

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: P636351

Luminaire Tested: GWS-SA3F-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15444.6 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

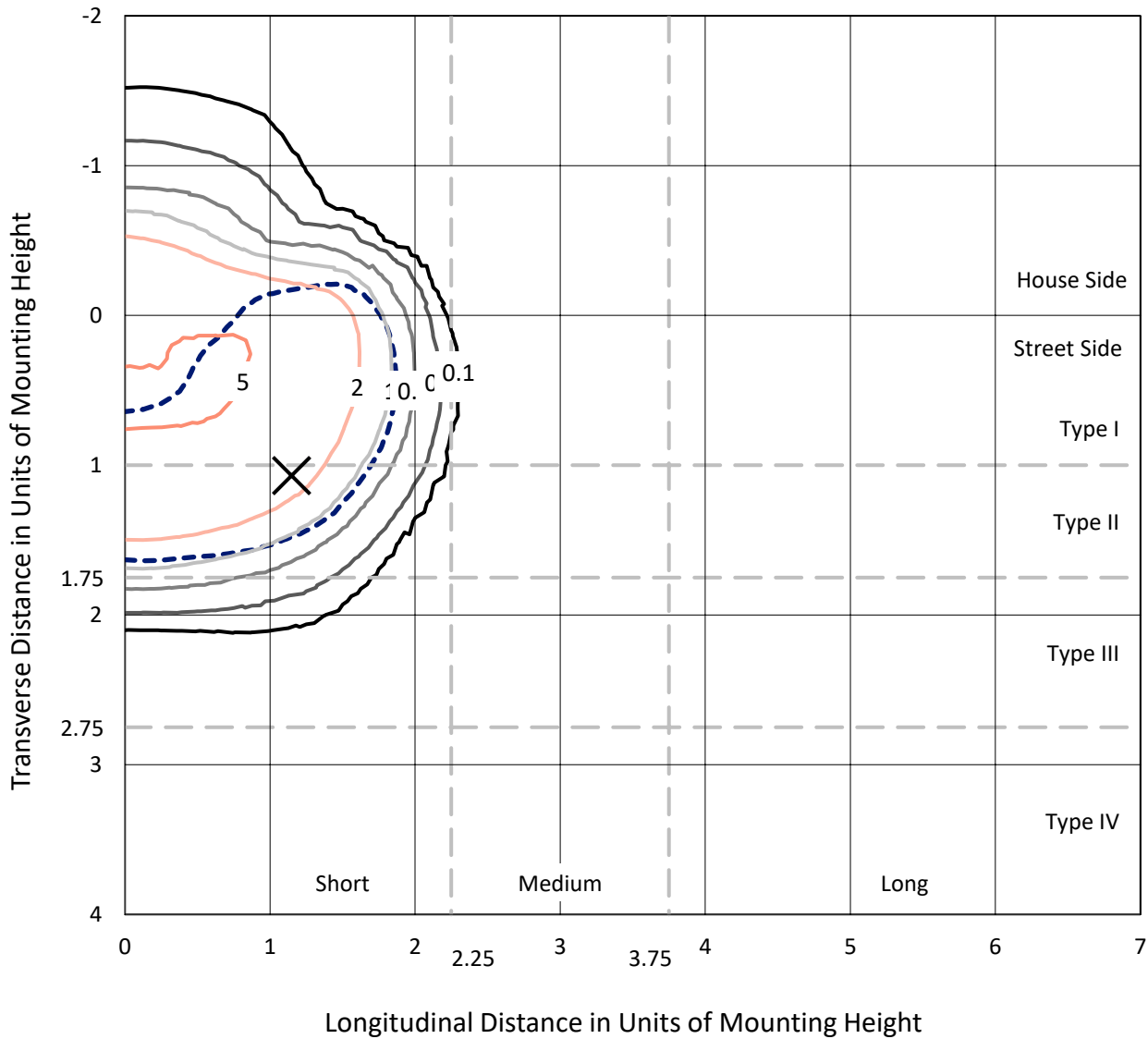
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

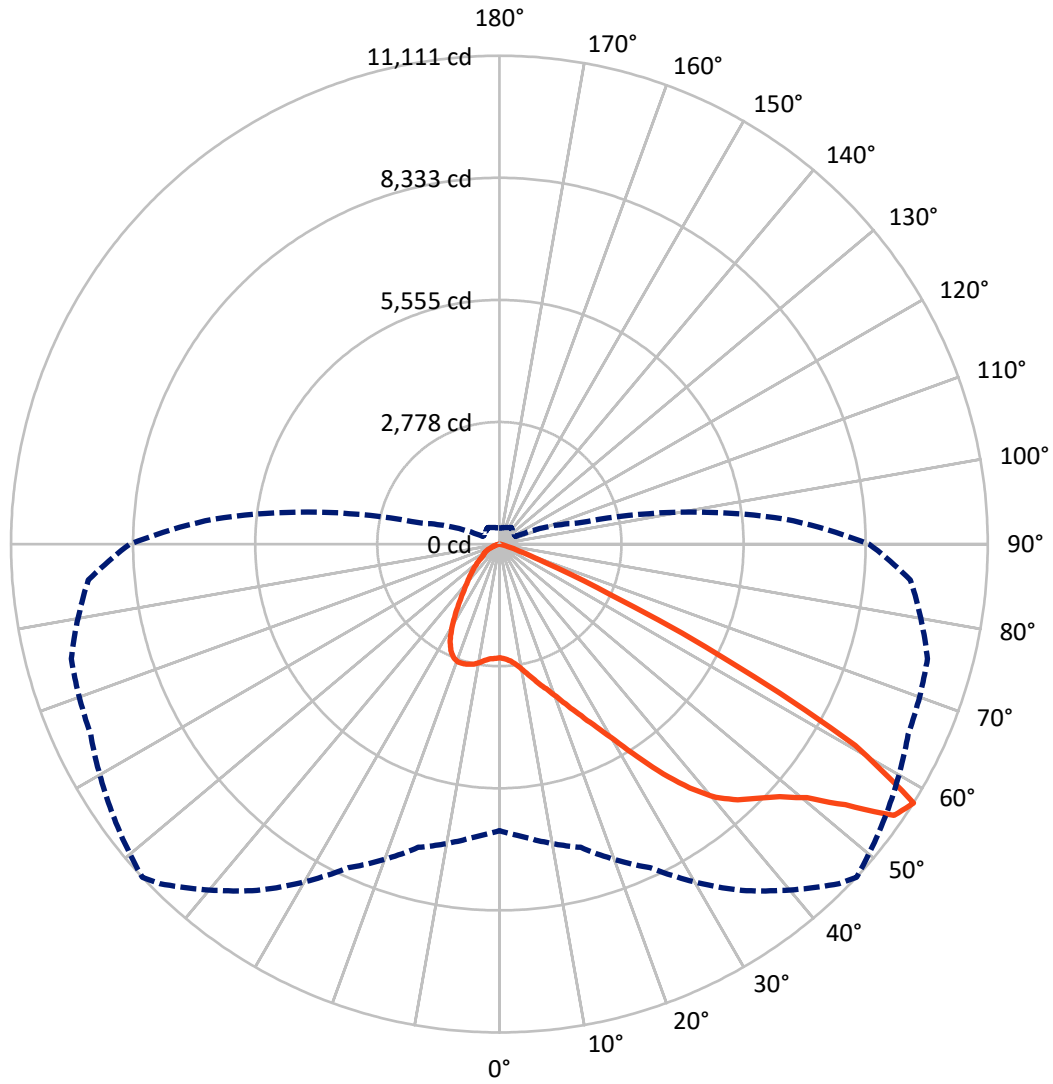
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3350.7	0.0	3350.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	12093.9	0.0	12093.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	15444.6	0.0	15444.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.2	1.7
10°-20°	867.9	5.6
20°-30°	1611.5	10.4
30°-40°	2579.8	16.7
40°-50°	3771.0	24.4
50°-60°	4654.1	30.1
60°-70°	1555.1	10.1
70°-80°	144.9	0.9
80°-90°	3.0	0.0
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°	15444.6	100.0
0°-180°	15444.6	100.0

Coefficient of Utilization



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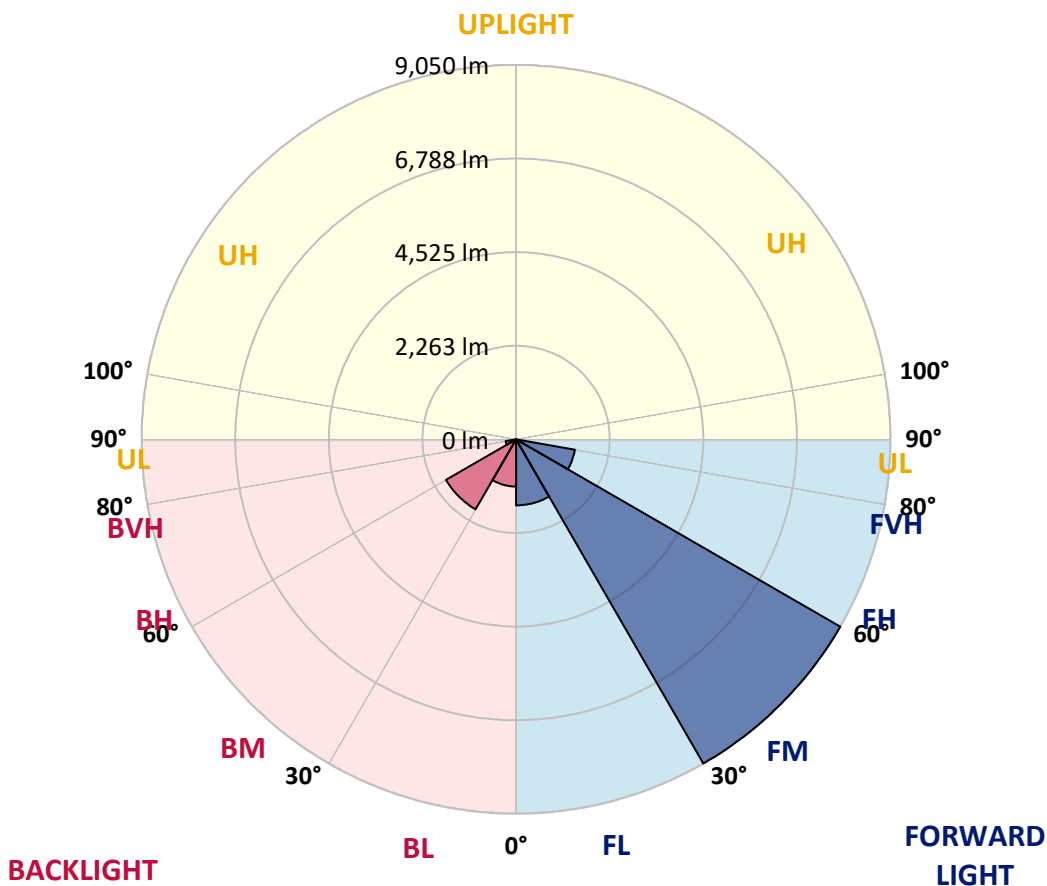
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1596.1	10.3			
FM (30°-60°)	9050.4	58.6			
FH (60°-80°)	1445.3	9.4			G1/1800
FVH (80°-90°)	2.1	0.0			G0/10
BL (0°-30°)	1140.5	7.4	B3/2500		
BM (30°-60°)	1954.5	12.7	B2/2500		
BH (60°-80°)	254.7	1.6	B1/500		G1/500
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2612.3	2610.5	2608.8	2619.5	2615.9	2614.1	2617.7	2617.7	2617.7	2607.0	2585.4
