

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: P639876

Luminaire Tested: GWS-SA5C-760-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-760-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21062.9 lumens
Efficiency: N/A
Efficacy: 133.7 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

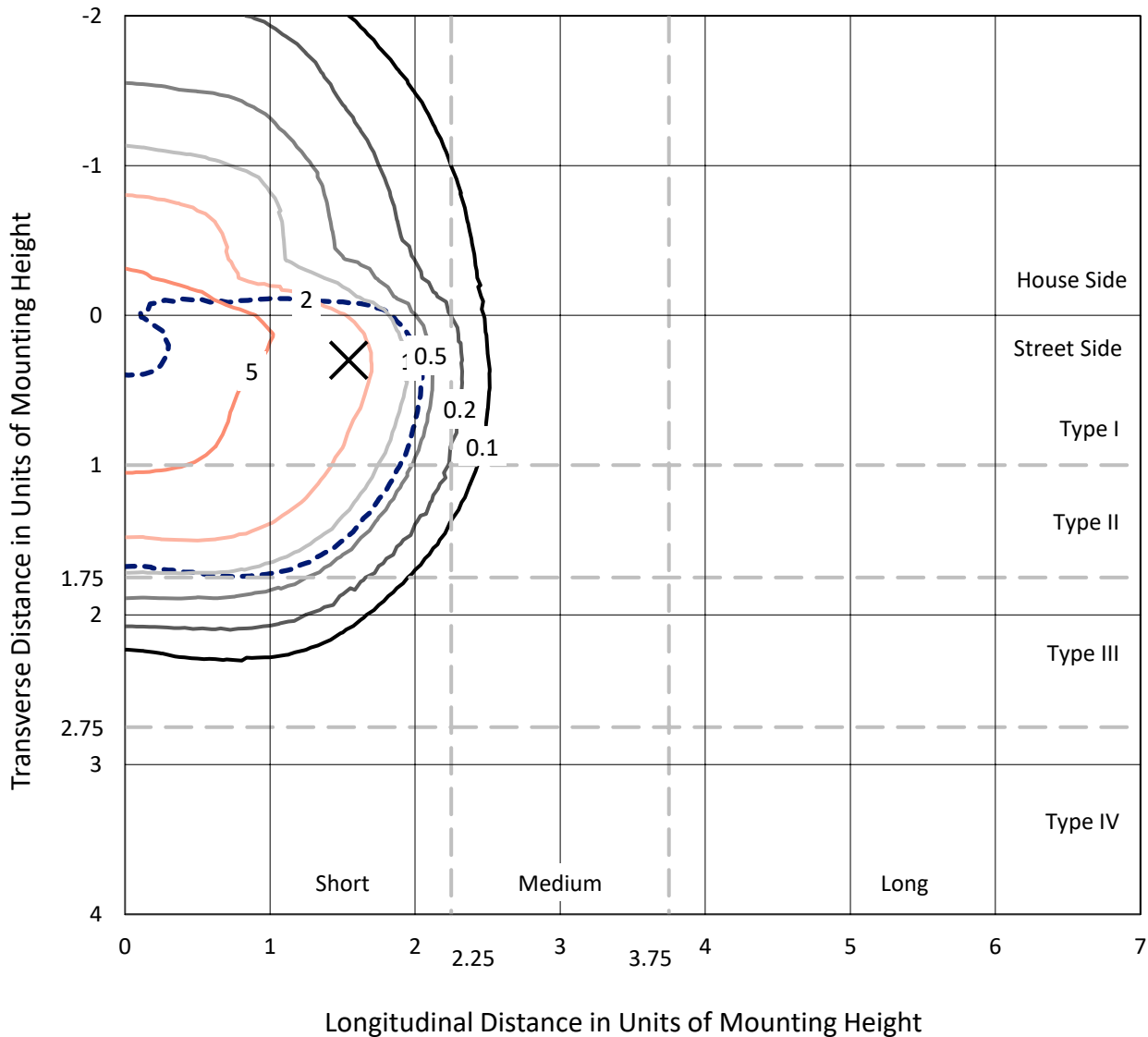


REPORT NUMBER: P639876

CATALOG NUMBER: GWS-SA5C-760-U-T3R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

