

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: P635392

Luminaire Tested: GWS-SA3D-760-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635392  
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-760-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

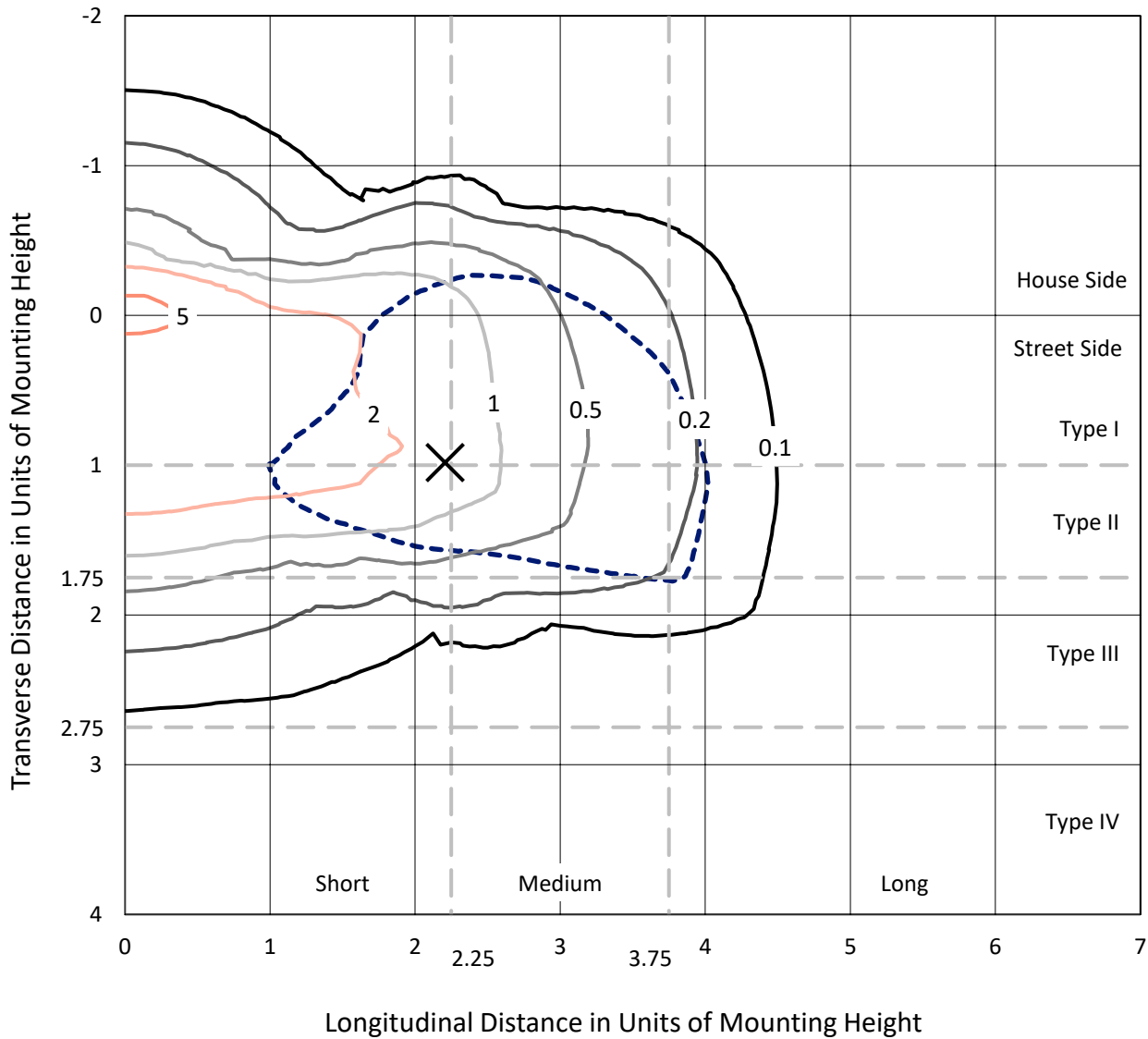
Lumens per Lamp: N/A  
Luminaire Lumens: 17447.3 lumens  
Efficiency: N/A  
Efficacy: 144.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

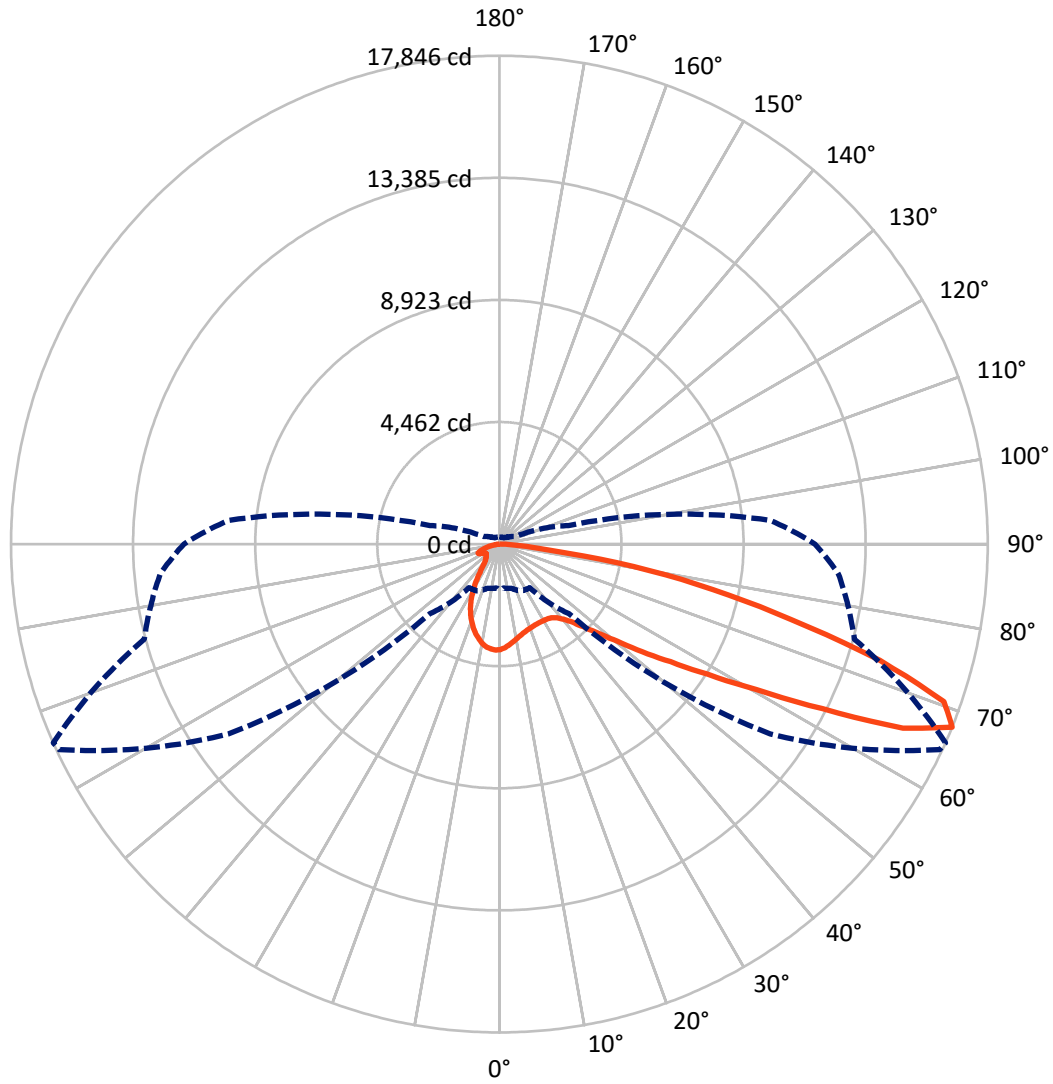
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	3540.5	0.0	3540.5
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	13906.8	0.0	13906.8
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	17447.3	0.0	17447.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.4	1.9
10°-20°	831.6	4.8
20°-30°	1143.0	6.6
30°-40°	1562.7	9.0
40°-50°	2367.8	13.6
50°-60°	3680.9	21.1
60°-70°	4481.4	25.7
70°-80°	2729.8	15.6
80°-90°	311.8	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°	17447.3	100.0
0°-180°	17447.3	100.0

**Coefficient of Utilization**



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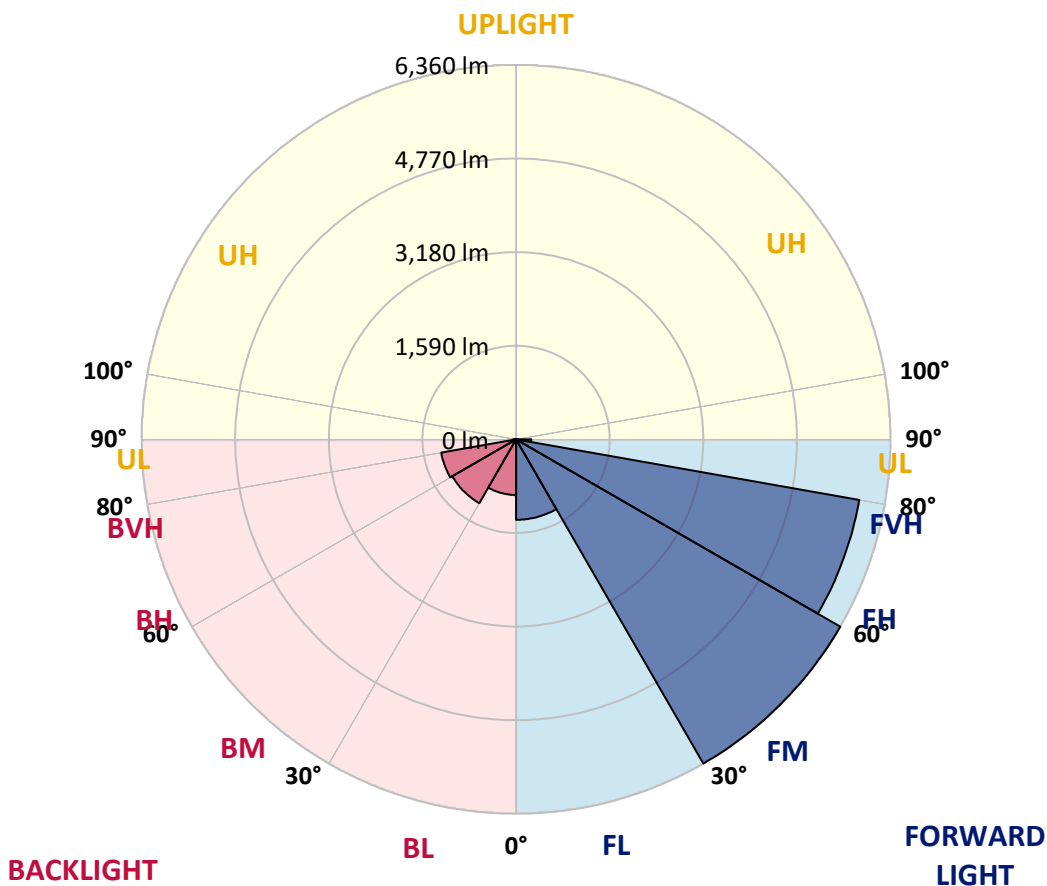
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1367.1	7.8			
FM (30°-60°)	6360.2	36.5			
FH (60°-80°)	5920.3	33.9			G3/7500
FVH (80°-90°)	259.2	1.5			G3/500
BL (0°-30°)	945.8	5.4	B2/1000		
BM (30°-60°)	1251.2	7.2	B2/2500		
BH (60°-80°)	1290.9	7.4	B3/2500		G3/2500
