

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: P635233

Luminaire Tested: GWS-SA3D-735-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16669.5 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

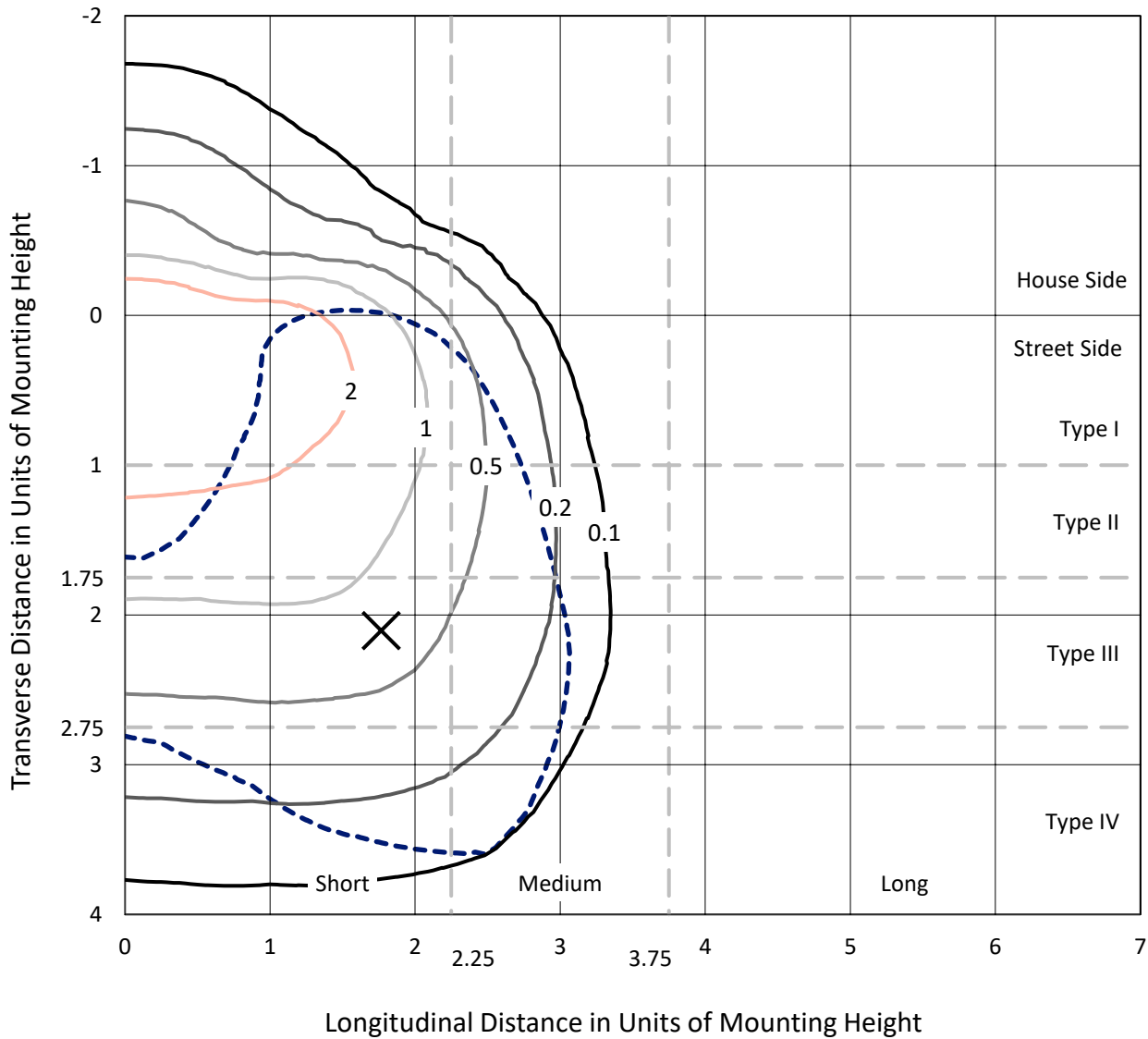
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

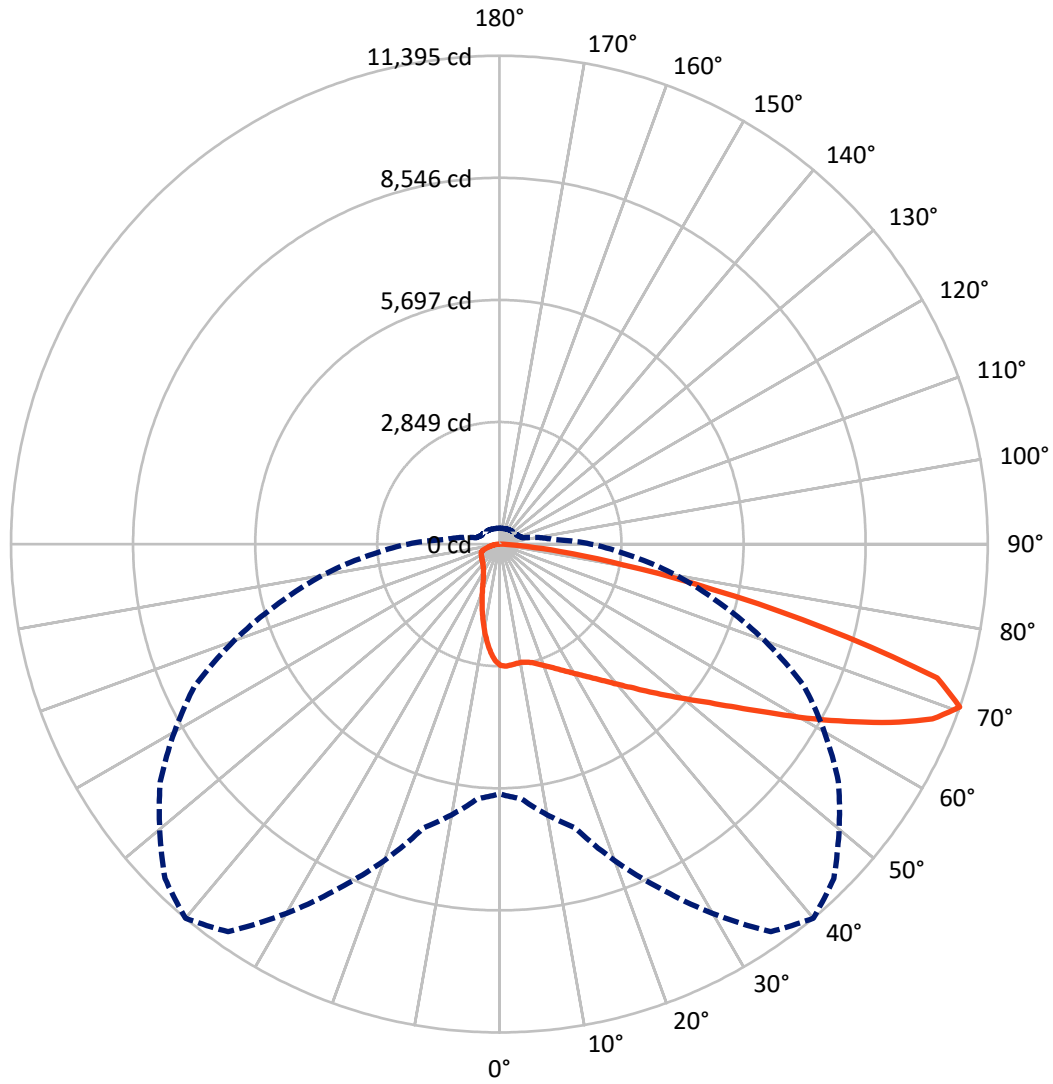
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2567.5	0.0	2567.5
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	14102.0	0.0	14102.0
	% Fixture	84.6	0.0	84.6
Total	Lumens	16669.5	0.0	16669.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.1	1.5
10°-20°	651.8	3.9
20°-30°	1023.5	6.1
30°-40°	1538.8	9.2
40°-50°	2375.2	14.2
50°-60°	3527.4	21.2
60°-70°	4446.2	26.7
70°-80°	2571.2	15.4
80°-90°	285.4	1.7
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°	16669.5	100.0
0°-180°	16669.5	100.0

Coefficient of Utilization



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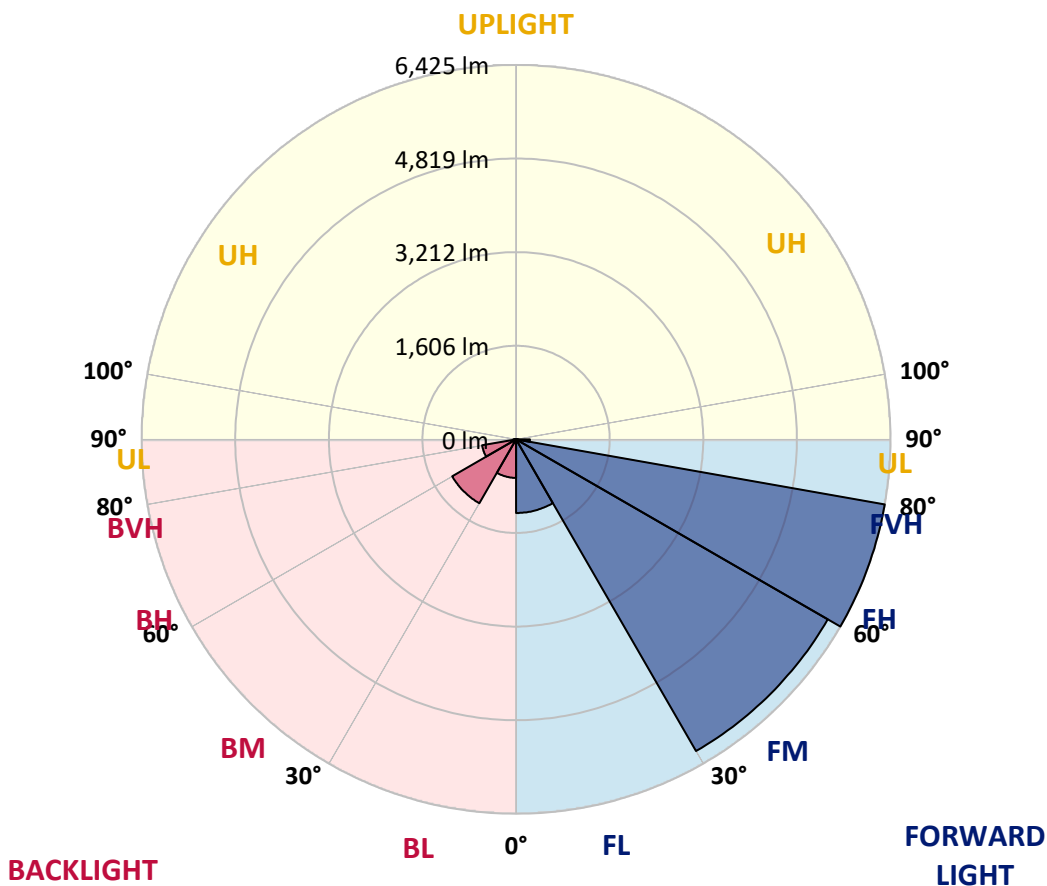
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1263.7	7.6			
FM (30°-60°)	6175.8	37.0			
FH (60°-80°)	6424.8	38.5			G3/7500
FVH (80°-90°)	237.7	1.4			G3/500
BL (0°-30°)	661.7	4.0	B2/1000		
BM (30°-60°)	1265.6	7.6	B2/2500		
BH (60°-80°)	592.6	3.6	B2/1000		G2/1000
BVH (80°-90°)	47.7	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2830.7	2830.7	2830.7	2830.7	2830.7	2830.7	2830.7	2830.7	2830.7	2830.7	2830.7
