

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: P635893

Luminaire Tested: GWS-SA3E-760-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-760-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21308.4 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

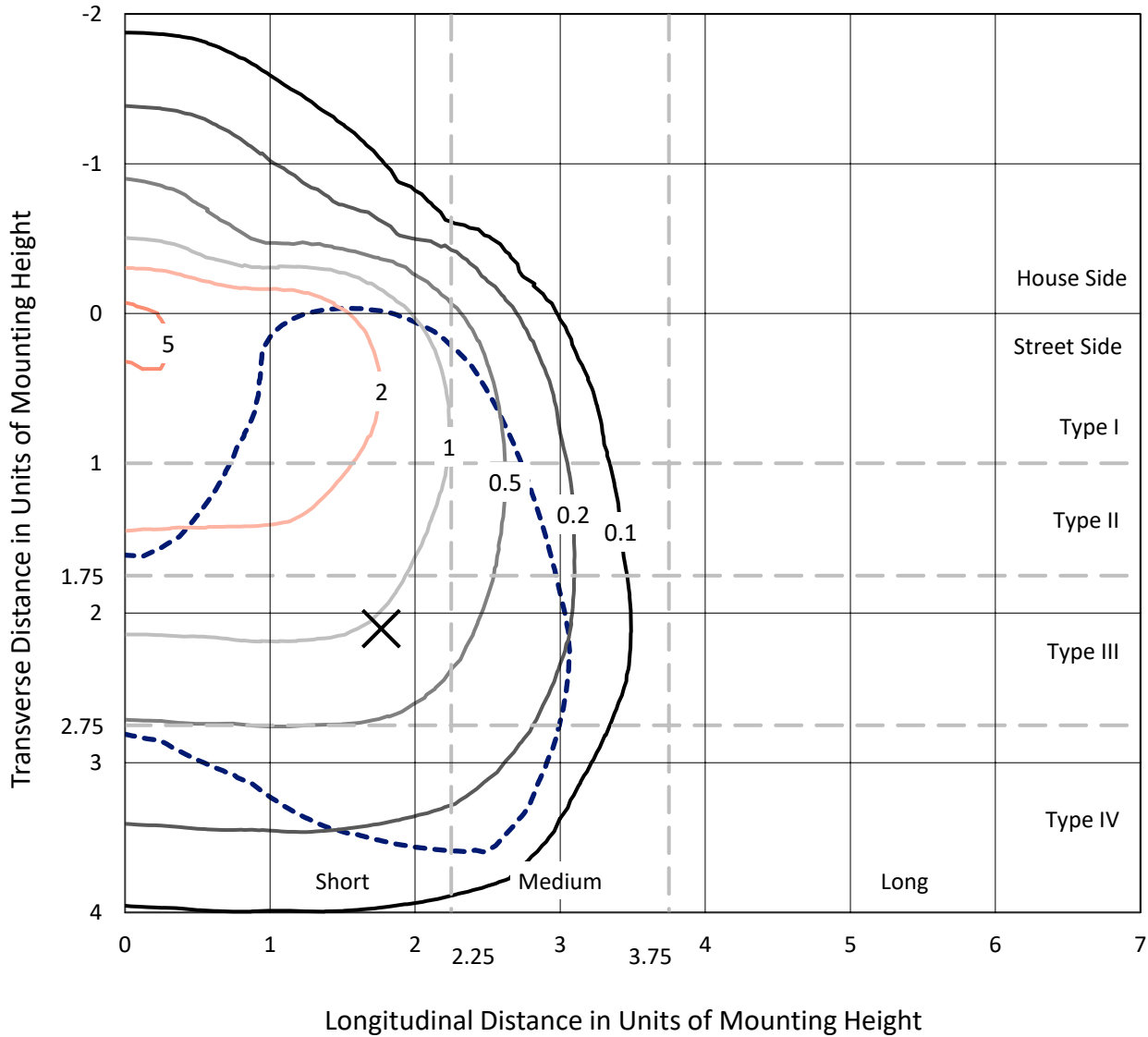
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635893
 CATALOG NUMBER: GWS-SA3E-760-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

