

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: P642340

Luminaire Tested: GWS-SA6C-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21458.5 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G3

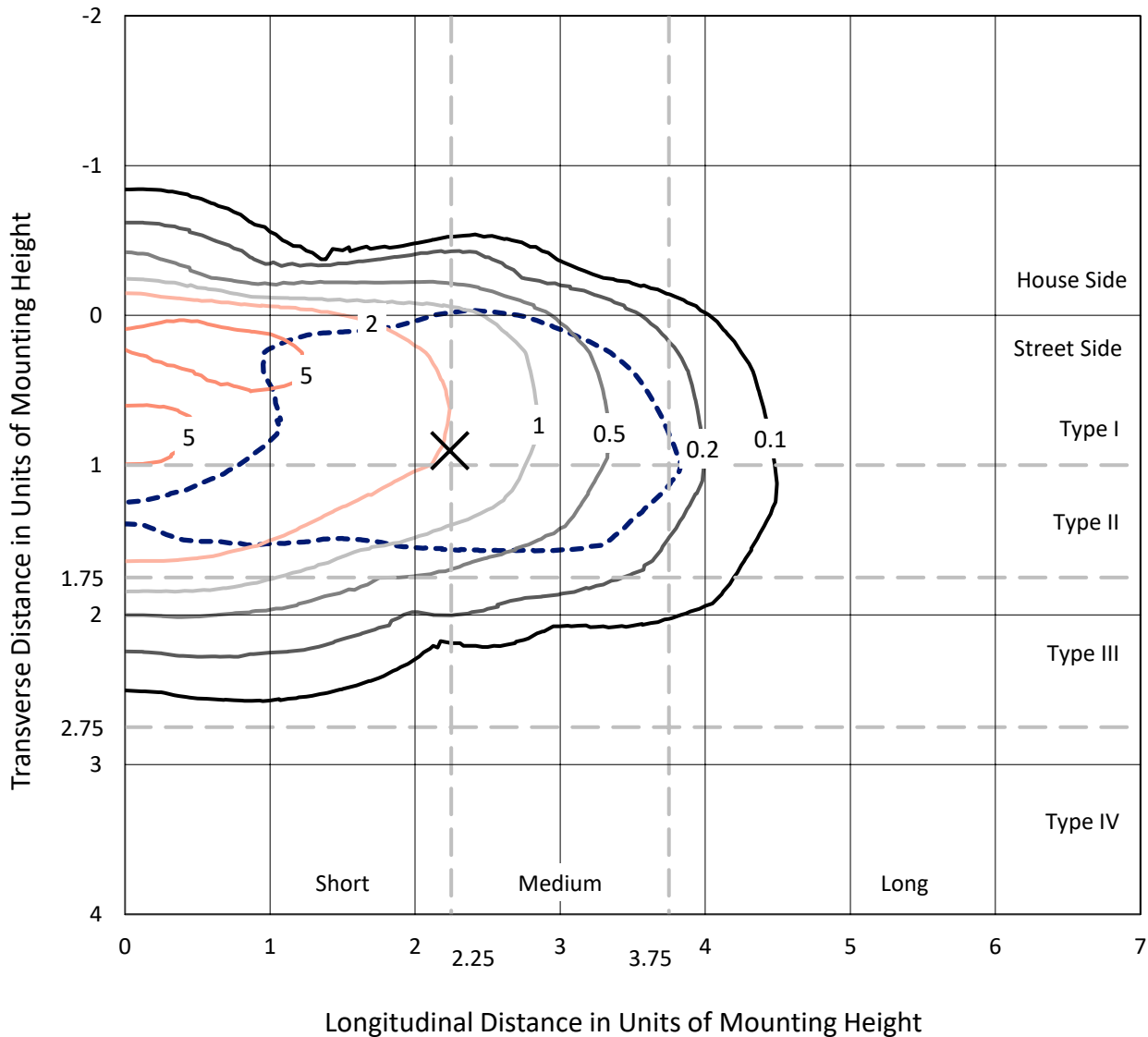
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

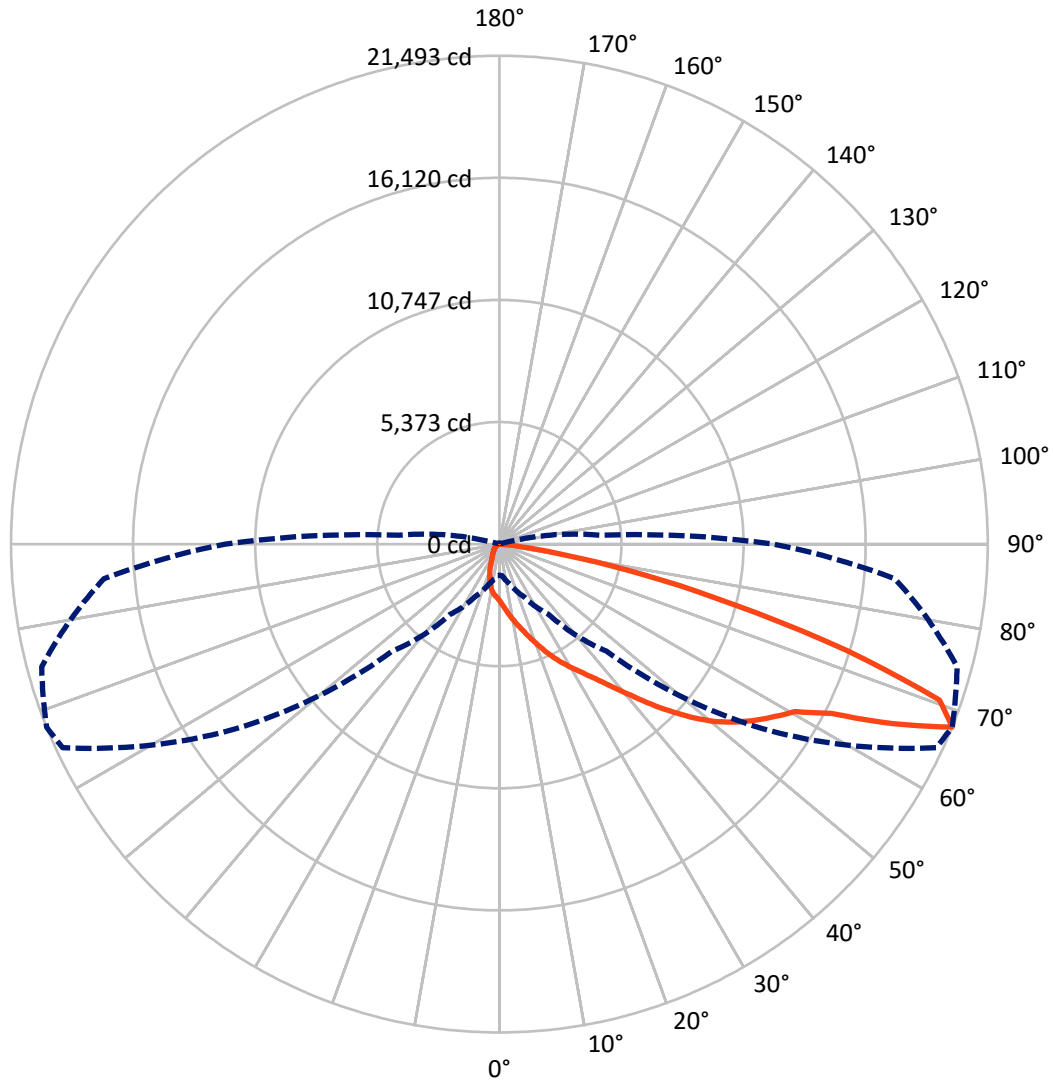
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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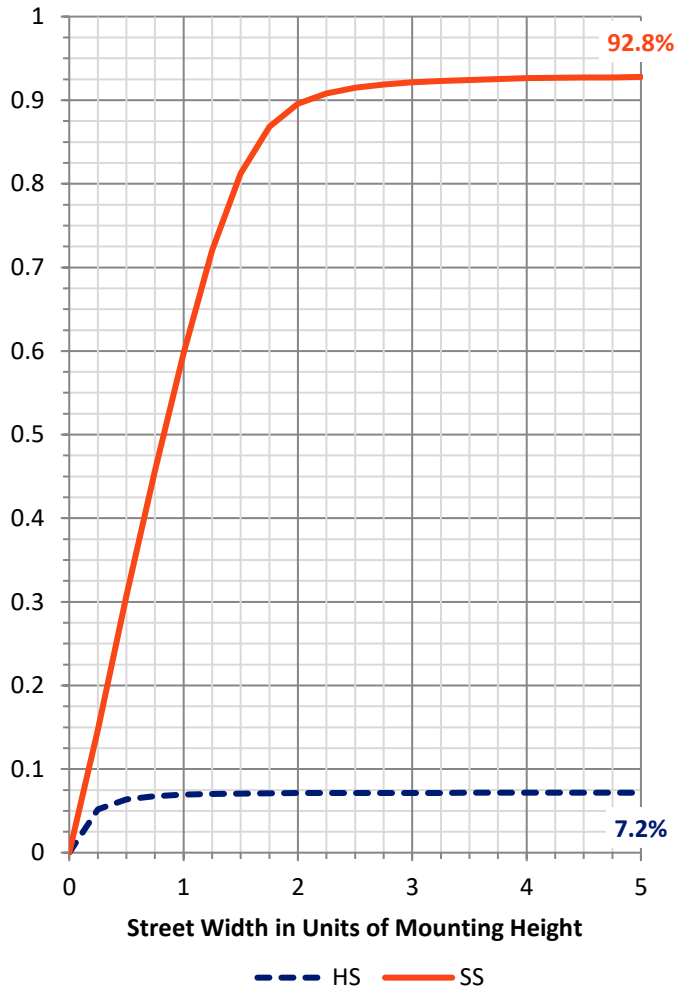
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1549.6	0.0	1549.6
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	19908.9	0.0	19908.9
	% Fixture	92.8	0.0	92.8
Total	Lumens	21458.5	0.0	21458.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.6	1.1
10°-20°	699.4	3.3
20°-30°	1201.9	5.6
30°-40°	2089.7	9.7
40°-50°	3646.4	17.0
50°-60°	5499.7	25.6
60°-70°	5514.7	25.7
70°-80°	2433.1	11.3
80°-90°	130.0	0.6
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°	21458.5	100.0
0°-180°	21458.5	100.0

Coefficient of Utilization



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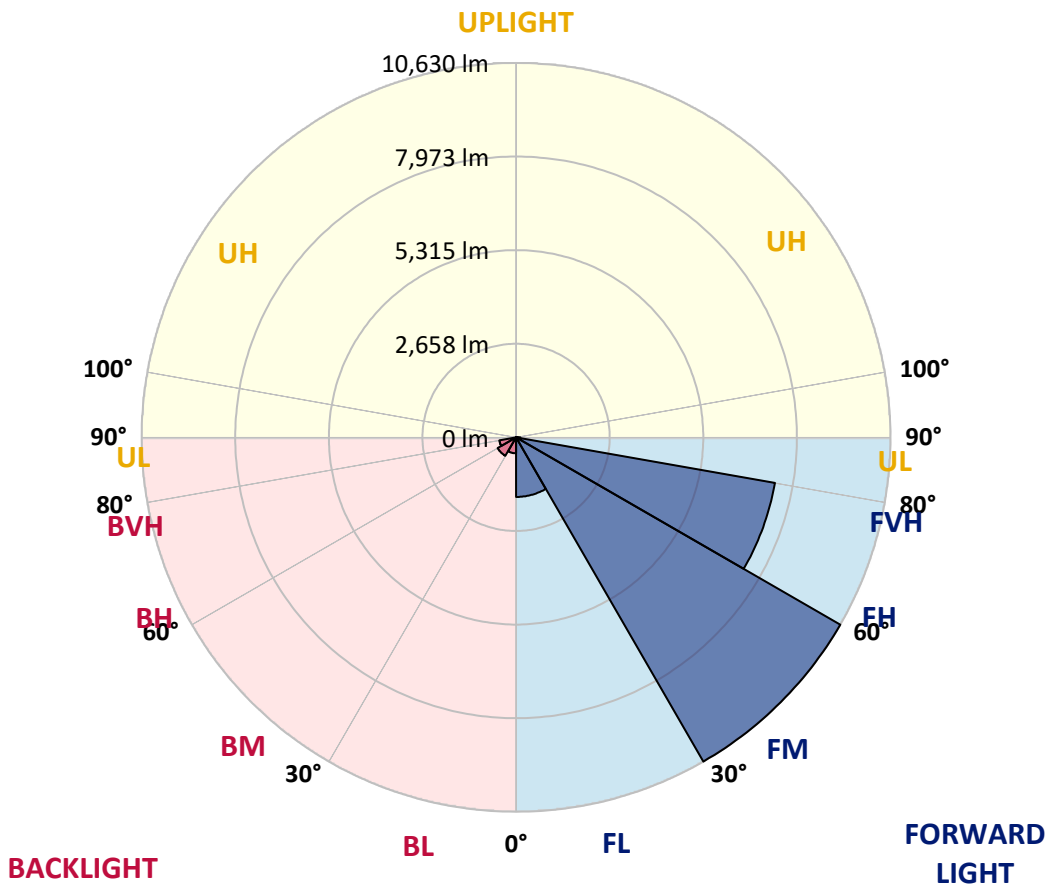
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1691.6	7.9			
