

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: P635332

Luminaire Tested: GWS-SA3D-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635332  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-750-U-RW-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

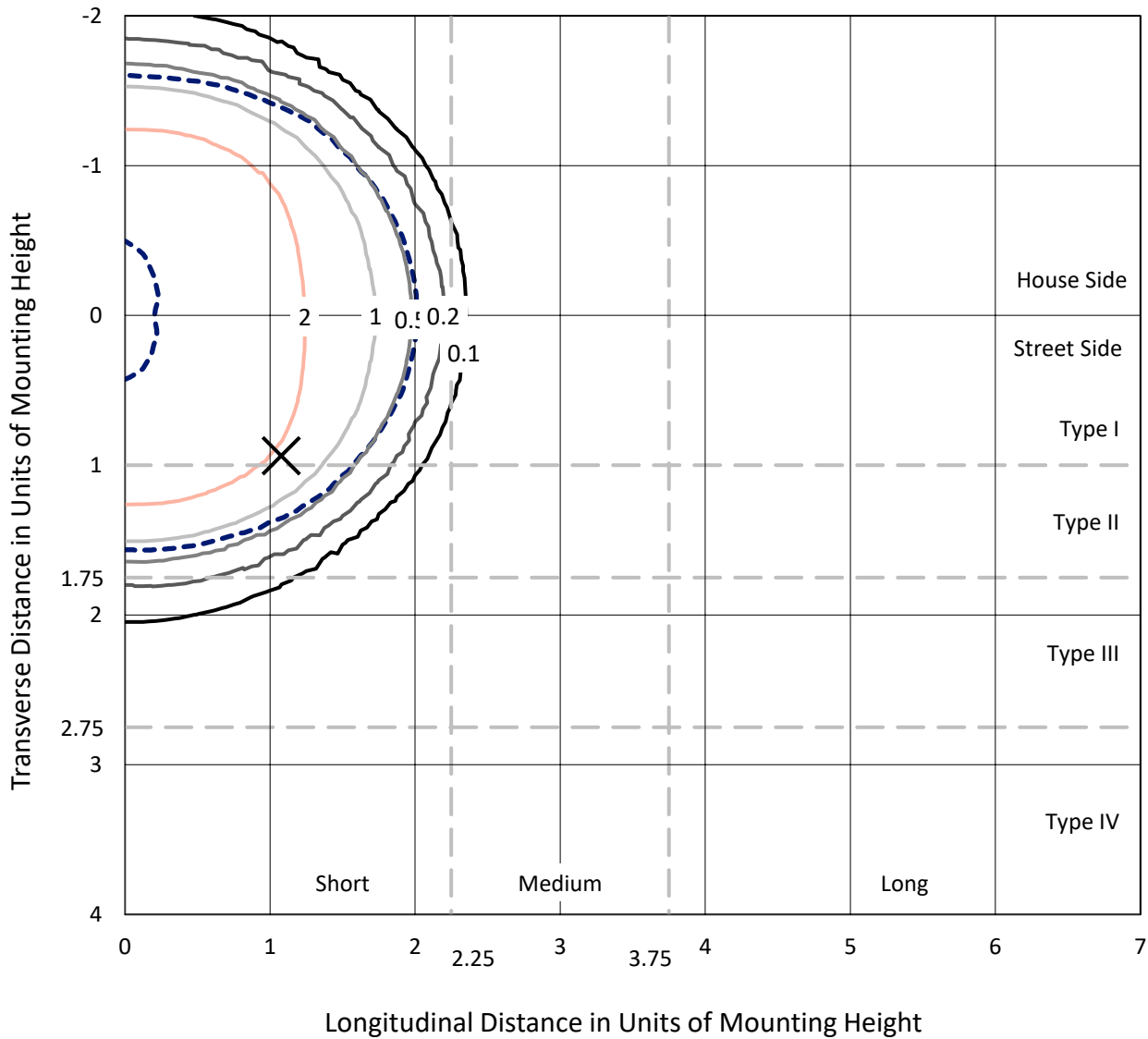
Lumens per Lamp: N/A  
Luminaire Lumens: 15868.9 lumens  
Efficiency: N/A  
Efficacy: 131.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

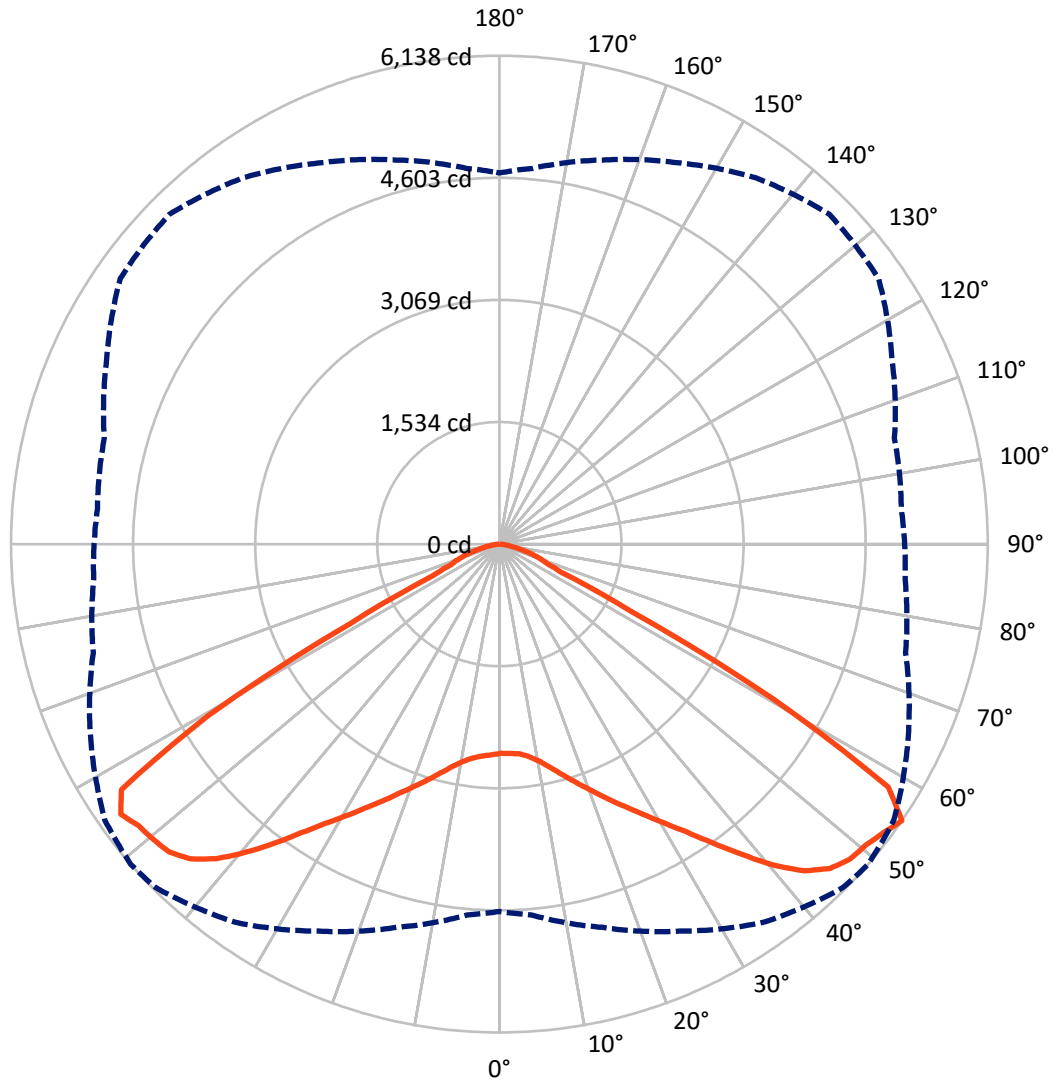
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7856.6	0.0	7856.6
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	8012.3	0.0	8012.3
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	15868.9	0.0	15868.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.4	1.6
10°-20°	845.8	5.3
20°-30°	1611.1	10.2
30°-40°	2731.1	17.2
40°-50°	4110.2	25.9
50°-60°	4499.0	28.4
60°-70°	1422.6	9.0
70°-80°	341.4	2.2
80°-90°	51.2	0.3
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°	15868.9	100.0
0°-180°	15868.9	100.0

**Coefficient of Utilization**



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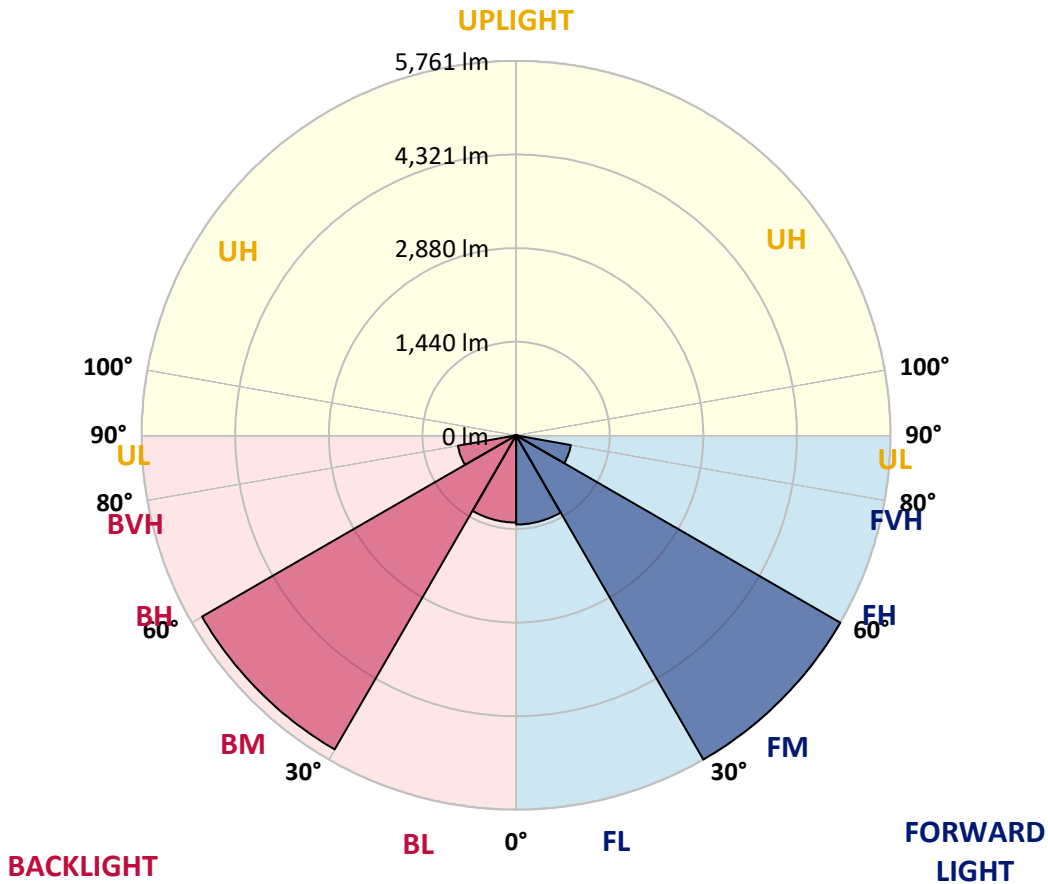
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1372.0	8.6			
FM (30°-60°)	5760.9	36.3			
FH (60°-80°)	855.7	5.4			G1/1800
FVH (80°-90°)	23.7	0.1			G1/100
BL (0°-30°)	1341.4	8.5	B3/2500		
BM (30°-60°)	5579.4	35.2	B4/8500		
BH (60°-80°)	908.3	5.7	B2/1000		G1/1800
