

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: P639297

Luminaire Tested: GWS-SA5B-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639297
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-SA5B-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17848.3 lumens
Efficiency: N/A
Efficacy: 154.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

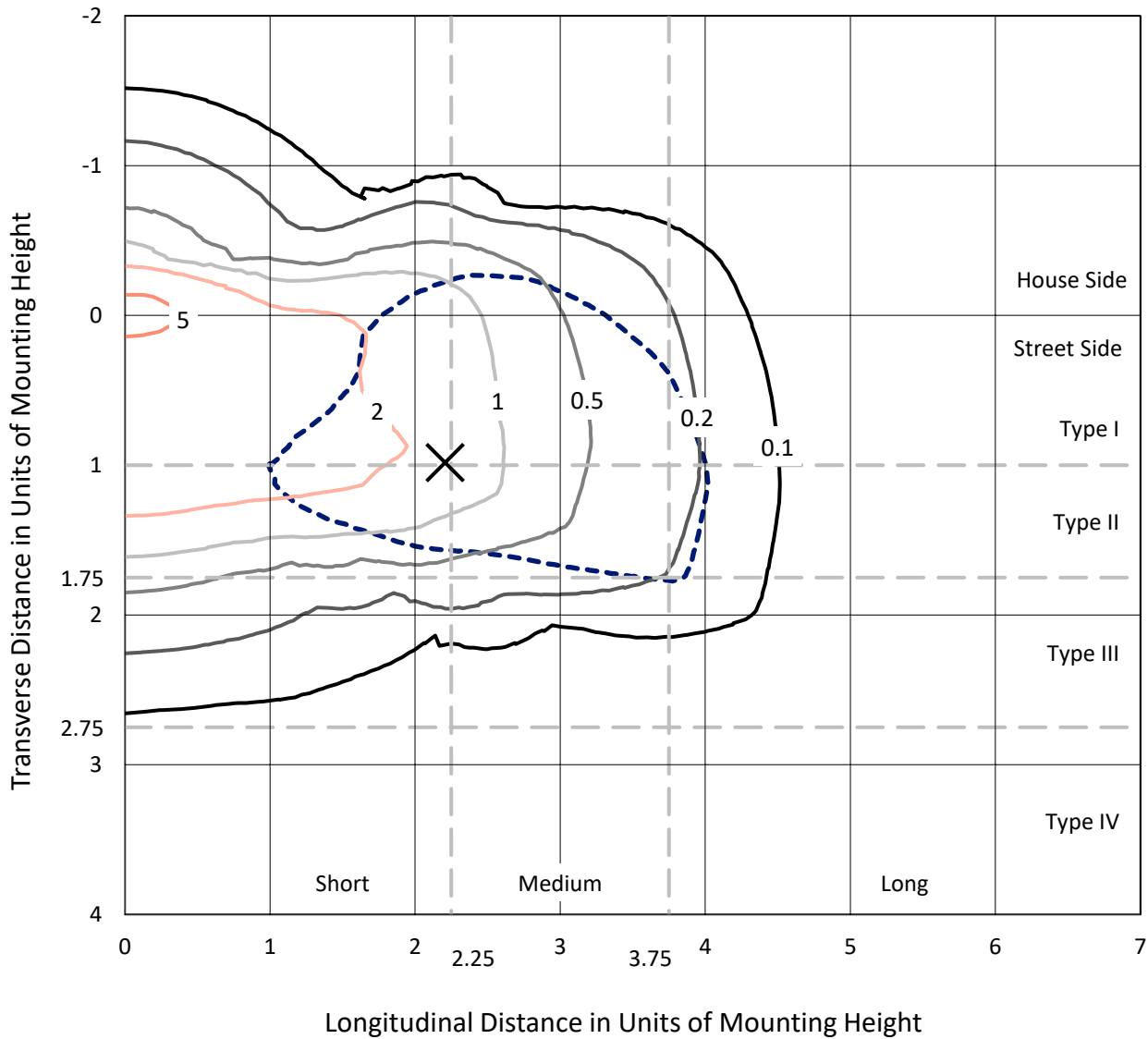
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

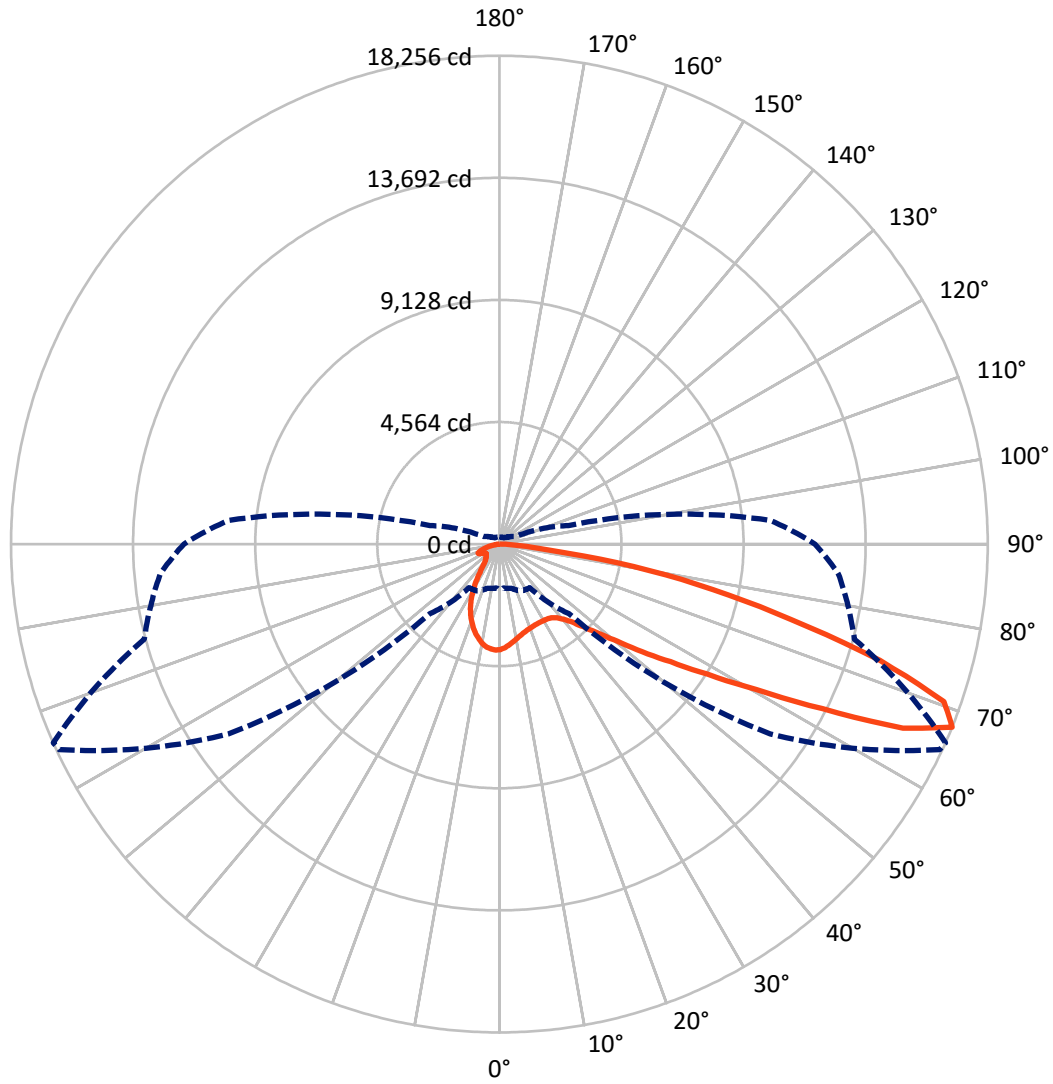
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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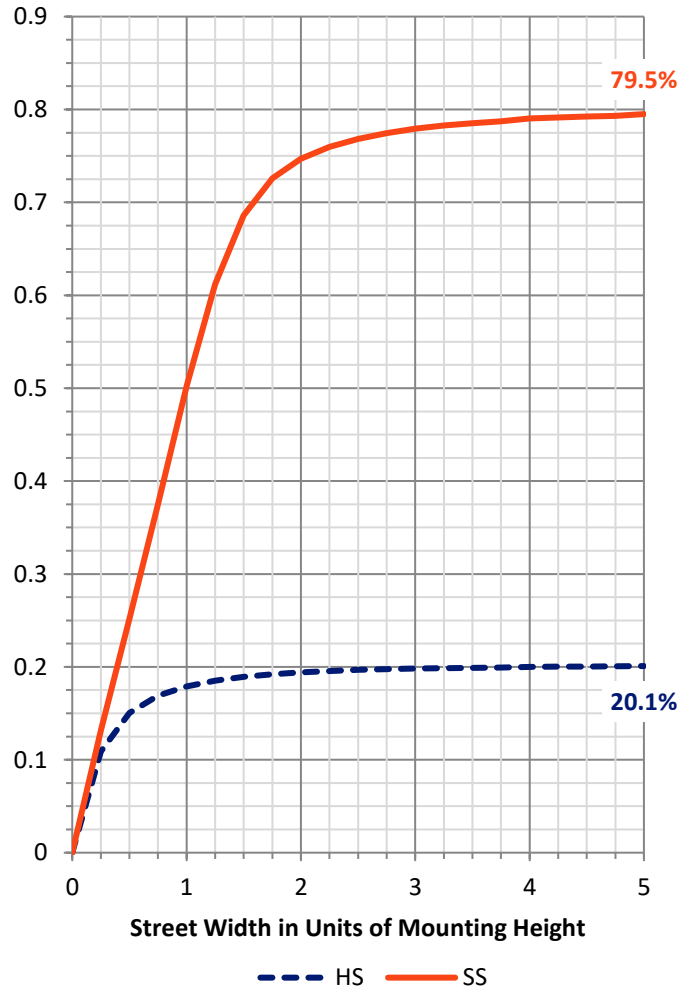
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3621.8	0.0	3621.8
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	14226.5	0.0	14226.5
	% Fixture	79.7	0.0	79.7
Total	Lumens	17848.3	0.0	17848.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.1	1.9
10°-20°	850.7	4.8
20°-30°	1169.3	6.6
30°-40°	1598.6	9.0
40°-50°	2422.3	13.6
50°-60°	3765.5	21.1
60°-70°	4584.4	25.7
70°-80°	2792.6	15.6
80°-90°	319.0	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°	17848.3	100.0
0°-180°	17848.3	100.0

Coefficient of Utilization