BVH (80°-90°)	52.6	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°	3855.4	3855.4	3855.4	3855.4	3855.4	3855.4	3855.4	3855.4	3855.4	3855.4	3855.4
2.5°	3611.0	3623.7	3616.1	3664.4	3667.0	3728.1	3762.4	3791.7	3794.3	3832.4	3857.9
5°	3364.1	3371.7	3371.7	3417.5	3448.1	3529.5	3608.4	3692.4	3698.8	3790.4	3860.4
7.5°	3164.2	3171.9	3166.8	3227.9	3267.3	3357.7	3458.2	3586.8	3599.5	3747.2	3869.4
10°	3007.7	3005.1	3017.8	3073.8	3124.8	3233.0	3345.0	3491.3	3510.4	3697.5	3879.5
12.5°	2900.7	2903.3	2910.9	2969.5	3024.2	3131.1	3247.0	3406.1	3426.4	3640.3	3874.5
15°	2849.8	2844.7	2851.1	2904.6	2956.8	3050.9	3170.6	3334.8	3355.1	3589.3	3875.7
17.5°	2838.4	2834.6	2833.3	2871.5	2910.9	2998.8	3113.3	3280.0	3301.7	3556.2	3883.4
20°	2874.0	2868.9	2854.9	2871.5	2888.0	2961.8	3072.6	3240.6	3264.8	3534.6	3898.6
22.5°	2972.0	2963.1	2941.5	2921.1	2899.5	2944.0	3047.1	3211.3	3235.5	3520.6	3913.9
25°	3120.9	3113.3	3090.4	3044.6	2965.7	2958.0	3042.0	3198.6	3222.8	3510.4	3920.3
27.5°	3325.9	3314.4	3291.5	3225.3	3096.8	3010.2	3061.1	3197.3	3220.2	3499.0	3913.9
30°	3569.0	3561.3	3548.6	3468.4	3296.6	3120.9	3104.4	3207.5	3225.3	3492.6	3901.2
32.5°	3815.9	3808.3	3818.4	3780.3	3569.0	3304.2	3198.6	3235.5	3248.2	3491.3	3889.7
35°	4033.6	4042.5	4116.3	4122.6	3915.2	3552.4	3347.5	3300.4	3303.0	3516.8	3894.8
37.5°	4261.4	4295.8	4392.5	4475.2	4302.1	3880.8	3569.0	3422.6	3420.1	3581.7	3926.6
40°	4563.0	4578.3	4701.8	4857.1	4748.9	4331.4	3883.4	3622.4	3604.6	3714.1	4011.9
