

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: P634736

Luminaire Tested: GWS-SA3C-735-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634736
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-735-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13480.7 lumens
Efficiency: N/A
Efficacy: 145.0 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

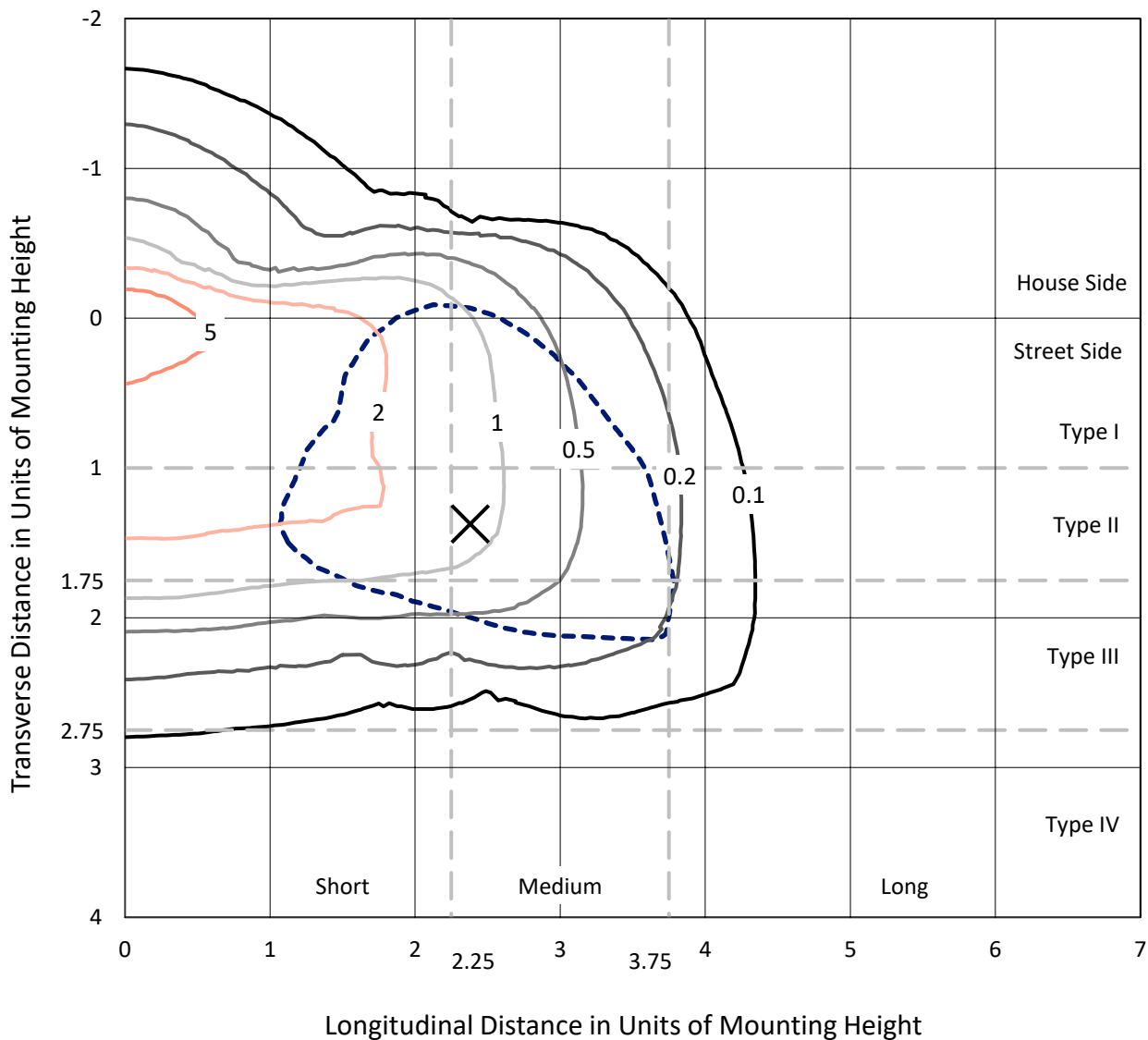
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

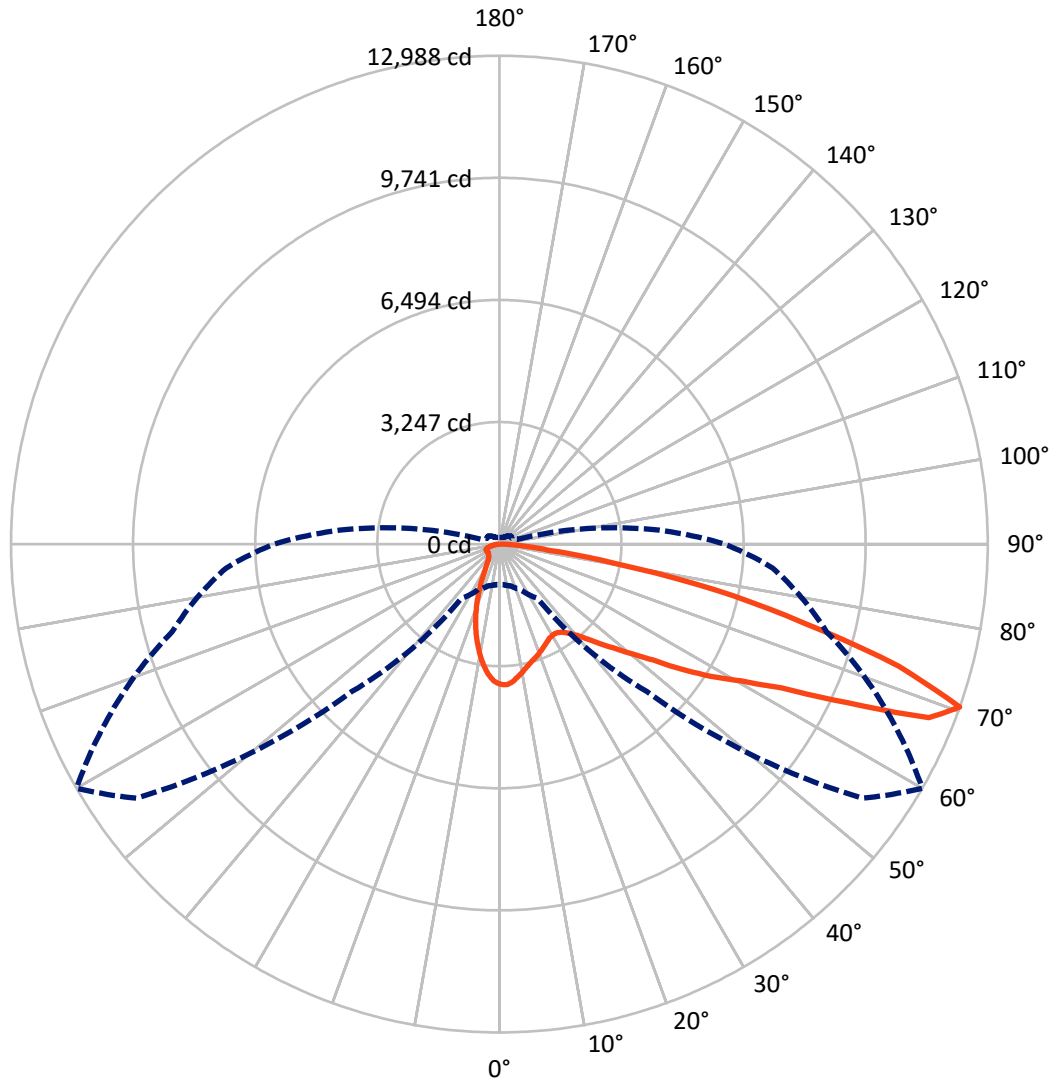
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.3 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	2305.5	0.0	2305.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	11175.2	0.0	11175.2
	% Fixture	82.9	0.0	82.9
Total	Lumens	13480.7	0.0	13480.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.5	2.4
10°-20°	720.3	5.3
20°-30°	922.5	6.8
30°-40°	1212.4	9.0
40°-50°	1759.0	13.0
50°-60°	2744.5	20.4
60°-70°	3593.1	26.7
70°-80°	1986.8	14.7
80°-90°	220.5	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°	13480.7	100.0
0°-180°	13480.7	100.0

Coefficient of Utilization



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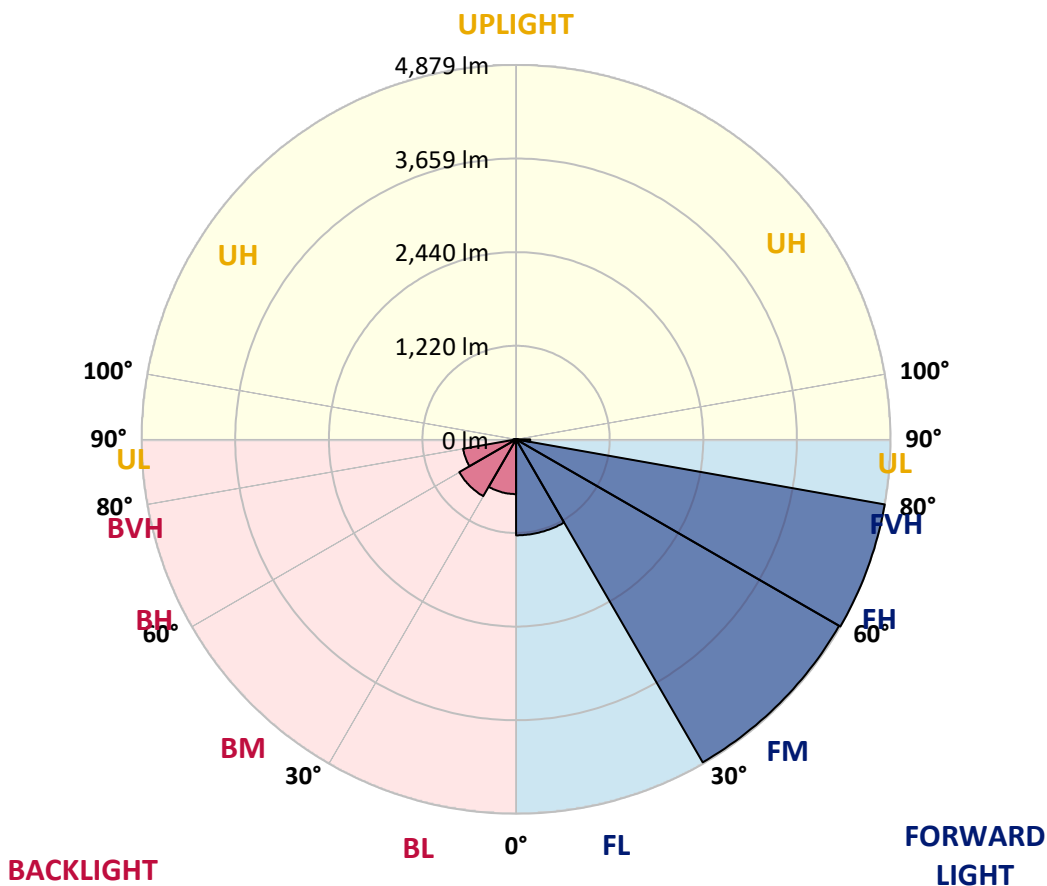
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1251.1	9.3			
FM (30°-60°)	4861.1	36.1			
FH (60°-80°)	4879.3	36.2			G2/5000
FVH (80°-90°)	183.7	1.4			G2/225
BL (0°-30°)	713.3	5.3	B2/1000		
BM (30°-60°)	854.8	6.3	B1/1000		
