

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: P642007

Luminaire Tested: GWS-SA6C-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20877.2 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

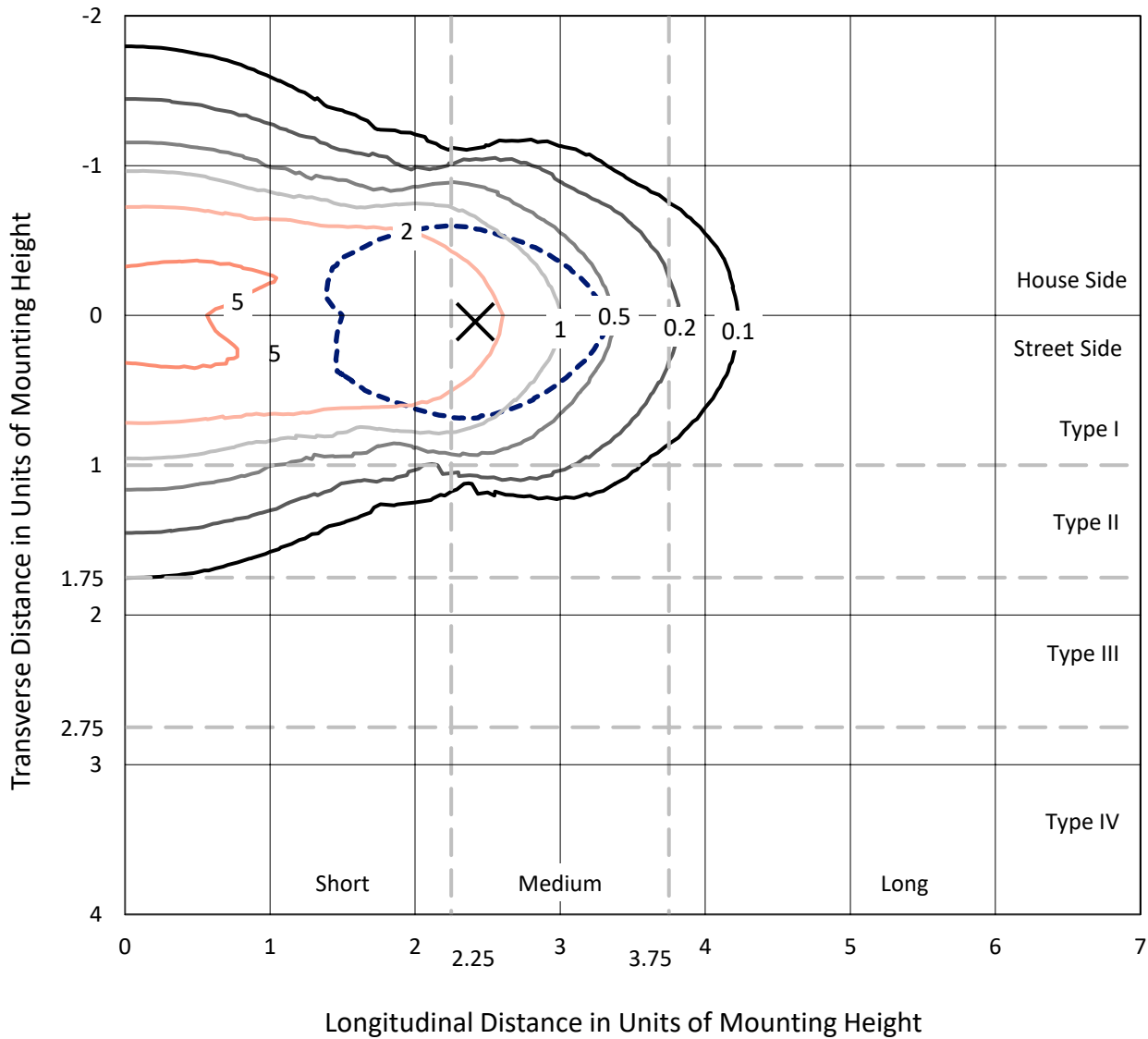
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

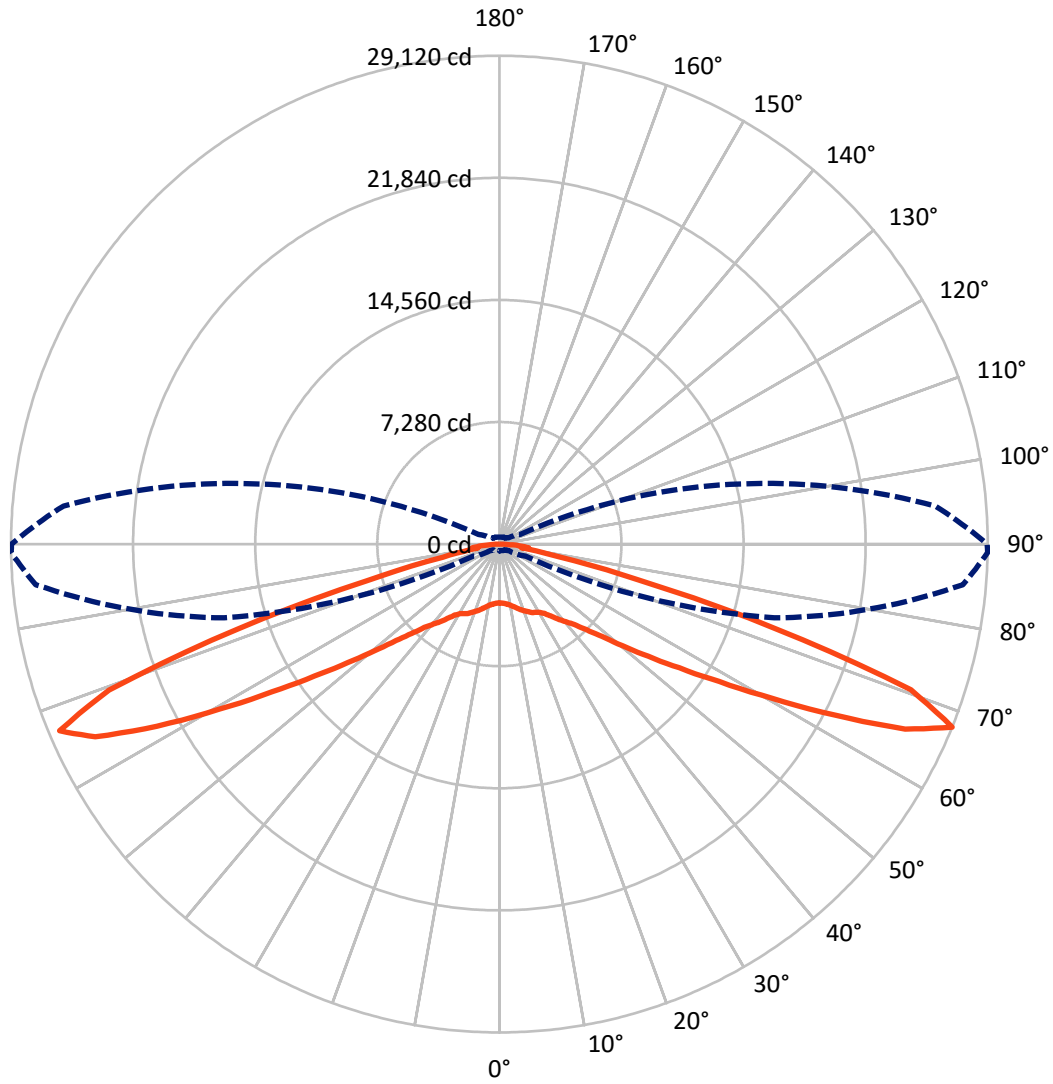
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10347.1	0.0	10347.1
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	10530.1	0.0	10530.1
	% Fixture	50.4	0.0	50.4
Total	Lumens	20877.2	0.0	20877.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.5	1.7
10°-20°	1144.5	5.5
20°-30°	1934.7	9.3
30°-40°	2655.1	12.7
40°-50°	3385.9	16.2
50°-60°	4248.1	20.3
60°-70°	5123.6	24.5
70°-80°	1853.6	8.9
80°-90°	180.3	0.9
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°	20877.2	100.0
0°-180°	20877.2	100.0

Coefficient of Utilization



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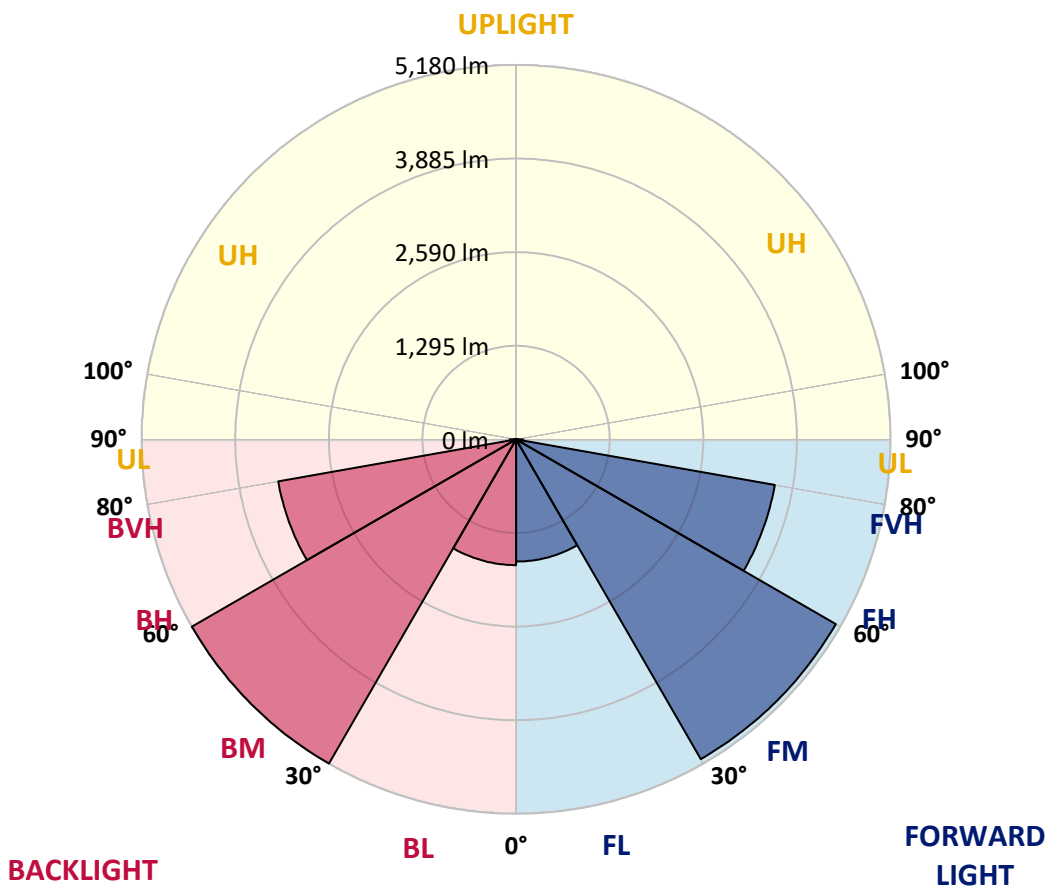
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1690.9	8.1			
FM (30°-60°)	5109.1	24.5			
FH (60°-80°)	3635.0	17.4			G2/5000
FVH (80°-90°)	95.1	0.5			G1/100
BL (0°-30°)	1739.8	8.3	B3/2500		
BM (30°-60°)	5180.1	24.8	B4/8500		
BH (60°-80°)	3342.1	16.0	B4/5000		G4/5000
BVH (80°-90°)	85.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3504.1	3504.1	3504.1	3504.1	3504.1	3504.1	3504.1	3504.1	3504.1	3504.1	3504.1