FM (30°-60°)	10630.5	49.5			
FH (60°-80°)	7464.2	34.8			G3/7500
FVH (80°-90°)	122.6	0.6			G2/225
BL (0°-30°)	453.3	2.1	B1/500		
BM (30°-60°)	605.3	2.8	B1/1000		
BH (60°-80°)	483.6	2.3	B1/500		G1/500
BVH (80°-90°)	7.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	2497.2	2497.2	2497.2	2497.2	2497.2	2497.2	2497.2	2497.2	2497.2	2497.2	2497.2
2.5°	2908.0	2926.4	2908.0	2912.1	2858.7	2834.0	2780.6	2706.7	2688.2	2641.0	2569.1
5°	3263.2	3279.7	3261.2	3257.1	3195.5	3150.3	3062.0	2934.6	2897.7	2805.3	2663.6
7.5°	3456.3	3466.5	3472.7	3483.0	3460.4	3423.4	3343.3	3185.2	3146.2	2996.3	2797.1
10°	3476.8	3485.0	3515.8	3577.4	3622.6	3645.2	3600.0	3454.2	3392.6	3246.8	2961.3
12.5°	3419.3	3431.6	3480.9	3583.6	3708.9	3823.9	3852.6	3725.3	3669.9	3483.0	3154.4
15°	3343.3	3353.6	3421.4	3561.0	3749.9	3961.5	4080.6	4025.1	3963.5	3768.4	3368.0
17.5°	3226.3	3240.6	3335.1	3524.0	3768.4	4070.3	4327.0	4345.5	4302.4	4090.8	3604.1
20°	3160.5	3170.8	3255.0	3450.1	3756.1	4150.4	4557.0	4731.6	4684.3	4462.6	3875.2
22.5°	3216.0	3224.2	3279.7	3431.6	3715.0	4195.6	4770.6	5117.7	5091.0	4861.0	4160.7
25°	3507.6	3534.3	3501.5	3528.2	3733.5	4220.2	4943.1	5503.7	5509.9	5277.8	4456.4