BH (60°-80°)	700.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	36.8	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°	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3
2.5°	3678.0	3682.0	3692.8	3708.6	3724.4	3732.3	3752.0	3746.1	3742.1	3734.2	3724.4
5°	3515.3	3523.2	3533.0	3563.6	3598.1	3625.7	3670.1	3675.0	3677.0	3681.0	3665.2
7.5°	3308.1	3310.1	3333.8	3374.2	3419.6	3466.9	3540.9	3561.6	3579.4	3599.1	3586.3
10°	3079.3	3084.2	3102.0	3160.2	3238.1	3308.1	3407.8	3442.3	3479.8	3523.2	3505.4
12.5°	2891.9	2892.9	2921.5	2983.6	3068.5	3163.1	3287.4	3328.8	3378.2	3446.2	3430.4
15°	2743.0	2743.0	2769.6	2822.9	2920.5	3032.0	3179.9	3233.2	3300.2	3392.0	3364.4
17.5°	2624.6	2625.6	2642.4	2698.6	2785.4	2908.7	3084.2	3156.2	3230.2	3351.5	3310.1
20°	2562.5	2557.5	2560.5	2595.0	2669.0	2788.3	2988.6	3072.4	3172.0	3323.9	3260.8
22.5°	2559.5	2550.6	2537.8	2540.8	2584.2	2682.8	2886.0	2987.6	3112.8	3301.2	3210.5
25°	2609.8	2600.0	2577.3	2551.6	2547.7	2606.9	2789.3	2904.7	3051.7	3291.4	3162.2
27.5°	2694.6	2687.7	2658.1	2619.7	2579.2	2577.3	2716.3	2836.7	3007.3	3301.2	3127.6
30°	2807.1	2795.2	2776.5	2727.2	2666.0	2602.9	2687.7	2800.2	2977.7	3332.8	3112.8
32.5°	2934.3	2927.4	2909.7	2860.3	2795.2	2694.6	2710.4	2808.1	2977.7	3388.0	3115.8
35°	3069.4	3068.5	3068.5	3035.9	2963.9	2838.6	2800.2	2875.1	3023.1	3476.8	3147.4
37.5°	3200.6	3199.6	3231.2	3243.0	3161.2	3026.0	2953.1	3009.3	3122.7	3608.0	3225.3
40°	3307.2	3311.1	3380.1	3439.3	3393.9	3268.7	3166.1	3194.7	3284.5	3794.4	3361.4
