

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: P641826

Luminaire Tested: GWS-SA6B-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16933.1 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

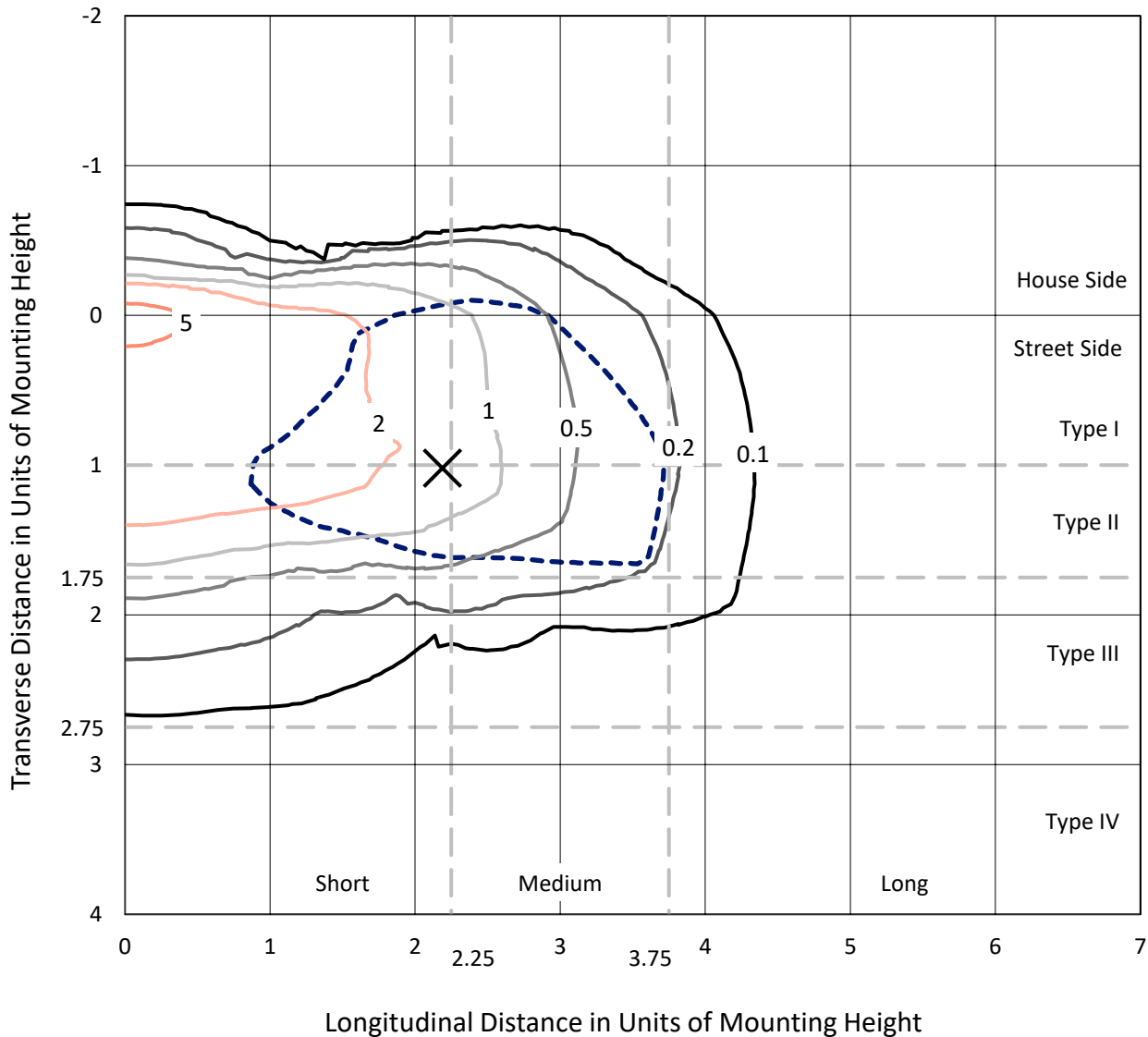
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

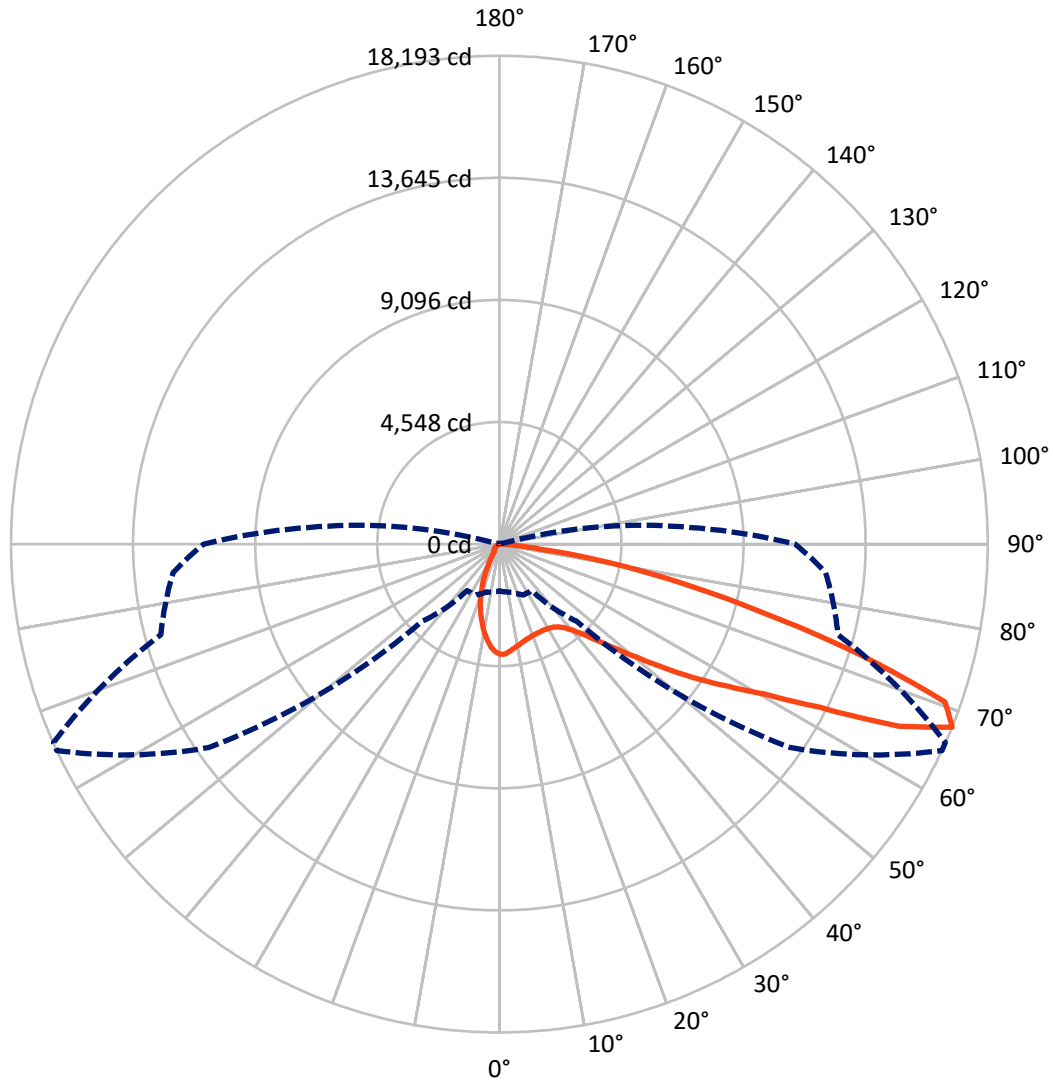
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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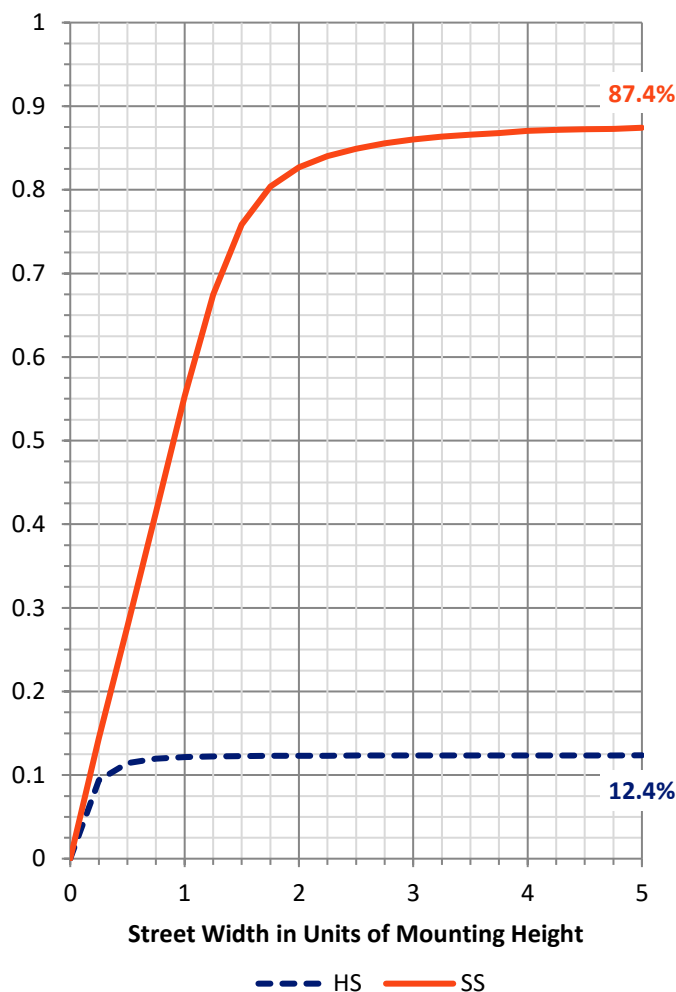
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2114.4	0.0	2114.4
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	14818.7	0.0	14818.7
	% Fixture	87.5	0.0	87.5
Total	Lumens	16933.1	0.0	16933.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.1	2.0
10°-20°	766.8	4.5
20°-30°	1095.7	6.5
30°-40°	1594.0	9.4
40°-50°	2496.5	14.7
50°-60°	3894.7	23.0
60°-70°	4278.1	25.3
70°-80°	2276.8	13.4
80°-90°	189.5	1.1
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°	16933.1	100.0
0°-180°	16933.1	100.0

Coefficient of Utilization

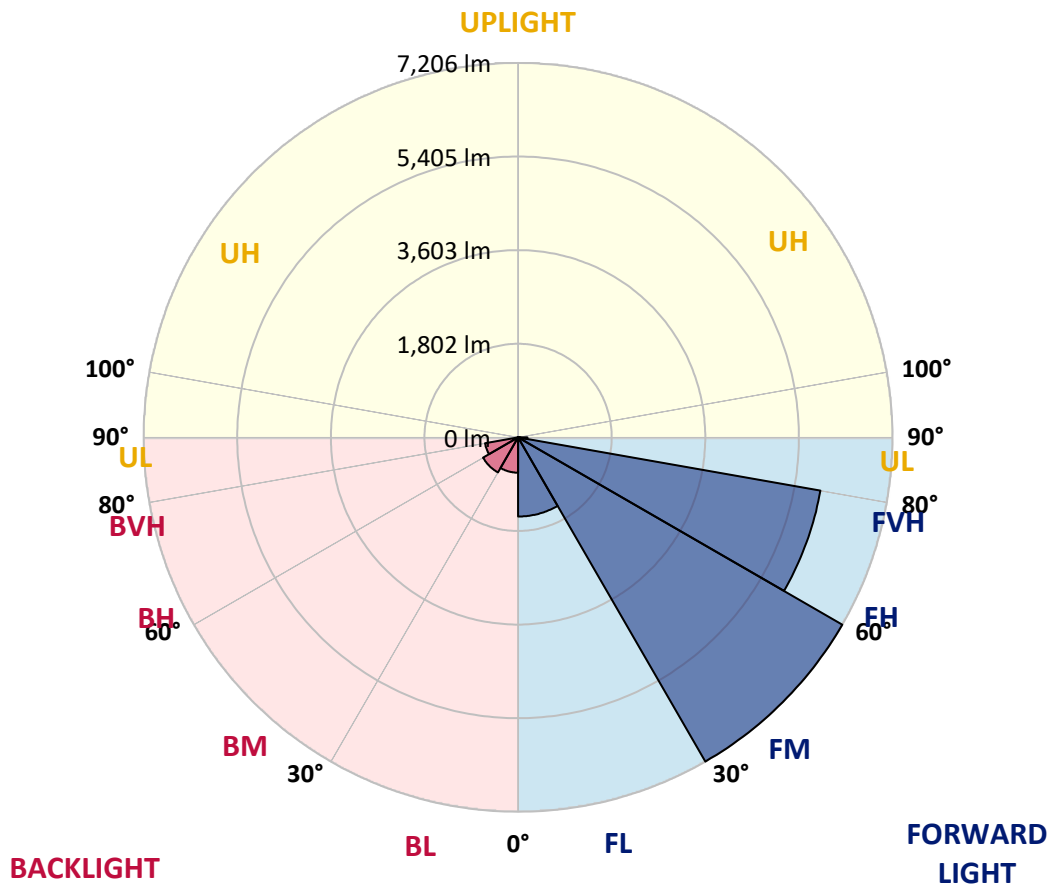


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1523.9	9.0			
FM (30°-60°)	7206.4	42.6			
