

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: P634901

Luminaire Tested: GWS-SA3C-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13789.6 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

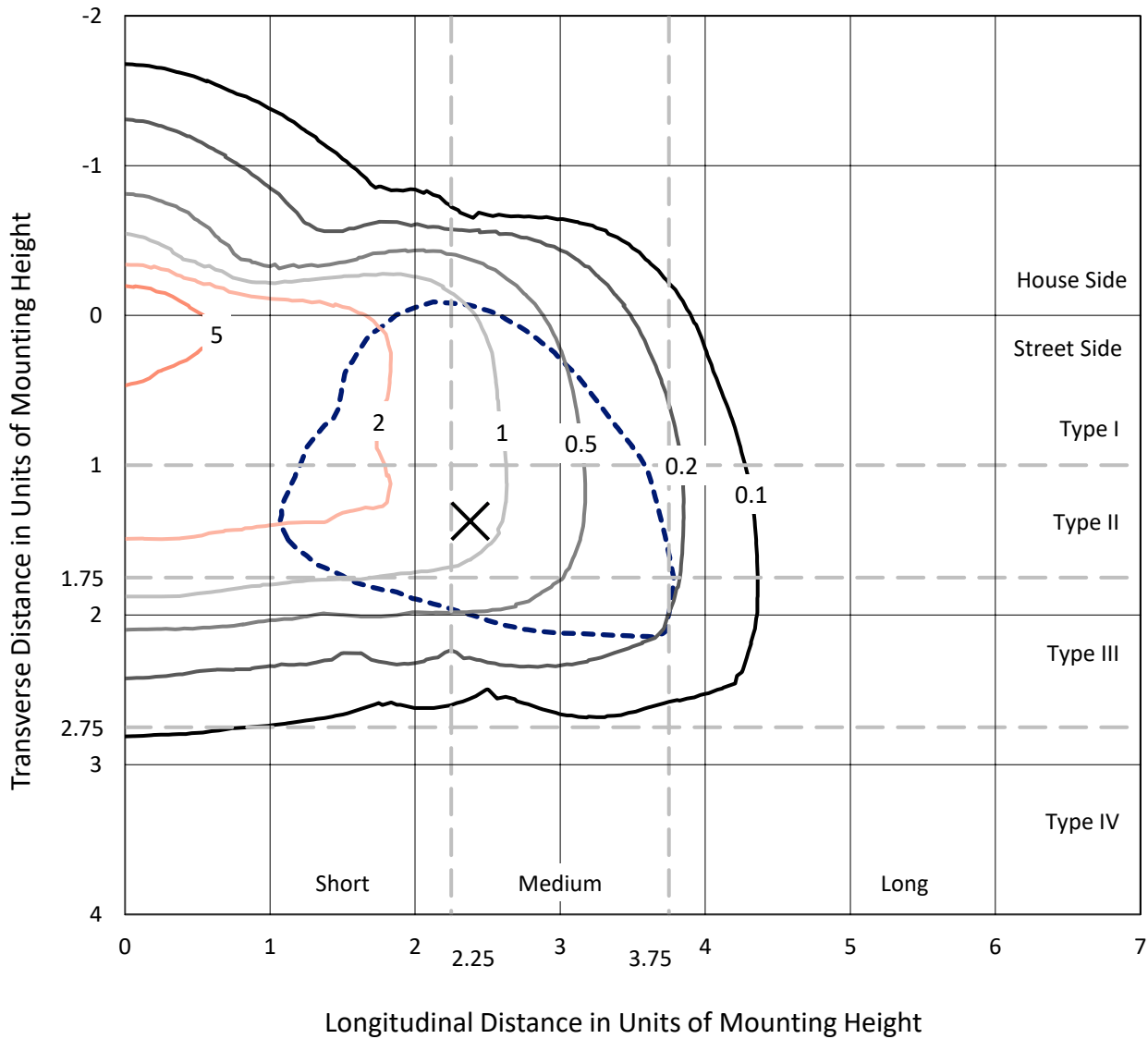
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

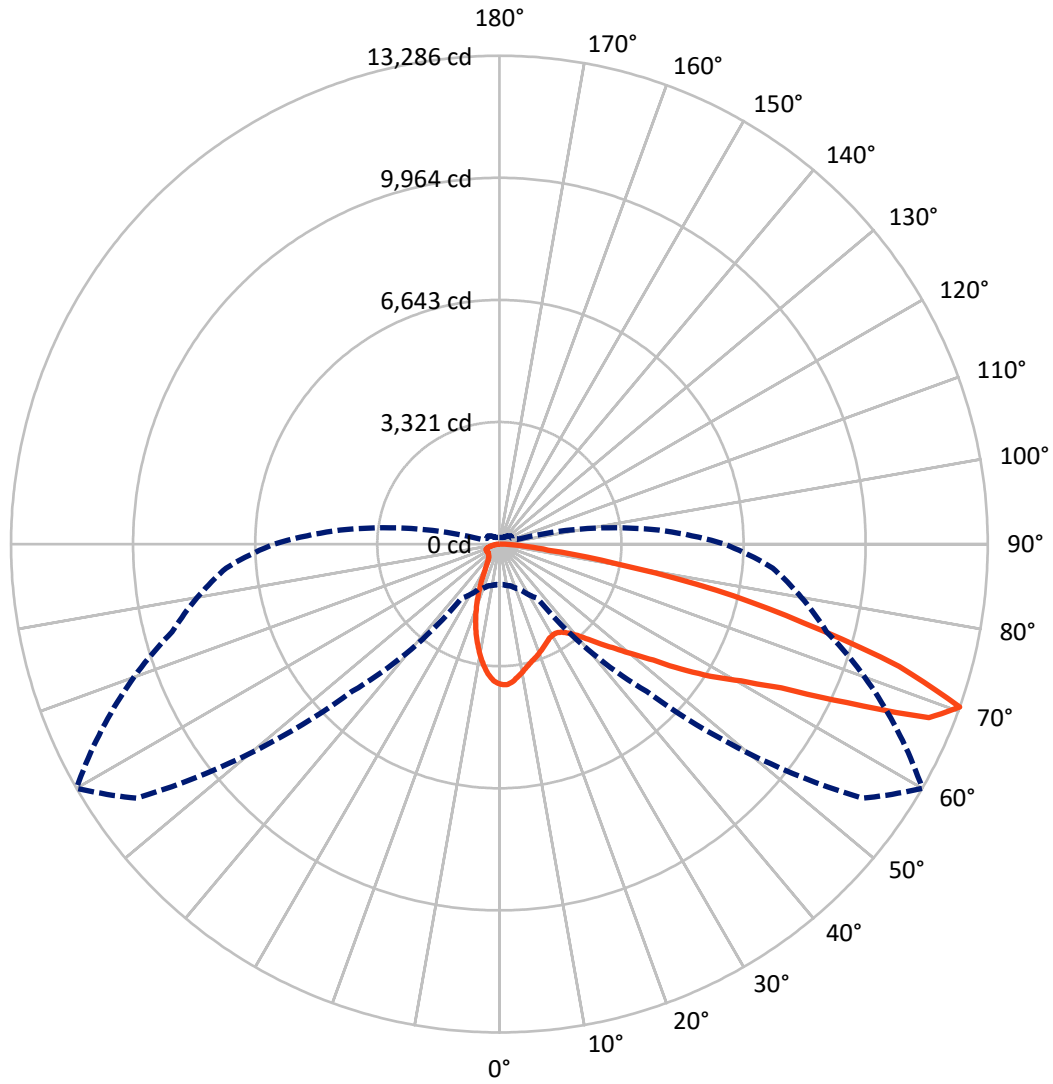
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2358.3	0.0	2358.3
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	11431.2	0.0	11431.2
	% Fixture	82.9	0.0	82.9
Total	Lumens	13789.6	0.0	13789.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.9	2.4
10°-20°	736.8	5.3
20°-30°	943.7	6.8
30°-40°	1240.2	9.0
40°-50°	1799.3	13.0
50°-60°	2807.4	20.4
60°-70°	3675.4	26.7
70°-80°	2032.4	14.7
80°-90°	225.5	1.6
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°	13789.6	100.0
0°-180°	13789.6	100.0

Coefficient of Utilization



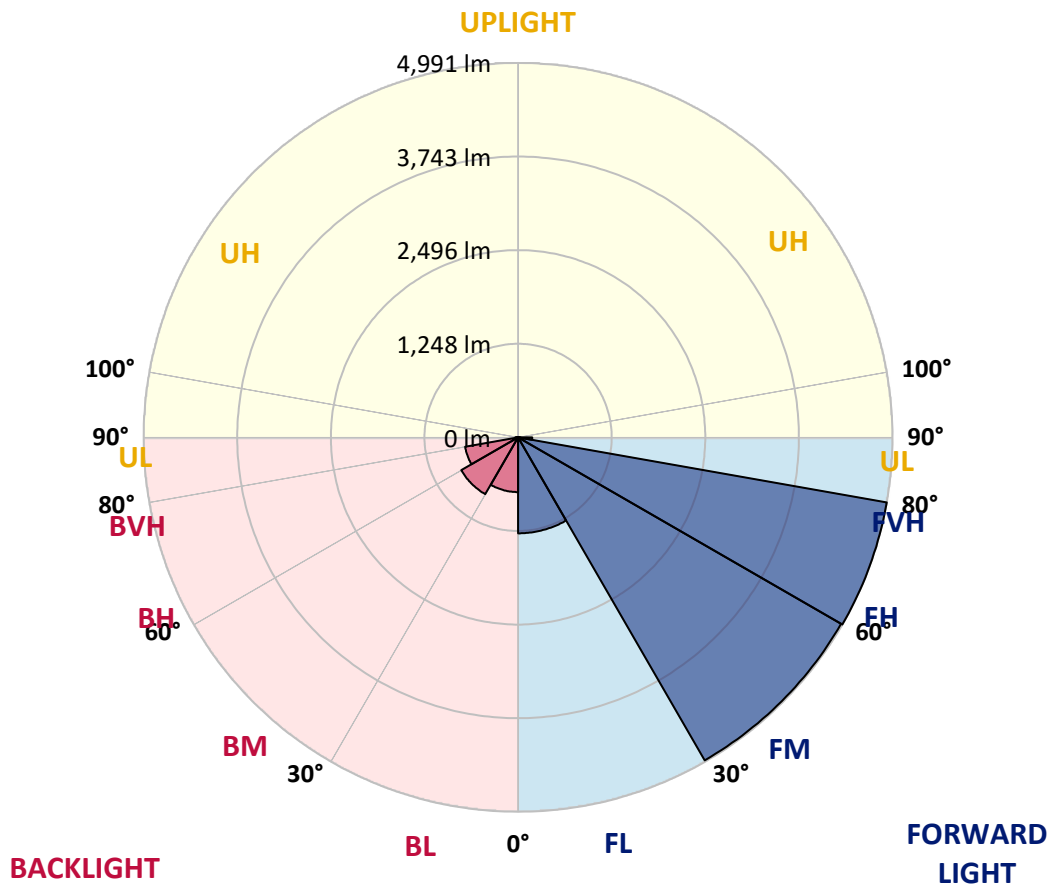
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1279.8	9.3			
FM (30°-60°)	4972.5	36.1			
FH (60°-80°)	4991.1	36.2			G2/5000
FVH (80°-90°)	187.9	1.4			G2/225
BL (0°-30°)	729.6	5.3	B2/1000		
BM (30°-60°)	874.4	6.3	B1/1000		
BH (60°-80°)	716.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	37.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3815.8	3815.8	3815.8	3815.8	3815.8	3815.8	3815.8	3815.8	3815.8	3815.8	3815.8