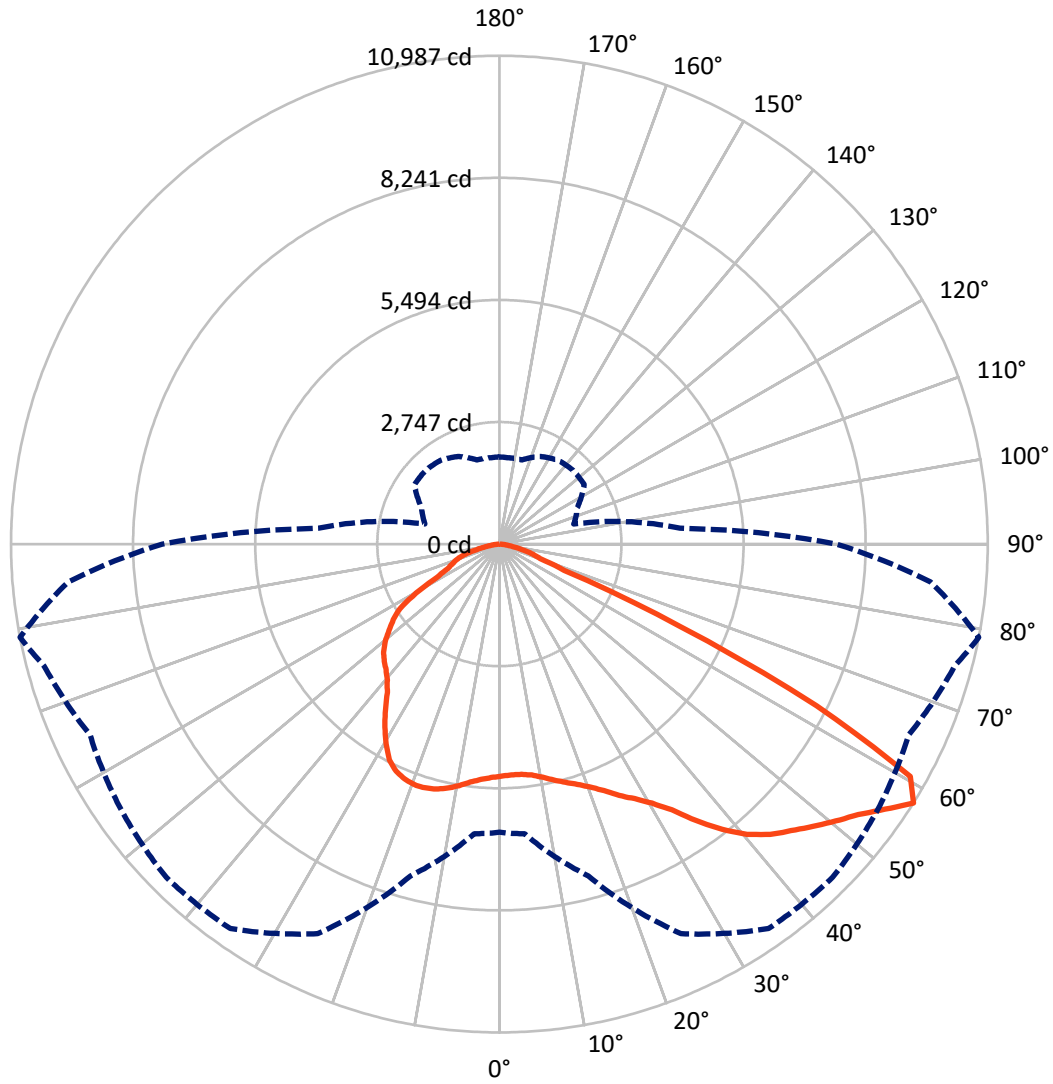
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type II - Short - N/A

