

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: P635282

Luminaire Tested: GWS-SA3D-740-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635282  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-740-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

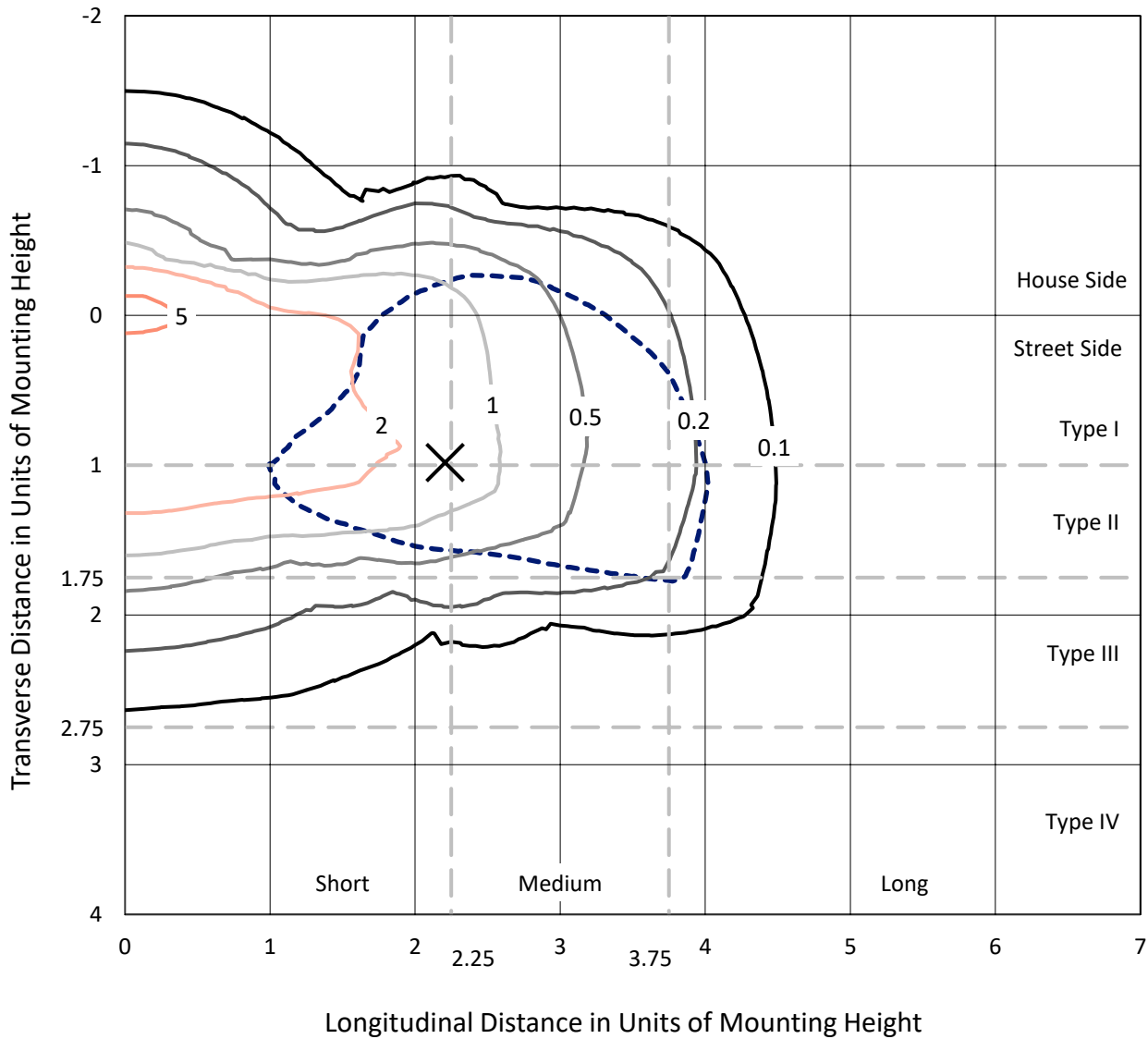
Lumens per Lamp: N/A  
Luminaire Lumens: 17293.5 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

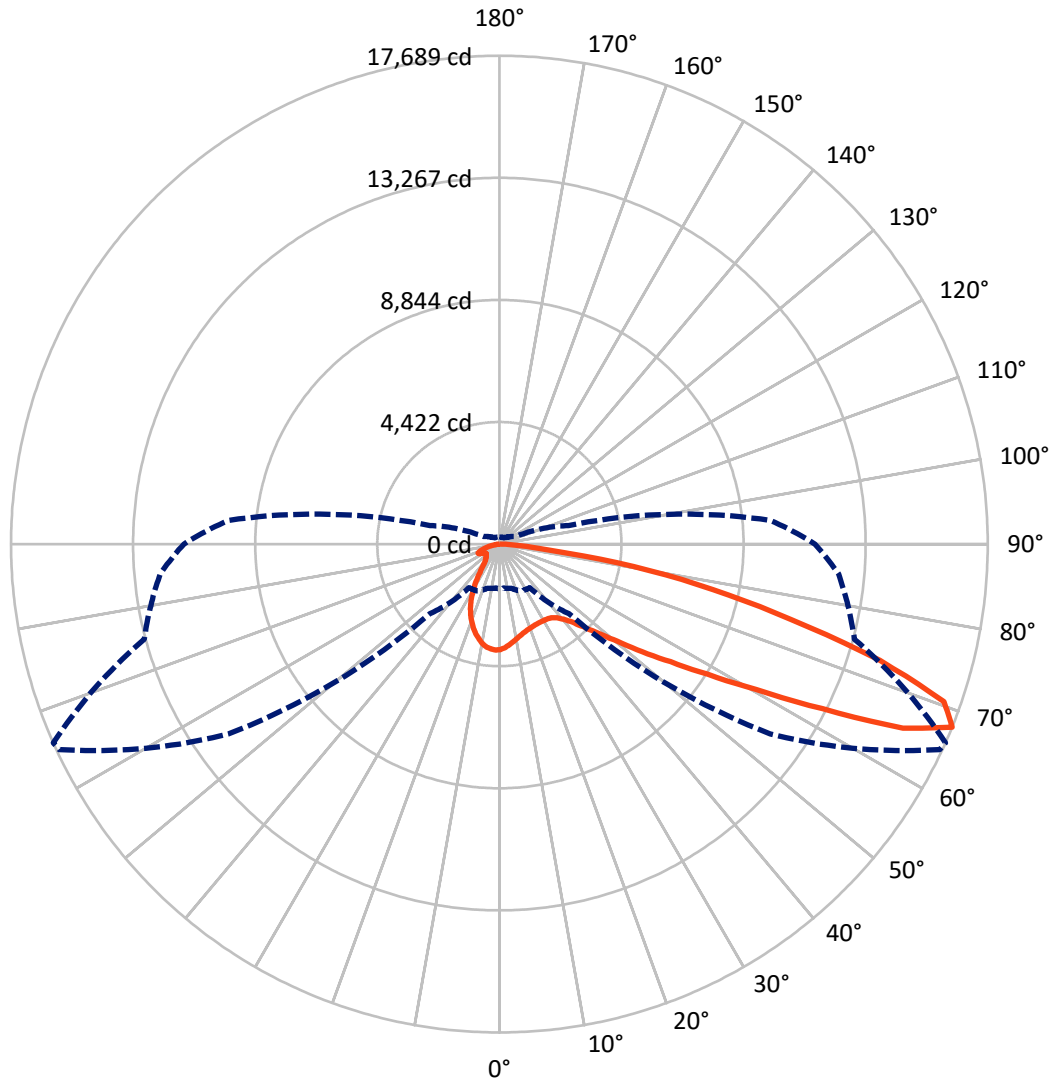
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3509.3	0.0	3509.3
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	13784.2	0.0	13784.2
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	17293.5	0.0	17293.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.4	1.9
10°-20°	824.2	4.8
20°-30°	1132.9	6.6
30°-40°	1548.9	9.0
40°-50°	2347.0	13.6
50°-60°	3648.4	21.1
60°-70°	4441.9	25.7
70°-80°	2705.8	15.6
80°-90°	309.1	1.8
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°	17293.5	100.0
0°-180°	17293.5	100.0

**Coefficient of Utilization**



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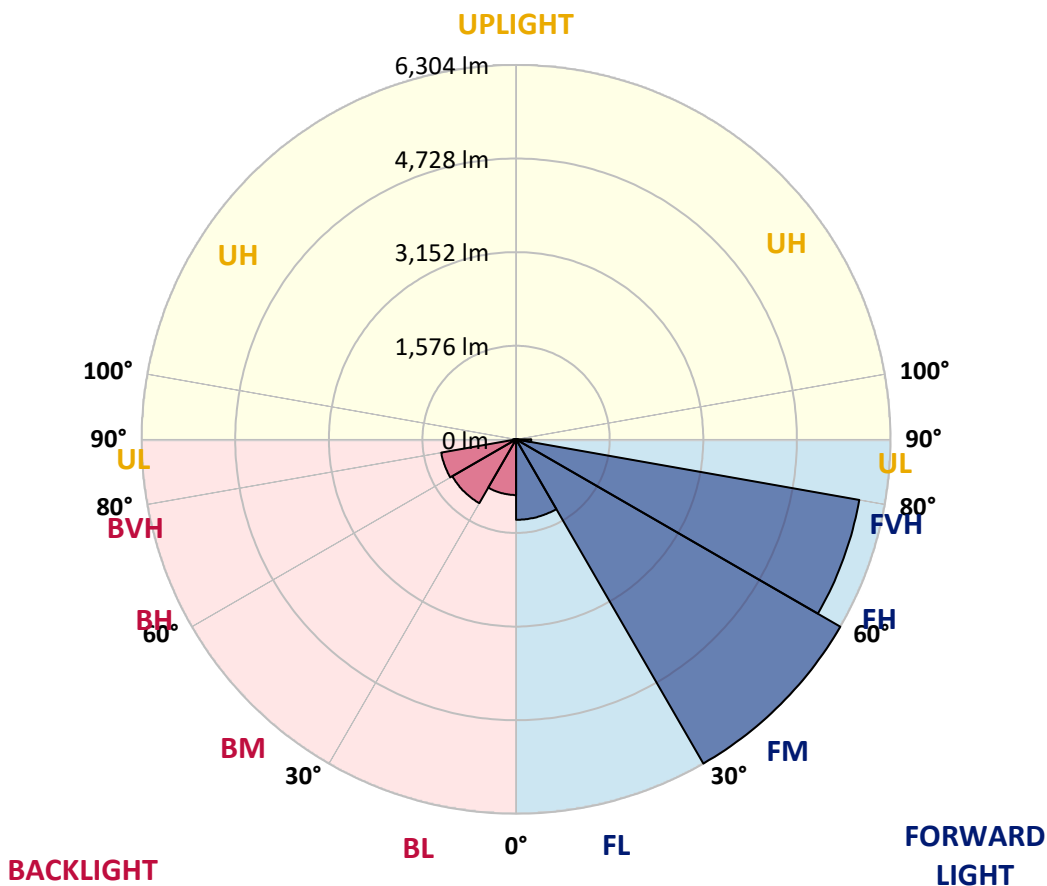
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1355.0	7.8			
FM (30°-60°)	6304.1	36.5			
FH (60°-80°)	5868.1	33.9			G3/7500
FVH (80°-90°)	257.0	1.5			G3/500
BL (0°-30°)	937.5	5.4	B2/1000		
BM (30°-60°)	1240.1	7.2	B2/2500		
BH (60°-80°)	1279.5	7.4	B3/2500		G3/2500