2.5°	2848.1	2853.1	2856.8	2861.8	2859.3	2851.8	2858.0	2858.0	2844.4	2829.4	2815.7
5°	2851.8	2858.0	2856.8	2855.6	2845.6	2833.2	2833.2	2825.7	2802.1	2778.4	2756.0
7.5°	2844.4	2843.1	2841.9	2838.1	2826.9	2813.3	2810.8	2795.8	2764.7	2732.4	2700.0
10°	2810.8	2809.5	2813.3	2822.0	2819.5	2807.0	2807.0	2793.3	2757.3	2717.4	2675.1
12.5°	2783.4	2783.4	2798.3	2822.0	2830.7	2825.7	2826.9	2817.0	2775.9	2728.6	2678.9
15°	2787.1	2788.4	2820.7	2859.3	2875.5	2871.7	2873.0	2861.8	2815.7	2768.5	2701.3
17.5°	2812.0	2818.2	2874.2	2927.7	2948.9	2943.9	2935.2	2916.5	2864.3	2810.8	2728.6
20°	2864.3	2874.2	2946.4	3013.6	3038.5	3027.3	3012.3	2975.0	2917.8	2859.3	2758.5
22.5°	2967.5	2973.8	3053.4	3119.3	3139.2	3125.6	3095.7	3042.2	2976.2	2915.3	2794.6
25°	3113.1	3120.6	3196.5	3257.5	3252.5	3236.3	3195.2	3129.3	3050.9	2986.2	2846.8
27.5°	3286.1	3298.5	3373.2	3421.7	3389.3	3365.7	3319.7	3240.0	3151.7	3093.2	2926.5
30°	3475.2	3480.2	3543.6	3592.2	3542.4	3510.0	3454.0	3368.2	3288.6	3245.0	3045.9
32.5°	3658.1	3663.1	3717.8	3745.2	3692.9	3669.3	3620.8	3529.9	3474.0	3450.3	3223.9
35°	3851.0	3849.7	3894.5	3918.1	3864.6	3854.7	3804.9	3735.2	3725.3	3756.4	3483.9
37.5°	4043.8	4032.6	4056.3	4087.4	4057.5	4067.5	4035.1	4011.5	4050.0	4130.9	3829.8
40°	4198.1	4198.1	4223.0	4261.6	4271.5	4315.1	4296.4	4327.5	4451.9	4644.8	4257.8
42.5°	4335.0	4336.2	4388.5	4448.2	4520.4	4587.6	4602.5	4683.4	4940.9	5243.3	4795.3