2.5°	3514.6	3511.6	3504.1	3526.6	3522.1	3523.6	3532.6	3526.6	3516.1	3498.1	3523.6
5°	3613.5	3612.0	3595.5	3609.0	3594.0	3583.5	3582.0	3567.0	3555.0	3535.6	3562.5
7.5°	3709.5	3708.0	3694.5	3718.5	3706.5	3694.5	3681.0	3651.0	3622.5	3594.0	3624.0
10°	3783.0	3781.5	3778.5	3812.9	3815.9	3820.4	3814.4	3763.5	3714.0	3679.5	3709.5
12.5°	3824.9	3829.4	3836.9	3899.9	3931.4	3961.4	3968.9	3926.9	3844.4	3795.0	3830.9
15°	3796.5	3805.4	3842.9	3956.9	4043.8	4111.3	4139.8	4105.3	3998.9	3916.4	3956.9
17.5°	3660.0	3667.5	3741.0	3914.9	4106.8	4262.8	4309.2	4288.2	4169.8	4069.3	4108.3
20°	3471.1	3487.6	3567.0	3809.9	4096.3	4367.7	4492.2	4484.7	4355.7	4201.3	4247.8
22.5°	3300.2	3319.6	3403.6	3672.0	4025.9	4394.7	4676.6	4696.1	4525.2	4333.2	4370.7
25°	3108.2	3126.2	3234.2	3508.6	3904.4	4373.7	4834.0	4922.5	4717.1	4484.7	4519.2
27.5°	2911.8	2925.3	3031.8	3324.1	3745.5	4334.7	4958.5	5171.4	4906.0	4589.6	4613.6
30°	2739.4	2757.4	2854.8	3139.7	3571.5	4256.8	5060.4	5436.8	5123.4	4708.1	4727.6
32.5°	2572.9	2587.9	2694.4	2958.3	3387.1	4136.8	5151.9	5748.7	5445.8	4928.5	4928.5
35°	2363.0	2390.0	2510.0	2784.4	3213.2	3977.9	5217.9	6111.5	5886.6	5253.9	5255.4
37.5°	2169.6	2184.6	2310.6	2587.9	3030.3	3797.9	5223.9	6487.9	6444.4	5667.7	5670.7
40°	1949.2	1968.7	2103.6	2378.0	2820.3	3609.0	5166.9	6838.7	7029.1	6093.5	6077.0
42.5°	1725.8	1754.3	1883.2	2151.6	2593.9	3378.1	5015.5	7173.1	7771.3	6586.8	6546.3
45°	1509.9	1527.9	1656.8	1910.2	2334.5	3102.2	4772.6	7493.9	8653.0	7336.5	7278.0