BVH (80°-90°)	27.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	2628.8	2628.8	2628.8	2628.8	2628.8	2628.8	2628.8	2628.8	2628.8	2628.8	2628.8
2.5°	2590.1	2592.6	2597.8	2606.8	2615.9	2628.8	2633.9	2640.4	2639.1	2646.8	2646.8
5°	2577.2	2581.0	2588.8	2601.7	2617.2	2641.7	2648.1	2663.6	2679.1	2698.5	2704.9
7.5°	2592.6	2597.8	2606.8	2627.5	2650.7	2683.0	2695.9	2721.7	2751.4	2786.2	2800.4
10°	2622.3	2628.8	2644.3	2677.8	2715.2	2764.3	2775.9	2808.2	2855.9	2903.7	2932.1
12.5°	2655.9	2666.2	2694.6	2747.5	2803.0	2867.5	2885.6	2925.6	2977.2	3039.2	3077.9
15°	2694.6	2703.6	2747.5	2822.4	2908.8	2994.0	3014.6	3053.4	3111.4	3172.1	3226.3
17.5°	2775.9	2791.4	2843.0	2929.5	3030.1	3130.8	3154.0	3197.9	3244.4	3292.1	3343.7
20°	2886.9	2899.8	2965.6	3072.7	3191.4	3283.1	3306.3	3345.0	3367.0	3391.5	3435.4
22.5°	2997.9	3015.9	3090.8	3217.3	3356.6	3456.0	3474.1	3510.2	3494.7	3487.0	3515.4
25°	3136.0	3160.5	3234.0	3372.1	3514.1	3636.7	3650.9	3681.8	3656.0	3616.0	3614.7
27.5°	3307.6	3329.5	3405.7	3547.6	3688.3	3816.1	3843.2	3884.5	3827.7	3778.6	3743.8
30°	3511.5	3525.7	3609.6	3760.6	3905.1	4026.4	4061.3	4102.5	4060.0	3978.7	3943.8
32.5°	3748.9	3768.3	3865.1	4023.8	4152.9	4274.2	4309.0	4360.7	4314.2	4222.6	4178.7
35°	4034.2	4053.5	4155.5	4328.4	4460.0	4585.2	4609.7	4652.3	4594.2	4488.4	4453.6
37.5°	4343.9	4368.4	4497.4	4661.3	4799.4	4945.3	4946.5	4959.5	4876.9	4745.2	4706.5
40°	4692.3	4724.6	4853.6	5024.0	5190.5	5309.2	5307.9	5271.8	5132.4	4928.5	4869.1
