

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: P633306

Luminaire Tested: GWS-SA2E-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633306
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-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14296.6 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

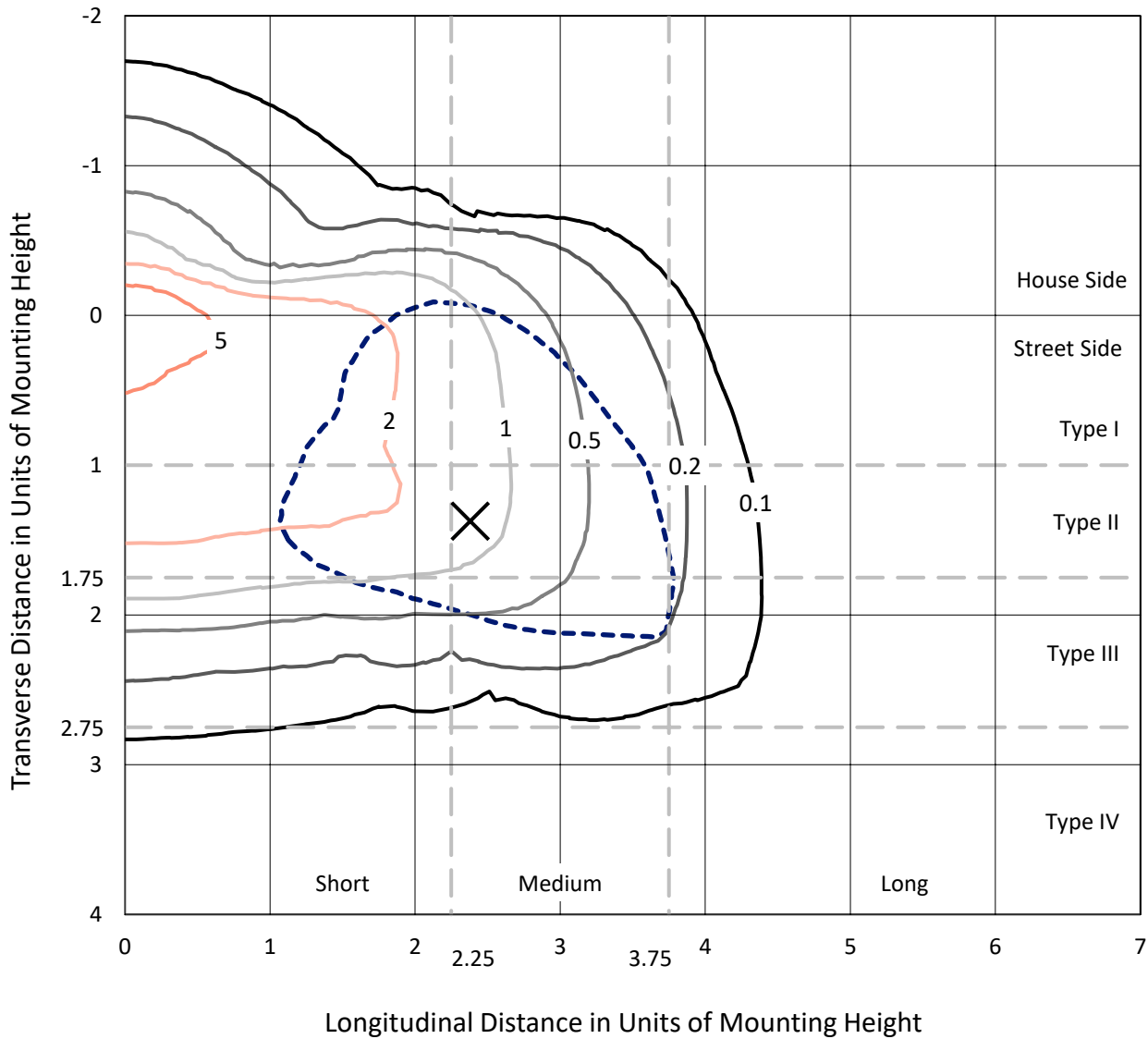
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

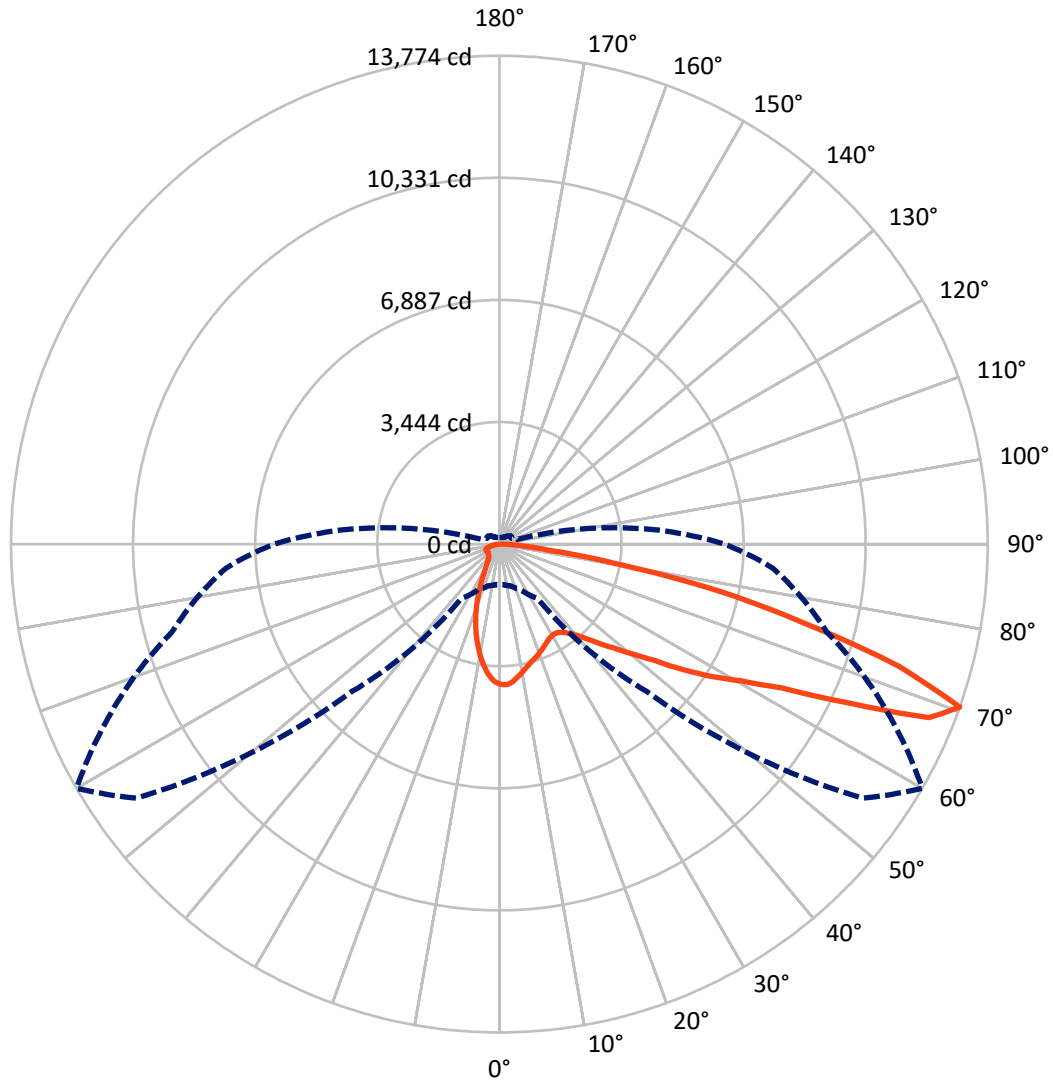
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.9 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	2445.1	0.0	2445.1
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	11851.5	0.0	11851.5
	% Fixture	82.9	0.0	82.9
Total	Lumens	14296.6	0.0	14296.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.0	2.4
10°-20°	763.9	5.3
20°-30°	978.4	6.8
30°-40°	1285.8	9.0
40°-50°	1865.5	13.0
50°-60°	2910.6	20.4
60°-70°	3810.5	26.7
70°-80°	2107.1	14.7
80°-90°	233.8	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°	14296.6	100.0
0°-180°	14296.6	100.0

Coefficient of Utilization



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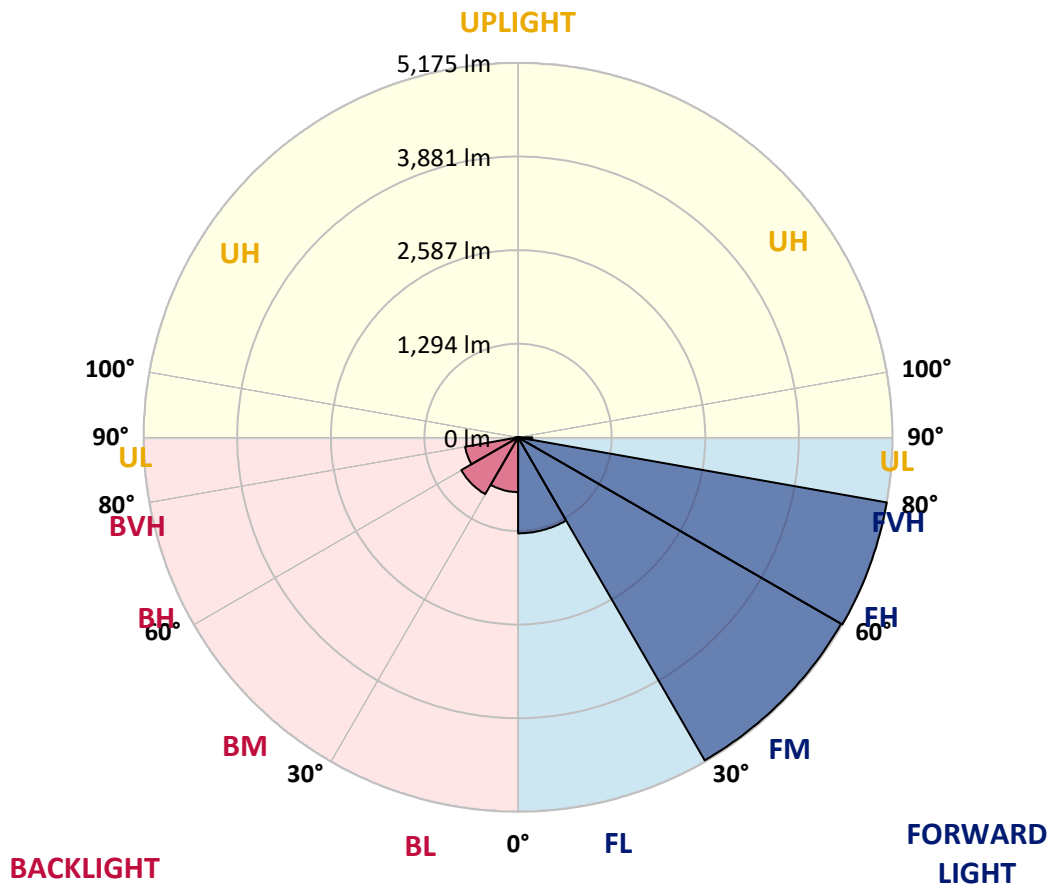
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1326.8	9.3			
FM (30°-60°)	5155.3	36.1			
FH (60°-80°)	5174.6	36.2			G3/7500
FVH (80°-90°)	194.9	1.4			G2/225
BL (0°-30°)	756.5	5.3	B2/1000		
BM (30°-60°)	906.6	6.3	B1/1000		
BH (60°-80°)	743.0	5.2	B2/1000		G2/1000