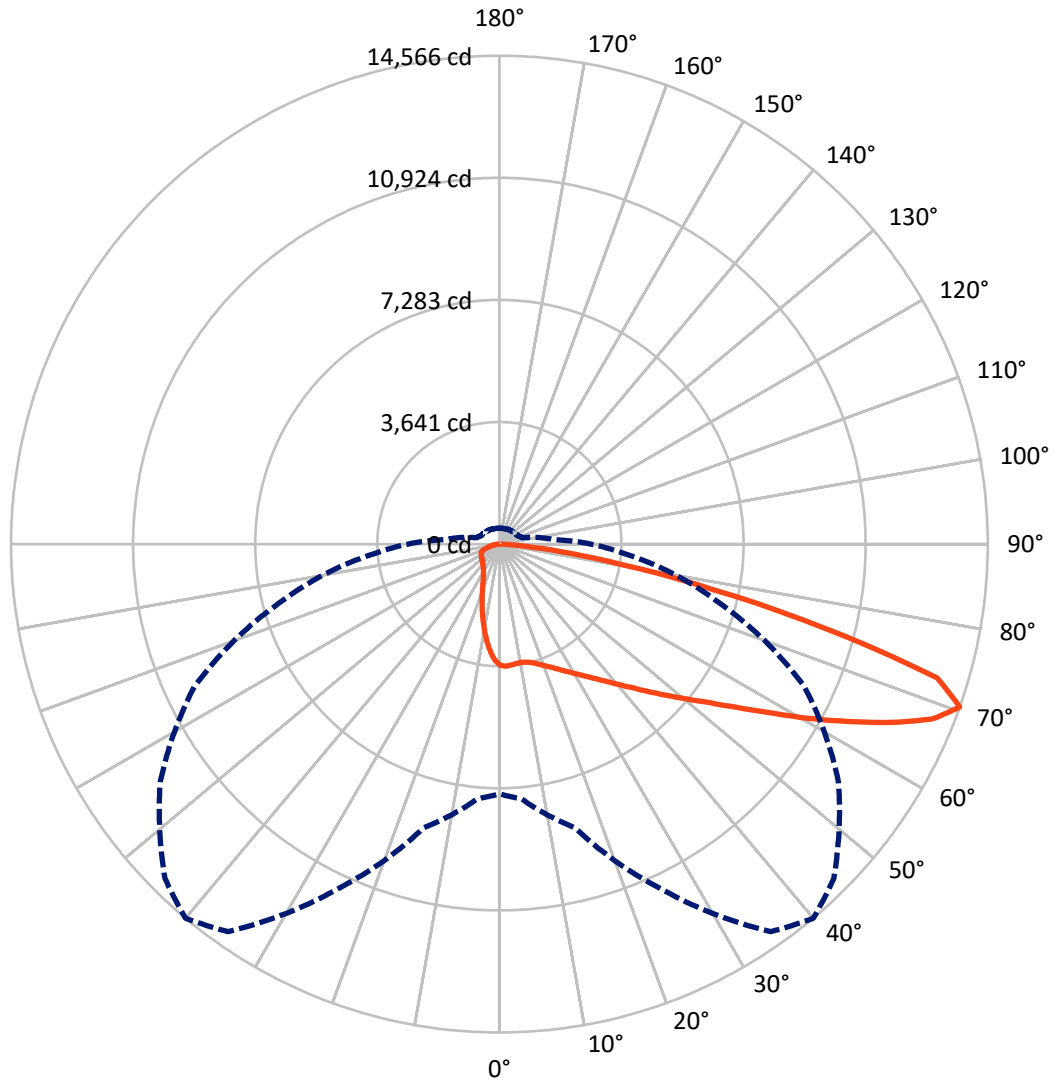
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P635893
CATALOG NUMBER: GWS-SA3E-760-U-SL4-W

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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CATALOG NUMBER: GWS-SA3E-760-U-SL4-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3282.0	0.0	3282.0
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	18026.4	0.0	18026.4
	% Fixture	84.6	0.0	84.6
Total	Lumens	21308.4	0.0	21308.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.7	1.5
10°-20°	833.2	3.9
20°-30°	1308.3	6.1
30°-40°	1967.0	9.2
40°-50°	3036.2	14.2
50°-60°	4509.0	21.2
60°-70°	5683.5	26.7
70°-80°	3286.7	15.4
80°-90°	364.8	1.7
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°	21308.4	100.0
0°-180°	21308.4	100.0