5°	2675.1	2675.1	2673.3	2684.1	2675.1	2669.7	2671.5	2671.5	2664.3	2644.6	2617.7
7.5°	2773.7	2770.1	2766.5	2777.3	2768.3	2766.5	2770.1	2759.4	2746.8	2714.5	2676.9
10°	2915.3	2915.3	2910.0	2920.7	2913.6	2910.0	2910.0	2902.8	2879.5	2829.3	2773.7
12.5°	3110.8	3101.8	3089.3	3080.3	3076.7	3074.9	3076.7	3066.0	3040.9	2976.3	2899.2
15°	3324.1	3317.0	3297.2	3282.9	3263.2	3259.6	3270.4	3261.4	3236.3	3148.4	3039.1
17.5°	3593.1	3602.0	3551.8	3521.4	3464.0	3460.4	3464.0	3478.3	3460.4	3347.4	3187.9
20°	3822.6	3829.8	3792.1	3770.6	3718.6	3695.3	3702.5	3725.8	3706.0	3573.4	3351.0
22.5°	4068.2	4077.2	4037.7	3992.9	3969.6	3969.6	3996.5	4028.8	4001.9	3828.0	3537.5
25°	4362.3	4369.4	4337.2	4278.0	4236.8	4288.8	4328.2	4414.3	4369.4	4132.8	3758.0
27.5°	4699.3	4701.1	4654.5	4593.6	4572.0	4668.9	4708.3	4841.0	4823.1	4475.2	3991.1
30°	5059.7	5061.5	5050.8	5009.5	4989.8	5117.1	5170.9	5362.7	5350.2	4900.1	4308.5
32.5°	5434.4	5434.4	5454.2	5450.6	5473.9	5681.9	5767.9	5986.7	5974.1	5420.1	4702.9
35°	5811.0	5812.8	5846.8	5932.9	6029.7	6305.8	6418.8	6684.1	6655.5	6042.3	5206.7
37.5°	6239.5	6221.6	6268.2	6397.3	6612.4	6931.6	7039.1	7292.0	7259.7	6678.8	5864.8
40°	6755.9	6723.6	6723.6	6874.2	7118.0	7485.6	7577.0	7702.5	7593.2	7193.3	6510.2
42.5°	7326.0	7295.5	7256.1	7388.8	7593.2	7880.0	7955.3	7921.3	7831.6	7679.2	7245.3
