

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: P642285

Luminaire Tested: GWS-SA6C-750-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642285
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21756.7 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G4

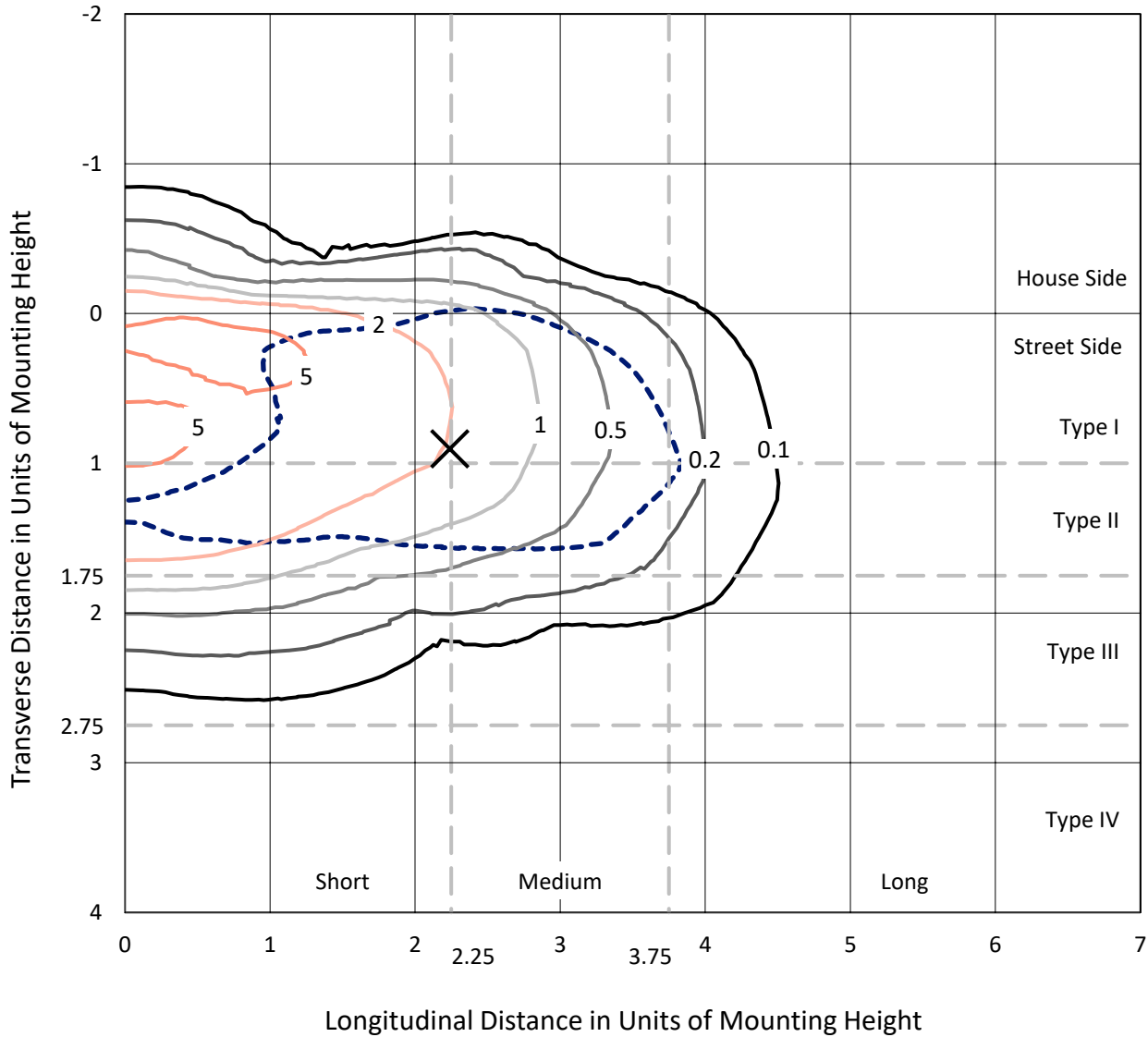
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

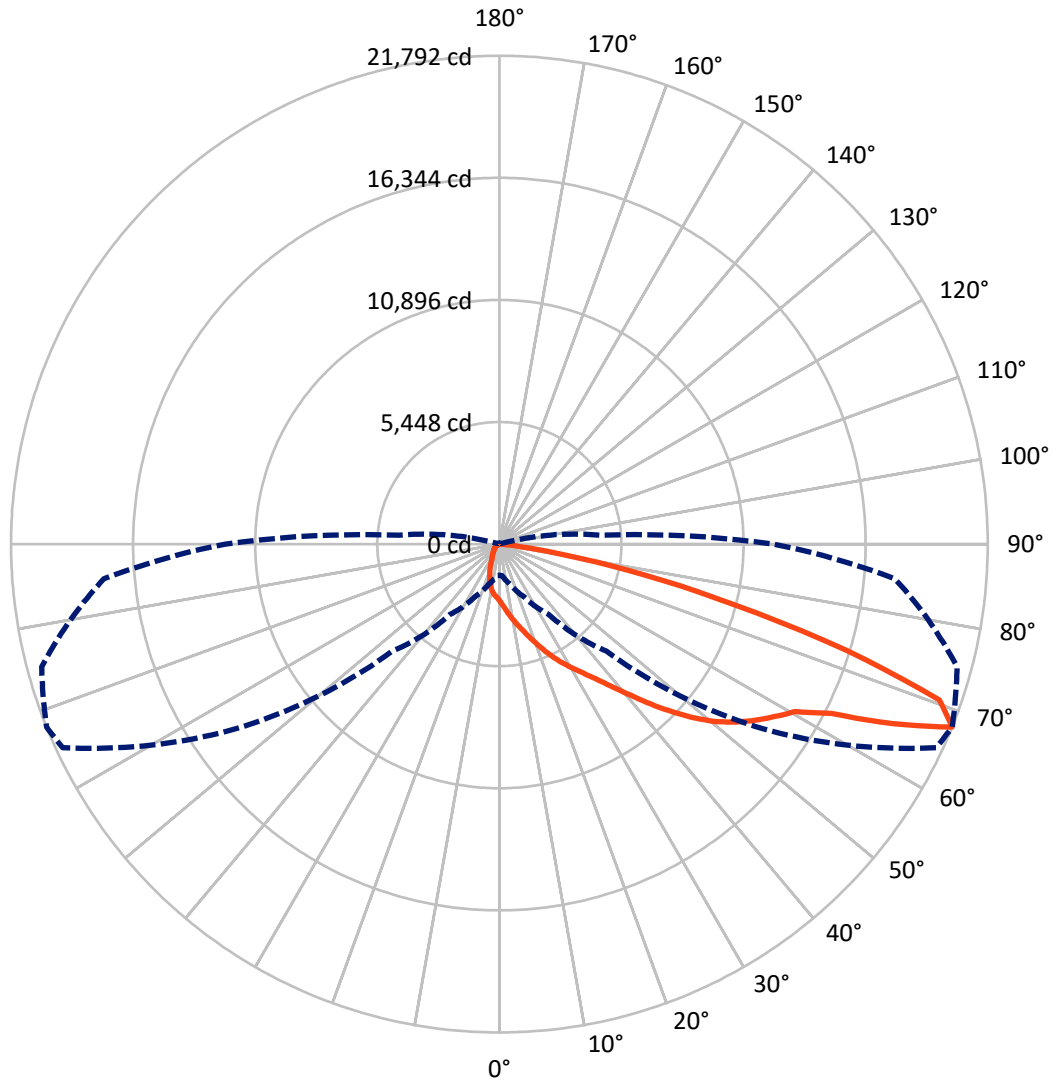
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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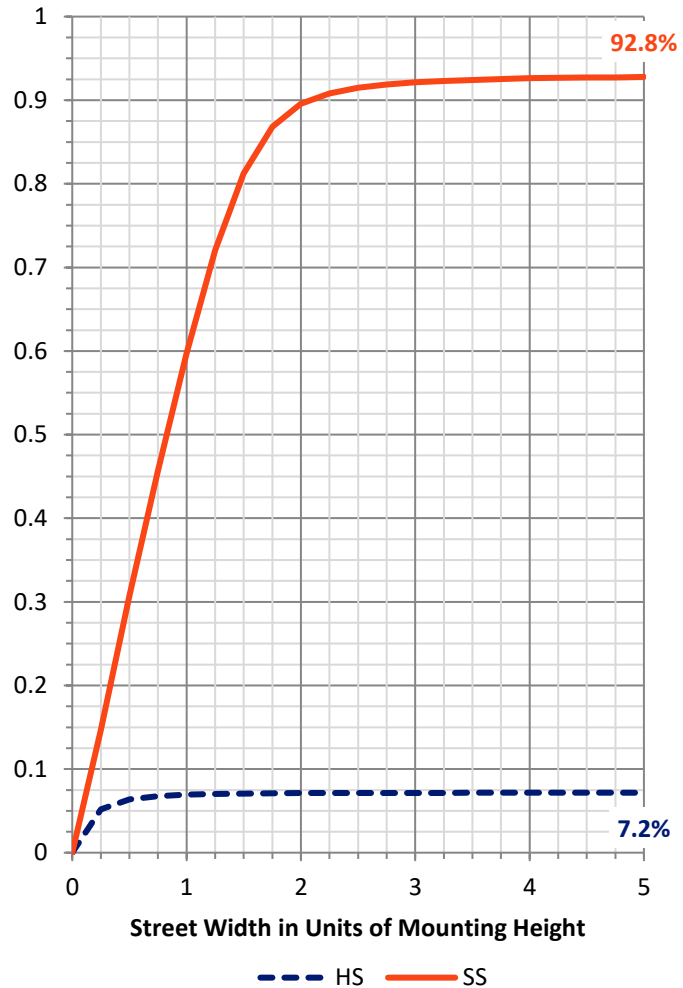
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1571.1	0.0	1571.1
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	20185.6	0.0	20185.6
	% Fixture	92.8	0.0	92.8
Total	Lumens	21756.7	0.0	21756.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.9	1.1
10°-20°	709.1	3.3
20°-30°	1218.6	5.6
30°-40°	2118.8	9.7
40°-50°	3697.1	17.0
50°-60°	5576.1	25.6
60°-70°	5591.4	25.7
70°-80°	2466.9	11.3
80°-90°	131.8	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°	21756.7	100.0
0°-180°	21756.7	100.0

Coefficient of Utilization



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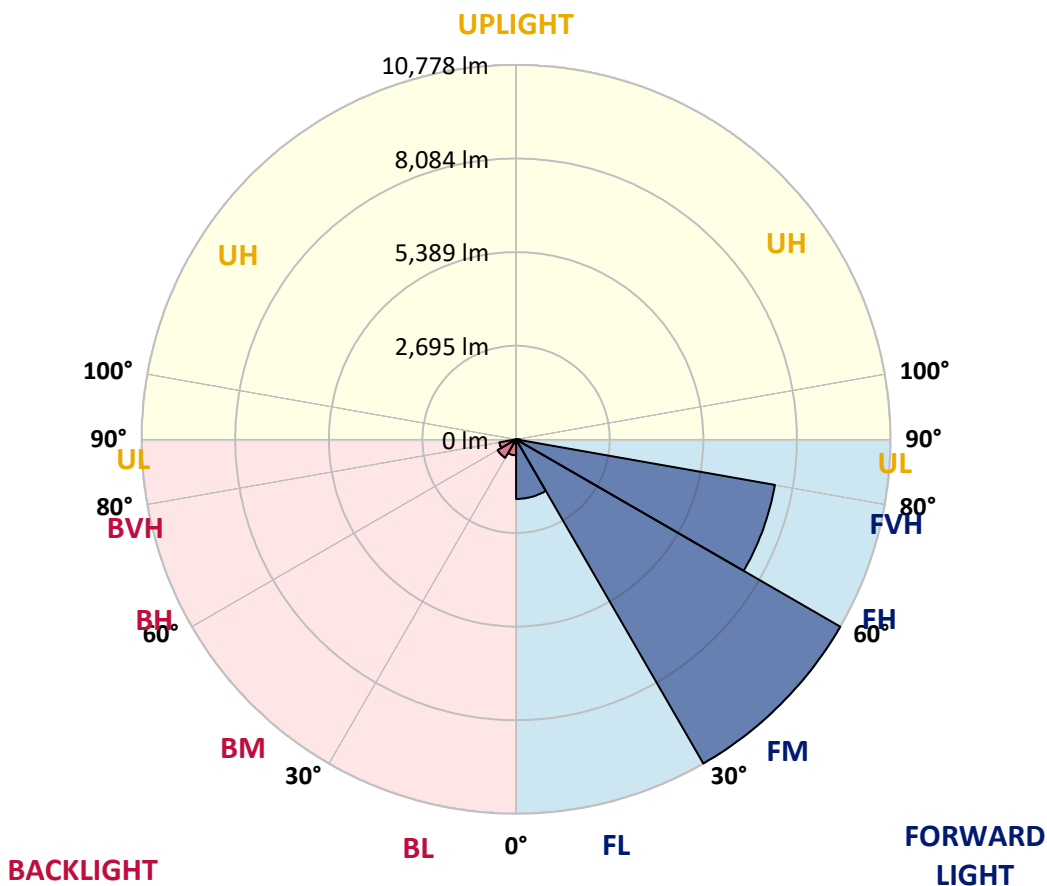
