

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: P635804

Luminaire Tested: GWS-SA3E-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635804
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-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22006.5 lumens
Efficiency: N/A
Efficacy: 138.2 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

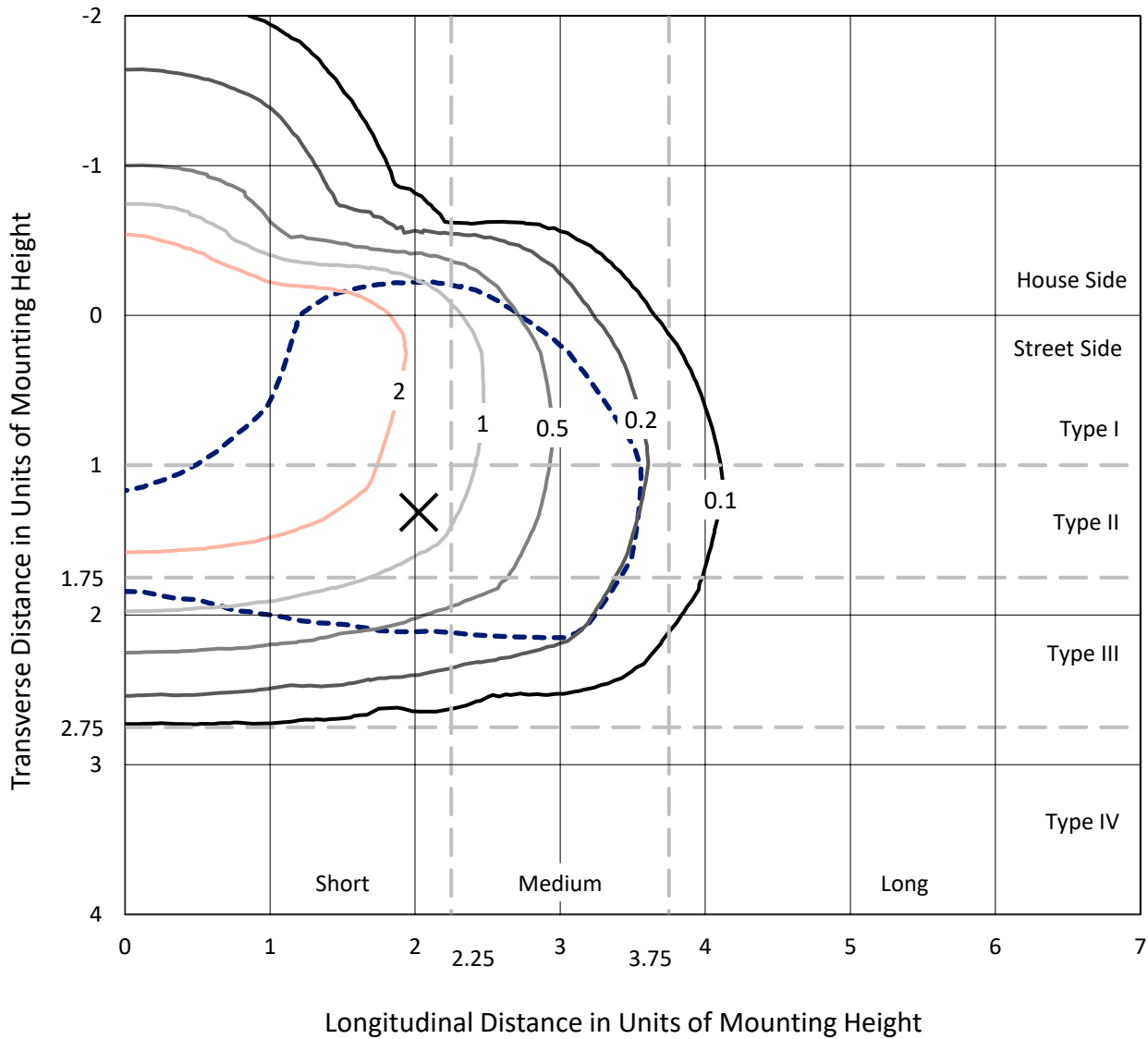


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Iso-Footcandle Lines of Horizontal Illumination

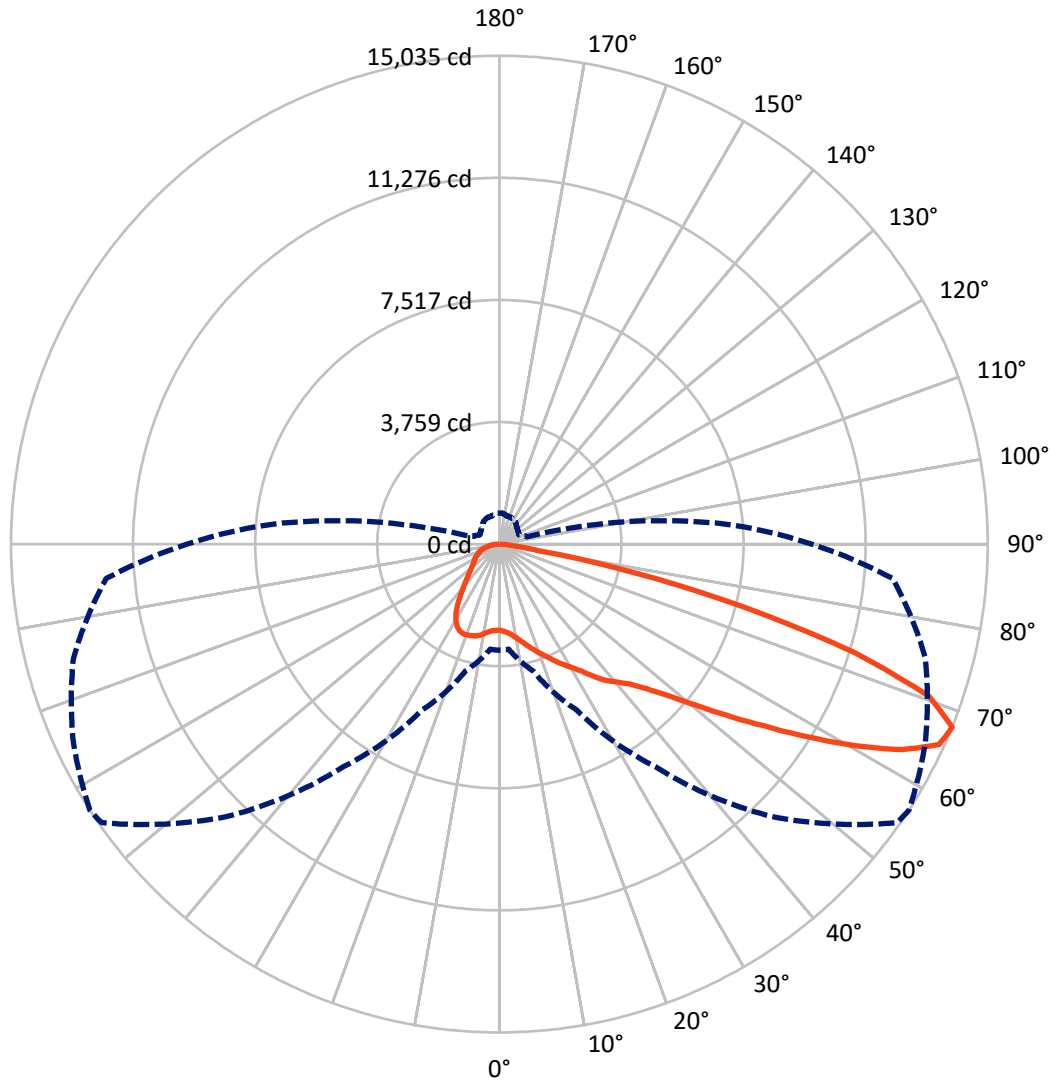
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	4838.4	0.0	4838.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	17168.1	0.0	17168.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	22006.5	0.0	22006.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.0	1.2
10°-20°	870.6	4.0
20°-30°	1552.2	7.1
30°-40°	2256.6	10.3
40°-50°	3266.1	14.8
50°-60°	5111.3	23.2
60°-70°	5962.7	27.1
70°-80°	2489.1	11.3
80°-90°	234.9	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°	22006.5	100.0
0°-180°	22006.5	100.0

Coefficient of Utilization



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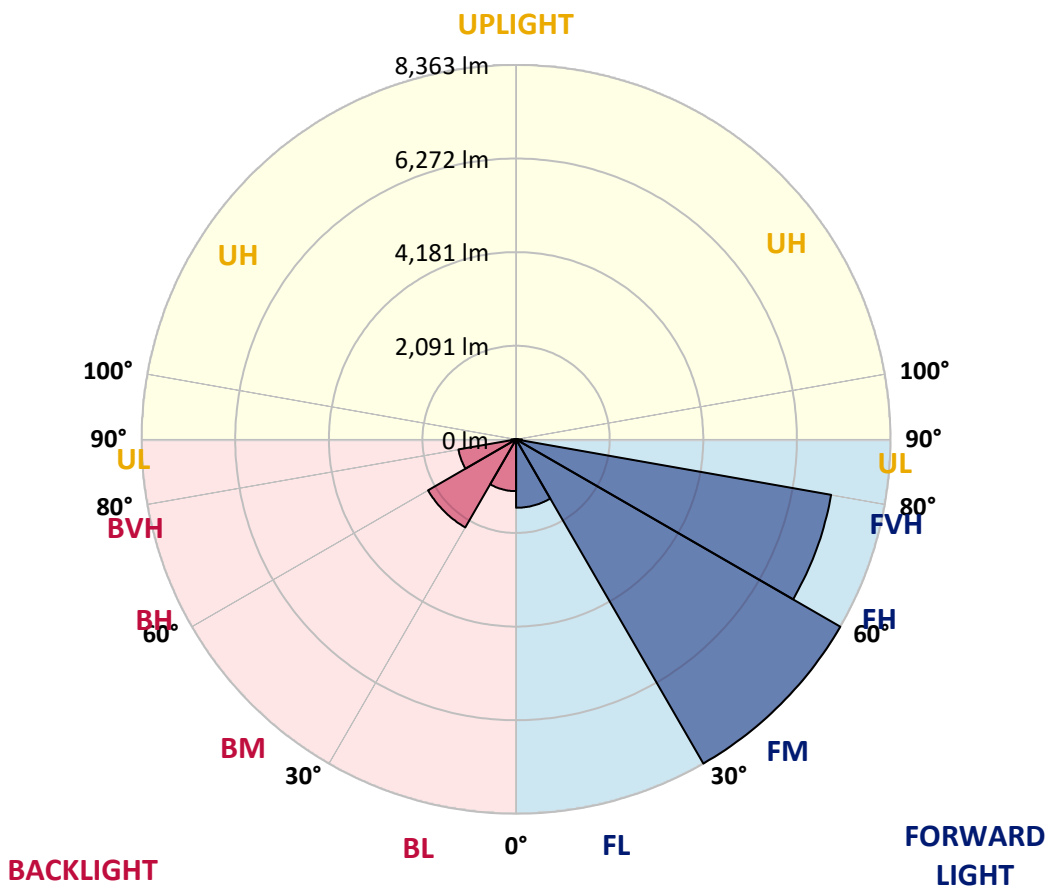
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1528.6	6.9			
FM (30°-60°)	8362.8	38.0			
FH (60°-80°)	7145.9	32.5			G3/7500
FVH (80°-90°)	130.9	0.6			G2/225
BL (0°-30°)	1157.2	5.3	B3/2500		
BM (30°-60°)	2271.3	10.3	B2/2500		
BH (60°-80°)	1305.9	5.9	B3/2500		G3/2500