BVH (80°-90°)	52.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3821.4	3821.4	3821.4	3821.4	3821.4	3821.4	3821.4	3821.4	3821.4	3821.4	3821.4
2.5°	3579.1	3591.8	3584.2	3632.1	3634.7	3695.2	3729.3	3758.3	3760.8	3798.7	3823.9
5°	3334.4	3342.0	3342.0	3387.4	3417.7	3498.4	3576.6	3659.9	3666.2	3757.0	3826.4
7.5°	3136.3	3143.9	3138.8	3199.4	3238.5	3328.1	3427.8	3555.2	3567.8	3714.1	3835.3
10°	2981.1	2978.6	2991.2	3046.8	3097.2	3204.5	3315.5	3460.6	3479.5	3664.9	3845.3
12.5°	2875.2	2877.7	2885.3	2943.3	2997.6	3103.5	3218.3	3376.0	3396.2	3608.2	3840.3
15°	2824.7	2819.7	2826.0	2879.0	2930.7	3024.0	3142.6	3305.4	3325.6	3557.7	3841.6
17.5°	2813.4	2809.6	2808.3	2846.2	2885.3	2972.3	3085.9	3251.1	3272.6	3524.9	3849.1
20°	2848.7	2843.6	2829.8	2846.2	2862.6	2935.7	3045.5	3212.0	3236.0	3503.5	3864.3
22.5°	2945.8	2937.0	2915.5	2895.4	2873.9	2918.1	3020.3	3183.0	3207.0	3489.6	3879.4
25°	3093.4	3085.9	3063.2	3017.7	2939.5	2931.9	3015.2	3170.4	3194.4	3479.5	3885.7
27.5°	3296.5	3285.2	3262.5	3196.9	3069.5	2983.7	3034.1	3169.1	3191.8	3468.1	3879.4
30°	3537.5	3529.9	3517.3	3437.8	3267.5	3093.4	3077.0	3179.2	3196.9	3461.8	3866.8
32.5°	3782.3	3774.7	3784.8	3746.9	3537.5	3275.1	3170.4	3207.0	3219.6	3460.6	3855.4
35°	3998.0	4006.8	4080.0	4086.3	3880.7	3521.1	3318.0	3271.3	3273.8	3485.8	3860.5
37.5°	4223.8	4257.9	4353.8	4435.8	4264.2	3846.6	3537.5	3392.4	3389.9	3550.1	3892.0
40°	4522.8	4538.0	4660.3	4814.2	4707.0	4293.2	3849.1	3590.5	3572.8	3681.3	3976.5