Coefficient of Utilization



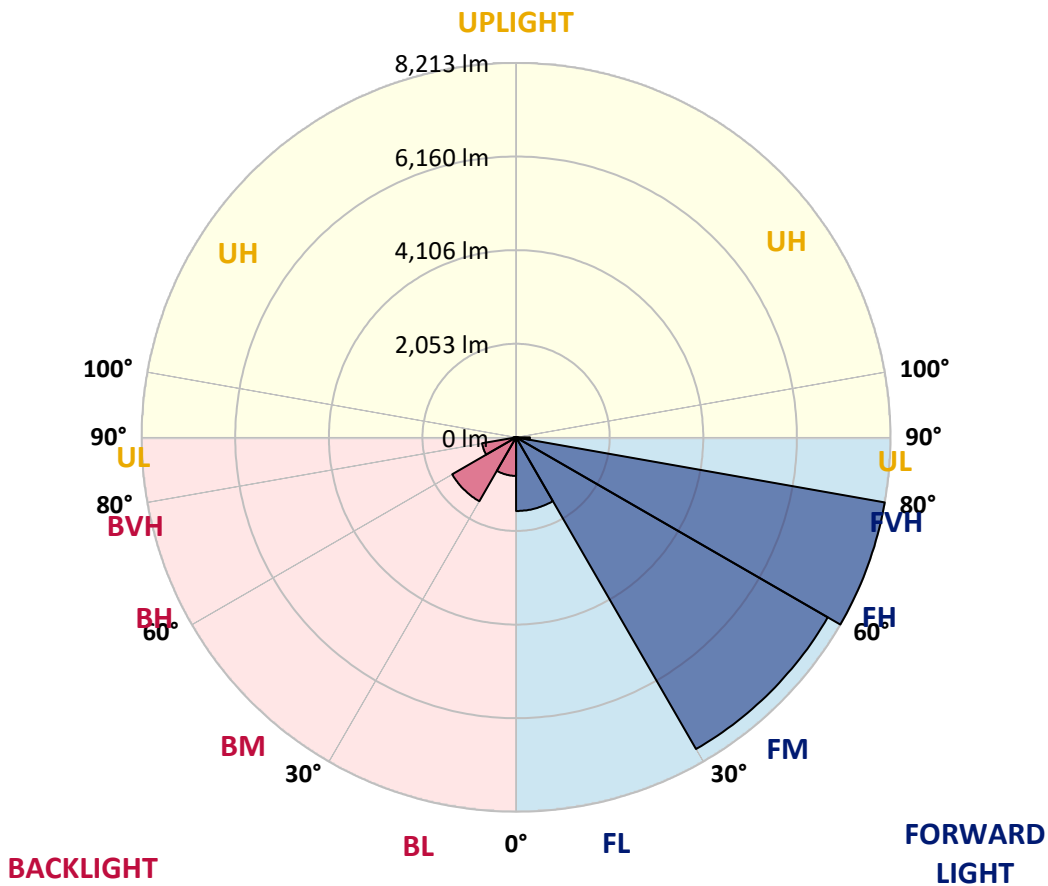
REPORT NUMBER: P635893

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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°)	1615.3	7.6			
FM (30°-60°)	7894.5	37.0			
FH (60°-80°)	8212.8	38.5			G4/12000
FVH (80°-90°)	303.8	1.4			G3/500
BL (0°-30°)	845.8	4.0	B2/1000		
BM (30°-60°)	1617.7	7.6	B2/2500		
BH (60°-80°)	757.5	3.6	B2/1000		G2/1000
BVH (80°-90°)	61.0	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-G4
 Type IV Short