BVH (80°-90°)	104.0	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°	2651.6	2651.6	2651.6	2651.6	2651.6	2651.6	2651.6	2651.6	2651.6	2651.6	2651.6
2.5°	2689.5	2686.3	2684.7	2694.2	2691.0	2689.5	2689.5	2687.9	2684.7	2672.1	2654.8
5°	2763.6	2757.3	2751.0	2758.8	2752.5	2746.2	2744.6	2741.5	2730.5	2711.5	2684.7
7.5°	2840.8	2834.5	2836.1	2840.8	2836.1	2832.9	2828.2	2825.0	2807.7	2777.8	2741.5
10°	2949.6	2949.6	2952.7	2957.5	2959.0	2954.3	2944.9	2940.1	2919.6	2881.8	2831.4
12.5°	3107.2	3104.1	3104.1	3100.9	3105.7	3100.9	3091.5	3083.6	3058.4	3009.5	2937.0
15°	3315.3	3302.7	3291.7	3271.2	3264.9	3247.5	3250.7	3246.0	3222.3	3156.1	3064.7
17.5°	3537.6	3536.0	3518.7	3477.7	3436.7	3408.3	3414.6	3413.1	3400.5	3310.6	3193.9
20°	3733.1	3741.0	3725.2	3693.7	3638.5	3584.9	3581.8	3589.6	3573.9	3484.0	3321.6
22.5°	3952.2	3945.9	3930.2	3889.2	3848.2	3791.4	3772.5	3766.2	3759.9	3657.4	3452.5
25°	4160.3	4179.2	4158.7	4120.9	4057.9	3996.4	3980.6	3986.9	3969.6	3834.0	3592.8
27.5°	4423.6	4431.5	4418.9	4366.8	4313.2	4226.5	4196.6	4196.6	4190.3	3999.5	3703.1
30°	4704.2	4726.3	4704.2	4661.6	4606.5	4481.9	4417.3	4411.0	4392.1	4169.8	3832.4
32.5°	4986.4	5002.2	4986.4	4945.4	4882.3	4773.6	4680.6	4666.4	4641.1	4355.8	3964.8
35°	5237.1	5251.2	5248.1	5257.5	5205.5	5068.4	5011.6	5005.3	4939.1	4598.6	4144.6
37.5°	5511.4	5528.7	5505.1	5524.0	5503.5	5374.2	5356.9	5325.3	5230.7	4827.2	4333.7
40°	5823.5	5839.3	5801.4	5809.3	5785.7	5713.2	5624.9	5582.3	5442.0	5074.7	4631.7