BVH (80°-90°)	39.0	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°	3956.1	3956.1	3956.1	3956.1	3956.1	3956.1	3956.1	3956.1	3956.1	3956.1	3956.1
2.5°	3900.6	3904.8	3916.3	3933.0	3949.8	3958.1	3979.1	3972.8	3968.6	3960.2	3949.8
5°	3728.0	3736.4	3746.8	3779.3	3815.9	3845.2	3892.2	3897.5	3899.6	3903.8	3887.0
7.5°	3508.4	3510.4	3535.6	3578.4	3626.6	3676.8	3755.2	3777.2	3796.0	3816.9	3803.3
10°	3265.7	3270.9	3289.7	3351.5	3434.1	3508.4	3614.0	3650.6	3690.4	3736.4	3717.6
12.5°	3066.9	3068.0	3098.3	3164.2	3254.2	3354.6	3486.4	3530.3	3582.6	3654.8	3638.1
15°	2909.0	2909.0	2937.2	2993.7	3097.3	3215.5	3372.4	3428.9	3500.0	3597.3	3568.0
17.5°	2783.5	2784.5	2802.3	2861.9	2954.0	3084.7	3270.9	3347.3	3425.7	3554.4	3510.4
20°	2717.6	2712.3	2715.5	2752.1	2830.5	2957.1	3169.4	3258.4	3364.0	3525.1	3458.1
22.5°	2714.4	2705.0	2691.4	2694.6	2740.6	2845.2	3060.7	3168.4	3301.2	3501.0	3404.8
25°	2767.8	2757.3	2733.3	2706.1	2701.9	2764.6	2958.1	3080.5	3236.4	3490.6	3353.5
27.5°	2857.7	2850.4	2819.0	2778.2	2735.3	2733.3	2880.7	3008.4	3189.3	3501.0	3316.9
30°	2977.0	2964.4	2944.6	2892.3	2827.4	2760.5	2850.4	2969.7	3157.9	3534.5	3301.2
32.5°	3111.9	3104.6	3085.8	3033.5	2964.4	2857.7	2874.5	2978.0	3157.9	3593.1	3304.4
35°	3255.2	3254.2	3254.2	3219.7	3143.3	3010.5	2969.7	3049.2	3206.1	3687.2	3337.9
37.5°	3394.3	3393.3	3426.8	3439.3	3352.5	3209.2	3131.8	3191.4	3311.7	3826.3	3420.5
40°	3507.3	3511.5	3584.7	3647.5	3599.4	3466.5	3357.7	3388.1	3483.3	4024.0	3564.8