FH (60°-80°)	5909.0	34.9			G3/7500
FVH (80°-90°)	179.4	1.1			G2/225
BL (0°-30°)	679.6	4.0	B2/1000		
BM (30°-60°)	778.8	4.6	B1/1000		
BH (60°-80°)	645.8	3.8	B2/1000		G2/1000
BVH (80°-90°)	10.1	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4106.8	4106.8	4106.8	4106.8	4106.8	4106.8	4106.8	4106.8	4106.8	4106.8	4106.8
2.5°	3964.4	3976.7	3959.8	4001.2	4008.8	4054.7	4080.8	4099.2	4097.6	4120.6	4120.6
5°	3731.7	3743.9	3734.7	3779.1	3814.3	3886.3	3946.0	4014.9	4018.0	4088.4	4114.5
7.5°	3534.1	3535.7	3535.7	3590.8	3636.7	3725.5	3814.3	3920.0	3932.2	4041.0	4109.9
10°	3371.8	3376.4	3377.9	3440.7	3491.2	3598.4	3711.7	3838.8	3852.6	3999.6	4106.8
12.5°	3260.0	3261.6	3267.7	3333.5	3388.7	3500.4	3615.3	3760.7	3779.1	3952.2	4093.0
15°	3206.4	3203.4	3206.4	3261.6	3316.7	3423.9	3541.8	3698.0	3717.9	3912.3	4094.6
17.5°	3203.4	3198.8	3195.7	3237.1	3272.3	3367.2	3486.7	3656.6	3678.1	3894.0	4111.4
20°	3247.8	3244.7	3229.4	3247.8	3255.4	3333.5	3451.4	3624.5	3645.9	3890.9	4148.2
22.5°	3364.2	3356.5	3333.5	3316.7	3275.3	3321.3	3426.9	3601.5	3626.0	3898.6	4195.6
25°	3537.2	3534.1	3505.0	3463.7	3358.0	3339.7	3428.5	3601.5	3624.5	3907.7	4246.2
