

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: P635749

Luminaire Tested: GWS-SA3E-735-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21704.9 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

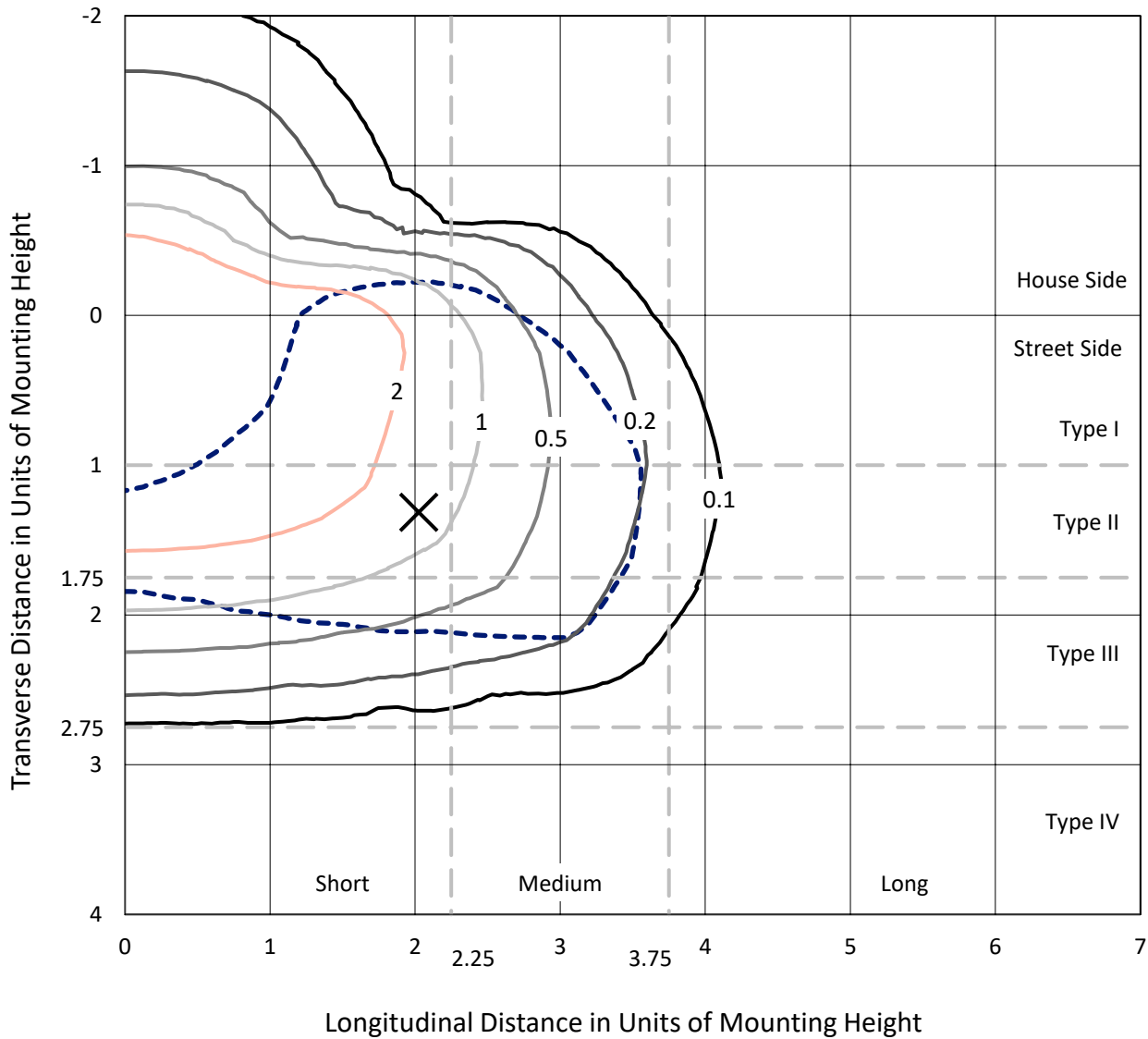
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

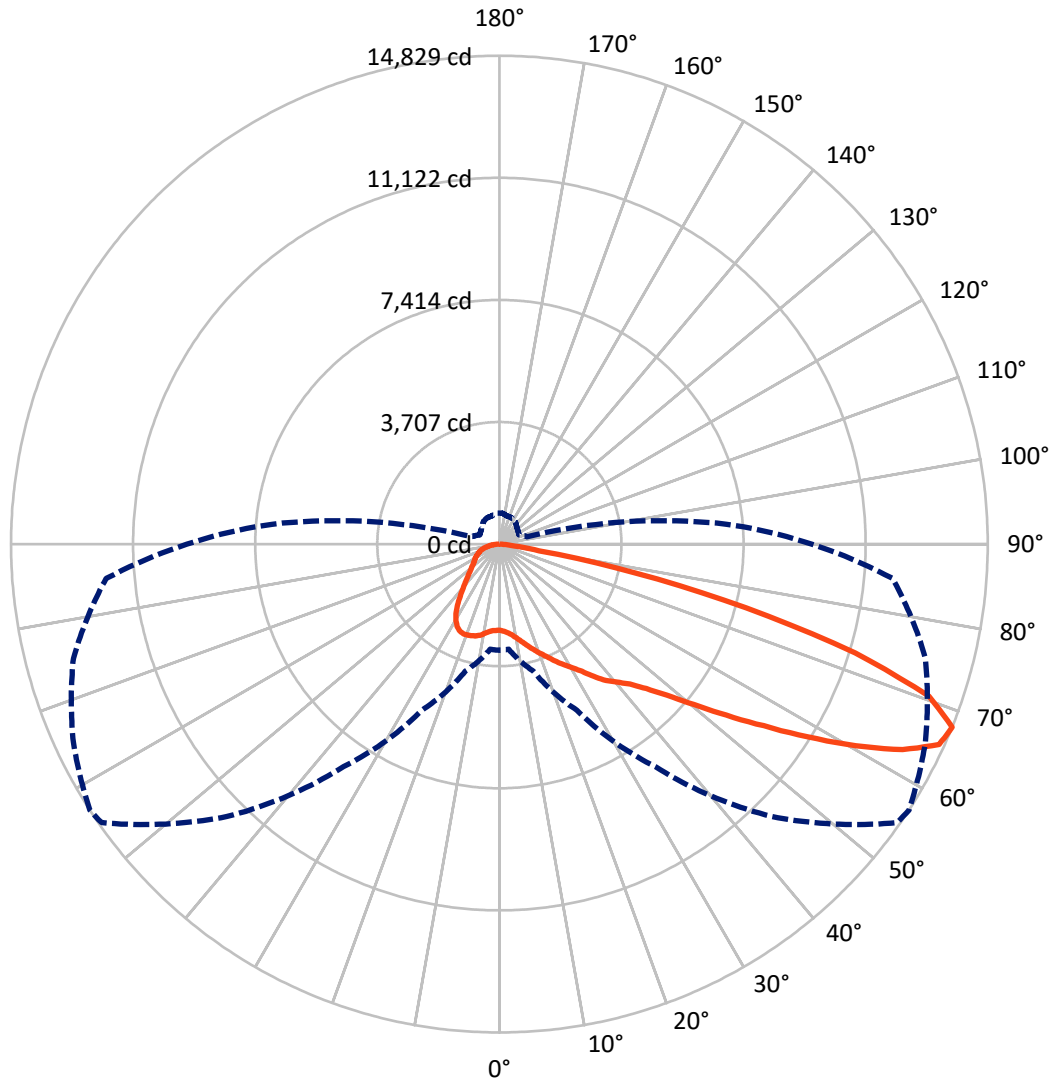
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4772.1	0.0	4772.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	16932.8	0.0	16932.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	21704.9	0.0	21704.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.4	1.2
10°-20°	858.7	4.0
20°-30°	1530.9	7.1
30°-40°	2225.7	10.3
40°-50°	3221.3	14.8
50°-60°	5041.3	23.2
60°-70°	5881.0	27.1
70°-80°	2455.0	11.3
80°-90°	231.7	1.1
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°	21704.9	100.0
0°-180°	21704.9	100.0

Coefficient of Utilization



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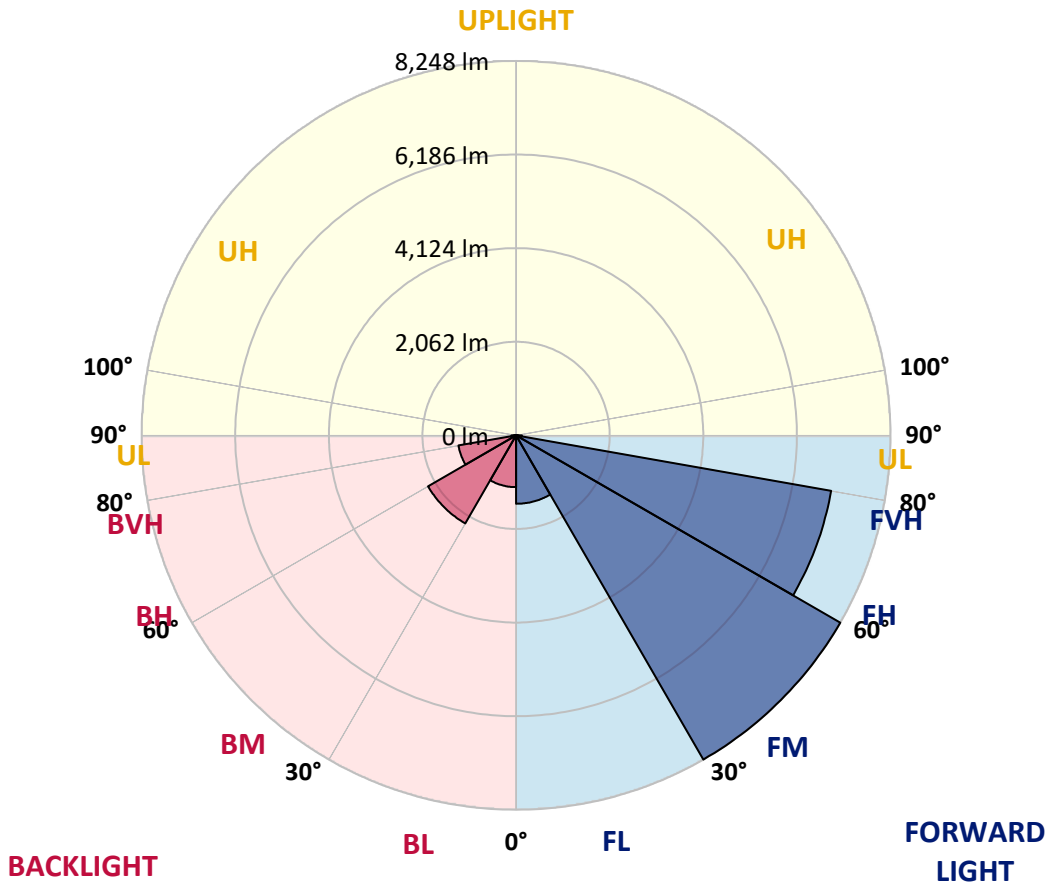
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1507.6	6.9			
FM (30°-60°)	8248.2	38.0			
FH (60°-80°)	7048.0	32.5			G3/7500
FVH (80°-90°)	129.1	0.6			G2/225
BL (0°-30°)	1141.3	5.3	B3/2500		
BM (30°-60°)	2240.1	10.3	B2/2500		
BH (60°-80°)	1288.0	5.9	B3/2500		G3/2500
BVH (80°-90°)	102.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2615.3	2615.3	2615.3	2615.3	2615.3	2615.3	2615.3	2615.3	2615.3	2615.3	2615.3