2.5°	3762.3	3766.3	3777.4	3793.6	3809.7	3817.8	3838.0	3831.9	3827.9	3819.8	3809.7
5°	3595.8	3603.9	3614.0	3645.3	3680.6	3708.8	3754.2	3759.3	3761.3	3765.3	3749.2
7.5°	3383.9	3386.0	3410.2	3451.5	3497.9	3546.4	3622.0	3643.2	3661.4	3681.6	3668.5
10°	3149.9	3154.9	3173.1	3232.6	3312.3	3383.9	3485.8	3521.2	3559.5	3603.9	3585.7
12.5°	2958.2	2959.2	2988.4	3052.0	3138.8	3235.6	3362.8	3405.1	3455.6	3525.2	3509.0
15°	2805.8	2805.8	2833.1	2887.5	2987.4	3101.4	3252.8	3307.3	3375.9	3469.7	3441.4
17.5°	2684.8	2685.8	2702.9	2760.4	2849.2	2975.3	3154.9	3228.6	3304.2	3428.3	3386.0
20°	2621.2	2616.1	2619.2	2654.5	2730.2	2852.2	3057.0	3142.8	3244.7	3400.1	3335.5
22.5°	2618.2	2609.1	2596.0	2599.0	2643.4	2744.3	2952.1	3056.0	3184.2	3376.9	3284.1
25°	2669.6	2659.5	2636.3	2610.1	2606.1	2666.6	2853.2	2971.3	3121.6	3366.8	3234.6
27.5°	2756.4	2749.3	2719.1	2679.7	2638.3	2636.3	2778.6	2901.7	3076.2	3376.9	3199.3
30°	2871.4	2859.3	2840.1	2789.7	2727.1	2662.6	2749.3	2864.3	3045.9	3409.2	3184.2
32.5°	3001.6	2994.5	2976.3	2925.9	2859.3	2756.4	2772.5	2872.4	3045.9	3465.7	3187.2
35°	3139.8	3138.8	3138.8	3105.5	3031.8	2903.7	2864.3	2941.0	3092.4	3556.5	3219.5
37.5°	3274.0	3273.0	3305.2	3317.4	3233.6	3095.4	3020.7	3078.2	3194.3	3690.7	3299.2
40°	3382.9	3387.0	3457.6	3518.1	3471.7	3343.6	3238.7	3267.9	3359.7	3881.3	3438.4
42.5°	3492.9	3504.0	3609.9	3716.9	3735.0	3624.1	3518.1	3535.3	3596.8	4133.6	3646.3