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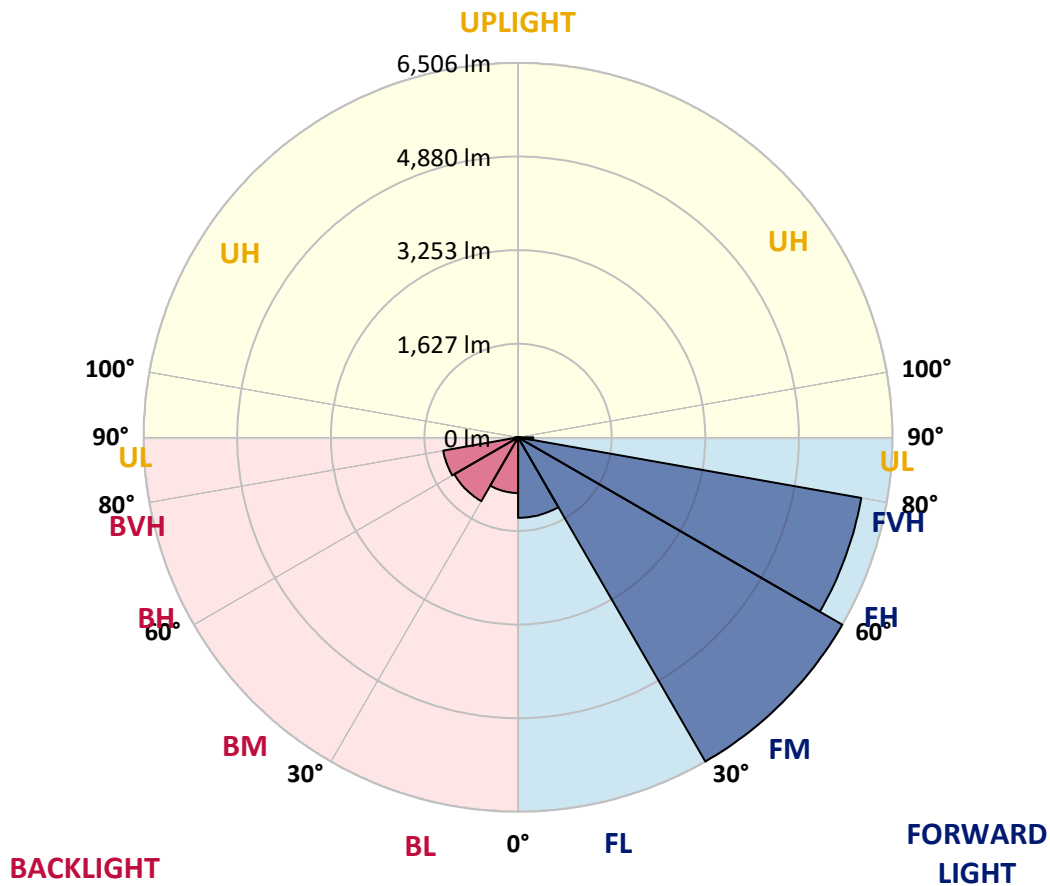
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1398.5	7.8			
FM (30°-60°)	6506.4	36.5			
FH (60°-80°)	6056.4	33.9			G3/7500
FVH (80°-90°)	265.2	1.5			G3/500
BL (0°-30°)	967.6	5.4	B2/1000		
BM (30°-60°)	1279.9	7.2	B2/2500		
BH (60°-80°)	1320.6	7.4	B3/2500		G3/2500
BVH (80°-90°)	53.8	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°	3944.0	3944.0	3944.0	3944.0	3944.0	3944.0	3944.0	3944.0	3944.0	3944.0	3944.0
2.5°	3694.0	3707.0	3699.2	3748.7	3751.3	3813.8	3848.9	3878.9	3881.5	3920.5	3946.6
5°	3441.4	3449.2	3449.2	3496.1	3527.3	3610.6	3691.4	3777.3	3783.8	3877.6	3949.2
7.5°	3236.9	3244.8	3239.5	3302.0	3342.4	3434.9	3537.7	3669.2	3682.3	3833.3	3958.3
10°	3076.8	3074.2	3087.2	3144.5	3196.6	3307.3	3421.8	3571.6	3591.1	3782.5	3968.7
12.5°	2967.4	2970.0	2977.8	3037.7	3093.7	3203.1	3321.6	3484.3	3505.2	3723.9	3963.5
15°	2915.3	2910.1	2916.6	2971.3	3024.7	3121.1	3243.5	3411.4	3432.3	3671.8	3964.8
17.5°	2903.6	2899.7	2898.4	2937.5	2977.8	3067.7	3184.9	3355.4	3377.6	3638.0	3972.6
20°	2940.1	2934.9	2920.5	2937.5	2954.4	3029.9	3143.2	3315.1	3339.8	3615.8	3988.2
22.5°	3040.3	3031.2	3009.1	2988.2	2966.1	3011.7	3117.2	3285.1	3309.9	3601.5	4003.9
