

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: P640833

Luminaire Tested: GWS-SA5E-760-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-760-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38989.2 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

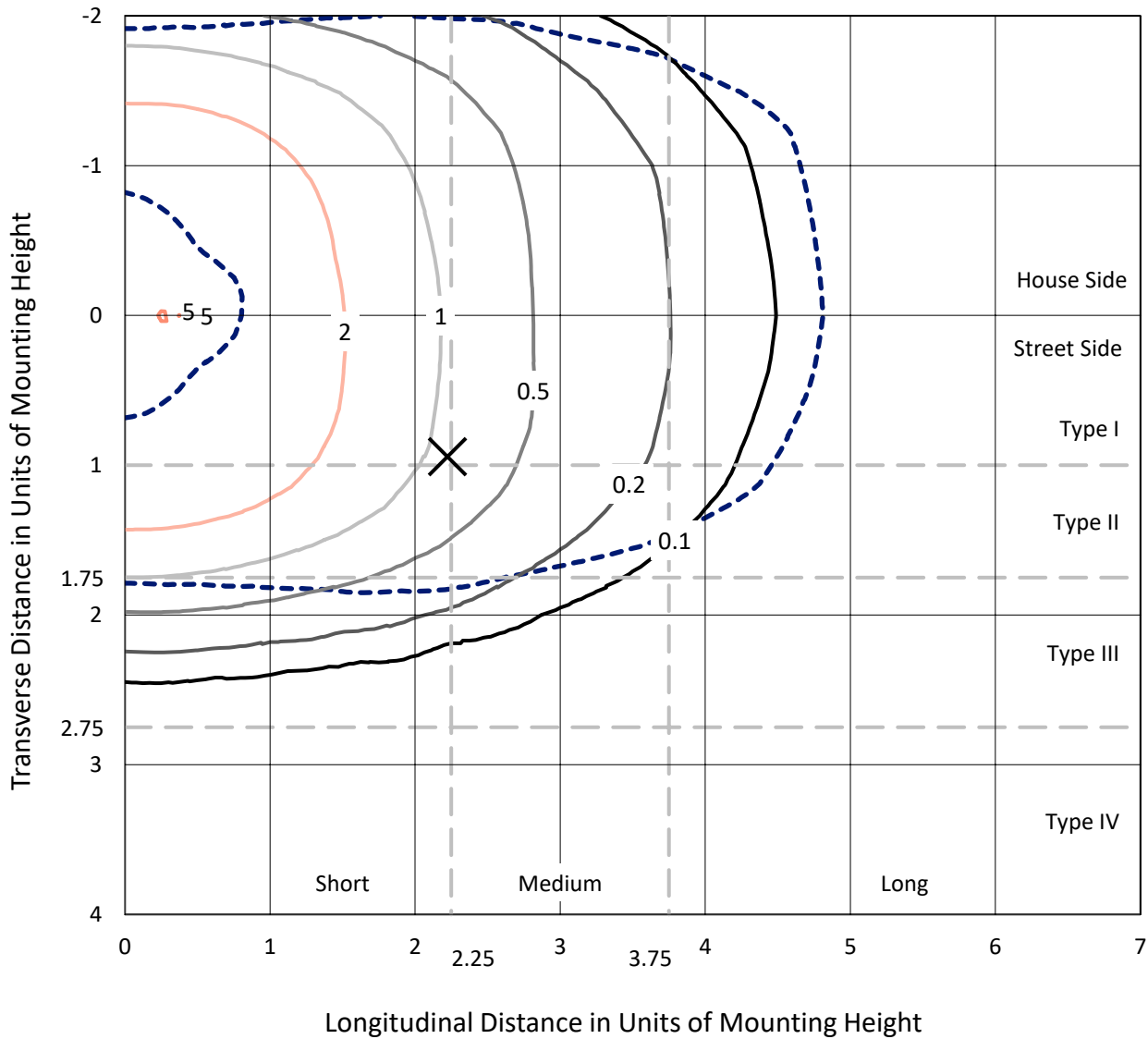
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640833
 CATALOG NUMBER: GWS-SA5E-760-U-RW-W