45°	7903.4	7856.7	7883.6	7964.3	8082.6	8218.9	8247.6	8089.8	8048.6	8091.6	7853.1
47.5°	8342.6	8310.4	8376.7	8489.6	8586.5	8606.2	8586.5	8367.7	8364.1	8516.5	8274.5
50°	8489.6	8493.2	8676.1	8923.5	9079.5	9095.7	9068.8	8817.8	8783.7	8828.5	8502.2
52.5°	8504.0	8518.3	8785.5	9257.0	9682.0	9875.6	9854.1	9583.4	9249.9	9201.5	8846.4
55°	8158.0	8242.2	8615.2	9303.6	10207.3	10825.9	10897.6	10379.4	9884.6	9843.3	9586.9
57.5°	6521.0	6693.1	7143.1	8123.9	9621.0	10924.5	11110.9	10738.0	10259.3	10083.6	9387.9
60°	3897.9	4111.2	4543.4	5746.4	7322.4	8979.1	9300.1	9352.1	9131.5	8624.1	7202.3
62.5°	1672.8	1654.9	2187.4	3109.0	4355.1	5707.0	5852.2	6078.1	6270.0	5739.3	4371.2
65°	573.7	623.9	867.8	1402.1	2180.2	2650.0	2779.1	2981.7	3254.2	2685.8	1601.1
67.5°	355.0	376.5	500.2	828.3	1176.2	1158.2	1100.9	1068.6	1039.9	711.8	439.3
70°	258.2	276.1	351.4	570.2	790.7	555.8	482.3	390.9	433.9	399.8	312.0
72.5°	173.9	188.3	242.0	346.0	405.2	270.7	251.0	285.1	344.2	328.1	254.6
75°	104.0	113.0	138.1	168.5	165.0	139.9	141.6	200.8	263.6	245.6	181.1
77.5°	71.7	75.3	91.4	109.4	80.7	43.0	39.4	55.6	89.6	89.6	61.0
80°	17.9	23.3	23.3	14.3	12.6	10.8	10.8	16.1	25.1	17.9	9.0
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	3.6	3.6
85°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	3.6
87.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6