27.5°	4099.1	4064.1	3986.1	3852.6	3877.3	4285.9	5091.0	5867.2	5920.6	5684.5	4719.3
30°	4700.8	4680.2	4633.0	4425.6	4253.1	4431.8	5216.2	6239.0	6323.2	6084.9	4953.4
32.5°	5376.4	5397.0	5312.8	5064.3	4770.6	4727.5	5345.6	6592.2	6750.3	6538.8	5228.6
35°	6183.5	6189.7	6023.3	5748.1	5415.4	5216.2	5577.7	6982.4	7274.0	7117.9	5596.2
37.5°	6970.0	7007.0	6916.7	6483.3	6187.6	5824.1	5961.7	7483.5	7894.2	7832.6	6058.2
40°	7666.2	7723.7	7695.0	7276.0	6887.9	6581.9	6557.3	8070.8	8643.8	8713.6	6668.2
42.5°	8220.7	8257.7	8280.3	7982.5	7639.5	7467.0	7292.5	8752.6	9528.9	9814.3	7415.7
45°	8806.0	8818.3	8865.6	8664.3	8364.5	8378.8	8161.2	9580.2	10461.2	11034.2	8274.1
47.5°	9551.5	9592.5	9570.0	9358.4	9087.3	9249.6	9058.6	10432.5	11381.3	12336.2	9153.1
50°	10459.2	10502.3	10481.8	10235.3	9933.4	10001.2	9882.1	11260.1	12268.4	13564.3	9884.2
52.5°	10927.4	10962.3	11217.0	11327.9	11169.7	10738.5	10584.5	12169.9	13018.0	14574.7	10555.7
55°	10701.5	10726.2	11280.6	11748.9	12328.0	11896.7	11290.9	12872.2	13679.3	15363.3	11054.7
57.5°	9765.0	9898.5	10652.2	11444.9	12662.7	13040.6	12436.8	13636.2	14315.9	15911.6	11545.6