45°	3613.0	3618.0	3766.3	3915.6	4003.4	3937.8	3851.1	3874.3	3888.4	4445.3	3956.0
47.5°	3729.0	3742.1	3933.8	4138.6	4305.1	4299.0	4250.6	4243.5	4246.6	4824.7	4322.2
50°	3887.4	3906.6	4131.6	4378.7	4622.9	4734.9	4749.0	4695.5	4673.3	5246.4	4778.3
52.5°	4188.1	4188.1	4389.8	4633.0	4960.9	5238.3	5333.2	5245.4	5174.8	5692.4	5262.6
55°	4564.4	4580.5	4740.9	4937.7	5353.4	5768.0	6088.9	5992.0	5792.2	6177.7	5770.1
57.5°	4731.9	4752.0	5006.3	5312.0	5866.9	6370.4	6815.3	6781.0	6489.4	6682.1	6296.7
60°	4429.2	4471.6	4821.7	5334.2	6332.0	7342.0	7655.7	7555.9	7139.2	7211.8	6867.8
62.5°	3694.7	3741.1	4129.5	4844.9	6267.5	8392.3	8980.5	8612.2	7950.3	7880.7	7628.5
65°	2204.5	2202.5	2669.6	3618.0	5471.4	8683.8	11077.0	10389.9	9203.4	8798.8	8411.4
67.5°	1401.4	1398.4	1496.2	1917.0	3641.2	7969.5	12424.9	12603.5	10905.5	9473.8	8476.0
70°	1105.8	1104.8	1175.4	1367.1	1800.9	5671.2	12049.6	13285.5	11933.6	9216.5	7463.0
72.5°	806.1	808.2	917.1	1145.1	1389.3	2847.2	9757.3	11367.6	10976.1	8136.0	6058.6
75°	579.1	582.2	647.7	876.8	1281.3	1556.8	6488.4	8547.6	8350.9	6521.7	4167.9
77.5°	368.3	372.3	429.8	614.4	1035.2	1257.1	3933.8	6034.4	5556.2	3674.5	1482.1
80°	225.0	238.1	286.5	458.1	827.3	943.3	1966.4	3179.1	2782.6	1007.9	498.4
82.5°	116.0	126.1	172.5	283.5	570.0	828.3	1112.8	1335.8	861.6	421.7	265.3
85°	36.3	42.4	60.5	115.0	271.4	513.5	736.5	663.9	395.5	198.8	123.1
87.5°	9.1	9.1	10.1	10.1	11.1	23.2	142.3	150.3	104.9	62.6	50.4