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°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2598.0	2576.5	2590.8	2587.2	2598.0	2601.6	2585.4	2581.9	2583.6	2562.1	2555.0
5°	2623.1	2598.0	2605.2	2598.0	2610.5	2621.3	2615.9	2623.1	2632.1	2615.9	2608.8
7.5°	2676.9	2651.8	2650.0	2639.2	2657.2	2664.3	2662.5	2682.3	2700.2	2689.4	2678.7
10°	2770.1	2736.1	2732.5	2723.5	2728.9	2734.3	2714.5	2718.1	2734.3	2721.7	2716.3
12.5°	2884.9	2843.6	2834.7	2813.1	2813.1	2786.3	2743.2	2734.3	2746.8	2737.8	2728.9
15°	3008.6	2953.0	2938.7	2901.0	2865.1	2814.9	2770.1	2759.4	2768.3	2757.6	2750.4
17.5°	3146.6	3083.9	3037.3	2970.9	2892.0	2832.9	2782.7	2759.4	2745.0	2723.5	2721.7
20°	3282.9	3200.4	3121.5	3015.8	2911.8	2822.1	2739.6	2678.7	2626.7	2594.4	2581.9
22.5°	3440.7	3318.8	3191.5	3042.6	2893.8	2757.6	2612.3	2508.3	2418.7	2388.2	2373.9
25°	3609.2	3451.4	3261.4	3067.7	2832.9	2614.1	2416.9	2262.7	2144.4	2104.9	2088.8
27.5°	3795.7	3578.7	3333.1	3062.4	2707.4	2409.7	2148.0	1956.1	1839.6	1803.7	1816.3
30°	4032.4	3743.7	3422.8	3006.8	2519.1	2122.9	1816.3	1654.9	1567.0	1533.0	1534.8
32.5°	4347.9	3980.4	3553.6	2888.5	2277.1	1796.5	1527.6	1409.3	1350.1	1305.3	1301.7
35°	4799.7	4340.7	3675.6	2698.4	1983.0	1506.1	1310.7	1217.4	1134.9	1082.9	1091.9
37.5°	5341.2	4794.4	3741.9	2442.0	1653.1	1280.2	1147.5	1052.5	959.2	882.1	891.1
40°	5983.1	5387.8	3736.5	2104.9	1351.9	1126.0	1011.2	900.1	783.5	713.6	720.8