60°	7844.9	7838.7	8918.9	10342.1	12009.7	13354.8	14055.1	14669.1	14954.6	16332.6	12202.7
62.5°	4335.2	4374.2	5811.8	7686.8	10194.3	12541.6	15268.8	16453.7	16410.6	17067.8	13231.6
65°	2158.4	2236.4	3016.8	4403.0	6783.2	10364.7	15478.3	19176.9	19053.7	18799.0	15357.1
67.5°	1369.8	1400.6	1831.8	2558.8	3770.5	6662.0	14174.2	21207.9	21493.4	20852.6	17466.2
70°	887.2	938.5	1273.3	1749.7	2275.4	3433.7	10383.2	19891.5	20546.6	20626.7	16151.9
72.5°	482.6	519.6	813.2	1248.6	1642.9	1716.8	5832.3	14927.9	15981.4	17497.0	12636.0
75°	275.2	301.9	445.6	848.2	1205.5	1045.3	2585.5	9993.0	10664.5	12504.6	9054.5
77.5°	166.3	188.9	250.5	412.8	755.7	698.2	977.5	6082.9	6510.0	7460.9	4752.1
80°	76.0	90.4	158.1	228.0	412.8	330.6	373.8	2836.1	2928.5	3062.0	1573.1
82.5°	34.9	41.1	71.9	135.5	234.1	191.0	143.8	655.1	922.1	872.8	400.5
85°	4.1	4.1	26.7	55.4	65.7	49.3	59.6	147.9	186.9	262.9	115.0
87.5°	0.0	0.0	2.1	2.1	4.1	6.2	12.3	18.5	26.7	43.1	28.8
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°	2497.2	2497.2	2497.2	2497.2	2497.2	2497.2	2497.2	2497.2	2497.2	2497.2	2497.2
2.5°	2536.2	2478.7	2427.4	2351.4	2300.1	2242.6	2203.6	2156.3	2137.8	2123.5	2102.9
5°	2593.7	2501.3	2376.1	2236.4	2121.4	2012.6	1911.9	1846.2	1788.7	1780.5	1751.8