27.5°	3797.5	3779.1	3742.4	3670.4	3518.8	3411.6	3459.1	3610.7	3633.7	3920.0	4287.5
30°	4062.4	4060.9	4048.6	3975.1	3750.0	3549.4	3523.4	3635.2	3656.6	3930.7	4325.8
32.5°	4336.5	4341.1	4371.7	4315.1	4068.5	3754.6	3639.8	3685.7	3701.0	3952.2	4359.5
35°	4596.8	4606.0	4687.2	4707.1	4455.9	4065.5	3829.7	3786.8	3788.3	3999.6	4403.9
37.5°	4846.4	4877.0	5007.2	5103.7	4938.3	4442.2	4103.7	3958.3	3946.0	4094.6	4471.2
40°	5129.7	5187.9	5351.7	5515.6	5463.5	4939.8	4477.4	4221.7	4195.6	4269.1	4592.2
42.5°	5443.6	5506.4	5723.8	5953.5	5978.0	5541.6	4944.4	4606.0	4561.6	4563.1	4818.8
45°	5780.5	5864.7	6117.3	6448.1	6596.6	6212.3	5520.2	5125.1	5080.7	5014.8	5183.3
47.5°	6223.0	6296.5	6540.0	6921.2	7206.1	6932.0	6275.1	5792.7	5711.6	5615.1	5749.8
50°	6604.3	6668.6	6878.4	7356.1	7948.7	7859.9	7131.0	6627.2	6549.2	6385.3	6497.1
52.5°	6688.5	6739.0	6932.0	7469.4	8516.8	9031.3	8179.9	7636.3	7581.2	7278.0	7320.9
55°	6310.3	6386.8	6559.9	7157.1	8665.3	10176.7	9541.2	8774.1	8659.2	8175.3	8251.9
57.5°	5354.8	5491.1	5653.4	6429.7	8262.6	10786.1	11443.0	9979.2	9875.0	9039.0	9040.5
60°	3924.6	4034.8	4143.6	4854.1	7307.1	10744.8	13168.7	11332.8	11142.9	9744.9	9718.8