42.5°	3621.3	3632.8	3742.7	3853.5	3872.4	3757.3	3647.5	3665.3	3729.1	4285.6	3780.3
45°	3745.8	3751.0	3904.8	4059.6	4150.6	4082.6	3992.7	4016.7	4031.4	4608.8	4101.5
47.5°	3866.1	3879.7	4078.4	4290.8	4463.4	4457.1	4406.9	4399.6	4402.7	5002.1	4481.2
50°	4030.3	4050.2	4283.5	4539.7	4792.9	4909.0	4923.6	4868.2	4845.2	5439.3	4954.0
52.5°	4342.0	4342.0	4551.2	4803.3	5143.3	5430.9	5529.3	5438.3	5365.0	5901.7	5456.0
55°	4732.2	4748.9	4915.3	5119.2	5550.2	5980.1	6312.7	6212.3	6005.2	6404.8	5982.2
57.5°	4905.8	4926.8	5190.4	5507.3	6082.6	6604.6	7065.9	7030.3	6728.0	6927.8	6528.2
60°	4592.0	4636.0	4998.9	5530.3	6564.8	7611.9	7937.2	7833.7	7401.6	7477.0	7120.3
62.5°	3830.5	3878.6	4281.4	5023.0	6497.9	8700.8	9310.6	8928.8	8242.7	8170.5	7909.0
65°	2285.6	2283.5	2767.8	3751.0	5672.6	9003.1	11484.3	10771.9	9541.8	9122.4	8720.7
67.5°	1452.9	1449.8	1551.3	1987.4	3775.1	8262.5	12881.8	13066.9	11306.4	9822.1	8787.6
70°	1146.4	1145.4	1218.6	1417.4	1867.1	5879.7	12492.6	13774.0	12372.3	9555.4	7737.4
72.5°	835.8	837.9	950.8	1187.2	1440.4	2951.9	10116.1	11785.5	11379.7	8435.1	6281.4
75°	600.4	603.6	671.5	909.0	1328.4	1614.0	6727.0	8861.9	8657.9	6761.5	4321.1
77.5°	381.8	386.0	445.6	637.0	1073.2	1303.3	4078.4	6256.3	5760.4	3809.6	1536.6
80°	233.3	246.9	297.1	474.9	857.7	978.0	2038.7	3296.0	2884.9	1045.0	516.7
82.5°	120.3	130.8	178.9	293.9	591.0	858.8	1153.8	1384.9	893.3	437.2	275.1
85°	37.7	43.9	62.8	119.2	281.4	532.4	763.6	688.3	410.0	206.1	127.6