47.5°	1267.0	1274.5	1407.9	1650.8	2066.2	2794.9	4424.7	7780.3	9621.6	8329.1	8228.6
50°	1051.1	1061.6	1166.5	1374.9	1737.8	2430.5	3991.4	7948.3	10855.6	9683.0	9509.1
52.5°	850.2	860.6	944.6	1111.0	1436.4	2015.2	3454.6	7909.3	12107.6	11363.9	11110.5
55°	686.7	694.2	751.2	881.6	1130.5	1602.8	2820.3	7559.9	13497.5	13559.0	13013.2
57.5°	580.3	583.3	622.2	701.7	883.1	1235.5	2177.1	6735.3	14954.9	16359.8	15463.2
60°	518.8	520.3	538.3	587.8	697.2	943.1	1595.3	5421.8	16464.8	19863.9	18634.4
62.5°	479.8	479.8	494.8	523.3	578.8	725.7	1172.5	3893.9	17548.8	23676.8	22454.8
65°	442.3	442.3	452.8	476.8	506.8	592.3	880.1	2511.5	18081.1	26864.5	26593.1
67.5°	394.3	395.8	403.3	428.8	455.8	494.8	667.2	1698.8	16976.1	27746.2	29119.6
70°	349.4	350.9	361.4	377.8	400.3	427.3	521.8	1171.0	12356.5	23108.6	26036.9
72.5°	299.9	305.9	313.4	331.4	344.9	364.4	425.8	758.7	7189.6	14864.9	17211.5
75°	245.9	253.4	262.4	280.4	289.4	296.9	350.9	541.3	3459.1	7532.9	8578.0
77.5°	190.4	197.9	208.4	224.9	230.9	239.9	268.4	391.3	1656.8	3339.1	3600.0
80°	127.4	130.4	139.4	158.9	169.4	175.4	197.9	266.9	719.7	1340.5	1328.5
82.5°	78.0	79.5	82.5	94.5	99.0	105.0	128.9	163.4	343.4	1523.4	1746.8
85°	28.5	27.0	25.5	33.0	39.0	45.0	60.0	82.5	149.9	1046.6	1171.0
87.5°	0.0	0.0	0.0	1.5	3.0	3.0	6.0	12.0	36.0	391.3	268.4
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°	3504.1	3504.1	3504.1	3504.1	3504.1	3504.1	3504.1	3504.1	3504.1	3504.1	3504.1