42.5°	4857.1	4894.0	5091.3	5269.5	5233.8	4839.2	4279.2	3921.5	3889.7	3948.3	4187.6
45°	5231.3	5266.9	5488.4	5717.5	5782.4	5413.3	4785.8	4346.7	4314.8	4300.8	4509.6
47.5°	5605.5	5642.4	5841.0	6171.9	6399.7	6131.2	5445.1	4908.0	4855.8	4801.1	4995.8
50°	5857.5	5900.8	6090.4	6487.5	7022.1	7027.2	6226.6	5643.7	5577.5	5490.9	5680.6
52.5°	5848.6	5876.6	6057.3	6515.5	7470.2	8056.9	7272.9	6580.5	6527.0	6338.6	6504.1
55°	5389.1	5431.1	5613.1	6185.9	7518.5	9033.2	8810.4	7685.3	7589.8	7252.5	7434.5
57.5°	4466.3	4501.9	4685.2	5391.6	7089.6	9533.4	10762.9	9093.0	8961.9	8247.8	8457.9
60°	3371.7	3328.4	3415.0	4033.6	6063.7	9546.1	12486.3	11002.2	10783.3	9311.9	9487.6
62.5°	2530.4	2487.1	2506.2	2680.5	4111.2	8774.8	13468.9	13614.0	13252.6	10513.5	10479.1
65°	1999.6	1975.4	2030.1	2149.8	2396.7	6682.3	13476.6	16438.4	16210.6	11905.9	11496.1
67.5°	1629.2	1613.9	1669.9	1891.4	1943.6	3590.6	12084.1	17757.0	17846.1	13430.7	12439.2
70°	1312.3	1289.4	1377.2	1668.7	1807.4	2172.7	8656.4	17085.0	17228.8	14339.5	12173.2
72.5°	906.2	907.5	952.1	1351.7	1745.0	1876.1	4896.5	14226.3	14538.1	13516.0	10701.8
75°	611.0	616.0	628.8	892.2	1607.6	1820.1	2609.3	10770.6	10990.8	11171.5	8846.1
77.5°	369.1	371.7	400.9	539.7	1108.6	1699.2	1767.9	7807.4	7980.6	7364.5	5483.3
80°	213.8	222.7	249.5	361.5	748.4	1276.6	1368.3	4787.1	4983.1	3273.7	1742.5
82.5°	94.2	100.6	136.2	210.0	436.6	1085.7	1067.9	1891.4	1863.4	912.6	604.6
85°	16.5	20.4	29.3	66.2	160.4	572.8	828.6	835.0	785.3	346.2	250.7