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°	3815.8	3815.8	3815.8	3815.8	3815.8	3815.8	3815.8	3815.8	3815.8	3815.8	3815.8
2.5°	3789.5	3765.3	3755.2	3754.2	3729.0	3692.7	3668.5	3651.3	3641.2	3639.2	3639.2
5°	3721.9	3690.7	3649.3	3618.0	3550.4	3481.8	3424.3	3392.0	3354.7	3349.6	3348.6
7.5°	3632.1	3586.7	3508.0	3420.3	3302.2	3188.2	3091.4	3025.8	2960.2	2948.1	2944.0
10°	3535.3	3473.7	3339.5	3185.2	3008.6	2838.1	2689.8	2573.8	2497.1	2442.6	2432.5
12.5°	3439.4	3357.7	3161.0	2930.9	2688.8	2455.7	2232.8	2043.1	1905.9	1826.2	1812.0
15°	3349.6	3235.6	2966.2	2672.6	2357.9	2039.0	1723.2	1477.1	1284.4	1215.8	1199.6
17.5°	3267.9	3125.7	2777.6	2405.3	2012.8	1596.1	1236.9	1018.0	905.0	870.7	862.6
20°	3186.2	3012.7	2585.9	2123.8	1646.6	1179.4	904.0	801.1	758.7	745.6	741.6
22.5°	3098.4	2888.6	2377.0	1846.3	1276.3	882.8	739.5	694.1	681.0	682.0	681.0
25°	3010.6	2762.4	2158.1	1544.7	950.4	716.3	645.7	628.6	631.6	640.7	642.7
27.5°	2938.0	2650.5	1943.2	1213.7	742.6	616.5	583.2	582.2	593.2	605.4	607.4
30°	2885.5	2550.6	1731.3	933.3	611.4	547.8	534.7	540.8	553.9	563.0	566.0
32.5°	2848.2	2464.8	1505.3	733.5	535.7	499.4	493.4	499.4	507.5	516.6	518.6
35°	2835.1	2402.3	1283.4	598.3	484.3	464.1	460.1	463.1	467.1	472.2	474.2
37.5°	2864.3	2371.0	1051.3	520.6	453.0	440.9	434.8	432.8	433.8	435.9	436.9
40°	2951.1	2385.1	861.6	475.2	432.8	421.7	411.6	407.6	406.6	408.6	407.6
