

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: P641017

Luminaire Tested: GWS-SA5F-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641017
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-SA5F-722-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30688.1 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

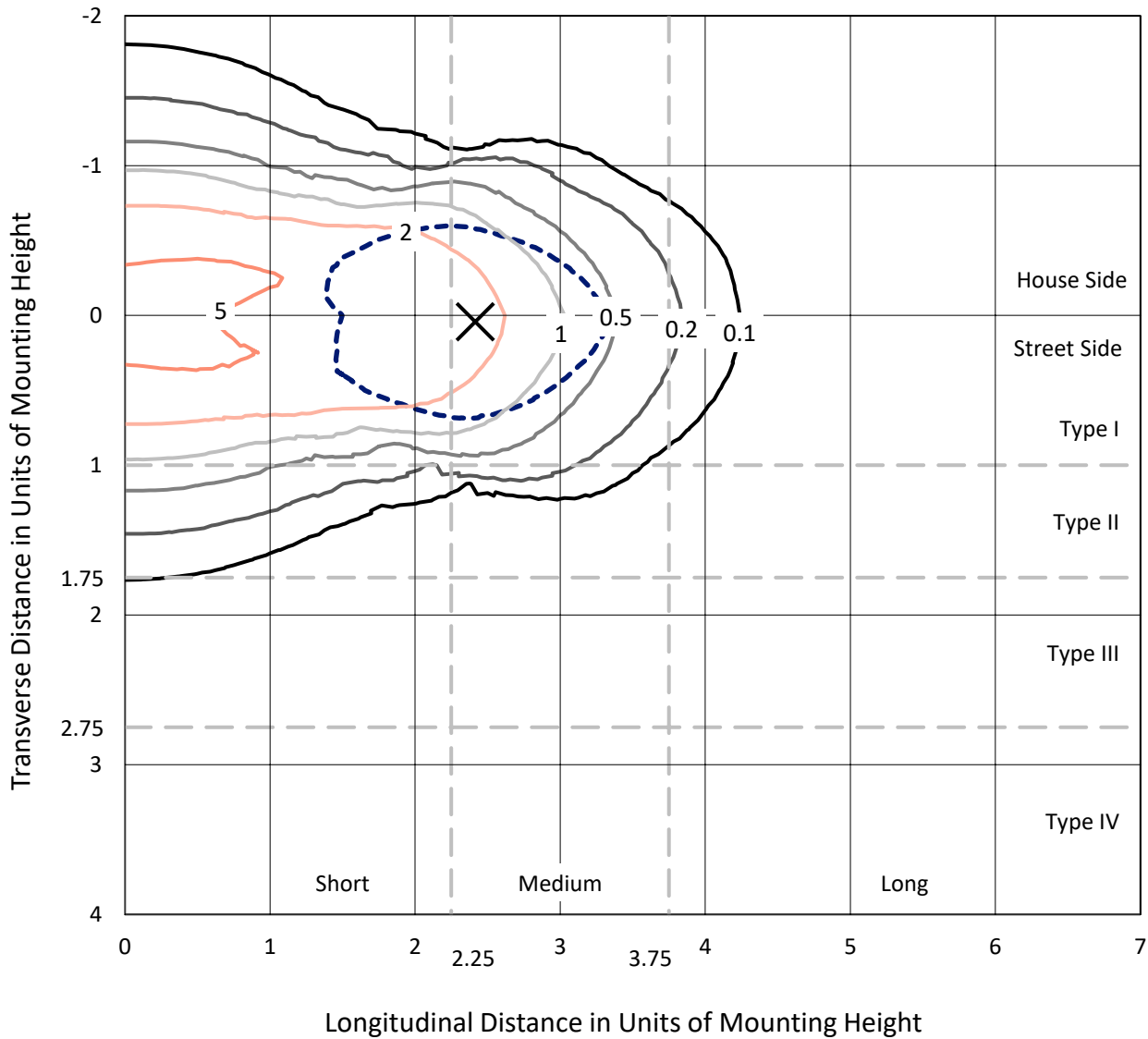
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641017
 CATALOG NUMBER: GWS-SA5F-722-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination

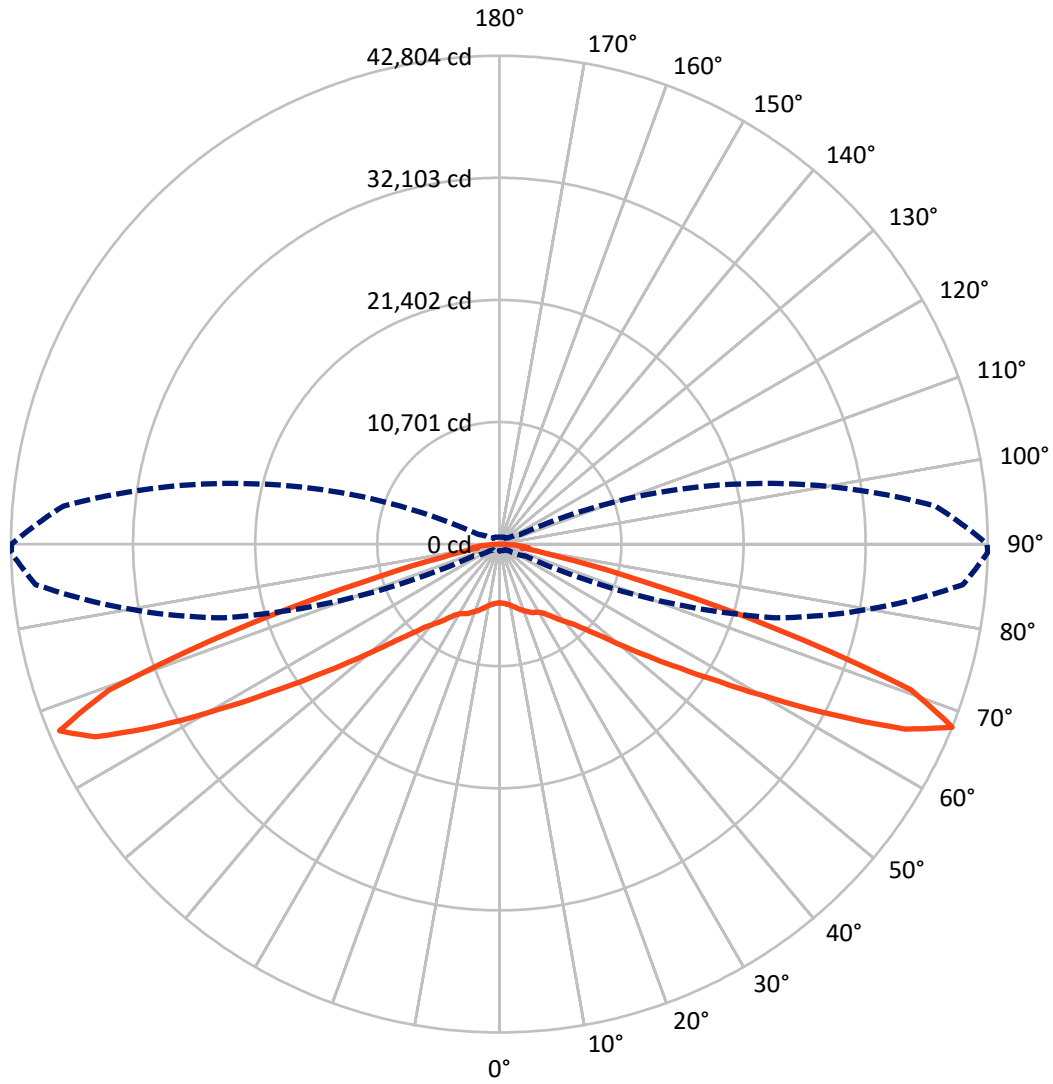
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.2 fc
 Type I - Medium - N/A

REPORT NUMBER: P641017
CATALOG NUMBER: GWS-SA5F-722-U-T1-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641017

CATALOG NUMBER: GWS-SA5F-722-U-T1-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15209.6	0.0	15209.6
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	15478.5	0.0	15478.5
	% Fixture	50.4	0.0	50.4
Total	Lumens	30688.1	0.0	30688.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.7	1.7
10°-20°	1682.3	5.5
20°-30°	2843.9	9.3
30°-40°	3902.9	12.7
40°-50°	4977.0	16.2
50°-60°	6244.4	20.3
60°-70°	7531.3	24.5
70°-80°	2724.6	8.9
80°-90°	265.0	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°	30688.1	100.0
0°-180°	30688.1	100.0