2.5°	2652.6	2649.5	2647.9	2657.3	2654.2	2652.6	2652.6	2651.1	2647.9	2635.5	2618.4
5°	2725.7	2719.5	2713.2	2721.0	2714.8	2708.6	2707.0	2703.9	2693.0	2674.4	2647.9
7.5°	2801.9	2795.7	2797.2	2801.9	2797.2	2794.1	2789.4	2786.3	2769.2	2739.7	2703.9
10°	2909.2	2909.2	2912.3	2916.9	2918.5	2913.8	2904.5	2899.8	2879.6	2842.3	2792.5
12.5°	3064.7	3061.5	3061.5	3058.4	3063.1	3058.4	3049.1	3041.3	3016.4	2968.2	2896.7
15°	3269.9	3257.5	3246.6	3226.4	3220.1	3203.0	3206.1	3201.5	3178.2	3112.9	3022.7
17.5°	3489.1	3487.6	3470.5	3430.0	3389.6	3361.6	3367.9	3366.3	3353.9	3265.2	3150.2
20°	3681.9	3689.7	3674.2	3643.1	3588.6	3535.8	3532.7	3540.4	3524.9	3436.3	3276.1
22.5°	3898.1	3891.8	3876.3	3835.9	3795.4	3739.5	3720.8	3714.6	3708.4	3607.3	3405.2
25°	4103.3	4122.0	4101.7	4064.4	4002.2	3941.6	3926.0	3932.3	3915.2	3781.4	3543.6
27.5°	4363.0	4370.7	4358.3	4307.0	4254.1	4168.6	4139.1	4139.1	4132.8	3944.7	3652.4
30°	4639.7	4661.5	4639.7	4597.8	4543.3	4420.5	4356.7	4350.5	4331.9	4112.6	3779.9
32.5°	4918.1	4933.6	4918.1	4877.6	4815.4	4708.1	4616.4	4602.4	4577.5	4296.1	3910.5
35°	5165.3	5179.3	5176.2	5185.5	5134.2	4998.9	4942.9	4936.7	4871.4	4535.6	4087.8
37.5°	5435.8	5452.9	5429.6	5448.3	5428.1	5300.6	5283.5	5252.4	5159.1	4761.0	4274.3
40°	5743.7	5759.2	5721.9	5729.7	5706.4	5634.9	5547.8	5505.8	5367.4	5005.1	4568.2
42.5°	6073.3	6109.1	6126.2	6112.2	6057.8	6017.3	5865.0	5812.1	5697.0	5445.2	5051.8
45°	6550.7	6603.5	6628.4	6592.7	6569.3	6511.8	6325.2	6261.5	6200.8	6065.6	5726.6