REPORT NUMBER: P639876
CATALOG NUMBER: GWS-SA5C-760-U-T3R-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P639876

CATALOG NUMBER: GWS-SA5C-760-U-T3R-W-GRSWH

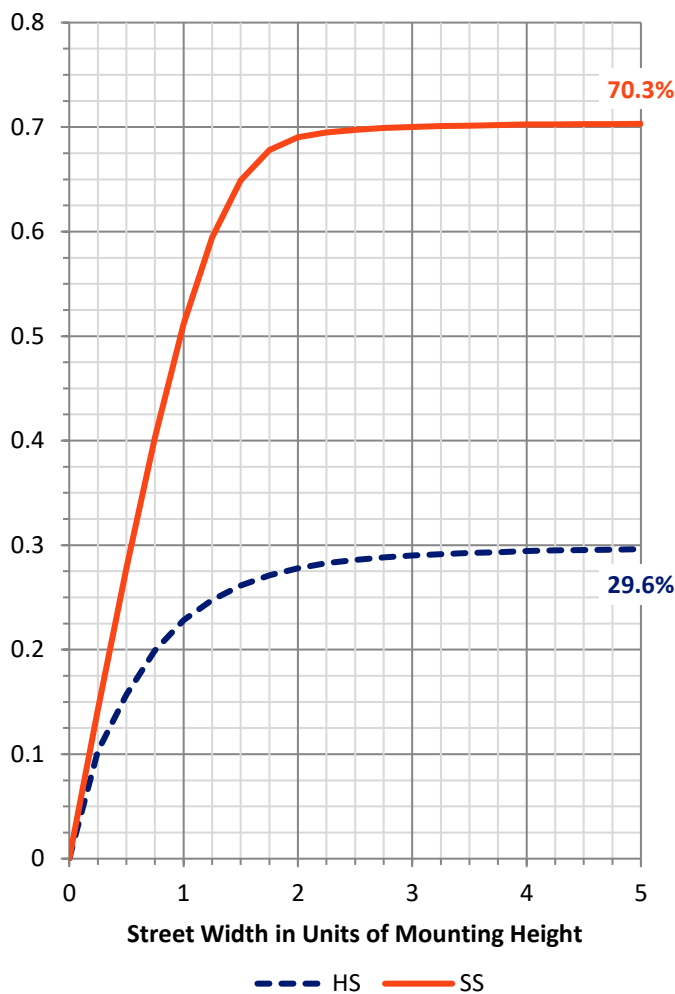
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6261.0	0.0	6261.0
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	14801.9	0.0	14801.9
	% Fixture	70.3	0.0	70.3
Total	Lumens	21062.9	0.0	21062.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.4	2.3
10°-20°	1343.4	6.4
20°-30°	2277.1	10.8
30°-40°	3485.4	16.5
40°-50°	4647.4	22.1
50°-60°	5367.4	25.5
60°-70°	2789.1	13.2
70°-80°	592.9	2.8
80°-90°	76.8	0.4
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°	21062.9	100.0
0°-180°	21062.9	100.0