42.5°	6698.5	5949.0	3620.0	1748.1	1120.6	1000.5	880.3	740.5	627.5	584.5	586.3
45°	7318.8	6404.4	3415.6	1378.8	943.1	878.5	744.1	600.6	550.4	520.0	518.2
47.5°	7777.8	6737.9	3123.3	1084.7	799.7	767.4	611.4	537.9	498.4	473.3	469.8
50°	8034.2	6854.5	2800.6	849.9	675.9	650.8	546.9	487.7	460.8	444.7	441.1
52.5°	8378.5	6994.3	2569.3	670.6	566.6	532.5	503.8	453.6	435.7	423.1	417.8
55°	8923.5	7265.1	2368.5	532.5	471.5	464.4	475.1	433.9	423.1	403.4	396.2
57.5°	8410.8	6526.4	1839.6	412.4	398.0	424.9	459.0	414.2	387.3	369.3	362.2
60°	5918.5	4339.0	925.2	331.7	355.0	398.0	432.1	374.7	347.8	351.4	347.8
62.5°	3263.2	2171.3	416.0	277.9	308.4	351.4	369.3	324.5	306.6	337.1	342.5
65°	1066.8	738.7	240.3	215.2	243.8	286.9	319.1	308.4	304.8	340.7	351.4
67.5°	328.1	243.8	163.2	154.2	168.5	211.6	268.9	333.5	358.6	369.3	374.7
70°	245.6	191.8	139.9	130.9	138.1	161.4	227.7	277.9	261.8	263.6	260.0
72.5°	197.2	152.4	120.1	114.7	114.7	111.2	120.1	150.6	170.3	179.3	179.3
75°	138.1	107.6	91.4	84.3	66.3	53.8	48.4	48.4	43.0	41.2	39.4
77.5°	46.6	39.4	35.9	28.7	19.7	16.1	14.3	12.6	9.0	5.4	3.6
80°	7.2	5.4	3.6	3.6	3.6	1.8	1.8	1.8	0.0	0.0	0.0
82.5°	3.6	3.6	3.6	3.6	3.6	1.8	1.8	0.0	0.0	0.0	0.0
85°	3.6	3.6	3.6	3.6	3.6	1.8	1.8	0.0	0.0	0.0	0.0
87.5°	3.6	3.6	3.6	3.6	1.8	1.8	1.8	0.0	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)