47.5°	7065.3	7113.5	7192.8	7208.4	7227.0	7183.5	6920.7	6858.5	6869.4	6853.9	6556.9
50°	7475.8	7516.2	7695.1	7886.3	8044.9	8057.3	7721.5	7654.6	7713.7	7763.5	7556.7
52.5°	7774.4	7810.1	8046.5	8441.4	8800.6	9066.5	8704.2	8628.0	8676.2	8788.1	8693.3
55°	8016.9	8066.7	8313.9	8920.3	9646.4	10066.2	9834.6	9738.2	9717.9	9856.3	9910.7
57.5°	8144.4	8160.0	8506.7	9295.0	10266.8	11047.4	11148.4	11039.6	10846.8	10923.0	11206.0
60°	7853.7	7880.1	8354.3	9391.4	10756.6	12020.7	12527.6	12437.4	12026.9	12068.9	12381.4
62.5°	7049.8	7087.1	7657.7	8932.7	10797.0	12670.6	13801.0	13743.5	13193.1	12966.1	13059.4
65°	5655.1	5667.5	6258.4	7797.7	9993.2	12751.5	14688.9	14674.9	14007.8	13476.1	13076.5
67.5°	3224.8	3203.0	3992.9	5561.8	8247.0	11700.4	14746.4	14828.8	14272.2	13392.1	11988.1
70°	1397.8	1400.9	1764.8	2744.3	5337.9	9456.7	13696.9	13838.4	13507.2	11994.3	9537.6
72.5°	646.8	656.2	813.2	1187.9	2279.4	5866.5	11168.6	11296.1	11011.6	9599.8	6939.4
75°	457.1	464.9	542.6	681.0	1048.0	2285.7	7471.2	7738.6	7877.0	7180.4	4572.9
77.5°	346.7	357.6	396.5	472.7	646.8	810.1	3574.6	4212.1	5017.6	4467.1	2355.6
80°	220.8	220.8	262.8	315.6	394.9	421.4	1032.4	1223.7	2455.1	1841.0	925.1
82.5°	149.3	153.9	178.8	200.6	227.0	239.5	443.1	472.7	709.0	626.6	380.9
85°	79.3	82.4	93.3	91.7	108.8	94.8	186.6	185.0	259.7	284.5	144.6
87.5°	0.0	0.0	1.6	1.6	3.1	4.7	20.2	21.8	54.4	87.1	48.2