25°	3192.7	3184.9	3161.4	3114.5	3033.8	3026.0	3111.9	3272.1	3296.8	3591.1	4010.4
27.5°	3402.3	3390.6	3367.2	3299.4	3167.9	3079.4	3131.5	3270.8	3294.2	3579.4	4003.9
30°	3651.0	3643.2	3630.2	3548.1	3372.4	3192.7	3175.7	3281.2	3299.4	3572.9	3990.8
32.5°	3903.6	3895.8	3906.2	3867.1	3651.0	3380.2	3272.1	3309.9	3322.9	3571.6	3979.1
35°	4126.3	4135.4	4210.9	4217.4	4005.2	3634.1	3424.4	3376.3	3378.9	3597.6	3984.3
37.5°	4359.3	4394.5	4493.4	4578.1	4401.0	3970.0	3651.0	3501.3	3498.7	3664.0	4016.9
40°	4667.9	4683.5	4809.8	4968.7	4858.0	4430.9	3972.6	3705.7	3687.5	3799.4	4104.1
42.5°	4968.7	5006.5	5208.3	5390.6	5354.1	4950.5	4377.6	4011.7	3979.1	4039.0	4283.8
45°	5351.5	5388.0	5614.5	5848.9	5915.3	5537.7	4895.8	4446.6	4414.0	4399.7	4613.2
47.5°	5734.3	5772.1	5975.2	6313.7	6546.8	6272.1	5570.3	5020.8	4967.4	4911.4	5110.6
50°	5992.1	6036.4	6230.4	6636.6	7183.5	7188.7	6369.7	5773.4	5705.7	5617.1	5811.1
52.5°	5983.0	6011.7	6196.5	6665.3	7641.8	8242.1	7440.0	6731.7	6677.0	6484.3	6653.6
55°	5513.0	5555.9	5742.1	6328.1	7691.3	9240.8	9012.9	7861.9	7764.2	7419.2	7605.4
57.5°	4569.0	4605.4	4792.9	5515.6	7252.5	9752.5	11010.3	9302.0	9167.9	8437.4	8652.2
60°	3449.2	3404.9	3493.5	4126.3	6203.1	9765.5	12773.3	11255.1	11031.1	9525.9	9705.6