REPORT NUMBER: P635893

CATALOG NUMBER: GWS-SA3E-760-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3618.4	3618.4	3618.4	3618.4	3618.4	3618.4	3618.4	3618.4	3618.4	3618.4	3618.4
2.5°	3640.7	3647.0	3651.8	3658.2	3655.0	3645.4	3653.4	3653.4	3635.9	3616.8	3599.3
5°	3645.4	3653.4	3651.8	3650.2	3637.5	3621.6	3621.6	3612.0	3581.8	3551.6	3523.0
7.5°	3635.9	3634.3	3632.7	3628.0	3613.6	3596.1	3593.0	3573.9	3534.1	3492.8	3451.4
10°	3593.0	3591.4	3596.1	3607.3	3604.1	3588.2	3588.2	3570.7	3524.6	3473.7	3419.6
12.5°	3558.0	3558.0	3577.1	3607.3	3618.4	3612.0	3613.6	3600.9	3548.4	3488.0	3424.4
15°	3562.7	3564.3	3605.7	3655.0	3675.7	3670.9	3672.5	3658.2	3599.3	3538.9	3453.0
17.5°	3594.6	3602.5	3674.1	3742.5	3769.5	3763.1	3752.0	3728.2	3661.4	3593.0	3488.0
20°	3661.4	3674.1	3766.3	3852.2	3884.0	3869.7	3850.6	3802.9	3729.7	3655.0	3526.2
22.5°	3793.4	3801.3	3903.1	3987.4	4012.9	3995.4	3957.2	3888.8	3804.5	3726.6	3572.3
25°	3979.5	3989.0	4086.0	4164.0	4157.6	4136.9	4084.4	4000.1	3899.9	3817.2	3639.1
27.5°	4200.5	4216.4	4311.9	4373.9	4332.5	4302.3	4243.5	4141.7	4028.8	3954.0	3740.9
30°	4442.3	4448.7	4529.8	4591.8	4528.2	4486.8	4415.3	4305.5	4203.7	4148.1	3893.6
32.5°	4676.1	4682.5	4752.4	4787.4	4720.6	4690.4	4628.4	4512.3	4440.7	4410.5	4121.0
35°	4922.6	4921.0	4978.3	5008.5	4940.1	4927.4	4863.8	4774.7	4762.0	4801.8	4453.4
37.5°	5169.2	5154.8	5185.1	5224.8	5186.7	5199.4	5158.0	5127.8	5177.1	5280.5	4895.6
40°	5366.4	5366.4	5398.2	5447.5	5460.2	5515.9	5492.0	5531.8	5690.8	5937.4	5442.7
42.5°	5541.3	5542.9	5609.7	5686.1	5778.3	5864.2	5883.3	5986.7	6315.9	6702.4	6129.8
45°	5724.2	5725.8	5816.5	5927.8	6123.5	6287.3	6325.5	6557.7	7028.5	7499.3	6875.8
47.5°	5935.8	5918.3	6043.9	6230.0	6508.4	6743.8	6842.4	7171.6	7766.5	8345.4	7578.8
50°	6174.4	6137.8	6277.7	6599.0	6942.6	7265.5	7430.9	7807.8	8558.5	9126.3	8240.4
52.5°	6443.2	6422.5	6568.8	6960.1	7484.9	7857.1	8081.4	8576.0	9328.3	9904.1	8765.3
55°	6777.2	6727.9	6939.4	7437.2	8121.1	8595.1	8860.7	9336.3	10169.7	10610.3	9166.1
57.5°	7143.0	7088.9	7372.0	8033.7	8948.2	9468.3	9800.7	10192.0	10961.8	11151.1	9401.5
60°	7537.4	7519.9	7855.5	8733.5	9934.3	10538.7	10778.9	11133.6	11650.5	11464.4	9342.7
62.5°	7898.5	7892.1	8380.4	9492.2	10979.3	11644.1	11835.0	11928.8	12146.7	11443.7	8875.0
65°	8278.6	8332.7	8992.7	10371.7	12176.9	12829.1	12908.6	12670.0	12313.7	10901.4	7917.6
67.5°	8326.3	8431.3	9377.6	11195.6	13312.6	13928.1	13864.5	12951.5	11820.7	9392.0	6206.2
70°	7446.8	7629.7	8763.7	11321.3	14112.6	14565.9	14106.2	12345.5	10031.3	6804.2	3903.1
72.5°	6222.1	6379.5	7381.6	9654.4	13080.4	13657.7	13035.8	10449.7	7088.9	3903.1	1988.1
75°	4843.1	5026.0	5950.1	7674.2	9792.8	10023.4	9711.7	7287.7	3896.7	1609.6	903.4
77.5°	2955.2	3087.2	3806.1	5199.4	6851.9	6506.8	5514.3	4086.0	1709.8	771.4	558.3
80°	1307.4	1388.5	1875.2	2792.9	3958.8	3742.5	2950.4	1744.8	935.2	489.9	389.7
82.5°	701.4	753.9	924.1	1105.4	1738.4	1818.0	1474.4	1005.2	502.6	279.9	222.7