42.5°	6157.7	6194.0	6211.3	6197.1	6142.0	6101.0	5946.5	5892.9	5776.2	5520.8	5122.0
45°	6641.7	6695.3	6720.5	6684.3	6660.6	6602.3	6413.1	6348.5	6287.0	6149.8	5806.2
47.5°	7163.5	7212.4	7292.8	7308.5	7327.5	7283.3	7016.9	6953.8	6964.9	6949.1	6648.0
50°	7579.7	7620.7	7802.0	7995.9	8156.7	8169.3	7828.8	7761.0	7820.9	7871.3	7661.7
52.5°	7882.4	7918.6	8158.3	8558.7	8922.9	9192.4	8825.1	8747.9	8796.7	8910.2	8814.1
55°	8128.3	8178.8	8429.4	9044.2	9780.5	10206.1	9971.2	9873.5	9853.0	9993.3	10048.5
57.5°	8257.6	8273.3	8624.9	9424.2	10409.5	11200.9	11303.3	11193.0	10997.5	11074.7	11361.7
60°	7962.8	7989.6	8470.4	9521.9	10906.1	12187.7	12701.7	12610.2	12194.0	12236.6	12553.5
62.5°	7147.7	7185.6	7764.1	9056.9	10947.1	12846.7	13992.8	13934.5	13376.4	13146.2	13240.8
65°	5733.6	5746.3	6345.3	7906.0	10132.0	12928.7	14893.0	14878.8	14202.5	13663.3	13258.2
67.5°	3269.6	3247.5	4048.4	5639.1	8361.6	11863.0	14951.3	15034.9	14470.5	13578.2	12154.6
70°	1417.3	1420.4	1789.3	2782.5	5412.0	9588.1	13887.2	14030.6	13694.9	12160.9	9670.1
72.5°	655.8	665.3	824.5	1204.4	2311.1	5948.0	11323.8	11453.1	11164.6	9733.2	7035.8
75°	463.5	471.4	550.2	690.5	1062.5	2317.4	7575.0	7846.1	7986.4	7280.2	4636.4
77.5°	351.6	362.6	402.0	479.2	655.8	821.3	3624.3	4270.7	5087.3	4529.2	2388.4
80°	223.9	223.9	266.4	320.0	400.4	427.2	1046.8	1240.7	2489.3	1866.5	938.0
82.5°	151.3	156.1	181.3	203.4	230.2	242.8	449.3	479.2	718.9	635.3	386.2
85°	80.4	83.6	94.6	93.0	110.4	96.2	189.2	187.6	263.3	288.5	146.6