45°	4478.1	4479.3	4550.2	4637.3	4790.4	4918.5	4948.4	5130.0	5498.3	5866.6	5378.9
47.5°	4643.5	4629.9	4728.2	4873.7	5091.5	5275.6	5352.8	5610.3	6075.7	6528.6	5928.9
50°	4830.2	4801.6	4911.1	5162.4	5431.2	5683.7	5813.1	6108.0	6695.3	7139.5	6446.5
52.5°	5040.5	5024.3	5138.8	5444.8	5855.4	6146.6	6322.0	6709.0	7297.5	7748.0	6857.1
55°	5301.8	5263.2	5428.7	5818.1	6353.1	6723.9	6931.7	7303.8	7955.7	8300.4	7170.6
57.5°	5587.9	5545.6	5767.1	6284.7	7000.2	7407.0	7667.1	7973.2	8575.4	8723.4	7354.8
60°	5896.5	5882.8	6145.4	6832.2	7771.6	8244.4	8432.3	8709.8	9114.1	8968.6	7308.7
62.5°	6179.0	6174.0	6556.0	7425.7	8589.1	9109.2	9258.5	9331.9	9502.3	8952.4	6942.9
65°	6476.3	6518.6	7035.0	8113.8	9526.0	10036.1	10098.3	9911.7	9633.0	8528.1	6193.9
67.5°	6513.7	6595.8	7336.1	8758.3	10414.4	10895.9	10846.1	10131.9	9247.3	7347.3	4855.1
70°	5825.6	5968.7	6855.8	8856.6	11040.2	11394.9	11035.3	9657.9	7847.5	5322.9	3053.4
72.5°	4867.5	4990.7	5774.6	7552.6	10232.7	10684.4	10197.9	8174.7	5545.6	3053.4	1555.3
75°	3788.7	3931.8	4654.7	6003.5	7660.9	7841.3	7597.4	5701.2	3048.4	1259.2	706.7
77.5°	2311.8	2415.1	2977.5	4067.5	5360.2	5090.2	4313.8	3196.5	1337.6	603.5	436.7
80°	1022.8	1086.2	1467.0	2184.9	3096.9	2927.7	2308.1	1364.9	731.6	383.2	304.8
82.5°	548.7	589.8	722.9	864.8	1360.0	1422.2	1153.4	786.4	393.2	219.0	174.2
85°	241.4	265.0	328.5	313.6	446.7	439.2	443.0	540.0	187.9	100.8	113.2
87.5°	0.0	0.0	0.0	0.0	1.2	1.2	13.7	72.2	18.7	29.9	26.1