87.5°	9.4	9.4	10.5	10.5	11.5	24.1	147.5	155.9	108.8	64.9	52.3
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°	3956.1	3956.1	3956.1	3956.1	3956.1	3956.1	3956.1	3956.1	3956.1	3956.1	3956.1
2.5°	3928.9	3903.8	3893.3	3892.2	3866.1	3828.4	3803.3	3785.6	3775.1	3773.0	3773.0
5°	3858.8	3826.3	3783.5	3751.0	3681.0	3609.8	3550.2	3516.7	3478.0	3472.8	3471.7
7.5°	3765.7	3718.6	3637.0	3546.0	3423.6	3305.4	3205.0	3137.0	3069.0	3056.5	3052.3
10°	3665.3	3601.5	3462.3	3302.3	3119.2	2942.5	2788.7	2668.4	2588.9	2532.4	2522.0
12.5°	3565.9	3481.2	3277.2	3038.7	2787.6	2546.0	2314.8	2118.2	1975.9	1893.3	1878.7
15°	3472.8	3354.6	3075.3	2770.9	2444.6	2114.0	1786.6	1531.4	1331.6	1260.5	1243.7
17.5°	3388.1	3240.6	2879.7	2493.7	2086.8	1654.8	1282.4	1055.4	938.3	902.7	894.3
20°	3303.3	3123.4	2681.0	2201.9	1707.1	1222.8	937.2	830.5	786.6	773.0	768.8
22.5°	3212.3	2994.8	2464.4	1914.2	1323.2	915.3	766.7	719.7	706.1	707.1	706.1
25°	3121.3	2864.0	2237.4	1601.5	985.4	742.7	669.5	651.7	654.8	664.2	666.3
27.5°	3046.0	2747.9	2014.6	1258.4	769.9	639.1	604.6	603.6	615.1	627.6	629.7
30°	2991.6	2644.3	1795.0	967.6	633.9	568.0	554.4	560.7	574.3	583.7	586.8
32.5°	2952.9	2555.4	1560.7	760.5	555.4	517.8	511.5	517.8	526.1	535.6	537.7
35°	2939.3	2490.6	1330.5	620.3	502.1	481.2	477.0	480.1	484.3	489.5	491.6
37.5°	2969.7	2458.2	1090.0	539.7	469.7	457.1	450.8	448.7	449.8	451.9	452.9
40°	3059.6	2472.8	893.3	492.7	448.7	437.2	426.8	422.6	421.5	423.6	422.6