42.5°	3414.7	3425.5	3529.1	3633.6	3651.4	3542.9	3439.3	3456.1	3516.3	4041.0	3564.6
45°	3532.0	3537.0	3682.0	3827.9	3913.7	3849.6	3764.8	3787.5	3801.3	4345.8	3867.4
47.5°	3645.5	3658.3	3845.7	4045.9	4208.7	4202.7	4155.4	4148.5	4151.4	4716.6	4225.4
50°	3800.3	3819.1	4039.0	4280.7	4519.3	4628.8	4642.6	4590.4	4568.7	5128.9	4671.2
52.5°	4094.2	4094.2	4291.5	4529.2	4849.8	5121.0	5213.7	5127.9	5058.9	5564.9	5144.7
55°	4462.1	4477.9	4634.7	4827.1	5233.4	5638.8	5952.5	5857.8	5662.5	6039.3	5640.8
57.5°	4625.9	4645.6	4894.1	5193.0	5735.5	6227.7	6662.6	6629.1	6344.0	6532.4	6155.7
60°	4330.0	4371.4	4713.7	5214.7	6190.2	7177.5	7484.2	7386.6	6979.2	7050.3	6713.9
62.5°	3611.9	3657.3	4037.0	4736.3	6127.1	8204.3	8779.3	8419.3	7772.2	7704.2	7457.6
65°	2155.1	2153.1	2609.8	3537.0	5348.8	8489.3	10828.9	10157.2	8997.3	8601.7	8223.0
67.5°	1370.0	1367.0	1462.7	1874.0	3559.6	7791.0	12146.6	12321.2	10661.2	9261.6	8286.1
70°	1081.0	1080.0	1149.1	1336.5	1760.6	5544.1	11779.7	12987.9	11666.3	9010.1	7295.9
72.5°	788.1	790.0	896.6	1119.5	1358.2	2783.4	9538.8	11112.9	10730.2	7953.7	5922.9
75°	566.2	569.1	633.2	857.1	1252.6	1521.9	6343.1	8356.2	8163.8	6375.6	4074.5
77.5°	360.0	364.0	420.2	600.7	1012.0	1229.0	3845.7	5899.2	5431.7	3592.2	1448.9
80°	220.0	232.8	280.1	447.8	808.8	922.2	1922.3	3107.9	2720.3	985.3	487.2
82.5°	113.4	123.3	168.7	277.2	557.3	809.8	1087.9	1305.9	842.3	412.3	259.4