87.5°	0.0	0.0	1.6	1.6	3.2	4.7	20.5	22.1	55.2	88.3	48.9
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°	2651.6	2651.6	2651.6	2651.6	2651.6	2651.6	2651.6	2651.6	2651.6	2651.6	2651.6
2.5°	2664.2	2645.3	2654.8	2651.6	2661.1	2661.1	2643.8	2639.0	2640.6	2621.7	2615.4
5°	2687.9	2665.8	2670.6	2664.2	2673.7	2681.6	2673.7	2673.7	2683.2	2669.0	2661.1
7.5°	2741.5	2716.3	2716.3	2708.4	2719.4	2725.7	2719.4	2728.9	2746.2	2732.0	2724.2
10°	2826.6	2796.7	2798.2	2788.8	2793.5	2790.4	2765.1	2757.3	2762.0	2749.4	2743.1
12.5°	2937.0	2896.0	2896.0	2877.1	2866.0	2832.9	2780.9	2762.0	2765.1	2754.1	2749.4
15°	3042.6	3004.8	2996.9	2959.0	2908.6	2847.1	2799.8	2787.2	2790.4	2779.3	2771.4
17.5°	3167.1	3118.3	3089.9	3020.5	2927.5	2864.5	2817.2	2787.2	2762.0	2736.8	2730.5
20°	3282.2	3220.7	3168.7	3061.5	2948.0	2861.3	2773.0	2698.9	2637.4	2604.3	2596.5
22.5°	3400.5	3321.6	3230.2	3089.9	2946.4	2804.6	2642.2	2530.2	2438.8	2389.9	2399.4
25°	3512.4	3413.1	3288.5	3116.7	2896.0	2678.4	2457.7	2290.6	2186.6	2148.7	2137.7
27.5°	3605.4	3482.4	3342.1	3104.1	2791.9	2497.1	2205.5	2019.5	1918.6	1876.0	1865.0
30°	3709.4	3570.7	3419.4	3045.8	2628.0	2243.3	1920.1	1768.8	1696.3	1655.3	1656.9
32.5°	3829.3	3684.2	3528.2	2933.8	2418.3	1969.0	1685.3	1581.2	1522.9	1481.9	1475.6
35°	3990.1	3846.6	3600.7	2765.1	2151.9	1716.8	1524.5	1439.3	1366.8	1313.2	1302.2
37.5°	4188.7	4091.0	3608.6	2539.7	1866.5	1543.4	1409.4	1317.9	1229.7	1158.7	1150.8
40°	4529.2	4417.3	3543.9	2257.5	1623.8	1431.4	1313.2	1207.6	1105.1	1026.3	1015.3