62.5°	2588.5	2544.2	2563.8	2742.2	4205.7	8976.5	13778.5	13926.9	13557.1	10755.1	10719.9
65°	2045.6	2020.8	2076.8	2199.2	2451.8	6835.9	13786.3	16816.2	16583.2	12179.6	11760.3
67.5°	1666.6	1651.0	1708.3	1934.9	1988.3	3673.1	12361.8	18165.2	18256.3	13739.4	12725.1
70°	1342.4	1319.0	1408.8	1707.0	1848.9	2222.6	8855.4	17477.7	17624.8	14669.1	12453.0
72.5°	927.1	928.4	973.9	1382.8	1785.1	1919.2	5009.1	14553.2	14872.2	13826.7	10947.8
75°	625.0	630.2	643.2	912.8	1644.5	1862.0	2669.2	11018.1	11243.4	11428.3	9049.4
77.5°	377.6	380.2	410.2	552.1	1134.1	1738.3	1808.6	7986.9	8164.0	7533.8	5609.3
80°	218.7	227.9	255.2	369.8	765.6	1306.0	1399.7	4897.1	5097.6	3348.9	1782.5
82.5°	96.4	102.9	139.3	214.8	446.6	1110.7	1092.4	1934.9	1906.2	933.6	618.5
85°	16.9	20.8	29.9	67.7	164.1	585.9	847.6	854.2	803.4	354.2	256.5
87.5°	0.0	0.0	0.0	0.0	0.0	3.9	127.6	229.2	227.9	100.3	88.5
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°	3944.0	3944.0	3944.0	3944.0	3944.0	3944.0	3944.0	3944.0	3944.0	3944.0	3944.0
2.5°	3963.5	3928.3	3959.6	3963.5	3957.0	3951.8	3912.7	3878.9	3875.0	3838.5	3838.5
5°	3977.8	3945.3	3960.9	3930.9	3884.1	3835.9	3752.6	3695.3	3669.2	3622.4	3622.4
7.5°	3997.4	3963.5	3945.3	3871.1	3761.7	3656.2	3522.1	3410.1	3364.5	3298.1	3295.5