Iso-Footcandle Lines of Horizontal Illumination

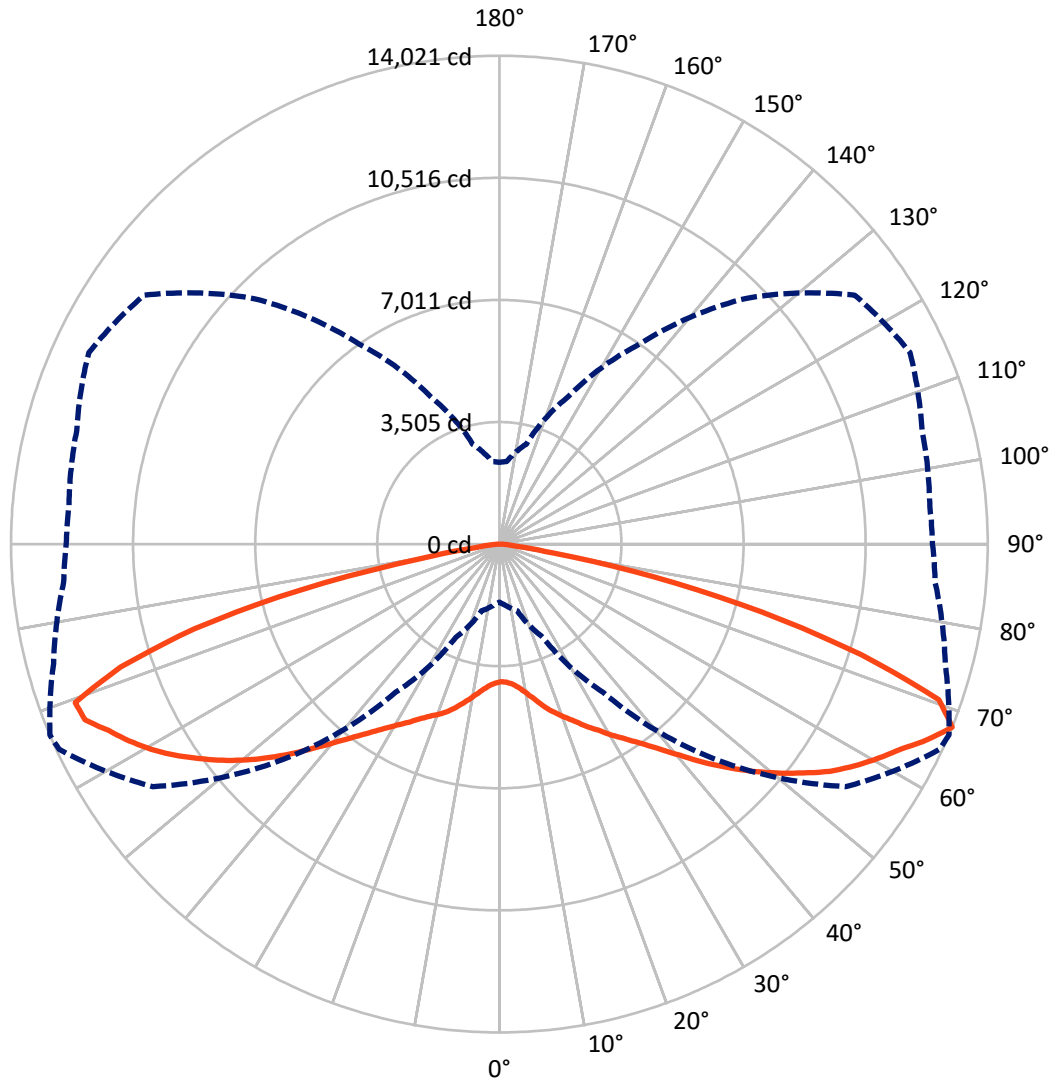
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

REPORT NUMBER: P640833
CATALOG NUMBER: GWS-SA5E-760-U-RW-W

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P640833

CATALOG NUMBER: GWS-SA5E-760-U-RW-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19279.5	0.0	19279.5
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	19709.8	0.0	19709.8
	% Fixture	50.6	0.0	50.6
Total	Lumens	38989.2	0.0	38989.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.3	1.0
10°-20°	1308.6	3.4
20°-30°	2567.4	6.6
30°-40°	4374.0	11.2
40°-50°	7023.8	18.0
50°-60°	9543.8	24.5
60°-70°	9129.3	23.4
70°-80°	4340.4	11.1
80°-90°	314.5	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°	38989.2	100.0
0°-180°	38989.2	100.0

