1	4262.7	4248.9	4455.1
47.5°	5537.8	5574.2	5770.4	6097.3	6322.4	6057.1	5379.3	4848.7	4797.1	4743.1	4935.4
50°	5786.7	5829.5	6016.8	6409.2	6937.3	6942.3	6151.4	5575.5	5510.1	5424.6	5611.9
52.5°	5777.9	5805.6	5984.1	6436.8	7379.9	7959.6	7185.0	6501.0	6448.1	6262.0	6425.5
55°	5324.0	5365.5	5545.3	6111.1	7427.7	8924.0	8704.0	7592.4	7498.1	7164.9	7344.7
57.5°	4412.3	4447.6	4628.6	5326.5	7003.9	9418.2	10632.9	8983.1	8853.6	8148.2	8355.7
60°	3331.0	3288.2	3373.7	3984.8	5990.4	9430.8	12335.5	10869.3	10653.0	9199.4	9372.9
62.5°	2499.8	2457.0	2475.9	2648.2	4061.5	8668.8	13306.2	13449.5	13092.4	10386.4	10352.5
65°	1975.4	1951.5	2005.6	2123.8	2367.8	6601.5	13313.7	16239.8	16014.7	11762.1	11357.2
67.5°	1609.5	1594.4	1649.8	1868.6	1920.1	3547.2	11938.1	17542.5	17630.5	13268.5	12288.9
70°	1296.4	1273.8	1360.5	1648.5	1785.6	2146.4	8551.8	16878.6	17020.7	14166.3	12026.1
72.5°	895.3	896.6	940.6	1335.4	1723.9	1853.5	4837.4	14054.4	14362.4	13352.7	10572.5
75°	603.6	608.6	621.2	881.5	1588.1	1798.1	2577.7	10640.4	10858.0	11036.5	8739.2
77.5°	364.7	367.2	396.1	533.2	1095.2	1678.7	1746.6	7713.1	7884.1	7275.5	5417.0
80°	211.2	220.1	246.5	357.1	739.4	1261.2	1351.7	4729.2	4922.9	3234.1	1721.4
82.5°	93.1	99.3	134.5	207.5	431.3	1072.6	1055.0	1868.6	1840.9	901.6	597.3
85°	16.3	20.1	28.9	65.4	158.4	565.8	818.6	824.9	775.8	342.0	247.7
87.5°	0.0	0.0	0.0	0.0	0.0	3.8	123.2	221.3	220.1	96.8	85.5
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: P639517
 CATALOG NUMBER: GWS-SA5C-722-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3808.8	3808.8	3808.8	3808.8	3808.8	3808.8	3808.8	3808.8	3808.8	3808.8	3808.8
2.5°	3827.6	3793.7	3823.9	3827.6	3821.4	3816.3	3778.6	3745.9	3742.1	3706.9	3706.9
5°	3841.5	3810.0	3825.1	3796.2	3750.9	3704.4	3623.9	3568.6	3543.5	3498.2	3498.2
7.5°	3860.3	3827.6	3810.0	3738.4	3632.7	3530.9	3401.4	3293.2	3249.2	3185.1	3182.6
10°	3877.9	3836.4	3776.1	3636.5	3468.0	3305.8	3117.2	2963.8	2859.4	2782.7	2782.7
12.5°	3876.7	3822.6	3703.2	3496.9	3264.3	3029.2	2777.7	2546.3	2408.0	2288.5	2281.0
15°	3874.2	3800.0	3610.1	3334.7	3026.7	2701.0	2359.0	2057.2	1852.2	1735.3	1725.2
17.5°	3871.6	3771.1	3505.7	3149.9	2737.4	2293.6	1842.1	1515.2	1344.2	1272.5	1275.0
20°	3871.6	3738.4	3393.8	2937.4	2404.2	1805.7	1351.7	1114.1	1071.3	1075.1	1078.9
22.5°	3860.3	3698.1	3269.3	2706.0	2033.3	1327.9	997.1	916.7	939.3	974.5	979.5
25°	3833.9	3631.5	3124.7	2449.5	1591.9	967.0	813.6	798.5	840.0	884.0	896.6
27.5°	3792.4	3554.8	2962.5	2149.0	1171.9	777.1	715.5	714.2	746.9	779.6	790.9
30°	3748.4	3469.3	2791.5	1814.5	848.8	676.5	652.6	652.6	669.0	689.1	686.6
32.5°	3696.9	3382.5	2607.9	1466.2	691.6	619.9	612.4	608.6	611.1	618.7	618.7
35°	3652.9	3305.8	2419.3	1097.7	619.9	588.5	580.9	572.1	568.4	563.3	565.8
37.5°	3636.5	3245.4	2224.4	827.4	584.7	565.8	553.3	540.7	531.9	529.4	528.1
40°	3662.9	3220.3	2029.5	681.5	559.6	542.0	528.1	511.8	504.2	504.2	504.2
42.5°	3766.0	3239.2	1830.8	616.1	542.0	521.8	501.7	486.6	484.1	486.6	487.9
45°	3954.6	3312.1	1624.6	583.5	526.9	501.7	477.8	466.5	466.5	469.0	469.0
47.5°	4291.6	3503.2	1420.9	563.3	511.8	485.4	460.2	448.9	447.6	450.2	450.2
50°	4875.1	3847.8	1237.3	549.5	500.5	472.8	447.6	432.6	428.8	427.5	427.5
52.5°	5610.7	4445.0	1120.4	539.4	486.6	459.0	433.8	413.7	406.2	402.4	402.4
55°	6499.7	5241.0	1120.4	531.9	469.0	442.6	413.7	393.6	382.3	377.2	377.2
57.5°	7506.9	6167.7	1314.0	525.6	455.2	423.8	392.3	372.2	359.6	352.1	352.1
60°	8531.7	7147.3	1793.1	516.8	442.6	399.9	368.4	349.6	333.2	324.4	323.2
62.5°	9594.2	8226.2	2424.3	521.8	433.8	377.2	343.3	321.9	308.1	299.3	298.0
65°	10567.5	9253.5	2976.4	560.8	435.1	357.1	314.4	295.5	284.2	272.9	271.6
67.5°	11393.6	9820.6	2589.1	640.0	461.5	333.2	285.4	266.6	256.5	249.0	247.7
70°	10815.2	8955.5	1468.7	689.1	497.9	308.1	252.7	240.2	230.1	225.1	223.8
72.5°	9248.5	7582.3	982.1	608.6	453.9	275.4	222.6	212.5	205.0	198.7	197.4
75°	7491.8	6013.1	750.7	499.2	353.3	223.8	191.1	183.6	176.0	169.8	168.5
77.5°	4432.5	3474.3	553.3	394.8	249.0	174.8	158.4	152.1	144.6	139.6	138.3
80°	1414.6	1207.1	350.8	271.6	164.7	134.5	122.0	116.9	109.4	103.1	101.9
82.5°	539.4	466.5	186.1	138.3	109.4	91.8	81.7	76.7	71.7	65.4	64.1
85°	238.9	223.8	103.1	74.2	59.1	45.3	40.2	37.7	31.4	26.4	25.1
87.5°	84.2	84.2	44.0	21.4	12.6	6.3	3.8	1.3	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)