Coefficient of Utilization



REPORT NUMBER: P639876

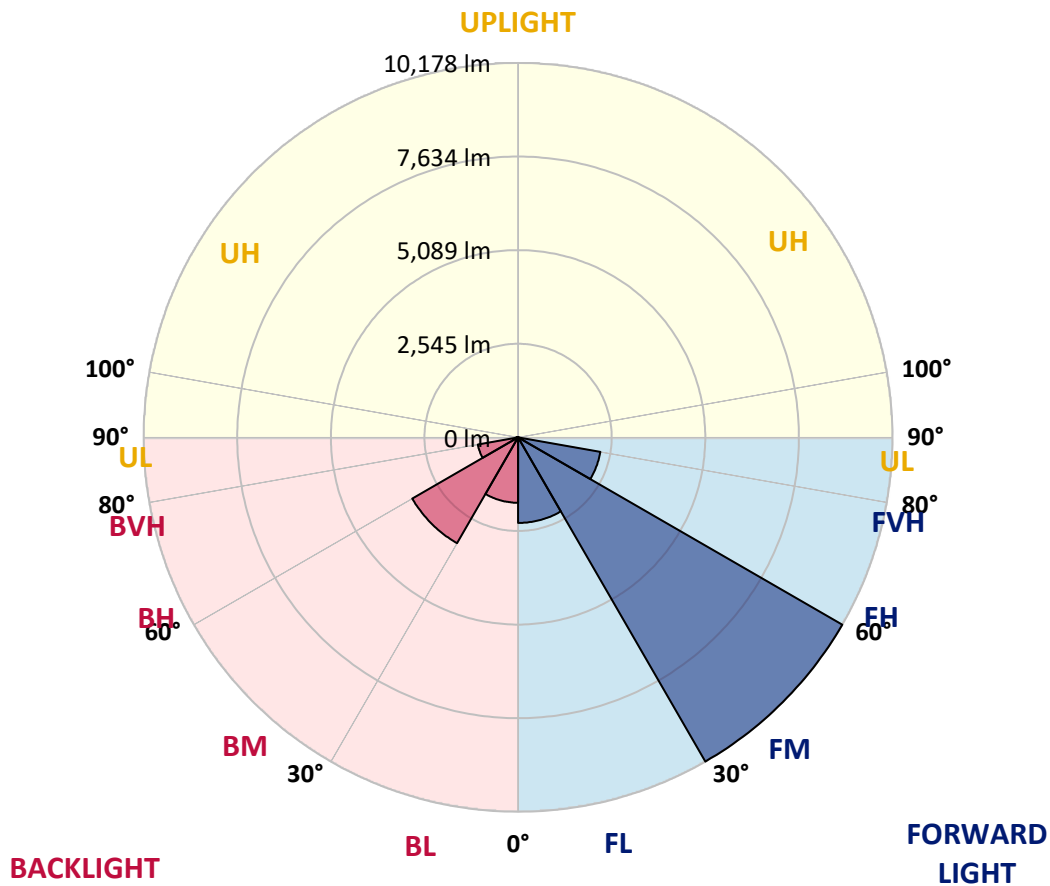
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2325.8	11.0			
FM (30°-60°)	10178.2	48.3			
FH (60°-80°)	2271.1	10.8			G2/5000
FVH (80°-90°)	26.8	0.1			G1/100
BL (0°-30°)	1778.1	8.4	B3/2500		
BM (30°-60°)	3322.1	15.8	B3/5000		
BH (60°-80°)	1110.9	5.3	B3/2500		G3/2500
BVH (80°-90°)	50.0	0.2			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: P639876