Coefficient of Utilization



REPORT NUMBER: P641017

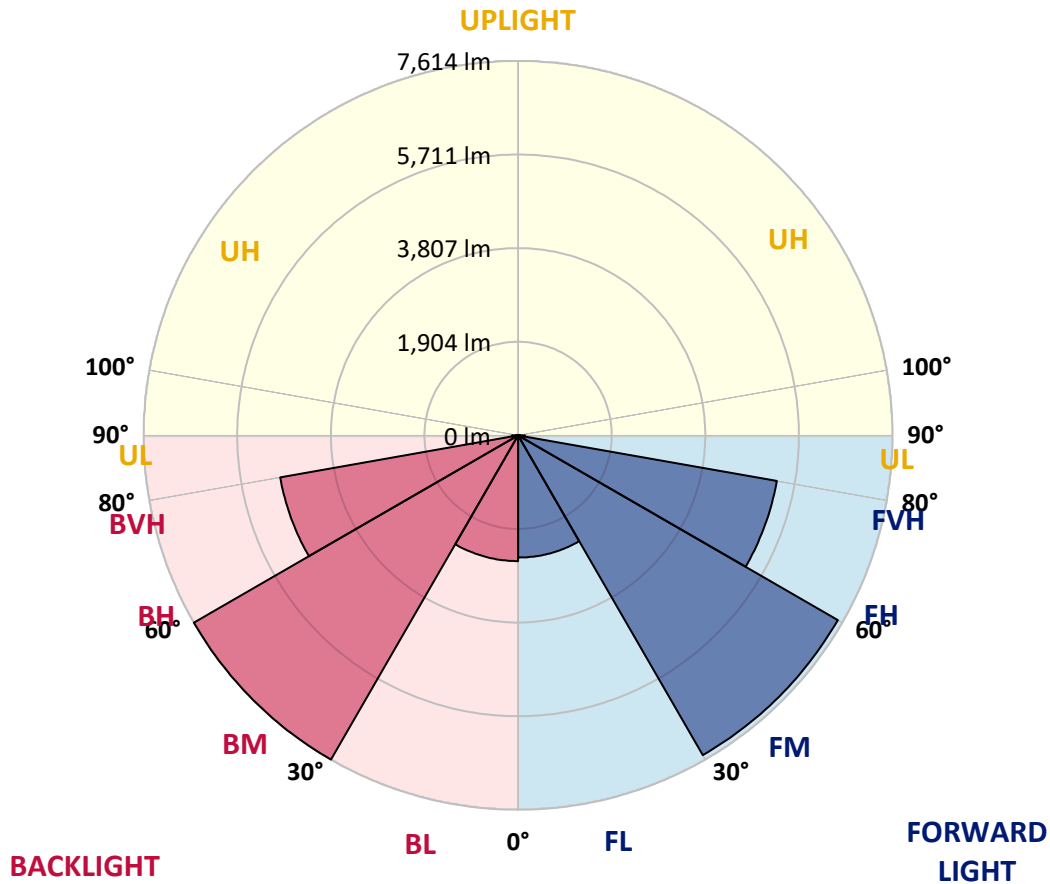
CATALOG NUMBER: GWS-SA5F-722-U-T1-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2485.5	8.1			
FM (30°-60°)	7510.0	24.5			
FH (60°-80°)	5343.2	17.4			G3/7500
FVH (80°-90°)	139.8	0.5			G2/225
BL (0°-30°)	2557.4	8.3	B4/5000		
BM (30°-60°)	7614.4	24.8	B4/8500		
BH (60°-80°)	4912.7	16.0	B4/5000		G4/5000
BVH (80°-90°)	125.2	0.4			G2/225
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





