

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: P633416

Luminaire Tested: GWS-SA2E-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633416
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-SA2E-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14423.8 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

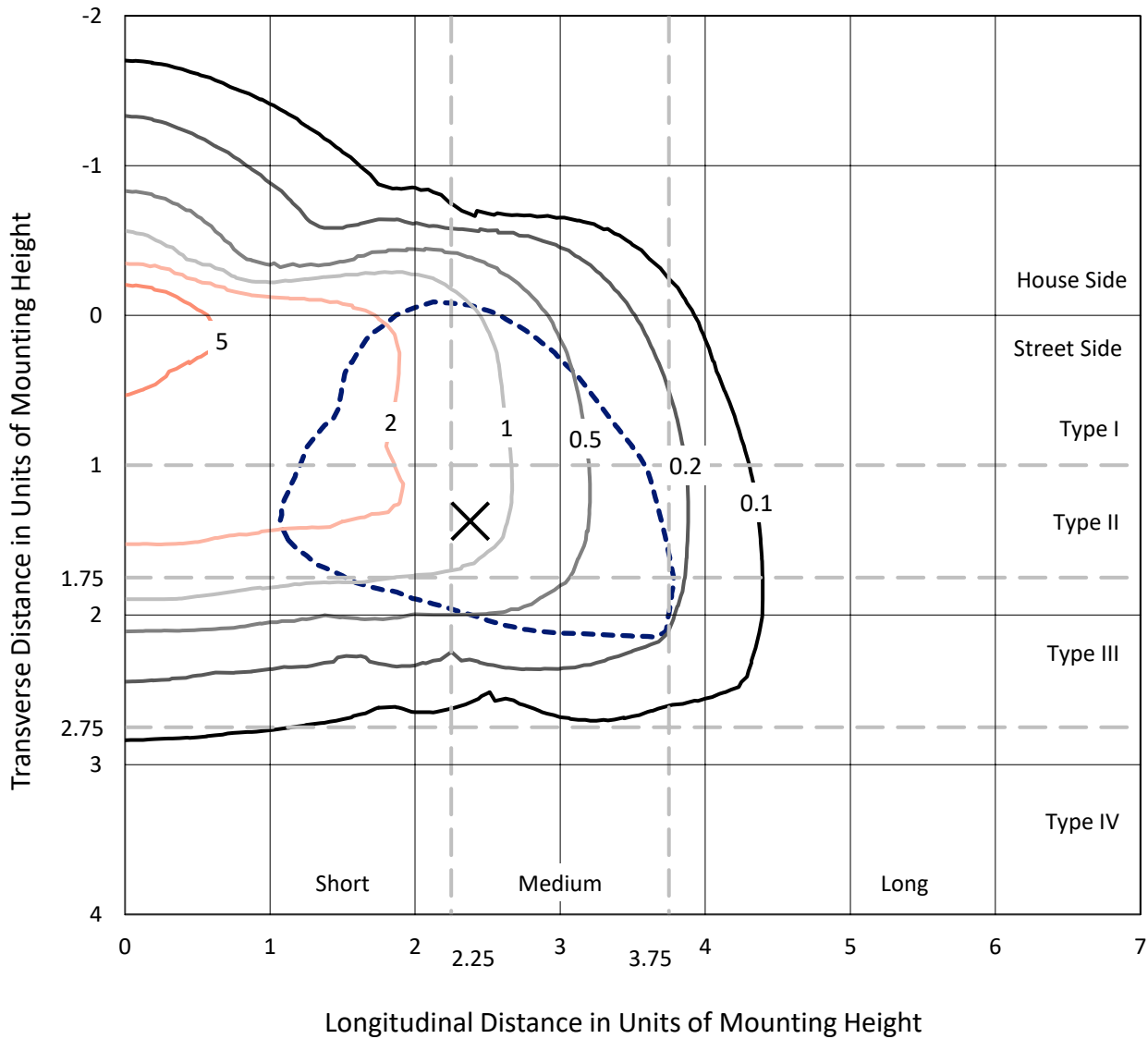
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

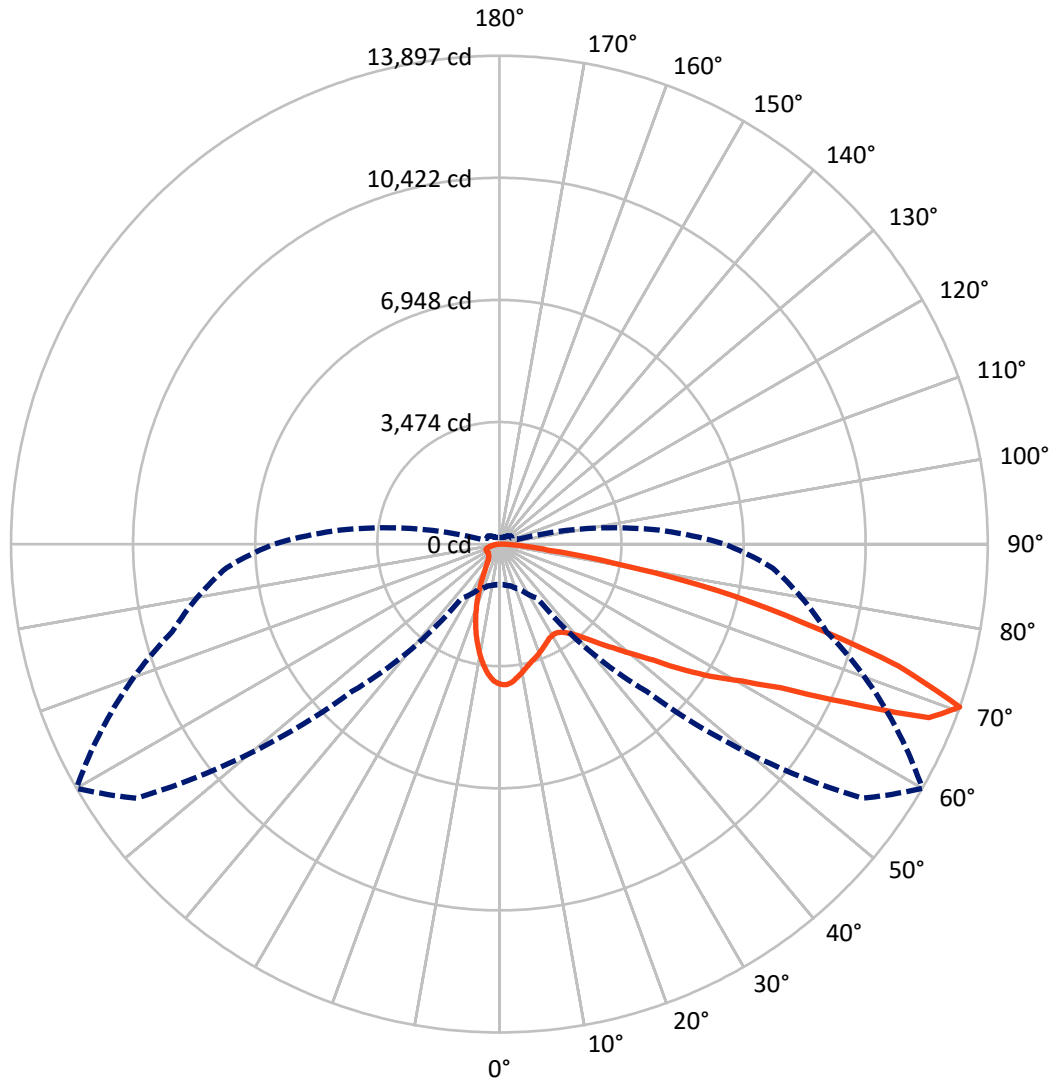
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10 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	2466.8	0.0	2466.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	11957.0	0.0	11957.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	14423.8	0.0	14423.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.0	2.4
10°-20°	770.7	5.3
20°-30°	987.1	6.8
30°-40°	1297.2	9.0
40°-50°	1882.1	13.0
50°-60°	2936.5	20.4
60°-70°	3844.4	26.7
70°-80°	2125.8	14.7
80°-90°	235.9	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°	14423.8	100.0
0°-180°	14423.8	100.0

Coefficient of Utilization



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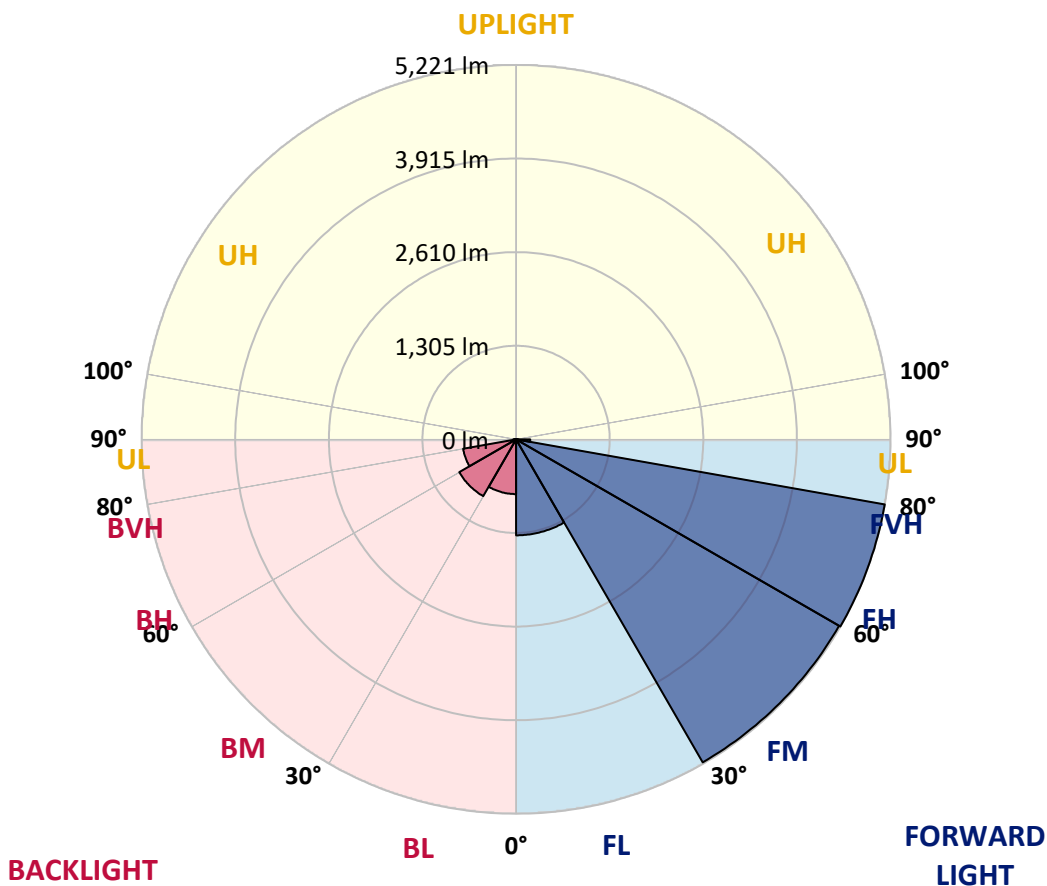
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1338.6	9.3			
FM (30°-60°)	5201.2	36.1			
FH (60°-80°)	5220.6	36.2			G3/7500
FVH (80°-90°)	196.6	1.4			G2/225
BL (0°-30°)	763.2	5.3	B2/1000		
BM (30°-60°)	914.6	6.3	B1/1000		
BH (60°-80°)	749.7	5.2	B2/1000		G2/1000