Coefficient of Utilization



REPORT NUMBER: P640833

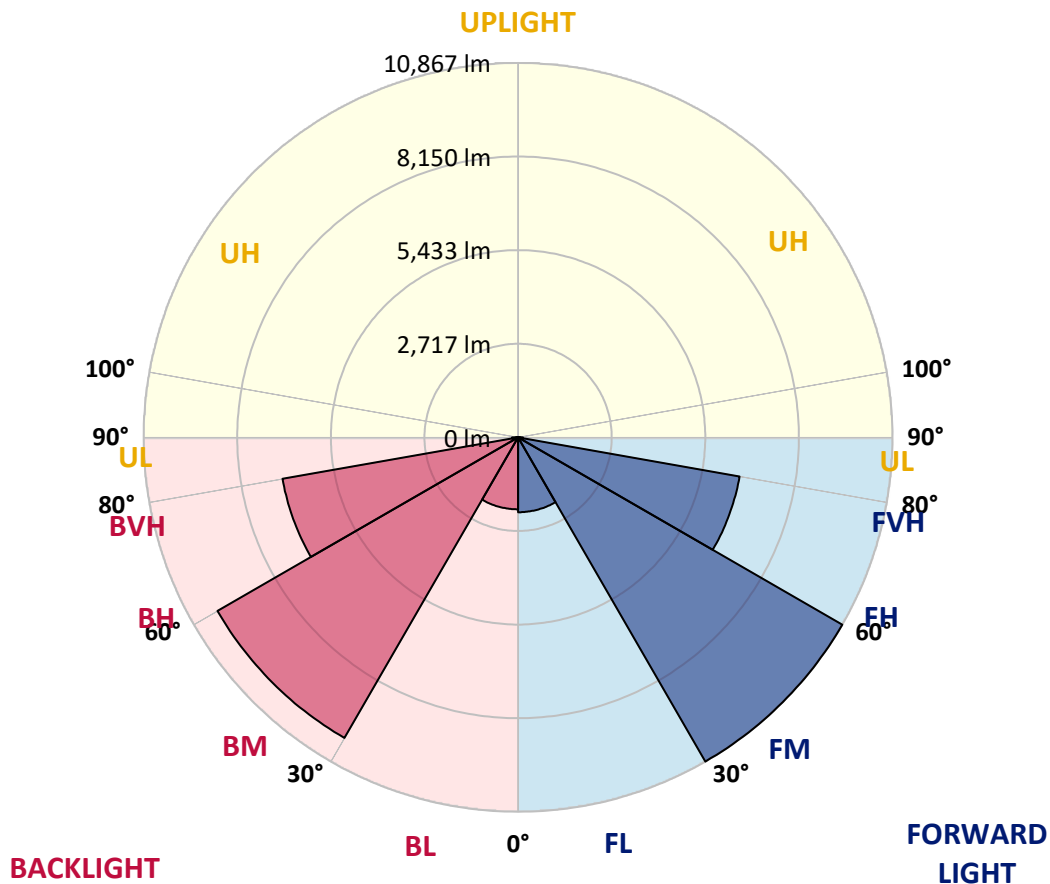
CATALOG NUMBER: GWS-SA5E-760-U-RW-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2173.9	5.6			
FM (30°-60°)	10866.6	27.9			
FH (60°-80°)	6527.8	16.7			G3/7500
FVH (80°-90°)	141.4	0.4			G2/225
BL (0°-30°)	2089.4	5.4	B3/2500		
BM (30°-60°)	10075.0	25.8	B5		
BH (60°-80°)	6941.9	17.8	B5		G5
BVH (80°-90°)	173.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