REPORT NUMBER: P641017

CATALOG NUMBER: GWS-SA5F-722-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	5150.8	5150.8	5150.8	5150.8	5150.8	5150.8	5150.8	5150.8	5150.8	5150.8	5150.8
2.5°	5166.2	5161.8	5150.8	5183.8	5177.2	5179.4	5192.6	5183.8	5168.4	5141.9	5179.4
5°	5311.6	5309.4	5285.2	5305.0	5283.0	5267.6	5265.4	5243.3	5225.7	5197.0	5236.7
7.5°	5452.7	5450.5	5430.7	5465.9	5448.3	5430.7	5410.8	5366.7	5324.9	5283.0	5327.1
10°	5560.7	5558.5	5554.1	5604.8	5609.2	5615.8	5607.0	5532.0	5459.3	5408.6	5452.7
12.5°	5622.4	5629.0	5640.0	5732.6	5778.9	5823.0	5834.0	5772.3	5651.1	5578.3	5631.2
15°	5580.5	5593.8	5648.9	5816.4	5944.2	6043.4	6085.2	6034.6	5878.1	5756.9	5816.4
17.5°	5380.0	5391.0	5499.0	5754.6	6036.8	6266.0	6334.3	6303.4	6129.3	5981.7	6039.0
20°	5102.3	5126.5	5243.3	5600.4	6021.3	6420.3	6603.2	6592.2	6402.6	6175.6	6243.9
22.5°	4851.0	4879.7	5003.1	5397.6	5917.7	6459.9	6874.3	6902.9	6651.7	6369.6	6424.7
25°	4568.9	4595.3	4754.0	5157.4	5739.2	6429.1	7105.7	7235.7	6933.8	6592.2	6642.9
27.5°	4280.2	4300.0	4456.5	4886.3	5505.6	6371.8	7288.6	7601.6	7211.5	6746.4	6781.7
30°	4026.7	4053.2	4196.4	4615.2	5249.9	6257.2	7438.5	7991.7	7531.1	6920.6	6949.2
32.5°	3782.1	3804.1	3960.6	4348.5	4978.8	6080.8	7572.9	8450.1	8004.9	7244.6	7244.6
35°	3473.5	3513.2	3689.5	4092.8	4723.2	5847.2	7669.9	8983.5	8652.9	7722.8	7725.0
37.5°	3189.2	3211.2	3396.4	3804.1	4454.3	5582.7	7678.7	9536.7	9472.8	8331.1	8335.5
40°	2865.2	2893.9	3092.2	3495.5	4145.7	5305.0	7595.0	10052.4	10332.4	8957.1	8932.8
42.5°	2536.8	2578.7	2768.2	3162.7	3812.9	4965.6	7372.4	10543.9	11423.3	9682.2	9622.7
45°	2219.4	2245.9	2435.4	2807.9	3431.6	4560.1	7015.3	11015.6	12719.3	10784.2	10698.2
47.5°	1862.4	1873.4	2069.6	2426.6	3037.1	4108.3	6504.0	11436.6	14143.1	12243.2	12095.6
50°	1545.0	1560.4	1714.7	2021.1	2554.4	3572.7	5867.1	11683.4	15957.0	14233.4	13977.8
52.5°	1249.7	1265.1	1388.5	1633.2	2111.4	2962.2	5078.0	11626.1	17797.3	16704.1	16331.6
55°	1009.4	1020.5	1104.2	1296.0	1661.8	2356.1	4145.7	11112.6	19840.4	19930.8	19128.5
57.5°	852.9	857.4	914.7	1031.5	1298.2	1816.1	3200.2	9900.4	21982.7	24047.9	22729.9
60°	762.6	764.8	791.2	864.0	1024.9	1386.3	2345.1	7969.7	24202.1	29198.6	27391.3
62.5°	705.3	705.3	727.3	769.2	850.7	1066.7	1723.5	5723.8	25795.6	34803.4	33007.1
65°	650.2	650.2	665.6	700.9	745.0	870.6	1293.7	3691.7	26578.0	39489.1	39090.2
67.5°	579.7	581.9	592.9	630.3	670.0	727.3	980.8	2497.1	24953.7	40785.0	42803.9
70°	513.5	515.7	531.2	555.4	588.5	628.1	767.0	1721.3	18163.2	33968.1	38272.5
72.5°	440.8	449.6	460.6	487.1	506.9	535.6	625.9	1115.2	10568.2	21850.5	25299.7
75°	361.5	372.5	385.7	412.1	425.4	436.4	515.7	795.6	5084.6	11072.9	12609.1
77.5°	279.9	290.9	306.4	330.6	339.4	352.6	394.5	575.2	2435.4	4908.3	5291.8
80°	187.3	191.7	205.0	233.6	249.1	257.9	290.9	392.3	1057.9	1970.4	1952.7
82.5°	114.6	116.8	121.2	138.9	145.5	154.3	189.5	240.2	504.7	2239.3	2567.7
85°	41.9	39.7	37.5	48.5	57.3	66.1	88.2	121.2	220.4	1538.4	1721.3
87.5°	0.0	0.0	0.0	2.2	4.4	4.4	8.8	17.6	52.9	575.2	394.5
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: P641017