BVH (80°-90°)	39.3	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3
2.5°	3935.3	3939.5	3951.1	3968.0	3984.9	3993.4	4014.5	4008.1	4003.9	3995.5	3984.9
5°	3761.2	3769.6	3780.2	3812.9	3849.8	3879.4	3926.9	3932.2	3934.3	3938.5	3921.6
7.5°	3539.6	3541.7	3567.0	3610.3	3658.8	3709.5	3788.6	3810.8	3829.8	3850.9	3837.2
10°	3294.7	3300.0	3319.0	3381.3	3464.6	3539.6	3646.2	3683.1	3723.2	3769.6	3750.6
12.5°	3094.2	3095.3	3125.9	3192.4	3283.1	3384.4	3517.4	3561.7	3614.5	3687.3	3670.4
15°	2934.9	2934.9	2963.4	3020.3	3124.8	3244.1	3402.4	3459.4	3531.1	3629.3	3599.7
17.5°	2808.2	2809.3	2827.2	2887.4	2980.2	3112.2	3300.0	3377.1	3456.2	3586.0	3541.7
20°	2741.7	2736.5	2739.6	2776.6	2855.7	2983.4	3197.6	3287.3	3393.9	3556.5	3488.9
22.5°	2738.6	2729.1	2715.4	2718.5	2765.0	2870.5	3087.9	3196.6	3330.6	3532.2	3435.1
25°	2792.4	2781.8	2757.6	2730.1	2725.9	2789.2	2984.5	3107.9	3265.2	3521.6	3383.4
27.5°	2883.2	2875.8	2844.1	2803.0	2759.7	2757.6	2906.4	3035.1	3217.7	3532.2	3346.4
30°	3003.5	2990.8	2970.7	2918.0	2852.6	2785.0	2875.8	2996.1	3186.0	3566.0	3330.6
32.5°	3139.6	3132.2	3113.2	3060.5	2990.8	2883.2	2900.0	3004.5	3186.0	3625.1	3333.8
35°	3284.2	3283.1	3283.1	3248.3	3171.3	3037.2	2996.1	3076.3	3234.6	3720.0	3367.6
37.5°	3424.5	3423.5	3457.3	3469.9	3382.3	3237.7	3159.7	3219.8	3341.2	3860.4	3450.9
40°	3538.5	3542.7	3616.6	3679.9	3631.4	3497.4	3387.6	3418.2	3514.2	4059.8	3596.6