62.5°	2854.2	2910.9	2909.4	3162.0	5017.9	10037.3	14075.2	13372.4	12929.9	10499.8	10351.2
65°	2244.8	2243.3	2309.1	2391.8	2802.2	7748.1	14187.0	16350.7	15872.9	11511.9	11202.6
67.5°	1747.2	1780.8	1846.7	2090.2	2105.5	4054.7	13204.0	18192.8	18183.6	13057.0	12199.5
70°	1347.5	1393.4	1486.8	1842.1	1944.7	2269.3	9879.6	17609.4	17757.9	13747.6	11493.6
72.5°	865.2	862.1	999.9	1488.4	1868.1	1891.1	5463.5	13988.0	14156.4	12452.1	9293.2
75°	483.9	486.9	565.0	911.1	1741.0	1779.3	2705.7	9974.6	10107.8	9708.1	7140.2
77.5°	189.9	196.0	264.9	479.3	1148.4	1589.4	1607.8	6801.8	6821.7	6016.3	4379.4
80°	76.6	81.2	134.7	297.1	699.8	1070.3	1148.4	4007.3	3926.1	2329.0	1274.0
82.5°	23.0	24.5	53.6	168.4	366.0	761.0	774.8	1537.4	1451.6	500.7	324.6
85°	1.5	1.5	12.2	52.1	130.2	191.4	516.0	500.7	444.1	125.6	143.9
87.5°	0.0	0.0	1.5	1.5	3.1	6.1	55.1	91.9	93.4	23.0	64.3
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°	4106.8	4106.8	4106.8	4106.8	4106.8	4106.8	4106.8	4106.8	4106.8	4106.8	4106.8
2.5°	4120.6	4065.5	4060.9	4018.0	3975.1	3921.5	3858.7	3812.8	3780.7	3724.0	3713.3
5°	4114.5	4041.0	3972.1	3849.6	3713.3	3566.3	3437.7	3318.2	3243.2	3192.7	3171.2