10°	4015.6	3972.6	3910.1	3765.6	3591.1	3423.1	3227.8	3069.0	2960.9	2881.5	2881.5
12.5°	4014.3	3958.3	3834.6	3621.1	3380.2	3136.7	2876.3	2636.7	2493.5	2369.8	2362.0
15°	4011.7	3934.9	3738.2	3453.1	3134.1	2796.8	2442.7	2130.2	1917.9	1796.9	1786.4
17.5°	4009.1	3904.9	3630.2	3261.7	2834.6	2375.0	1907.5	1569.0	1391.9	1317.7	1320.3
20°	4009.1	3871.1	3514.3	3041.6	2489.6	1869.8	1399.7	1153.6	1109.4	1113.3	1117.2
22.5°	3997.4	3829.4	3385.4	2802.1	2105.4	1375.0	1032.5	949.2	972.6	1009.1	1014.3
25°	3970.0	3760.4	3235.6	2536.4	1648.4	1001.3	842.4	826.8	869.8	915.4	928.4
27.5°	3927.0	3680.9	3067.7	2225.2	1213.5	804.7	740.9	739.6	773.4	807.3	819.0
30°	3881.5	3592.4	2890.6	1878.9	878.9	700.5	675.8	675.8	692.7	713.5	710.9
32.5°	3828.1	3502.6	2700.5	1518.2	716.1	641.9	634.1	630.2	632.8	640.6	640.6
35°	3782.5	3423.1	2505.2	1136.7	641.9	609.4	601.6	592.4	588.5	583.3	585.9
37.5°	3765.6	3360.6	2303.4	856.8	605.5	585.9	572.9	559.9	550.8	548.2	546.9
40°	3792.9	3334.6	2101.5	705.7	579.4	561.2	546.9	529.9	522.1	522.1	522.1
42.5°	3899.7	3354.1	1895.8	638.0	561.2	540.4	519.5	503.9	501.3	503.9	505.2
45°	4095.0	3429.7	1682.3	604.2	545.6	519.5	494.8	483.1	483.1	485.7	485.7