42.5°	3653.5	3665.2	3776.0	3887.8	3906.8	3790.7	3679.9	3697.9	3762.2	4323.7	3814.0
45°	3779.1	3784.4	3939.5	4095.7	4187.5	4118.9	4028.2	4052.5	4067.2	4649.8	4137.9
47.5°	3900.5	3914.2	4114.7	4329.0	4503.1	4496.8	4446.1	4438.7	4441.9	5046.6	4521.0
50°	4066.2	4086.2	4321.6	4580.1	4835.5	4952.7	4967.4	4911.5	4888.3	5487.7	4998.0
52.5°	4380.7	4380.7	4591.7	4846.1	5189.0	5479.3	5578.5	5486.7	5412.8	5954.2	5504.6
55°	4774.3	4791.2	4959.0	5164.8	5599.6	6033.3	6368.9	6267.6	6058.6	6461.8	6035.4
57.5°	4949.5	4970.6	5236.5	5556.3	6136.7	6663.3	7128.7	7092.9	6787.9	6989.4	6586.3
60°	4632.9	4677.2	5043.4	5579.5	6623.2	7679.6	8007.8	7903.4	7467.5	7543.5	7183.6
62.5°	3864.6	3913.2	4319.5	5067.7	6555.7	8778.2	9393.5	9008.3	8316.0	8243.2	7979.3
65°	2305.9	2303.8	2792.4	3784.4	5723.0	9083.2	11586.5	10867.8	9626.7	9203.5	8798.3
67.5°	1465.9	1462.7	1565.1	2005.1	3808.7	8336.0	12996.4	13183.2	11407.0	9909.5	8865.8
70°	1156.6	1155.6	1229.5	1430.0	1883.8	5932.0	12603.8	13896.6	12482.4	9640.4	7806.3
72.5°	843.2	845.3	959.3	1197.8	1453.2	2978.1	10206.1	11890.4	11480.9	8510.2	6337.2
75°	605.8	608.9	677.5	917.1	1340.3	1628.4	6786.8	8940.7	8735.0	6821.6	4359.6
77.5°	385.2	389.4	449.6	642.7	1082.8	1314.9	4114.7	6311.9	5811.7	3843.5	1550.3
80°	235.3	249.1	299.7	479.1	865.4	986.7	2056.8	3325.3	2910.6	1054.3	521.3
82.5°	121.4	131.9	180.5	296.5	596.3	866.4	1164.0	1397.3	901.3	441.1	277.6
85°	38.0	44.3	63.3	120.3	283.9	537.2	770.4	694.4	413.7	207.9	128.8