 CATALOG NUMBER: GWS-SA5F-722-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5150.8	5150.8	5150.8	5150.8	5150.8	5150.8	5150.8	5150.8	5150.8	5150.8	5150.8
2.5°	5168.4	5144.1	5175.0	5197.0	5245.5	5263.2	5267.6	5252.1	5252.1	5225.7	5230.1
5°	5227.9	5212.5	5263.2	5300.6	5371.2	5397.6	5415.2	5404.2	5410.8	5393.2	5397.6
7.5°	5318.3	5305.0	5393.2	5465.9	5538.7	5569.5	5584.9	5576.1	5578.3	5556.3	5562.9
10°	5443.9	5448.3	5554.1	5648.9	5745.8	5776.7	5783.3	5756.9	5734.8	5695.1	5697.3
12.5°	5615.8	5637.8	5787.7	5893.5	5992.7	6036.8	5988.3	5891.3	5800.9	5732.6	5723.8
15°	5803.1	5842.8	6058.8	6193.2	6301.2	6279.2	6135.9	5917.7	5739.2	5637.8	5618.0
17.5°	6027.9	6087.5	6358.5	6519.4	6612.0	6470.9	6171.2	5845.0	5596.0	5459.3	5432.9
20°	6239.5	6334.3	6675.9	6885.3	6896.3	6578.9	6155.8	5697.3	5384.4	5216.9	5181.6
22.5°	6433.5	6554.7	7008.7	7275.4	7132.1	6627.4	6061.0	5488.0	5128.7	4932.6	4901.7
25°	6645.1	6817.0	7396.6	7645.7	7368.0	6607.6	5862.6	5227.9	4820.2	4619.6	4597.5
27.5°	6790.5	7006.5	7786.7	8024.8	7561.9	6495.2	5607.0	4943.6	4538.0	4348.5	4317.6
30°	6958.0	7233.5	8216.5	8436.9	7680.9	6329.9	5333.7	4679.1	4275.8	4070.8	4048.7
32.5°	7262.2	7608.2	8749.9	8873.3	7718.4	6124.9	5071.4	4423.4	4002.5	3797.5	3766.6
35°	7751.5	8157.0	9499.2	9360.4	7689.8	5900.1	4822.4	4123.7	3722.6	3530.8	3500.0
37.5°	8368.6	8873.3	10334.6	9799.0	7610.4	5653.3	4527.0	3872.4	3471.3	3277.3	3259.7
40°	8943.8	9565.4	11271.3	10178.1	7449.5	5349.1	4242.7	3610.2	3200.2	2995.2	2955.6
42.5°	9664.5	10491.0	12355.6	10506.5	7185.0	4985.5	3923.1	3286.2	2860.8	2675.7	2627.2
45°	10759.9	11787.0	13616.3	10821.6	6790.5	4538.0	3522.0	2891.6	2488.3	2298.8	2261.3
47.5°	12126.4	13406.9	14982.8	11009.0	6191.0	4066.4	3068.0	2475.1	2071.8	1858.0	1840.3
50°	14046.1	15763.0	16448.5	10975.9	5521.0	3506.6	2556.6	1979.2	1642.0	1487.7	1463.5
52.5°	16384.5	18720.8	18033.1	10579.2	4809.1	2869.6	1992.4	1553.8	1302.6	1192.4	1172.5
55°	19318.1	22262.6	19701.6	9728.5	3909.9	2197.4	1564.8	1225.4	1053.5	987.4	978.6
57.5°	22950.3	26849.1	21308.3	8295.9	2940.1	1677.2	1205.6	1011.6	930.1	890.4	888.2
60°	27744.0	31717.8	22703.4	6446.7	2104.8	1282.7	996.2	903.6	839.7	813.3	811.1
62.5°	33443.5	36139.0	23571.8	4390.4	1582.5	1022.7	877.2	819.9	782.4	767.0	764.8
65°	39301.7	38933.7	23157.4	2876.2	1201.2	868.4	786.8	756.0	722.9	707.5	707.5
67.5°	42762.0	38343.0	19977.1	1996.8	952.1	762.6	709.7	681.0	625.9	612.7	612.7
70°	37875.8	31069.8	13094.0	1461.3	771.4	667.8	617.1	577.4	555.4	542.2	540.0
72.5°	25050.7	20217.3	6962.4	1013.8	643.6	568.6	522.3	506.9	480.5	467.2	465.0
75°	12468.0	10618.9	3568.3	731.7	535.6	456.2	436.4	429.8	407.7	390.1	385.7
77.5°	5197.0	4727.6	1664.0	531.2	407.7	368.1	350.4	350.4	326.2	306.4	297.5
80°	1959.4	1745.6	786.8	363.7	301.9	273.3	262.3	253.5	233.6	209.4	196.2
82.5°	2620.6	1712.5	385.7	227.0	198.4	176.3	160.9	154.3	143.3	132.2	123.4
85°	1697.1	1216.6	174.1	116.8	99.2	74.9	66.1	61.7	55.1	48.5	44.1
87.5°	346.0	407.7	52.9	22.0	13.2	6.6	6.6	2.2	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)