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°	2830.7	2830.7	2830.7	2830.7	2830.7	2830.7	2830.7	2830.7	2830.7	2830.7	2830.7
2.5°	2800.8	2778.4	2772.2	2764.7	2751.0	2727.4	2710.0	2690.1	2681.4	2671.4	2672.7
5°	2731.1	2703.8	2677.6	2644.0	2601.7	2554.4	2522.1	2484.8	2464.9	2446.2	2451.2
7.5°	2671.4	2629.1	2575.6	2504.7	2428.8	2344.2	2275.7	2222.2	2186.1	2161.3	2173.7
10°	2634.1	2584.3	2491.0	2375.3	2247.1	2117.7	2019.4	1927.3	1870.1	1825.3	1822.8
12.5°	2626.6	2561.9	2426.3	2258.3	2072.9	1900.0	1755.6	1631.2	1555.3	1499.3	1520.5
15°	2634.1	2552.0	2370.3	2150.1	1916.1	1682.2	1503.1	1360.0	1269.1	1218.1	1214.4
17.5°	2642.8	2542.0	2306.8	2033.1	1751.9	1484.4	1276.6	1124.8	1031.5	980.5	981.7
20°	2650.3	2527.1	2232.2	1904.9	1585.2	1300.2	1085.0	940.7	857.3	820.0	826.2
22.5°	2662.7	2512.1	2152.6	1768.1	1414.7	1122.3	933.2	816.2	766.5	741.6	742.8
25°	2686.3	2503.4	2070.4	1618.8	1246.7	980.5	828.7	750.3	719.2	704.2	703.0
27.5°	2734.9	2510.9	1984.6	1474.4	1094.9	872.2	761.5	710.5	689.3	679.4	678.1
30°	2815.7	2540.8	1909.9	1327.6	964.3	787.6	715.4	684.3	671.9	663.2	661.9
32.5°	2938.9	2596.8	1829.0	1190.7	858.5	725.4	679.4	663.2	654.5	649.5	649.5
35°	3125.6	2698.8	1749.4	1071.3	776.4	676.9	650.7	644.5	637.1	634.6	637.1
37.5°	3394.3	2861.8	1677.3	966.8	717.9	639.5	619.6	622.1	615.9	619.6	623.4
40°	3735.2	3079.5	1616.3	880.9	674.4	612.2	592.3	601.0	597.2	601.0	607.2