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1715.1	7.9			
FM (30°-60°)	10778.2	49.5			
FH (60°-80°)	7568.0	34.8			G4/12000
FVH (80°-90°)	124.3	0.6			G2/225
BL (0°-30°)	459.6	2.1	B1/500		
BM (30°-60°)	613.7	2.8	B1/1000		
BH (60°-80°)	490.3	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-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	2531.9	2531.9	2531.9	2531.9	2531.9	2531.9	2531.9	2531.9	2531.9	2531.9	2531.9
2.5°	2948.4	2967.1	2948.4	2952.5	2898.4	2873.4	2819.3	2744.3	2725.6	2677.7	2604.8
5°	3308.6	3325.2	3306.5	3302.3	3239.9	3194.1	3104.5	2975.4	2938.0	2844.3	2700.6
7.5°	3504.3	3514.7	3521.0	3531.4	3508.5	3471.0	3389.8	3229.5	3189.9	3037.9	2835.9
10°	3525.1	3533.5	3564.7	3627.2	3673.0	3695.9	3650.1	3502.2	3439.8	3291.9	3002.5
12.5°	3466.8	3479.3	3529.3	3633.4	3760.4	3877.0	3906.2	3777.1	3720.8	3531.4	3198.2
15°	3389.8	3400.2	3468.9	3610.5	3802.1	4016.5	4137.3	4081.1	4018.6	3820.8	3414.8
17.5°	3271.1	3285.7	3381.5	3573.0	3820.8	4126.9	4387.1	4405.9	4362.2	4147.7	3654.2
20°	3204.5	3214.9	3300.2	3498.1	3808.3	4208.1	4620.3	4797.3	4749.4	4524.6	3929.1
22.5°	3260.7	3269.0	3325.2	3479.3	3766.7	4253.9	4836.9	5188.8	5161.7	4928.5	4218.5