87.5°	9.5	9.5	10.6	10.6	11.6	24.3	148.8	157.2	109.8	65.4	52.8
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°	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3	3991.3
2.5°	3963.8	3938.5	3927.9	3926.9	3900.5	3862.5	3837.2	3819.2	3808.7	3806.6	3806.6
5°	3893.1	3860.4	3817.1	3784.4	3713.7	3641.9	3581.8	3548.0	3509.0	3503.7	3502.6
7.5°	3799.2	3751.7	3669.4	3577.6	3454.1	3334.8	3233.5	3164.9	3096.3	3083.7	3079.4
10°	3697.9	3633.5	3493.1	3331.7	3147.0	2968.6	2813.5	2692.1	2611.9	2555.0	2544.4
12.5°	3597.6	3512.1	3306.3	3065.7	2812.5	2568.7	2335.4	2137.0	1993.5	1910.1	1895.4
15°	3503.7	3384.4	3102.7	2795.6	2466.3	2132.8	1802.5	1545.0	1343.4	1271.7	1254.8
17.5°	3418.2	3269.4	2905.3	2515.9	2105.4	1669.5	1293.8	1064.8	946.6	910.7	902.3
20°	3332.7	3151.2	2704.8	2221.5	1722.3	1233.7	945.6	837.9	793.6	779.9	775.7
22.5°	3240.9	3021.4	2486.4	1931.3	1335.0	923.4	773.6	726.1	712.3	713.4	712.3
25°	3149.1	2889.5	2257.3	1615.7	994.1	749.3	675.4	657.5	660.6	670.1	672.2
27.5°	3073.1	2772.3	2032.6	1269.6	776.7	644.8	610.0	608.9	620.5	633.2	635.3
30°	3018.2	2667.9	1810.9	976.2	639.5	573.0	559.3	565.7	579.4	588.9	592.0
32.5°	2979.2	2578.2	1574.6	767.2	560.4	522.4	516.1	522.4	530.8	540.3	542.4
35°	2965.5	2512.7	1342.4	625.8	506.6	485.5	481.2	484.4	488.6	493.9	496.0
37.5°	2996.1	2480.0	1099.7	544.5	473.8	461.2	454.8	452.7	453.8	455.9	457.0
40°	3086.8	2494.8	901.3	497.1	452.7	441.1	430.6	426.4	425.3	427.4	426.4