42.5°	5036.9	5062.7	5193.0	5368.5	5535.0	5647.3	5613.7	5526.0	5324.7	5047.2	4968.5
45°	5286.0	5305.3	5442.1	5639.6	5808.6	5878.3	5817.6	5711.8	5439.5	5122.1	5005.9
47.5°	5403.4	5429.2	5567.3	5763.4	5954.4	5994.4	5922.2	5822.8	5506.6	5191.7	5035.6
50°	5340.2	5373.7	5529.9	5711.8	5927.3	6009.9	5958.3	5858.9	5577.6	5260.1	5088.5
52.5°	5176.3	5208.5	5406.0	5626.6	5870.6	6034.4	6033.2	5951.9	5658.9	5279.5	5091.1
55°	4616.2	4679.4	4986.6	5367.3	5800.9	6106.7	6137.7	6051.2	5671.8	5284.7	5118.2
57.5°	3004.3	3115.3	3407.0	3902.5	4772.3	5554.4	5763.4	5784.1	5578.9	5262.7	5123.3
60°	1254.4	1343.4	1574.4	1903.5	2622.3	3552.8	3958.0	4364.5	4854.9	5033.0	5075.6
62.5°	779.5	787.2	810.4	885.3	1125.3	1579.6	1840.3	2221.0	2950.1	3570.9	3857.4
65°	703.3	707.2	712.4	707.2	718.8	774.3	844.0	976.9	1273.7	1582.2	1948.7
67.5°	619.4	624.6	628.5	624.6	628.5	631.1	638.8	650.4	704.6	748.5	782.1
70°	500.7	508.5	514.9	512.3	527.8	527.8	535.6	544.6	571.7	604.0	627.2
72.5°	382.0	375.5	383.3	385.9	400.1	407.8	419.4	429.7	460.7	480.1	509.8
75°	247.8	241.3	252.9	259.4	278.8	289.1	299.4	309.7	331.7	344.6	373.0
77.5°	134.2	132.9	144.5	153.6	174.2	187.1	194.9	202.6	220.7	224.5	242.6
80°	77.4	77.4	85.2	91.6	104.5	118.7	126.5	132.9	145.8	149.7	157.4
82.5°	42.6	42.6	46.5	50.3	60.7	68.4	74.8	80.0	91.6	95.5	99.4
85°	20.6	19.4	21.9	24.5	28.4	32.3	36.1	38.7	47.7	50.3	55.5
87.5°	2.6	2.6	2.6	3.9	5.2	7.7	9.0	9.0	14.2	16.8	19.4