7.5°	4102.2	4008.8	3849.6	3618.3	3390.2	3132.9	2932.3	2748.6	2623.0	2549.5	2517.4
10°	4093.0	3967.5	3708.7	3358.0	3004.3	2649.1	2344.3	2071.8	1920.2	1800.7	1780.8
12.5°	4074.7	3907.7	3528.0	3053.3	2597.0	2125.4	1736.4	1402.6	1171.4	1067.3	1030.5
15°	4056.3	3845.0	3347.3	2731.7	2152.9	1571.1	1099.4	777.9	618.6	569.6	566.6
17.5°	4053.2	3788.3	3151.3	2427.0	1687.4	1029.0	626.3	503.8	470.1	457.8	457.8
20°	4062.4	3740.8	2958.4	2076.4	1229.6	626.3	467.0	436.4	416.5	405.8	405.8
22.5°	4071.6	3691.8	2773.1	1722.7	816.2	457.8	411.9	385.9	362.9	350.7	344.5
25°	4077.7	3638.2	2567.9	1367.4	532.9	398.1	361.4	327.7	300.1	284.8	284.8
27.5°	4076.2	3573.9	2361.2	1019.8	413.4	353.7	309.3	274.1	246.5	229.7	231.2
30°	4063.9	3503.5	2146.8	712.0	361.4	309.3	264.9	228.2	200.6	186.8	185.3
32.5°	4054.7	3428.5	1898.7	500.7	324.6	271.0	225.1	189.9	166.9	156.2	154.7
35°	4044.0	3355.0	1662.9	381.3	292.5	234.3	189.9	160.8	142.4	133.2	133.2
37.5°	4047.1	3278.4	1407.2	327.7	260.3	203.7	162.3	137.8	122.5	113.3	111.8
40°	4094.6	3232.5	1156.1	297.1	231.2	176.1	140.9	119.4	104.1	94.9	93.4
42.5°	4212.5	3234.0	915.7	274.1	205.2	150.1	122.5	102.6	88.8	78.1	76.6
45°	4448.3	3298.3	702.8	249.6	177.6	130.2	105.7	87.3	73.5	64.3	62.8