REPORT NUMBER: P640833
 CATALOG NUMBER: GWS-SA5E-760-U-RW-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3947.9	3947.9	3947.9	3947.9	3947.9	3947.9	3947.9	3947.9	3947.9	3947.9	3947.9
2.5°	3866.4	3871.8	3880.0	3896.3	3912.6	3937.0	3961.4	3958.7	3969.6	3977.7	3985.9
5°	3844.7	3850.1	3863.7	3885.4	3909.9	3950.6	4002.2	4023.9	4040.2	4070.1	4097.2
7.5°	3890.9	3901.7	3920.7	3950.6	3988.6	4040.2	4110.8	4148.8	4173.2	4227.5	4273.7
10°	3953.3	3966.9	4004.9	4061.9	4118.9	4197.7	4287.3	4344.3	4360.6	4431.2	4518.1
12.5°	4013.0	4029.3	4091.8	4195.0	4298.1	4404.0	4509.9	4580.5	4585.9	4681.0	4778.7
15°	4108.1	4121.6	4205.8	4338.9	4496.3	4643.0	4773.3	4822.2	4843.9	4911.8	5033.9
17.5°	4317.1	4333.4	4442.0	4585.9	4751.6	4906.3	5036.7	5077.4	5077.4	5134.4	5234.9
20°	4542.5	4558.8	4702.7	4887.3	5088.3	5245.7	5346.2	5308.2	5294.6	5310.9	5381.5
22.5°	4795.0	4824.9	4963.4	5177.9	5424.9	5617.7	5669.3	5555.3	5517.2	5479.2	5495.5
25°	5118.1	5153.4	5289.2	5517.2	5758.9	5962.5	5992.4	5815.9	5794.2	5661.2	5612.3
27.5°	5490.1	5517.2	5685.6	5911.0	6136.3	6307.4	6339.9	6122.7	6049.4	5864.8	5750.8
30°	5970.7	5995.1	6141.7	6364.4	6559.9	6679.3	6720.1	6421.4	6364.4	6082.0	5905.5
32.5°	6494.7	6505.6	6654.9	6869.4	7043.2	7157.2	7100.2	6752.7	6668.5	6350.8	6109.2
35°	7094.8	7094.8	7287.5	7461.3	7599.8	7632.4	7523.8	7127.4	7029.6	6684.8	6383.4
37.5°	7684.0	7700.3	7879.5	8085.8	8208.0	8202.6	8004.4	7569.9	7458.6	7083.9	6749.9
40°	8322.0	8357.3	8536.5	8767.3	8884.1	8867.8	8563.7	8080.4	7966.3	7523.8	7197.9
42.5°	8908.5	8965.5	9174.6	9410.8	9538.4	9527.6	9209.9	8666.9	8555.5	8055.9	7730.1
45°	9375.5	9435.3	9695.9	10024.4	10228.1	10209.1	9888.7	9275.1	9139.3	8615.3	8256.9
47.5°	9785.5	9848.0	10138.5	10486.0	10809.1	10841.7	10548.5	9888.7	9744.8	9215.3	8810.8
50°	10100.5	10130.3	10456.2	10836.3	11211.0	11392.9	11137.7	10505.0	10331.3	9807.2	9351.1
52.5°	10076.0	10116.8	10518.6	11034.5	11536.8	11835.5	11659.0	11086.1	10917.7	10347.6	9902.3
55°	9579.2	9619.9	10097.8	10849.9	11718.7	12158.6	12139.6	11640.0	11517.8	10898.7	10475.2
57.5°	8854.2	8943.8	9419.0	10230.8	11479.8	12416.5	12492.5	12145.0	12017.4	11439.1	11042.6
60°	7556.3	7675.8	8224.3	9277.8	10714.1	12329.6	12870.0	12571.3	12492.5	11941.4	11555.8
62.5°	5490.1	5577.0	6307.4	7689.4	9579.2	11710.6	13187.6	13011.1	12951.4	12392.1	12020.1
65°	3288.1	3486.3	4072.8	5438.5	7727.4	10543.0	13013.9	13586.8	13524.3	12856.4	12416.5
67.5°	1664.4	1754.0	1984.8	2948.7	5196.9	8723.9	12142.3	13945.2	14021.2	13252.8	12557.7
70°	1031.8	1056.2	1121.4	1455.3	2595.7	5731.7	9929.4	13011.1	13383.1	13190.4	12191.2
72.5°	828.1	833.6	844.4	906.9	1246.3	2679.9	6277.5	10190.1	10860.7	12318.8	11667.1
75°	686.9	689.7	692.4	711.4	776.5	1094.2	3054.6	7002.5	7787.1	10469.7	10817.3
77.5°	551.2	537.6	548.5	556.6	572.9	610.9	1053.5	3736.1	4531.6	6872.1	8365.5
80°	358.4	353.0	374.7	382.8	399.1	423.6	562.0	1268.0	1539.5	2500.7	2660.9
82.5°	192.8	181.9	228.1	219.9	228.1	247.1	331.3	464.3	521.3	754.8	638.1
85°	59.7	59.7	62.4	73.3	89.6	86.9	143.9	228.1	252.5	323.1	238.9
87.5°	10.9	10.9	10.9	10.9	10.9	13.6	29.9	46.2	62.4	111.3	84.2
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: P640833