87.5°	0.0	0.0	0.0	0.0	0.0	3.8	124.7	224.0	222.7	98.0	86.6
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°	3855.4	3855.4	3855.4	3855.4	3855.4	3855.4	3855.4	3855.4	3855.4	3855.4	3855.4
2.5°	3874.5	3840.1	3870.6	3874.5	3868.1	3863.0	3824.8	3791.7	3787.9	3752.3	3752.3
5°	3888.5	3856.6	3871.9	3842.6	3796.8	3749.7	3668.3	3612.3	3586.8	3541.0	3541.0
7.5°	3907.5	3874.5	3856.6	3784.1	3677.2	3574.1	3443.0	3333.5	3289.0	3224.0	3221.5
10°	3925.4	3883.4	3822.3	3681.0	3510.4	3346.2	3155.3	3000.0	2894.4	2816.7	2816.7
12.5°	3924.1	3869.4	3748.4	3539.7	3304.2	3066.2	2811.6	2577.5	2437.4	2316.5	2308.9
15°	3921.5	3846.4	3654.3	3375.5	3063.7	2734.0	2387.8	2082.3	1874.9	1756.5	1746.3
17.5°	3919.0	3817.2	3548.6	3188.4	2770.9	2321.6	1864.7	1533.7	1360.6	1288.1	1290.6
20°	3919.0	3784.1	3435.3	2973.3	2433.6	1827.8	1368.3	1127.7	1084.4	1088.3	1092.1
22.5°	3907.5	3743.4	3309.3	2739.1	2058.1	1344.1	1009.3	927.9	950.8	986.4	991.5
25°	3880.8	3675.9	3162.9	2479.4	1611.4	978.8	823.5	808.2	850.2	894.8	907.5
27.5°	3838.8	3598.2	2998.8	2175.2	1186.3	786.6	724.2	723.0	756.1	789.1	800.6
30°	3794.3	3511.7	2825.7	1836.7	859.2	684.8	660.6	660.6	677.1	697.5	695.0
32.5°	3742.1	3423.9	2639.8	1484.1	700.0	627.5	619.9	616.0	618.6	626.2	626.2
35°	3697.5	3346.2	2448.9	1111.2	627.5	595.7	588.0	579.1	575.3	570.2	572.8
37.5°	3681.0	3285.1	2251.6	837.5	591.9	572.8	560.0	547.3	538.4	535.9	534.6