42.5°	5014.8	4784.6	3405.2	1939.1	1440.9	1343.2	1221.8	1087.8	983.7	928.5	920.7
45°	5632.8	5194.5	3197.1	1639.5	1305.3	1256.5	1125.6	985.3	930.1	890.7	882.8
47.5°	6389.5	5672.2	2957.5	1406.2	1199.7	1177.6	1027.9	950.6	901.7	868.6	860.8
50°	7294.4	6280.7	2760.4	1223.3	1105.1	1086.2	996.3	930.1	890.7	863.9	857.6
52.5°	8326.9	6957.0	2664.2	1092.5	1023.1	1004.2	985.3	925.4	892.3	871.8	863.9
55°	9399.0	7669.6	2574.4	991.6	953.8	964.8	986.9	941.2	915.9	889.1	881.3
57.5°	10434.7	8338.0	2353.7	912.8	903.3	945.9	994.8	956.9	927.0	900.2	890.7
60°	11148.8	8703.7	1980.1	849.7	865.5	922.2	974.3	933.3	895.4	884.4	879.7
62.5°	11341.2	8659.6	1537.1	785.1	819.8	870.2	920.7	893.9	854.5	871.8	873.4
65°	10891.9	8186.6	1154.0	722.0	759.9	802.4	865.5	854.5	840.3	887.6	889.1
67.5°	9619.7	7024.8	879.7	666.8	698.4	750.4	848.1	893.9	897.0	956.9	950.6
70°	7278.6	5248.1	688.9	614.8	651.1	750.4	903.3	923.8	886.0	941.2	928.5
72.5°	5032.1	3463.5	586.4	569.1	592.8	715.7	901.7	901.7	860.8	860.8	837.1
75°	3126.2	2036.8	510.8	510.8	510.8	625.9	876.5	830.8	758.3	725.2	706.3
77.5°	1543.4	990.0	428.8	444.6	427.2	523.4	715.7	679.5	635.3	600.6	588.0
80°	659.0	495.0	346.8	364.2	343.7	394.1	567.5	559.6	517.1	471.4	457.2
82.5°	302.7	255.4	277.5	285.3	250.7	296.4	414.6	414.6	391.0	327.9	304.3
85°	129.3	135.6	192.3	192.3	157.6	167.1	222.3	211.2	189.2	154.5	141.9
87.5°	44.1	66.2	97.7	85.1	33.1	14.2	7.9	3.2	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)