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°	2615.3	2615.3	2615.3	2615.3	2615.3	2615.3	2615.3	2615.3	2615.3	2615.3	2615.3
2.5°	2627.7	2609.1	2618.4	2615.3	2624.6	2624.6	2607.5	2602.9	2604.4	2585.8	2579.5
5°	2651.1	2629.3	2634.0	2627.7	2637.1	2644.8	2637.1	2637.1	2646.4	2632.4	2624.6
7.5°	2703.9	2679.0	2679.0	2671.3	2682.2	2688.4	2682.2	2691.5	2708.6	2694.6	2686.8
10°	2787.9	2758.3	2759.9	2750.6	2755.2	2752.1	2727.2	2719.5	2724.1	2711.7	2705.5
12.5°	2896.7	2856.3	2856.3	2837.6	2826.8	2794.1	2742.8	2724.1	2727.2	2716.4	2711.7
15°	3000.9	2963.6	2955.8	2918.5	2868.7	2808.1	2761.5	2749.0	2752.1	2741.2	2733.5
17.5°	3123.7	3075.5	3047.5	2979.1	2887.4	2825.2	2778.6	2749.0	2724.1	2699.3	2693.0
20°	3237.2	3176.6	3125.3	3019.6	2907.6	2822.1	2735.0	2661.9	2601.3	2568.6	2560.9
22.5°	3353.9	3276.1	3185.9	3047.5	2906.1	2766.1	2606.0	2495.6	2405.4	2357.2	2366.5
25°	3464.3	3366.3	3243.5	3074.0	2856.3	2641.7	2424.0	2259.2	2156.6	2119.3	2108.4
27.5°	3556.0	3434.7	3296.3	3061.5	2753.7	2462.9	2175.3	1991.8	1892.3	1850.3	1839.4
30°	3658.6	3521.8	3372.5	3004.0	2592.0	2212.6	1893.8	1744.6	1673.0	1632.6	1634.2
32.5°	3776.8	3633.7	3479.8	2893.6	2385.2	1942.0	1662.2	1559.5	1502.0	1461.6	1455.4
35°	3935.4	3793.9	3551.3	2727.2	2122.4	1693.3	1503.6	1419.6	1348.1	1295.2	1284.3
37.5°	4131.3	4034.9	3559.1	2504.9	1841.0	1522.2	1390.1	1299.9	1212.8	1142.8	1135.1
40°	4467.1	4356.7	3495.3	2226.6	1601.5	1411.8	1295.2	1191.0	1090.0	1012.2	1001.3