42.5°	3243.0	2557.1	757.7	469.6	435.9	419.0	407.4	403.1	403.1	408.4	408.4
45°	3472.0	2679.5	654.3	449.6	421.1	400.0	387.3	385.2	389.4	397.9	398.9
47.5°	3807.6	2858.9	592.0	434.8	407.4	383.1	370.4	369.4	377.8	391.5	392.6
50°	4205.5	3117.4	558.3	424.2	397.9	369.4	356.7	357.8	367.3	382.0	385.2
52.5°	4684.6	3469.9	560.4	420.0	392.6	360.9	348.3	346.1	355.6	370.4	373.6
55°	5179.6	3898.4	601.5	421.1	385.2	356.7	339.8	332.4	340.9	351.4	352.5
57.5°	5724.1	4381.7	703.9	419.0	375.7	352.5	332.4	315.5	320.8	327.2	330.3
60°	6338.3	4950.5	924.5	423.2	371.5	343.0	317.7	295.5	294.4	298.7	299.7
62.5°	7159.3	5724.1	1172.5	430.6	381.0	331.4	295.5	272.3	268.1	270.2	271.2
65°	7787.3	6093.5	1094.4	424.2	401.0	322.9	274.4	250.1	241.7	239.6	239.6
67.5°	7531.9	5604.8	761.9	407.4	410.5	324.0	257.5	226.9	216.3	211.1	210.0
70°	6409.0	4552.7	529.8	390.5	400.0	321.9	239.6	207.9	194.2	186.8	185.7
72.5°	5063.5	3476.3	428.5	356.7	363.0	290.2	213.2	186.8	175.2	165.7	165.7
75°	3258.9	2121.2	357.8	317.7	296.5	225.8	184.7	166.7	155.1	145.6	145.6
77.5°	1096.5	787.3	277.6	269.1	221.6	169.9	155.1	143.5	134.0	125.6	124.5
80°	445.3	373.6	203.7	203.7	155.1	129.8	121.4	116.1	109.8	99.2	99.2
82.5°	258.6	226.9	142.5	123.5	103.4	89.7	84.4	79.1	79.1	71.8	71.8
85°	124.5	125.6	85.5	76.0	59.1	51.7	49.6	46.4	45.4	41.2	40.1
87.5°	67.5	68.6	43.3	33.8	23.2	20.1	16.9	15.8	14.8	13.7	13.7
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)