CATALOG NUMBER: GWS-SA5C-760-U-T3R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5219.9	5219.9	5219.9	5219.9	5219.9	5219.9	5219.9	5219.9	5219.9	5219.9	5219.9
2.5°	4982.2	4971.9	4975.3	4989.1	5040.8	5078.7	5118.3	5154.4	5188.9	5199.2	5207.8
5°	4804.8	4785.9	4791.1	4813.4	4873.7	4937.4	5008.0	5094.2	5176.8	5204.4	5240.5
7.5°	4679.1	4675.7	4684.3	4718.7	4782.4	4842.7	4934.0	5056.3	5199.2	5245.7	5309.4
10°	4512.1	4505.2	4539.6	4610.2	4715.3	4811.7	4920.2	5064.9	5264.6	5333.5	5431.7
12.5°	4379.5	4376.0	4412.2	4510.3	4644.7	4797.9	4947.8	5109.7	5352.5	5447.2	5567.8
15°	4457.0	4441.5	4443.2	4512.1	4632.6	4813.4	5016.7	5190.6	5440.3	5560.9	5715.9
17.5°	4682.6	4655.0	4634.3	4646.4	4715.3	4903.0	5121.7	5299.1	5541.9	5683.1	5872.6
20°	4994.3	4978.8	4921.9	4884.1	4899.6	5064.9	5287.0	5452.4	5674.5	5833.0	6036.2
22.5°	5412.8	5374.9	5297.4	5237.1	5190.6	5319.8	5524.7	5667.6	5858.8	6024.1	6235.9
25°	5931.1	5876.0	5753.7	5659.0	5559.1	5691.7	5874.3	5982.8	6112.0	6265.2	6466.7
27.5°	6459.8	6413.3	6277.3	6149.8	6025.8	6108.5	6325.5	6387.5	6373.7	6485.7	6657.9
30°	7023.0	6964.4	6835.3	6697.5	6537.3	6590.7	6785.3	6816.3	6669.9	6762.9	6880.0
32.5°	7617.1	7560.3	7448.4	7288.2	7107.4	7128.0	7181.4	7210.7	7071.2	7124.6	7214.1
35°	8221.6	8168.2	8054.6	7896.1	7763.5	7637.8	7503.5	7620.6	7539.6	7643.0	7636.1
37.5°	8774.4	8721.0	8650.4	8528.1	8300.8	8052.8	7742.8	7887.5	8013.2	8144.1	8121.7
40°	9148.1	9112.0	9129.2	9110.2	8817.5	8326.7	7859.9	8018.4	8361.1	8585.0	8572.9
42.5°	9470.2	9434.0	9533.9	9606.2	9261.8	8579.8	7916.8	8068.3	8583.3	8932.9	8915.6
45°	9613.1	9602.8	9768.1	9997.2	9668.2	8848.5	8063.2	8171.7	8752.0	9199.8	9134.3
47.5°	9442.6	9478.8	9804.3	10191.8	10005.8	9167.1	8362.8	8390.4	8972.5	9489.1	9304.8
50°	9103.3	9182.6	9621.7	10196.9	10252.0	9527.0	8777.9	8709.0	9268.7	9797.4	9394.4
52.5°	8609.1	8691.8	9408.2	10157.3	10393.2	9943.8	9330.7	9232.5	9642.4	10105.6	9409.9
55°	7474.2	7586.1	8919.1	10067.8	10531.0	10322.6	9954.1	9754.3	10124.6	10529.3	9563.2
57.5°	6483.9	6542.5	7727.3	9669.9	10558.6	10601.6	10398.4	10160.8	10603.4	10987.4	9735.4
60°	4758.3	4772.1	5838.1	8001.2	9713.0	10439.7	10362.2	10009.2	10376.0	10620.6	8946.6
62.5°	2688.3	2690.0	3540.8	5340.4	7255.5	8509.2	8557.4	8245.7	7937.4	8009.8	6227.3
65°	1009.2	1103.9	1617.1	2624.6	4183.1	5023.5	5223.3	5295.6	4782.4	4463.8	3339.3
67.5°	675.1	697.5	943.7	1350.2	1861.7	2149.3	2404.1	2411.0	1763.5	1572.3	1315.7
70°	514.9	537.3	742.3	966.1	943.7	871.4	942.0	916.2	947.2	973.0	1000.6
72.5°	384.0	406.4	575.2	682.0	566.6	558.0	632.0	702.6	768.1	795.6	838.7
75°	254.9	272.1	387.5	365.1	313.4	370.3	461.5	532.1	570.0	602.8	635.5
77.5°	161.9	173.9	206.7	167.0	173.9	217.0	268.7	332.4	368.5	401.3	418.5
80°	74.1	72.3	70.6	79.2	98.2	127.4	161.9	199.8	227.3	241.1	251.4
82.5°	29.3	32.7	36.2	43.1	53.4	68.9	91.3	117.1	139.5	142.9	151.6
85°	12.1	13.8	15.5	18.9	24.1	31.0	37.9	53.4	67.2	72.3	77.5
87.5°	0.0	0.0	0.0	0.0	1.7	3.4	5.2	8.6	15.5	17.2	18.9
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: P639876