42.5°	4946.0	4719.0	3358.5	1912.5	1421.2	1324.7	1205.0	1072.9	970.2	915.8	908.0
45°	5555.6	5123.3	3153.3	1617.1	1287.4	1239.2	1110.2	971.8	917.4	878.5	870.7
47.5°	6301.9	5594.4	2916.9	1386.9	1183.3	1161.5	1013.8	937.6	889.4	856.7	849.0
50°	7194.4	6194.6	2722.6	1206.6	1090.0	1071.3	982.7	917.4	878.5	852.1	845.8
52.5°	8212.8	6861.6	2627.7	1077.5	1009.1	990.5	971.8	912.7	880.1	859.8	852.1
55°	9270.1	7564.4	2539.1	978.0	940.7	951.6	973.3	928.3	903.4	876.9	869.2
57.5°	10291.7	8223.7	2321.4	900.3	890.9	932.9	981.1	943.8	914.3	887.8	878.5
60°	10996.0	8584.4	1952.9	838.1	853.6	909.6	960.9	920.5	883.2	872.3	867.6
62.5°	11185.7	8540.9	1516.0	774.3	808.5	858.3	908.0	881.6	842.7	859.8	861.4
65°	10742.6	8074.4	1138.2	712.1	749.4	791.4	853.6	842.7	828.7	875.4	876.9
67.5°	9487.8	6928.5	867.6	657.7	688.8	740.1	836.5	881.6	884.7	943.8	937.6
70°	7178.8	5176.2	679.5	606.4	642.2	740.1	890.9	911.2	873.8	928.3	915.8
72.5°	4963.1	3416.1	578.4	561.3	584.6	705.9	889.4	889.4	849.0	849.0	825.6
75°	3083.3	2008.9	503.8	503.8	503.8	617.3	864.5	819.4	747.9	715.2	696.6
77.5°	1522.2	976.5	422.9	438.5	421.4	516.2	705.9	670.1	626.6	592.4	580.0
80°	649.9	488.2	342.1	359.2	339.0	388.7	559.8	552.0	510.0	464.9	450.9
82.5°	298.5	251.9	273.7	281.4	247.2	292.3	408.9	408.9	385.6	323.4	300.1
85°	127.5	133.7	189.7	189.7	155.5	164.8	219.2	208.4	186.6	152.4	139.9
87.5°	43.5	65.3	96.4	84.0	32.7	14.0	7.8	3.1	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)