40°	3707.7	3259.7	2054.3	689.9	566.4	548.6	534.6	518.0	510.4	510.4	510.4
42.5°	3812.1	3278.8	1853.2	623.7	548.6	528.2	507.9	492.6	490.0	492.6	493.9
45°	4003.0	3352.6	1644.5	590.6	533.3	507.9	483.7	472.2	472.2	474.8	474.8
47.5°	4344.1	3546.1	1438.3	570.2	518.0	491.3	465.9	454.4	453.1	455.7	455.7
50°	4934.7	3894.8	1252.5	556.2	506.6	478.6	453.1	437.8	434.0	432.8	432.8
52.5°	5679.3	4499.4	1134.1	546.0	492.6	464.6	439.1	418.8	411.1	407.3	407.3
55°	6579.2	5305.1	1134.1	538.4	474.8	448.0	418.8	398.4	386.9	381.8	381.8
57.5°	7598.7	6243.2	1330.1	532.0	460.8	428.9	397.1	376.8	364.0	356.4	356.4
60°	8636.1	7234.7	1815.0	523.1	448.0	404.8	372.9	353.8	337.3	328.4	327.1
62.5°	9711.6	8326.8	2454.0	528.2	439.1	381.8	347.5	325.8	311.8	302.9	301.7
65°	10696.7	9366.6	3012.8	567.7	440.4	361.5	318.2	299.1	287.7	276.2	274.9
67.5°	11533.0	9940.7	2620.7	647.9	467.1	337.3	288.9	269.8	259.7	252.0	250.7
70°	10947.5	9065.0	1486.6	697.5	504.0	311.8	255.8	243.1	232.9	227.8	226.6
72.5°	9361.6	7675.1	994.1	616.0	459.5	278.7	225.3	215.1	207.5	201.1	199.8
75°	7583.4	6086.6	759.9	505.3	357.7	226.6	193.5	185.8	178.2	171.8	170.6
77.5°	4486.7	3516.8	560.0	399.7	252.0	176.9	160.4	154.0	146.4	141.3	140.0
80°	1431.9	1221.9	355.1	274.9	166.7	136.2	123.5	118.4	110.7	104.4	103.1
82.5°	546.0	472.2	188.4	140.0	110.7	92.9	82.7	77.6	72.6	66.2	64.9
85°	241.8	226.6	104.4	75.1	59.8	45.8	40.7	38.2	31.8	26.7	25.5
87.5°	85.3	85.3	44.5	21.6	12.7	6.4	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)