85°	35.5	41.4	59.2	112.4	265.3	502.0	720.0	649.0	386.6	194.3	120.3
87.5°	8.9	8.9	9.9	9.9	10.8	22.7	139.1	147.0	102.6	61.2	49.3
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°	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3	3730.3
2.5°	3704.6	3681.0	3671.1	3670.1	3645.5	3610.0	3586.3	3569.5	3559.6	3557.7	3557.7
5°	3638.6	3608.0	3567.5	3537.0	3470.9	3403.8	3347.6	3316.0	3279.5	3274.6	3273.6
7.5°	3550.8	3506.4	3429.5	3343.6	3228.2	3116.8	3022.1	2958.0	2893.9	2882.0	2878.1
10°	3456.1	3395.9	3264.7	3113.8	2941.2	2774.5	2629.5	2516.1	2441.2	2387.9	2378.0
12.5°	3362.4	3282.5	3090.2	2865.3	2628.6	2400.7	2182.7	1997.3	1863.2	1785.2	1771.4
15°	3274.6	3163.1	2899.8	2612.8	2305.0	1993.4	1684.6	1444.0	1255.6	1188.5	1172.7
17.5°	3194.7	3055.6	2715.4	2351.4	1967.7	1560.4	1209.2	995.2	884.7	851.2	843.3
20°	3114.8	2945.2	2528.0	2076.2	1609.7	1153.0	883.7	783.1	741.7	728.9	724.9
22.5°	3029.0	2823.9	2323.8	1805.0	1247.7	863.0	723.0	678.6	665.8	666.8	665.8
25°	2943.2	2700.6	2109.8	1510.1	929.1	700.3	631.2	614.5	617.4	626.3	628.3
27.5°	2872.2	2591.1	1899.7	1186.5	725.9	602.6	570.1	569.1	580.0	591.8	593.8
30°	2820.9	2493.4	1692.5	912.4	597.7	535.6	522.8	528.7	541.5	550.4	553.3
32.5°	2784.4	2409.6	1471.6	717.1	523.7	488.2	482.3	488.2	496.1	505.0	507.0
35°	2771.6	2348.4	1254.6	584.9	473.4	453.7	449.8	452.7	456.7	461.6	463.6
37.5°	2800.2	2317.9	1027.8	508.9	442.9	431.0	425.1	423.1	424.1	426.1	427.1
40°	2885.0	2331.7	842.3	464.6	423.1	412.3	402.4	398.5	397.5	399.5	398.5