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°	2628.8	2628.8	2628.8	2628.8	2628.8	2628.8	2628.8	2628.8	2628.8	2628.8	2628.8
2.5°	2654.6	2637.8	2648.1	2652.0	2652.0	2648.1	2631.4	2626.2	2618.5	2606.8	2606.8
5°	2714.0	2701.0	2703.6	2697.2	2681.7	2662.3	2631.4	2615.9	2603.0	2588.8	2587.5
7.5°	2815.9	2799.1	2796.5	2772.0	2730.7	2689.4	2643.0	2614.6	2595.2	2577.2	2575.9
10°	2948.8	2933.3	2914.0	2864.9	2804.3	2743.6	2680.4	2641.7	2613.3	2587.5	2586.2
12.5°	3097.2	3079.2	3043.0	2970.8	2894.6	2835.3	2763.0	2703.6	2661.0	2626.2	2619.7
15°	3258.6	3232.7	3170.8	3085.6	3010.8	2947.5	2870.1	2784.9	2720.4	2664.9	2658.5
17.5°	3382.4	3348.9	3281.8	3201.8	3139.8	3076.6	2975.9	2868.8	2775.9	2706.2	2695.9
20°	3467.6	3440.5	3364.4	3305.0	3268.9	3213.4	3095.9	2974.6	2870.1	2782.4	2777.2
22.5°	3546.3	3514.1	3439.2	3404.4	3404.4	3367.0	3254.7	3111.4	2988.8	2886.9	2874.0
25°	3635.4	3600.5	3543.8	3539.9	3558.0	3541.2	3405.7	3252.1	3108.9	2994.0	2973.3
27.5°	3759.3	3720.6	3687.0	3710.2	3736.0	3718.0	3567.0	3388.9	3237.9	3121.8	3103.7
30°	3956.7	3909.0	3878.0	3906.4	3956.7	3903.8	3739.9	3551.5	3399.2	3271.5	3262.4
32.5°	4186.4	4132.2	4100.0	4145.1	4190.3	4107.7	3945.1	3764.4	3604.4	3470.2	3454.7
35°	4462.6	4394.2	4346.5	4407.1	4453.6	4372.3	4211.0	4039.3	3861.2	3721.8	3701.2
37.5°	4707.8	4625.2	4592.9	4678.1	4740.1	4687.2	4511.6	4350.3	4155.5	4003.2	3994.1
40°	4885.9	4804.6	4781.4	4922.0	5030.4	5017.5	4860.1	4675.5	4492.3	4316.8	4300.0