25°	3556.4	3583.4	3550.1	3577.2	3785.4	4278.9	5011.8	5580.2	5586.5	5351.2	4518.3
27.5°	4156.0	4120.6	4041.5	3906.2	3931.1	4345.5	5161.7	5948.8	6002.9	5763.5	4784.8
30°	4766.1	4745.3	4697.4	4487.1	4312.2	4493.3	5288.7	6325.7	6411.0	6169.5	5022.2
32.5°	5451.1	5472.0	5386.6	5134.6	4836.9	4793.2	5419.9	6683.8	6844.1	6629.7	5301.2
35°	6269.4	6275.7	6107.0	5828.0	5490.7	5288.7	5655.2	7079.4	7375.1	7216.8	5673.9
37.5°	7066.9	7104.4	7012.8	6573.4	6273.6	5905.1	6044.6	7587.5	8003.9	7941.4	6142.4
40°	7772.8	7831.1	7801.9	7377.2	6983.6	6673.4	6648.4	8183.0	8763.9	8834.7	6760.8
42.5°	8335.0	8372.4	8395.3	8093.4	7745.7	7570.8	7393.8	8874.2	9661.3	9950.7	7518.7
45°	8928.4	8940.9	8988.8	8784.7	8480.7	8495.3	8274.6	9713.4	10606.6	11187.5	8389.1
47.5°	9684.2	9725.8	9702.9	9488.5	9213.6	9378.1	9184.5	10577.5	11539.4	12507.6	9280.3
50°	10604.5	10648.3	10627.4	10377.6	10071.5	10140.2	10019.4	11416.6	12438.9	13752.8	10021.5
52.5°	11079.3	11114.7	11372.8	11485.3	11325.0	10887.7	10731.5	12339.0	13198.9	14777.2	10702.4
55°	10850.2	10875.2	11437.4	11912.1	12499.3	12062.0	11447.8	13051.1	13869.4	15576.8	11208.4
57.5°	9900.7	10036.1	10800.2	11604.0	12838.7	13221.8	12609.7	13825.7	14514.9	16132.7	11706.0