42.5°	3100.4	2444.6	724.4	449.0	416.7	400.5	389.4	385.4	385.4	390.5	390.5
45°	3319.4	2561.7	625.5	429.8	402.6	382.4	370.3	368.3	372.3	380.4	381.4
47.5°	3640.2	2733.2	566.0	415.7	389.4	366.2	354.1	353.1	361.2	374.3	375.3
50°	4020.6	2980.4	533.7	405.6	380.4	353.1	341.0	342.0	351.1	365.2	368.3
52.5°	4478.6	3317.4	535.7	401.6	375.3	345.1	332.9	330.9	340.0	354.1	357.2
55°	4951.8	3727.0	575.1	402.6	368.3	341.0	324.9	317.8	325.9	336.0	337.0
57.5°	5472.4	4189.1	673.0	400.5	359.2	337.0	317.8	301.7	306.7	312.8	315.8
60°	6059.6	4732.9	883.8	404.6	355.1	327.9	303.7	282.5	281.5	285.5	286.5
62.5°	6844.6	5472.4	1120.9	411.6	364.2	316.8	282.5	260.3	256.3	258.3	259.3
65°	7444.9	5825.5	1046.3	405.6	383.4	308.7	262.3	239.1	231.0	229.0	229.0
67.5°	7200.7	5358.4	728.4	389.4	392.5	309.7	246.2	216.9	206.8	201.8	200.8
70°	6127.2	4352.5	506.5	373.3	382.4	307.7	229.0	198.8	185.6	178.6	177.6
72.5°	4840.8	3323.4	409.6	341.0	347.1	277.5	203.8	178.6	167.5	158.4	158.4
75°	3115.6	2027.9	342.0	303.7	283.5	215.9	176.6	159.4	148.3	139.2	139.2
77.5°	1048.3	752.7	265.3	257.3	211.9	162.4	148.3	137.2	128.1	120.1	119.1
80°	425.8	357.2	194.7	194.7	148.3	124.1	116.0	111.0	104.9	94.8	94.8
82.5°	247.2	216.9	136.2	118.0	98.9	85.8	80.7	75.7	75.7	68.6	68.6
85°	119.1	120.1	81.7	72.6	56.5	49.4	47.4	44.4	43.4	39.3	38.3
87.5°	64.6	65.6	41.4	32.3	22.2	19.2	16.1	15.1	14.1	13.1	13.1
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)