42.5°	4963.3	4906.5	4911.7	5101.4	5269.2	5351.8	5211.1	5013.7	4836.9	4654.9	4643.3
45°	4980.1	4945.3	4986.6	5224.0	5444.7	5613.7	5493.7	5328.5	5128.5	4953.0	4947.8
47.5°	4998.2	4978.8	5042.0	5293.7	5555.7	5751.8	5684.7	5514.4	5311.8	5140.1	5127.2
50°	5040.8	5033.0	5104.0	5342.7	5608.6	5789.3	5713.1	5544.1	5336.3	5167.2	5136.3
52.5°	5053.7	5040.8	5142.7	5418.9	5696.3	5788.0	5624.1	5403.4	5194.3	5005.9	4973.6
55°	5093.7	5070.4	5140.1	5447.3	5817.6	5862.8	5618.9	5288.5	4996.9	4740.1	4663.9
57.5°	5104.0	5078.2	5123.3	5400.8	5686.0	5646.0	4938.8	4267.7	3718.0	3432.8	3465.0
60°	5048.5	5056.2	4978.8	4947.8	4560.7	4026.4	3023.7	2417.1	1898.3	1679.0	1726.7
62.5°	3843.2	3875.4	3610.9	3139.8	2414.6	1913.8	1266.0	983.4	832.4	793.7	800.1
65°	1939.6	1983.5	1708.6	1413.1	1050.5	849.2	734.3	711.1	703.3	694.3	694.3
67.5°	767.9	780.8	770.4	721.4	671.1	653.0	647.8	645.3	636.2	631.1	632.4
70°	616.9	627.2	611.7	580.7	560.1	558.8	556.2	551.1	544.6	544.6	548.5
72.5°	503.3	513.6	491.7	472.3	456.8	445.2	438.8	434.9	425.9	425.9	429.7
75°	370.4	376.8	358.8	356.2	339.4	327.8	317.5	312.3	300.7	295.5	299.4
77.5°	246.5	245.2	236.2	236.2	229.7	215.5	203.9	192.3	176.8	166.5	169.1
80°	160.0	160.0	156.2	156.2	149.7	138.1	123.9	112.3	103.2	95.5	95.5
82.5°	102.0	100.7	99.4	98.1	95.5	83.9	73.6	65.8	59.4	54.2	55.5
85°	56.8	56.8	54.2	54.2	49.0	42.6	37.4	32.3	28.4	27.1	27.1
87.5°	19.4	19.4	18.1	18.1	15.5	11.6	9.0	7.7	6.5	5.2	6.5
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)