42.5°	4814.2	4850.8	5046.4	5223.0	5187.7	4796.6	4241.5	3887.0	3855.4	3913.5	4150.6
45°	5185.2	5220.5	5440.0	5667.1	5731.4	5365.6	4743.6	4308.3	4276.8	4262.9	4469.8
47.5°	5556.1	5592.7	5789.5	6117.5	6343.3	6077.1	5397.1	4864.7	4813.0	4758.7	4951.8
50°	5805.9	5848.8	6036.7	6430.4	6960.2	6965.3	6171.7	5593.9	5528.3	5442.5	5630.5
52.5°	5797.0	5824.8	6003.9	6458.1	7404.3	7985.9	7208.8	6522.4	6469.5	6282.7	6446.8
55°	5341.6	5383.2	5563.6	6131.4	7452.2	8953.5	8732.8	7617.5	7522.9	7188.6	7369.0
57.5°	4426.9	4462.3	4643.9	5344.1	7027.1	9449.3	10668.1	9012.8	8882.9	8175.1	8383.3
60°	3342.0	3299.1	3384.9	3998.0	6010.2	9462.0	12376.3	10905.2	10688.2	9229.8	9403.9
62.5°	2508.1	2465.2	2484.1	2656.9	4075.0	8697.4	13350.2	13494.0	13135.7	10420.8	10386.7
65°	1982.0	1958.0	2012.2	2130.8	2375.6	6623.4	13357.8	16293.5	16067.7	11801.0	11394.7
67.5°	1614.8	1599.7	1655.2	1874.7	1926.5	3559.0	11977.6	17600.5	17688.8	13312.4	12329.6
70°	1300.7	1278.0	1365.0	1654.0	1791.5	2153.5	8580.1	16934.4	17077.0	14213.1	12065.9
72.5°	898.3	899.5	943.7	1339.8	1729.6	1859.6	4853.4	14100.9	14409.9	13396.9	10607.5
75°	605.6	610.6	623.2	884.4	1593.4	1804.1	2586.3	10675.6	10893.9	11073.0	8768.1
77.5°	365.9	368.4	397.4	534.9	1098.8	1684.2	1752.4	7738.6	7910.2	7299.6	5435.0
80°	211.9	220.8	247.3	358.3	741.8	1265.4	1356.2	4744.9	4939.1	3244.8	1727.1
82.5°	93.4	99.7	135.0	208.2	432.7	1076.1	1058.5	1874.7	1847.0	904.6	599.3
85°	16.4	20.2	29.0	65.6	159.0	567.7	821.3	827.6	778.4	343.2	248.5