 CATALOG NUMBER: GWS-SA5E-760-U-RW-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3947.9	3947.9	3947.9	3947.9	3947.9	3947.9	3947.9	3947.9	3947.9	3947.9	3947.9
2.5°	4002.2	3977.7	3991.3	3999.5	3996.7	3991.3	3964.2	3958.7	3945.2	3923.4	3918.0
5°	4121.6	4094.5	4097.2	4089.1	4061.9	4026.6	3966.9	3937.0	3912.6	3885.4	3882.7
7.5°	4309.0	4279.1	4271.0	4233.0	4156.9	4075.5	3980.5	3926.2	3885.4	3850.1	3844.7
10°	4547.9	4518.1	4490.9	4401.3	4276.4	4167.8	4042.9	3964.2	3904.4	3861.0	3852.8
12.5°	4814.0	4789.6	4721.7	4591.4	4442.0	4314.4	4186.8	4089.1	4002.2	3937.0	3928.9
15°	5110.0	5055.7	4952.5	4784.1	4643.0	4539.8	4385.0	4252.0	4113.5	4026.6	4007.6
17.5°	5316.3	5270.2	5148.0	4985.1	4873.8	4784.1	4602.2	4412.2	4224.8	4097.2	4070.1
20°	5462.9	5414.1	5275.6	5156.1	5120.8	5044.8	4833.0	4613.1	4395.9	4238.4	4203.1
22.5°	5568.8	5517.2	5376.1	5316.3	5365.2	5351.6	5145.3	4895.5	4637.5	4450.2	4406.7
25°	5669.3	5620.4	5495.5	5517.2	5647.6	5688.3	5465.7	5175.1	4881.9	4662.0	4610.4
27.5°	5764.3	5701.9	5644.9	5764.3	5949.0	6025.0	5788.8	5460.2	5142.6	4917.2	4876.5
30°	5911.0	5837.6	5829.5	6003.3	6296.5	6361.7	6101.0	5772.5	5457.5	5229.4	5177.9
32.5°	6095.6	6027.7	6033.1	6293.8	6633.2	6687.5	6464.8	6158.0	5843.1	5615.0	5544.4
35°	6345.4	6261.2	6307.4	6627.8	6969.9	7070.3	6891.1	6635.9	6329.1	6095.6	6016.8
37.5°	6690.2	6568.0	6663.1	6999.7	7344.6	7493.9	7355.4	7165.4	6861.3	6625.0	6551.7
40°	7130.1	7029.6	7067.6	7439.6	7795.3	7974.5	7887.6	7700.3	7398.9	7151.8	7067.6
42.5°	7651.4	7550.9	7537.3	7933.8	8289.4	8561.0	8476.8	8305.7	7993.5	7711.1	7629.7
45°	8161.8	8069.5	8088.5	8493.1	8892.2	9188.2	9104.0	8903.1	8563.7	8237.9	8172.7
47.5°	8694.0	8618.0	8634.3	9063.3	9503.1	9799.1	9693.2	9448.8	9052.4	8704.9	8626.1
50°	9239.8	9152.9	9177.3	9628.0	10103.2	10382.9	10219.9	9858.8	9421.7	9082.3	9014.4
52.5°	9782.8	9679.6	9742.1	10168.4	10659.8	10882.4	10581.1	10143.9	9720.3	9383.7	9307.6
55°	10407.3	10298.7	10230.8	10687.0	11173.0	11265.3	10852.6	10342.1	9839.8	9457.0	9410.8
57.5°	10977.5	10885.2	10757.5	11213.7	11572.1	11504.2	11061.6	10287.8	9549.3	9057.8	8992.7
60°	11487.9	11409.2	11297.9	11686.1	11849.1	11697.0	10893.3	9644.3	8832.5	8319.3	8289.4
62.5°	11957.7	11873.5	11770.3	12101.6	12079.8	11726.9	10127.6	8656.0	7569.9	7018.7	6969.9
65°	12329.6	12253.6	12223.7	12484.4	12449.1	11143.1	8935.7	7037.8	5530.8	4909.0	4890.0
67.5°	12435.5	12405.7	12565.9	13008.4	12457.3	9970.1	7007.9	4667.4	2970.4	2381.2	2345.9
70°	12039.1	12036.4	12495.3	13127.9	11327.7	7616.1	4135.2	2104.3	1493.3	1325.0	1303.3
72.5°	11523.2	11515.1	11878.9	11325.0	8400.8	4167.8	1740.4	1126.8	934.0	887.9	887.9
75°	10676.1	10654.4	10928.6	8615.3	4724.4	1569.4	923.2	773.8	733.1	725.0	725.0
77.5°	8702.2	8520.2	8088.5	5324.5	1648.1	771.1	610.9	608.2	583.8	581.0	581.0
80°	2861.8	2861.8	3326.1	2031.0	727.7	475.2	431.7	453.4	429.0	412.7	410.0
82.5°	467.0	643.5	915.0	581.0	393.7	296.0	266.1	282.4	296.0	236.2	236.2
85°	184.6	241.7	353.0	271.5	181.9	119.5	127.6	141.2	124.9	108.6	105.9
87.5°	70.6	86.9	124.9	65.2	38.0	21.7	13.6	13.6	10.9	10.9	10.9
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)