60°	7953.9	7947.7	9042.9	10485.8	12176.6	13540.4	14250.4	14873.0	15162.4	16559.5	12372.3
62.5°	4395.5	4435.0	5892.6	7793.6	10335.9	12715.9	15481.0	16682.4	16638.7	17305.0	13415.5
65°	2188.4	2267.5	3058.7	4464.2	6877.4	10508.7	15693.4	19443.4	19318.4	19060.2	15570.5
67.5°	1388.8	1420.0	1857.3	2594.4	3822.9	6754.6	14371.2	21502.6	21792.1	21142.4	17708.9
70°	899.5	951.6	1290.9	1774.0	2307.1	3481.4	10527.5	20168.0	20832.2	20913.4	16376.3
72.5°	489.3	526.8	824.5	1266.0	1665.7	1740.7	5913.4	15135.3	16203.5	17740.1	12811.6
75°	279.0	306.1	451.8	859.9	1222.2	1059.8	2621.5	10131.9	10812.7	12678.4	9180.3
77.5°	168.7	191.6	254.0	418.5	766.2	707.9	991.1	6167.4	6600.5	7564.5	4818.2
80°	77.0	91.6	160.3	231.1	418.5	335.2	379.0	2875.5	2969.2	3104.5	1594.9
82.5°	35.4	41.6	72.9	137.4	237.4	193.6	145.8	664.2	934.9	884.9	406.0
85°	4.2	4.2	27.1	56.2	66.6	50.0	60.4	149.9	189.5	266.5	116.6
87.5°	0.0	0.0	2.1	2.1	4.2	6.2	12.5	18.7	27.1	43.7	29.2
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°	2531.9	2531.9	2531.9	2531.9	2531.9	2531.9	2531.9	2531.9	2531.9	2531.9	2531.9
2.5°	2571.5	2513.2	2461.1	2384.1	2332.0	2273.7	2234.2	2186.3	2167.5	2153.0	2132.1