7.5°	2688.2	2550.6	2339.1	2111.1	1916.0	1735.3	1593.6	1478.6	1421.1	1402.6	1369.8
10°	2813.5	2624.5	2283.6	1934.5	1653.2	1437.5	1277.4	1148.0	1057.6	1024.8	1000.1
12.5°	2953.1	2692.3	2195.3	1716.8	1396.5	1150.0	946.7	809.1	751.6	731.1	712.6
15°	3113.3	2756.0	2055.7	1499.2	1145.9	846.1	702.3	642.8	618.1	612.0	605.8
17.5°	3267.3	2797.1	1889.3	1273.3	881.0	657.2	589.4	566.8	560.6	554.5	550.4
20°	3441.9	2825.8	1694.3	1059.7	683.9	556.5	523.7	507.2	494.9	482.6	480.6
22.5°	3620.6	2825.8	1482.7	850.2	573.0	499.0	462.1	431.3	408.7	396.4	392.2
25°	3791.0	2786.8	1273.3	679.8	505.2	443.6	396.4	361.4	330.6	316.3	312.2
27.5°	3912.2	2686.2	1090.5	575.0	458.0	394.3	336.8	297.8	273.1	258.8	256.7
30°	3988.2	2536.2	922.1	513.4	416.9	343.0	285.5	252.6	234.1	223.8	219.7
32.5°	4045.7	2351.4	772.2	470.3	377.9	297.8	248.5	221.8	205.4	197.1	195.1
35°	4160.7	2176.9	661.3	431.3	336.8	260.8	217.7	197.1	184.8	174.6	172.5
37.5°	4320.9	2031.0	573.0	396.4	297.8	232.1	197.1	178.7	168.4	158.1	156.1
40°	4557.0	1938.6	507.2	361.4	262.9	209.5	180.7	164.3	149.9	139.6	137.6
42.5°	4920.5	1895.5	464.1	326.5	232.1	188.9	166.3	145.8	131.4	121.2	119.1