42.5°	3214.4	2534.5	751.0	465.5	432.0	415.3	403.8	399.6	399.6	404.8	404.8
45°	3441.4	2655.8	648.5	445.6	417.4	396.4	383.9	381.8	386.0	394.4	395.4
47.5°	3774.0	2833.7	586.8	431.0	403.8	379.7	367.2	366.1	374.5	388.1	389.1
50°	4168.4	3089.9	553.3	420.5	394.4	366.1	353.6	354.6	364.0	378.7	381.8
52.5°	4643.3	3439.3	555.4	416.3	389.1	357.7	345.2	343.1	352.5	367.2	370.3
55°	5133.9	3864.0	596.2	417.4	381.8	353.6	336.8	329.5	337.9	348.3	349.4
57.5°	5673.6	4343.1	697.7	415.3	372.4	349.4	329.5	312.8	318.0	324.3	327.4
60°	6282.4	4906.9	916.3	419.5	368.2	340.0	314.9	292.9	291.8	296.0	297.1
62.5°	7096.2	5673.6	1162.1	426.8	377.6	328.5	292.9	269.9	265.7	267.8	268.8
65°	7718.6	6039.7	1084.7	420.5	397.5	320.1	272.0	247.9	239.5	237.4	237.4
67.5°	7465.5	5555.4	755.2	403.8	406.9	321.1	255.2	224.9	214.4	209.2	208.2
70°	6352.5	4512.5	525.1	387.0	396.4	319.0	237.4	206.1	192.5	185.1	184.1
72.5°	5018.8	3445.6	424.7	353.6	359.8	287.7	211.3	185.1	173.6	164.2	164.2
75°	3230.1	2102.5	354.6	314.9	293.9	223.8	183.1	165.3	153.8	144.4	144.4
77.5°	1086.8	780.3	275.1	266.7	219.7	168.4	153.8	142.3	132.8	124.5	123.4
80°	441.4	370.3	201.9	201.9	153.8	128.7	120.3	115.1	108.8	98.3	98.3
82.5°	256.3	224.9	141.2	122.4	102.5	88.9	83.7	78.5	78.5	71.1	71.1
85°	123.4	124.5	84.7	75.3	58.6	51.3	49.2	46.0	45.0	40.8	39.7
87.5°	66.9	68.0	42.9	33.5	23.0	19.9	16.7	15.7	14.6	13.6	13.6
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)