5°	2629.8	2536.1	2409.1	2267.5	2150.9	2040.5	1938.5	1871.9	1813.6	1805.2	1776.1
7.5°	2725.6	2586.1	2371.6	2140.5	1942.7	1759.4	1615.8	1499.2	1440.9	1422.1	1388.8
10°	2852.6	2661.0	2315.4	1961.4	1676.2	1457.5	1295.1	1163.9	1072.3	1039.0	1014.0
12.5°	2994.2	2729.7	2225.8	1740.7	1415.9	1166.0	959.9	820.4	762.1	741.3	722.5
15°	3156.6	2794.3	2084.3	1520.0	1161.9	857.9	712.1	651.7	626.7	620.5	614.2
17.5°	3312.7	2835.9	1915.6	1290.9	893.3	666.3	597.6	574.7	568.4	562.2	558.0
20°	3489.7	2865.1	1717.8	1074.4	693.4	564.3	531.0	514.3	501.8	489.3	487.2
22.5°	3670.9	2865.1	1503.3	862.0	580.9	506.0	468.5	437.3	414.4	401.9	397.7
25°	3843.7	2825.5	1290.9	689.2	512.2	449.8	401.9	366.5	335.2	320.7	316.5
27.5°	3966.5	2723.5	1105.6	583.0	464.3	399.8	341.5	301.9	276.9	262.4	260.3
30°	4043.6	2571.5	934.9	520.5	422.7	347.7	289.4	256.1	237.4	227.0	222.8
32.5°	4101.9	2384.1	782.9	476.8	383.1	301.9	251.9	224.9	208.2	199.9	197.8
35°	4218.5	2207.1	670.5	437.3	341.5	264.4	220.7	199.9	187.4	177.0	174.9
37.5°	4380.9	2059.3	580.9	401.9	301.9	235.3	199.9	181.1	170.7	160.3	158.2
40°	4620.3	1965.6	514.3	366.5	266.5	212.4	183.2	166.6	152.0	141.6	139.5
42.5°	4988.9	1921.8	470.6	331.1	235.3	191.6	168.7	147.8	133.3	122.8	120.8