2.5°	3516.1	3499.6	3520.6	3535.6	3568.5	3580.5	3583.5	3573.0	3573.0	3555.0	3558.0
5°	3556.5	3546.1	3580.5	3606.0	3654.0	3672.0	3684.0	3676.5	3681.0	3669.0	3672.0
7.5°	3618.0	3609.0	3669.0	3718.5	3768.0	3789.0	3799.4	3793.5	3795.0	3780.0	3784.5
10°	3703.5	3706.5	3778.5	3842.9	3908.9	3929.9	3934.4	3916.4	3901.4	3874.4	3875.9
12.5°	3820.4	3835.4	3937.4	4009.4	4076.8	4106.8	4073.8	4007.9	3946.4	3899.9	3893.9
15°	3947.9	3974.9	4121.8	4213.3	4286.8	4271.8	4174.3	4025.9	3904.4	3835.4	3821.9
17.5°	4100.8	4141.3	4325.7	4435.2	4498.2	4402.2	4198.3	3976.4	3806.9	3714.0	3696.0
20°	4244.8	4309.2	4541.6	4684.1	4691.6	4475.7	4187.8	3875.9	3663.0	3549.1	3525.1
22.5°	4376.7	4459.2	4768.1	4949.5	4852.0	4508.7	4123.3	3733.5	3489.1	3355.6	3334.6
25°	4520.7	4637.6	5031.9	5201.4	5012.5	4495.2	3988.4	3556.5	3279.2	3142.7	3127.7
27.5°	4619.6	4766.6	5297.3	5459.3	5144.4	4418.7	3814.4	3363.1	3087.2	2958.3	2937.3
30°	4733.6	4921.0	5589.7	5739.7	5225.4	4306.2	3628.5	3183.2	2908.8	2769.4	2754.4
32.5°	4940.5	5175.9	5952.6	6036.5	5250.9	4166.8	3450.1	3009.3	2722.9	2583.4	2562.5
35°	5273.3	5549.2	6462.4	6367.9	5231.4	4013.9	3280.7	2805.4	2532.5	2402.0	2381.0
37.5°	5693.2	6036.5	7030.6	6666.3	5177.4	3845.9	3079.7	2634.4	2361.5	2229.6	2217.6
40°	6084.5	6507.3	7667.9	6924.2	5067.9	3639.0	2886.3	2456.0	2177.1	2037.7	2010.7
42.5°	6574.8	7137.1	8405.6	7147.6	4888.0	3391.6	2668.9	2235.6	1946.2	1820.3	1787.3