47.5°	4834.2	3489.7	532.9	228.2	154.7	113.3	90.3	73.5	61.2	53.6	52.1
50°	5448.2	3835.8	419.6	202.1	130.2	98.0	76.6	61.2	50.5	42.9	41.3
52.5°	6186.2	4354.9	359.8	179.2	111.8	85.7	65.8	50.5	41.3	35.2	33.7
55°	7034.6	4975.0	332.3	156.2	94.9	73.5	53.6	41.3	33.7	29.1	26.0
57.5°	7812.4	5533.9	330.7	133.2	81.2	62.8	44.4	35.2	29.1	23.0	21.4
60°	8570.4	6001.0	310.8	110.2	70.4	52.1	38.3	29.1	24.5	19.9	18.4
62.5°	9257.9	6380.7	260.3	88.8	59.7	42.9	32.2	26.0	21.4	16.8	16.8
65°	10121.6	6864.6	199.1	72.0	49.0	35.2	27.6	23.0	19.9	15.3	15.3
67.5°	11014.3	7120.3	142.4	59.7	39.8	30.6	24.5	21.4	16.8	13.8	13.8
70°	9976.1	6016.3	102.6	49.0	33.7	26.0	21.4	19.9	16.8	13.8	12.2
72.5°	7791.0	4338.0	76.6	38.3	29.1	24.5	19.9	18.4	15.3	12.2	12.2
75°	5777.4	2529.6	58.2	30.6	23.0	19.9	19.9	18.4	15.3	12.2	10.7
77.5°	3140.6	882.0	44.4	24.5	18.4	15.3	16.8	16.8	13.8	10.7	9.2
80°	831.5	241.9	30.6	18.4	15.3	12.2	12.2	15.3	12.2	9.2	9.2
82.5°	241.9	70.4	21.4	15.3	12.2	10.7	10.7	10.7	9.2	7.7	6.1
85°	117.9	26.0	15.3	12.2	10.7	9.2	7.7	7.7	6.1	4.6	4.6
87.5°	52.1	10.7	12.2	10.7	10.7	7.7	6.1	4.6	4.6	3.1	1.5
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)