

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: P642623

Luminaire Tested: GWS-SA6D-730-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23947.7 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

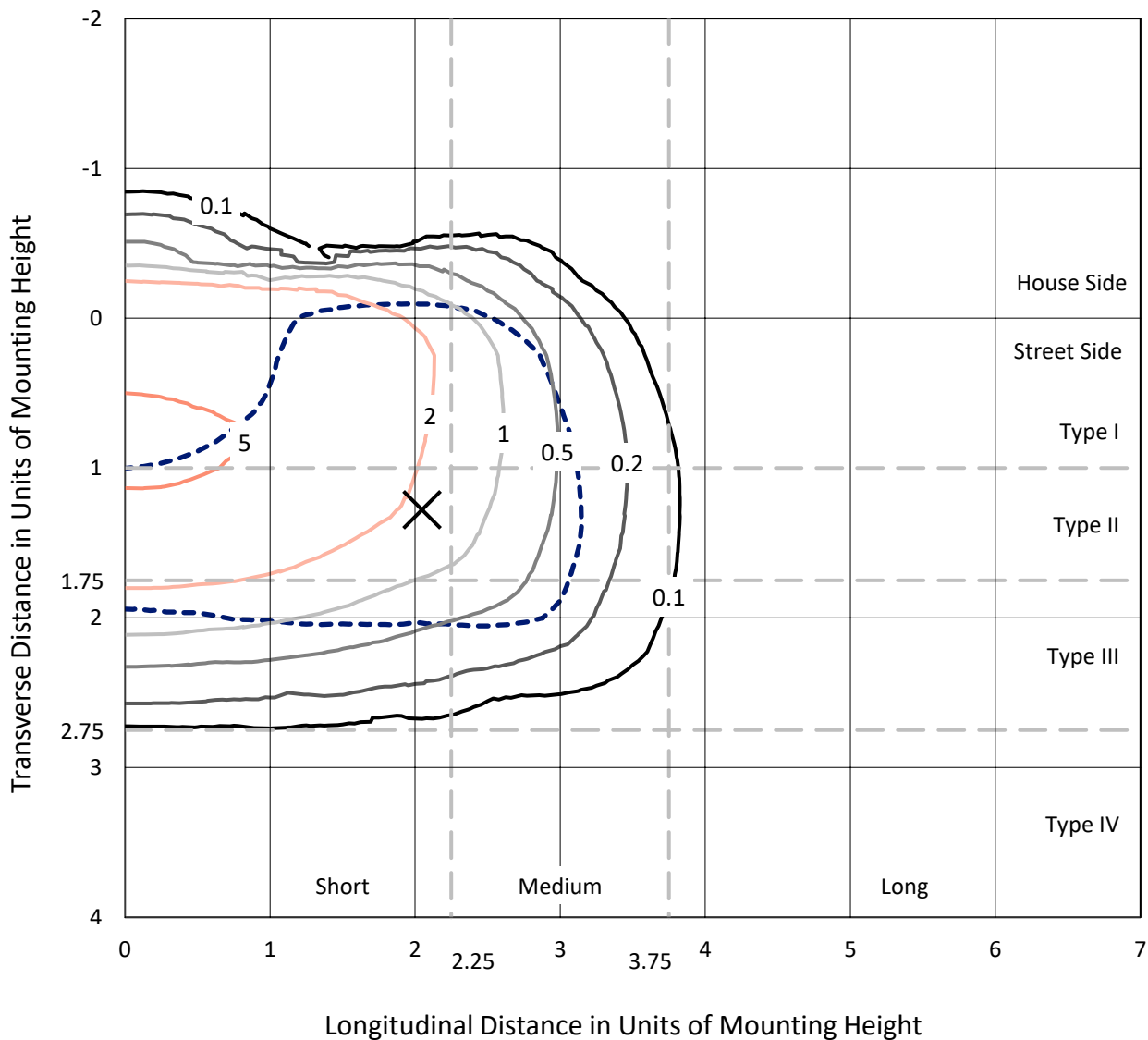
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