42.5°	4167.0	3349.5	1570.2	813.7	643.3	589.8	571.1	579.8	577.3	582.3	588.5
45°	4648.5	3705.4	1549.1	766.5	620.9	573.6	553.7	559.9	557.4	561.2	567.4
47.5°	5110.1	4028.9	1567.8	739.1	602.2	559.9	538.8	541.2	540.0	538.8	542.5
50°	5508.3	4286.4	1621.3	730.4	589.8	546.2	526.3	527.6	523.8	516.4	518.9
52.5°	5833.1	4493.0	1653.6	730.4	583.6	531.3	512.6	513.9	506.4	496.5	497.7
55°	6047.1	4576.4	1627.5	729.1	581.1	518.9	498.9	500.2	492.7	480.3	481.5
57.5°	6108.0	4495.5	1518.0	715.4	578.6	508.9	485.3	487.7	482.8	469.1	469.1
60°	5937.6	4199.3	1317.7	684.3	572.4	502.7	475.3	479.0	476.5	462.9	462.9
62.5°	5490.9	3673.0	1078.8	637.1	554.9	495.2	466.6	474.1	480.3	472.8	471.6
65°	4654.7	2942.7	877.2	584.8	532.5	482.8	454.2	472.8	486.5	496.5	496.5
67.5°	3492.6	2106.5	715.4	530.1	498.9	457.9	438.0	455.4	465.4	471.6	475.3
70°	2128.9	1239.3	563.6	466.6	450.4	420.6	405.6	388.2	374.5	372.0	373.3
72.5°	1041.4	709.2	457.9	396.9	384.5	357.1	323.5	316.0	309.8	306.1	304.8
75°	573.6	494.0	378.3	329.7	307.3	273.7	266.3	253.8	251.3	246.4	247.6
77.5°	405.6	389.5	312.3	267.5	233.9	216.5	220.2	211.5	211.5	207.8	206.5
80°	304.8	306.1	240.1	195.3	173.0	166.7	170.5	170.5	168.0	166.7	165.5
82.5°	192.9	217.7	161.8	125.7	123.2	124.4	123.2	121.9	124.4	120.7	119.4
85°	133.1	156.8	98.3	74.7	74.7	73.4	75.9	74.7	77.1	73.4	73.4
87.5°	29.9	69.7	36.1	22.4	23.6	22.4	23.6	24.9	27.4	28.6	28.6
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)