 CATALOG NUMBER: GWS-SA5C-760-U-T3R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5219.9	5219.9	5219.9	5219.9	5219.9	5219.9	5219.9	5219.9	5219.9	5219.9	5219.9
2.5°	5254.3	5231.9	5269.8	5295.6	5319.8	5293.9	5285.3	5262.9	5259.5	5259.5	5271.5
5°	5302.5	5287.0	5326.6	5342.1	5340.4	5283.6	5249.2	5204.4	5182.0	5182.0	5185.4
7.5°	5388.6	5380.0	5402.4	5378.3	5323.2	5207.8	5094.2	4999.4	4935.7	4903.0	4913.3
10°	5531.6	5521.3	5502.3	5412.8	5254.3	5014.9	4782.4	4610.2	4506.9	4448.3	4451.8
12.5°	5671.1	5653.9	5586.7	5388.6	5063.2	4682.6	4377.7	4184.9	4071.2	4002.3	3986.8
15°	5824.4	5779.6	5634.9	5264.6	4751.4	4276.1	3957.5	3749.1	3626.9	3585.5	3583.8
17.5°	5970.7	5891.5	5629.7	5044.2	4377.7	3850.8	3530.4	3401.3	3380.6	3399.5	3404.7
20°	6118.8	5991.4	5572.9	4739.4	3933.4	3427.1	3261.8	3315.2	3392.7	3444.3	3456.4
22.5°	6272.1	6074.1	5443.8	4346.7	3465.0	3141.2	3210.1	3327.2	3423.7	3492.5	3499.4
25°	6444.3	6151.6	5250.9	3866.3	3089.6	3062.0	3198.1	3322.1	3425.4	3504.6	3518.4
27.5°	6542.5	6153.3	4980.5	3372.0	2917.3	3031.0	3168.8	3285.9	3389.2	3475.3	3490.8
30°	6638.9	6106.8	4551.7	2970.7	2867.4	2994.8	3118.8	3227.3	3325.5	3409.9	3428.8
32.5°	6775.0	6063.7	4057.4	2740.0	2838.1	2960.4	3062.0	3158.4	3234.2	3272.1	3282.4
35°	6943.8	6008.6	3532.2	2640.1	2819.2	2932.8	3022.4	3074.1	2975.9	2955.2	2977.6
37.5°	7179.7	5957.0	3008.6	2597.0	2807.1	2922.5	3001.7	2869.1	2748.6	2700.4	2717.6
40°	7434.6	5927.7	2653.9	2562.6	2812.3	2932.8	2915.6	2719.3	2545.4	2443.7	2440.3
42.5°	7651.6	5882.9	2426.5	2540.2	2826.1	2972.5	2798.5	2586.7	2328.4	2268.1	2269.8
45°	7798.0	5769.2	2306.0	2516.1	2838.1	2981.1	2743.4	2404.1	2219.9	2182.0	2180.3
47.5°	7858.2	5562.6	2228.5	2478.2	2836.4	2910.5	2631.5	2328.4	2144.1	2133.8	2140.6
50°	7818.6	5223.3	2149.3	2404.1	2795.1	2836.4	2502.3	2261.2	2092.4	2149.3	2190.6
52.5°	7672.2	4784.2	2054.5	2302.5	2721.0	2752.0	2436.9	2219.9	2054.5	2130.3	2163.0
55°	7634.3	4427.7	1934.0	2169.9	2610.8	2602.2	2368.0	2199.2	2028.7	1999.4	2004.6
57.5°	7584.4	4079.8	1734.2	1932.3	2331.8	2345.6	2302.5	2175.1	1961.5	1952.9	1961.5
60°	6589.0	3127.4	1546.5	1667.1	1915.0	1989.1	2228.5	2130.3	1853.0	1816.9	1815.2
62.5°	4303.7	1894.4	1376.0	1453.5	1560.3	1646.4	2032.2	2001.2	1734.2	1711.8	1727.3
65°	2314.6	1350.2	1252.0	1298.5	1357.1	1422.5	1684.3	1782.4	1567.2	1487.9	1489.7
67.5°	1183.1	1148.7	1159.0	1191.7	1236.5	1269.2	1358.8	1444.9	1336.4	1269.2	1267.5
70°	1012.6	1040.2	1055.7	1074.6	1103.9	1098.7	1107.4	1122.8	1114.2	1081.5	1079.8
72.5°	862.8	905.9	909.3	912.7	923.1	899.0	883.5	857.6	859.4	864.5	866.2
75°	656.1	697.5	707.8	702.6	713.0	682.0	661.3	635.5	604.5	599.3	602.8
77.5°	427.1	459.8	475.3	471.9	477.0	452.9	442.6	415.0	378.9	365.1	365.1
80°	258.3	277.3	289.3	292.8	297.9	280.7	263.5	239.4	223.9	208.4	208.4
82.5°	156.7	168.8	177.4	177.4	182.5	163.6	149.8	132.6	125.7	111.9	111.9
85°	79.2	87.8	91.3	89.6	86.1	70.6	65.4	56.8	53.4	46.5	46.5
87.5°	18.9	24.1	24.1	17.2	17.2	8.6	5.2	1.7	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)