42.5°	3031.0	2389.9	708.2	438.9	407.4	391.6	380.7	376.8	376.8	381.7	381.7
45°	3245.0	2504.3	611.5	420.2	393.5	373.8	362.0	360.0	364.0	371.8	372.8
47.5°	3558.7	2672.0	553.3	406.4	380.7	358.0	346.2	345.2	353.1	365.9	366.9
50°	3930.5	2913.6	521.8	396.5	371.8	345.2	333.4	334.4	343.2	357.0	360.0
52.5°	4378.3	3243.0	523.7	392.6	366.9	337.3	325.5	323.5	332.4	346.2	349.2
55°	4840.9	3643.5	562.2	393.5	360.0	333.4	317.6	310.7	318.6	328.4	329.4
57.5°	5349.8	4095.2	657.9	391.6	351.1	329.4	310.7	294.9	299.8	305.8	308.7
60°	5923.9	4626.9	864.0	395.5	347.2	320.6	296.9	276.2	275.2	279.1	280.1
62.5°	6691.2	5349.8	1095.8	402.4	356.1	309.7	276.2	254.5	250.5	252.5	253.5
65°	7278.1	5695.0	1022.8	396.5	374.8	301.8	256.4	233.8	225.9	223.9	223.9
67.5°	7039.4	5238.4	712.1	380.7	383.7	302.8	240.7	212.1	202.2	197.3	196.3
70°	5990.0	4255.0	495.1	364.9	373.8	300.8	223.9	194.3	181.5	174.6	173.6
72.5°	4732.4	3249.0	400.4	333.4	339.3	271.2	199.2	174.6	163.7	154.9	154.9
75°	3045.8	1982.5	334.4	296.9	277.2	211.1	172.6	155.8	145.0	136.1	136.1
77.5°	1024.8	735.8	259.4	251.5	207.1	158.8	145.0	134.1	125.3	117.4	116.4
80°	416.2	349.2	190.4	190.4	145.0	121.3	113.4	108.5	102.6	92.7	92.7
82.5°	241.6	212.1	133.2	115.4	96.7	83.8	78.9	74.0	74.0	67.1	67.1
85°	116.4	117.4	79.9	71.0	55.2	48.3	46.4	43.4	42.4	38.5	37.5
87.5°	63.1	64.1	40.4	31.6	21.7	18.7	15.8	14.8	13.8	12.8	12.8
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)