45°	7320.0	8018.7	9263.2	7362.0	4619.6	3087.2	2396.0	1967.2	1692.8	1563.9	1538.4
47.5°	8249.6	9120.8	10192.8	7489.4	4211.8	2766.4	2087.1	1683.8	1409.4	1264.0	1252.0
50°	9555.6	10723.6	11189.9	7467.0	3756.0	2385.5	1739.3	1346.5	1117.0	1012.1	995.6
52.5°	11146.5	12735.8	12268.0	7197.1	3271.7	1952.2	1355.4	1057.1	886.1	811.2	797.7
55°	13142.1	15145.3	13403.0	6618.3	2659.9	1494.9	1064.6	833.7	716.7	671.7	665.7
57.5°	15613.1	18265.5	14496.1	5643.7	2000.2	1141.0	820.2	688.2	632.7	605.8	604.3
60°	18874.3	21577.7	15445.2	4385.7	1431.9	872.6	677.7	614.7	571.3	553.3	551.8
62.5°	22751.7	24585.5	16036.0	2986.8	1076.6	695.7	596.8	557.8	532.3	521.8	520.3
65°	26737.1	26486.7	15754.1	1956.7	817.2	590.8	535.3	514.3	491.8	481.3	481.3
67.5°	29091.1	26084.9	13590.5	1358.4	647.7	518.8	482.8	463.3	425.8	416.8	416.8
70°	25767.0	21136.9	8907.9	994.1	524.8	454.3	419.8	392.8	377.8	368.8	367.4
72.5°	17042.0	13753.9	4736.6	689.7	437.8	386.8	355.4	344.9	326.9	317.9	316.4
75°	8482.0	7224.1	2427.5	497.8	364.4	310.4	296.9	292.4	277.4	265.4	262.4
77.5°	3535.6	3216.2	1132.0	361.4	277.4	250.4	238.4	238.4	221.9	208.4	202.4
80°	1333.0	1187.5	535.3	247.4	205.4	185.9	178.4	172.4	158.9	142.4	133.4
82.5°	1782.8	1165.0	262.4	154.4	134.9	120.0	109.5	105.0	97.5	90.0	84.0
85°	1154.5	827.7	118.5	79.5	67.5	51.0	45.0	42.0	37.5	33.0	30.0
87.5°	235.4	277.4	36.0	15.0	9.0	4.5	4.5	1.5	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)