85°	308.6	338.8	419.9	400.8	571.0	561.5	566.2	690.3	240.2	128.8	144.7
87.5°	0.0	0.0	0.0	0.0	1.6	1.6	17.5	92.2	23.9	38.2	33.4
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°	3618.4	3618.4	3618.4	3618.4	3618.4	3618.4	3618.4	3618.4	3618.4	3618.4	3618.4
2.5°	3580.2	3551.6	3543.7	3534.1	3516.6	3486.4	3464.1	3438.7	3427.5	3414.8	3416.4
5°	3491.2	3456.2	3422.8	3379.8	3325.8	3265.3	3224.0	3176.2	3150.8	3126.9	3133.3
7.5°	3414.8	3360.7	3292.4	3201.7	3104.7	2996.5	2909.0	2840.7	2794.5	2762.7	2778.6
10°	3367.1	3303.5	3184.2	3036.3	2872.5	2707.0	2581.4	2463.7	2390.5	2333.3	2330.1
12.5°	3357.6	3274.9	3101.5	2886.8	2649.8	2428.7	2244.2	2085.2	1988.1	1916.6	1943.6
15°	3367.1	3262.1	3029.9	2748.4	2449.4	2150.4	1921.3	1738.4	1622.3	1557.1	1552.3
17.5°	3378.2	3249.4	2948.8	2598.9	2239.4	1897.5	1631.9	1437.8	1318.5	1253.3	1254.9
20°	3387.8	3230.3	2853.4	2435.1	2026.3	1662.1	1386.9	1202.4	1095.9	1048.1	1056.1
22.5°	3403.7	3211.2	2751.6	2260.1	1808.4	1434.6	1192.9	1043.4	979.8	947.9	949.5
25°	3433.9	3200.1	2646.6	2069.3	1593.7	1253.3	1059.3	959.1	919.3	900.2	898.6
27.5°	3495.9	3209.6	2536.9	1884.8	1399.6	1114.9	973.4	908.2	881.1	868.4	866.8
30°	3599.3	3247.8	2441.4	1697.1	1232.6	1006.8	914.5	874.8	858.9	847.7	846.2
32.5°	3756.8	3319.4	2338.0	1522.1	1097.5	927.3	868.4	847.7	836.6	830.2	830.2
35°	3995.4	3449.8	2236.3	1369.4	992.5	865.2	831.8	823.9	814.3	811.2	814.3
37.5°	4338.9	3658.2	2144.0	1235.8	917.7	817.5	792.1	795.3	787.3	792.1	796.8
40°	4774.7	3936.5	2066.1	1126.1	862.1	782.5	757.1	768.2	763.4	768.2	776.2
42.5°	5326.6	4281.7	2007.2	1040.2	822.3	753.9	730.0	741.2	738.0	744.4	752.3
45°	5942.1	4736.5	1980.2	979.8	793.7	733.2	707.8	715.7	712.5	717.3	725.3
47.5°	6532.2	5150.1	2004.0	944.8	769.8	715.7	688.7	691.9	690.3	688.7	693.5
50°	7041.2	5479.3	2072.4	933.6	753.9	698.2	672.8	674.4	669.6	660.1	663.2
52.5°	7456.3	5743.3	2113.8	933.6	745.9	679.1	655.3	656.9	647.3	634.6	636.2
55°	7729.9	5849.9	2080.4	932.0	742.8	663.2	637.8	639.4	629.8	613.9	615.5
57.5°	7807.8	5746.5	1940.4	914.5	739.6	650.5	620.3	623.5	617.1	599.6	599.6
60°	7589.9	5368.0	1684.4	874.8	731.6	642.6	607.6	612.3	609.2	591.7	591.7
62.5°	7018.9	4695.2	1379.0	814.3	709.4	633.0	596.4	606.0	613.9	604.4	602.8
65°	5950.1	3761.6	1121.3	747.5	680.7	617.1	580.5	604.4	621.9	634.6	634.6
67.5°	4464.6	2692.7	914.5	677.6	637.8	585.3	559.9	582.1	594.9	602.8	607.6
70°	2721.4	1584.1	720.5	596.4	575.8	537.6	518.5	496.2	478.7	475.6	477.2
72.5°	1331.3	906.6	585.3	507.4	491.5	456.5	413.5	404.0	396.0	391.3	389.7
75°	733.2	631.4	483.5	421.5	392.9	349.9	340.4	324.5	321.3	314.9	316.5
77.5°	518.5	497.8	399.2	342.0	299.0	276.7	281.5	270.4	270.4	265.6	264.0
80°	389.7	391.3	307.0	249.7	221.1	213.1	217.9	217.9	214.7	213.1	211.5
82.5°	246.5	278.3	206.8	160.6	157.5	159.1	157.5	155.9	159.1	154.3	152.7
85°	170.2	200.4	125.7	95.4	95.4	93.8	97.0	95.4	98.6	93.8	93.8
87.5°	38.2	89.1	46.1	28.6	30.2	28.6	30.2	31.8	35.0	36.6	36.6
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)