47.5°	4444.0	3627.6	1471.3	583.3	529.9	502.6	476.6	464.8	463.5	466.1	466.1
50°	5048.1	3984.3	1281.2	569.0	518.2	489.6	463.5	447.9	444.0	442.7	442.7
52.5°	5809.8	4602.8	1160.1	558.6	503.9	475.3	449.2	428.4	420.6	416.7	416.7
55°	6730.4	5427.0	1160.1	550.8	485.7	458.3	428.4	407.5	395.8	390.6	390.6
57.5°	7773.4	6386.6	1360.7	544.3	471.3	438.8	406.2	385.4	372.4	364.6	364.6
60°	8834.5	7401.0	1856.8	535.2	458.3	414.1	381.5	362.0	345.0	335.9	334.6
62.5°	9934.8	8518.1	2510.4	540.4	449.2	390.6	355.5	333.3	319.0	309.9	308.6
65°	10942.6	9581.9	3082.0	580.7	450.5	369.8	325.5	306.0	294.3	282.5	281.2
67.5°	11798.0	10169.2	2681.0	662.8	477.9	345.0	295.6	276.0	265.6	257.8	256.5
70°	11199.1	9273.3	1520.8	713.5	515.6	319.0	261.7	248.7	238.3	233.1	231.8
72.5°	9576.7	7851.5	1016.9	630.2	470.0	285.2	230.5	220.0	212.2	205.7	204.4
75°	7757.7	6226.5	777.3	516.9	365.9	231.8	197.9	190.1	182.3	175.8	174.5
77.5°	4589.8	3597.6	572.9	408.8	257.8	181.0	164.1	157.6	149.7	144.5	143.2
80°	1464.8	1250.0	363.3	281.2	170.6	139.3	126.3	121.1	113.3	106.8	105.5
82.5°	558.6	483.1	192.7	143.2	113.3	95.1	84.6	79.4	74.2	67.7	66.4
85°	247.4	231.8	106.8	76.8	61.2	46.9	41.7	39.1	32.6	27.3	26.0
87.5°	87.2	87.2	45.6	22.1	13.0	6.5	3.9	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)