87.5°	0.0	0.0	0.0	0.0	0.0	3.8	123.6	222.0	220.8	97.1	85.8
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°	3821.4	3821.4	3821.4	3821.4	3821.4	3821.4	3821.4	3821.4	3821.4	3821.4	3821.4
2.5°	3840.3	3806.2	3836.5	3840.3	3834.0	3828.9	3791.1	3758.3	3754.5	3719.2	3719.2
5°	3854.2	3822.6	3837.8	3808.8	3763.3	3716.7	3635.9	3580.4	3555.2	3509.8	3509.8
7.5°	3873.1	3840.3	3822.6	3750.7	3644.7	3542.6	3412.6	3304.1	3260.0	3195.6	3193.1
10°	3890.8	3849.1	3788.6	3648.5	3479.5	3316.7	3127.5	2973.6	2868.9	2791.9	2791.9
12.5°	3889.5	3835.3	3715.4	3508.5	3275.1	3039.2	2786.9	2554.7	2416.0	2296.1	2288.5
15°	3887.0	3812.5	3622.0	3345.8	3036.7	2709.9	2366.8	2064.0	1858.3	1741.0	1730.9
17.5°	3884.5	3783.5	3517.3	3160.3	2746.5	2301.2	1848.2	1520.2	1348.6	1276.7	1279.3
20°	3884.5	3750.7	3405.0	2947.1	2412.2	1811.7	1356.2	1117.8	1074.9	1078.7	1082.4
22.5°	3873.1	3710.4	3280.1	2715.0	2040.0	1332.2	1000.4	919.7	942.4	977.7	982.8
25°	3846.6	3643.5	3135.1	2457.6	1597.2	970.2	816.3	801.1	842.7	886.9	899.5
27.5°	3805.0	3566.5	2972.3	2156.1	1175.8	779.7	717.8	716.6	749.4	782.2	793.5
30°	3760.8	3480.7	2800.7	1820.5	851.6	678.7	654.8	654.8	671.2	691.4	688.8
32.5°	3709.1	3393.7	2616.5	1471.0	693.9	622.0	614.4	610.6	613.1	620.7	620.7
35°	3664.9	3316.7	2427.3	1101.4	622.0	590.4	582.9	574.0	570.2	565.2	567.7
37.5°	3648.5	3256.2	2231.8	830.1	586.6	567.7	555.1	542.5	533.7	531.1	529.9
40°	3675.0	3230.9	2036.2	683.8	561.4	543.7	529.9	513.5	505.9	505.9	505.9