45°	5353.8	1918.1	427.2	291.6	211.5	174.6	147.9	127.3	113.0	102.7	100.6
47.5°	5818.0	1998.2	396.4	258.8	191.0	160.2	131.4	108.8	96.5	86.3	84.2
50°	6302.6	2129.6	369.7	228.0	174.6	143.8	113.0	94.5	82.1	73.9	71.9
52.5°	6723.6	2308.3	343.0	205.4	160.2	127.3	98.6	82.1	69.8	61.6	59.6
55°	7126.1	2476.7	322.4	184.8	143.8	110.9	86.3	69.8	59.6	51.3	49.3
57.5°	7563.5	2655.4	297.8	166.3	129.4	98.6	76.0	59.6	51.3	43.1	41.1
60°	8200.2	2920.3	260.8	152.0	113.0	86.3	65.7	53.4	45.2	34.9	32.9
62.5°	9118.2	3402.9	219.7	131.4	96.5	73.9	55.4	45.2	37.0	28.8	24.6
65°	10835.0	4224.3	180.7	108.8	78.0	61.6	47.2	37.0	28.8	20.5	18.5
67.5°	12071.3	4437.9	145.8	88.3	63.7	47.2	39.0	28.8	20.5	14.4	12.3
70°	10553.6	3187.2	113.0	71.9	53.4	37.0	30.8	22.6	14.4	10.3	8.2
72.5°	7951.7	2082.4	84.2	55.4	41.1	30.8	22.6	18.5	12.3	8.2	6.2
75°	5604.4	1203.4	61.6	41.1	28.8	22.6	18.5	14.4	10.3	6.2	6.2
77.5°	2873.0	497.0	43.1	28.8	20.5	14.4	12.3	8.2	8.2	6.2	4.1
80°	872.8	164.3	24.6	18.5	14.4	10.3	6.2	6.2	6.2	4.1	2.1
82.5°	199.2	53.4	14.4	14.4	10.3	8.2	6.2	2.1	2.1	0.0	0.0
85°	51.3	16.4	12.3	10.3	10.3	8.2	4.1	2.1	0.0	0.0	0.0
87.5°	18.5	10.3	10.3	10.3	8.2	6.2	4.1	0.0	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)