45°	5428.2	1944.8	433.1	295.7	214.5	177.0	149.9	129.1	114.5	104.1	102.0
47.5°	5898.8	2026.0	401.9	262.4	193.6	162.4	133.3	110.4	97.9	87.5	85.4
50°	6390.2	2159.2	374.8	231.1	177.0	145.8	114.5	95.8	83.3	75.0	72.9
52.5°	6817.0	2340.4	347.7	208.2	162.4	129.1	99.9	83.3	70.8	62.5	60.4
55°	7225.2	2511.1	326.9	187.4	145.8	112.4	87.5	70.8	60.4	52.1	50.0
57.5°	7668.7	2692.3	301.9	168.7	131.2	99.9	77.0	60.4	52.1	43.7	41.6
60°	8314.1	2960.9	264.4	154.1	114.5	87.5	66.6	54.1	45.8	35.4	33.3
62.5°	9244.9	3450.2	222.8	133.3	97.9	75.0	56.2	45.8	37.5	29.2	25.0
65°	10985.6	4283.0	183.2	110.4	79.1	62.5	47.9	37.5	29.2	20.8	18.7
67.5°	12239.0	4499.6	147.8	89.5	64.5	47.9	39.6	29.2	20.8	14.6	12.5
70°	10700.3	3231.5	114.5	72.9	54.1	37.5	31.2	22.9	14.6	10.4	8.3
72.5°	8062.2	2111.3	85.4	56.2	41.6	31.2	22.9	18.7	12.5	8.3	6.2
75°	5682.3	1220.2	62.5	41.6	29.2	22.9	18.7	14.6	10.4	6.2	6.2
77.5°	2913.0	503.9	43.7	29.2	20.8	14.6	12.5	8.3	8.3	6.2	4.2
80°	884.9	166.6	25.0	18.7	14.6	10.4	6.2	6.2	6.2	4.2	2.1
82.5°	202.0	54.1	14.6	14.6	10.4	8.3	6.2	2.1	2.1	0.0	0.0
85°	52.1	16.7	12.5	10.4	10.4	8.3	4.2	2.1	0.0	0.0	0.0
87.5°	18.7	10.4	10.4	10.4	8.3	6.2	4.2	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)