42.5°	3778.5	3249.9	1836.9	618.2	543.7	523.6	503.4	488.2	485.7	488.2	489.5
45°	3967.7	3323.0	1630.0	585.4	528.6	503.4	479.4	468.1	468.1	470.6	470.6
47.5°	4305.8	3514.8	1425.6	565.2	513.5	487.0	461.7	450.4	449.1	451.7	451.7
50°	4891.2	3860.5	1241.4	551.3	502.1	474.4	449.1	434.0	430.2	428.9	428.9
52.5°	5629.2	4459.7	1124.1	541.2	488.2	460.5	435.3	415.1	407.5	403.7	403.7
55°	6521.2	5258.3	1124.1	533.7	470.6	444.1	415.1	394.9	383.5	378.5	378.5
57.5°	7531.7	6188.1	1318.4	527.3	456.7	425.2	393.6	373.4	360.8	353.2	353.2
60°	8559.9	7170.9	1799.0	518.5	444.1	401.2	369.6	350.7	334.3	325.5	324.2
62.5°	9626.0	8253.4	2432.4	523.6	435.3	378.5	344.4	323.0	309.1	300.3	299.0
65°	10602.4	9284.1	2986.2	562.7	436.5	358.3	315.4	296.5	285.1	273.8	272.5
67.5°	11431.3	9853.1	2597.6	642.2	463.0	334.3	286.4	267.5	257.4	249.8	248.5
70°	10851.0	8985.1	1473.5	691.4	499.6	309.1	253.6	241.0	230.9	225.8	224.6
72.5°	9279.0	7607.4	985.3	610.6	455.4	276.3	223.3	213.2	205.6	199.3	198.1
75°	7516.6	6032.9	753.2	500.9	354.5	224.6	191.8	184.2	176.6	170.3	169.1
77.5°	4447.1	3485.8	555.1	396.1	249.8	175.4	159.0	152.7	145.1	140.0	138.8
80°	1419.3	1211.1	352.0	272.5	165.3	135.0	122.4	117.3	109.8	103.5	102.2
82.5°	541.2	468.1	186.7	138.8	109.8	92.1	82.0	77.0	71.9	65.6	64.3
85°	239.7	224.6	103.5	74.4	59.3	45.4	40.4	37.8	31.5	26.5	25.2
87.5°	84.5	84.5	44.2	21.4	12.6	6.3	3.8	1.3	0.0	0.0	0.0
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)