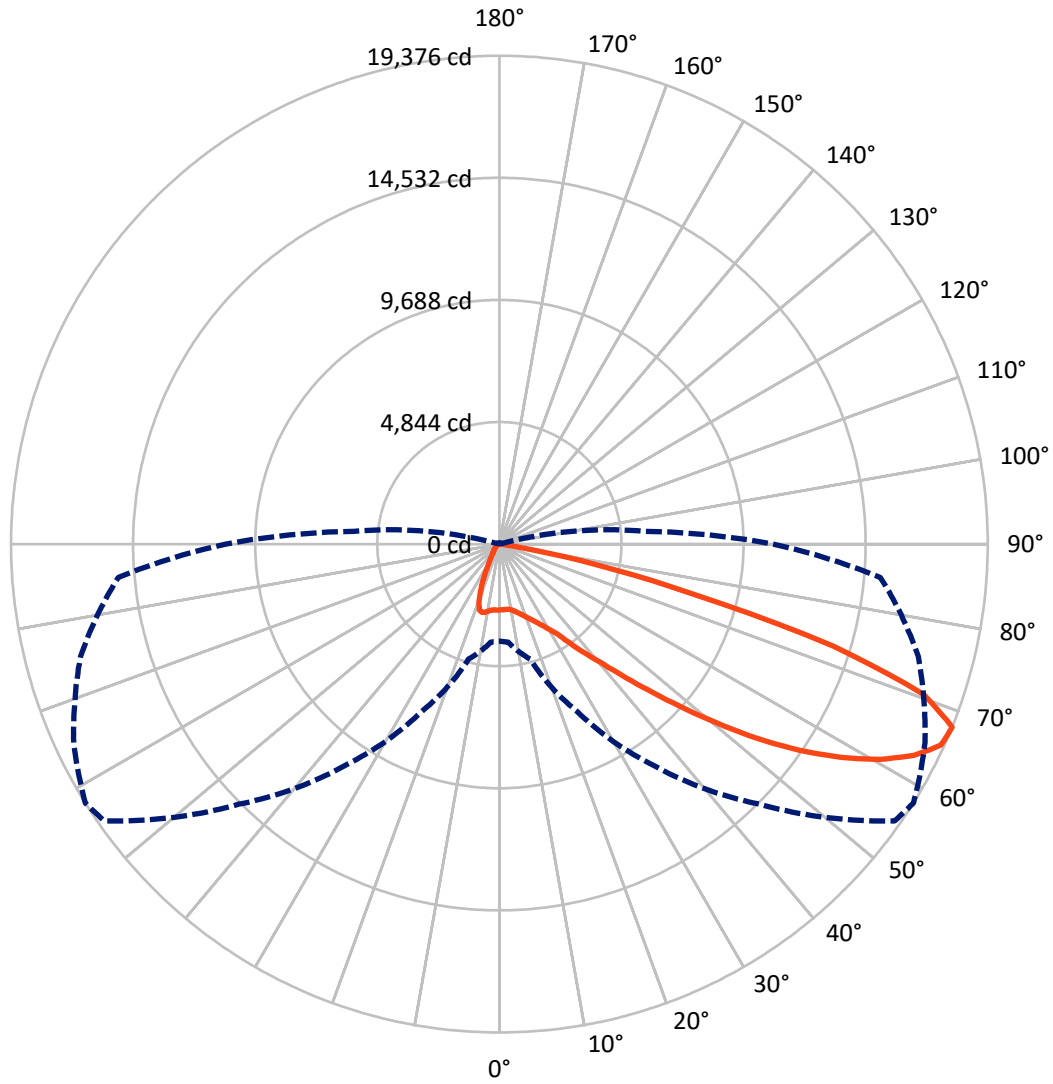
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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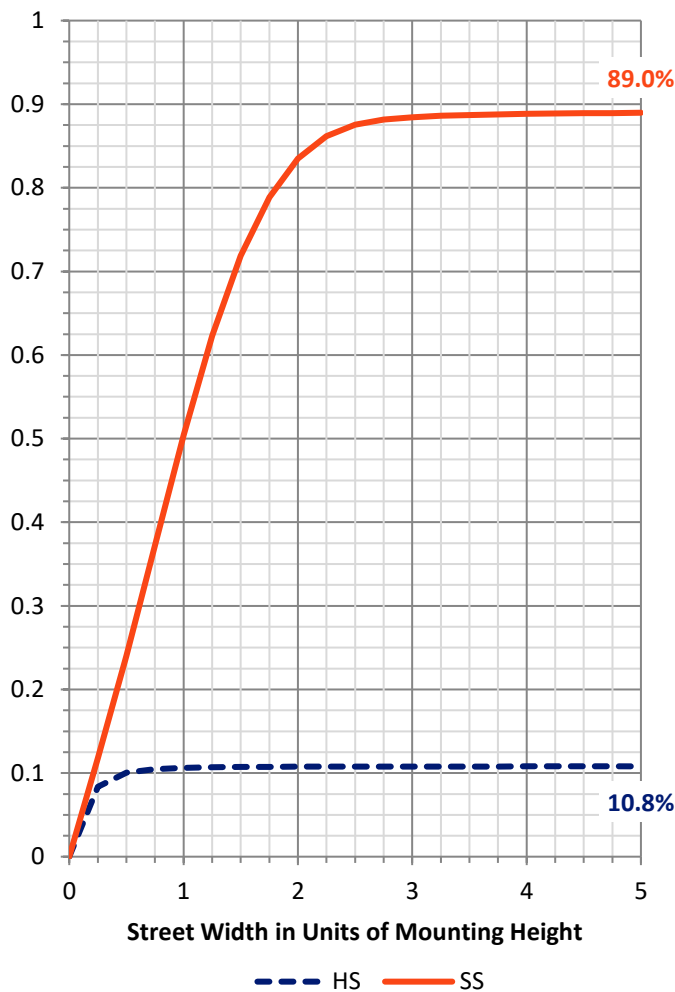
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2612.6	0.0	2612.6
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	21335.1	0.0	21335.1
	% Fixture	89.1	0.0	89.1
Total	Lumens	23947.7	0.0	23947.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.1	1.0
10°-20°	688.3	2.9
20°-30°	1201.4	5.0
30°-40°	2145.6	9.0
40°-50°	3921.7	16.4
50°-60°	6522.2	27.2
60°-70°	7084.2	29.6
70°-80°	2080.0	8.7
80°-90°	59.2	0.2
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°	23947.7	100.0
0°-180°	23947.7	100.0

Coefficient of Utilization



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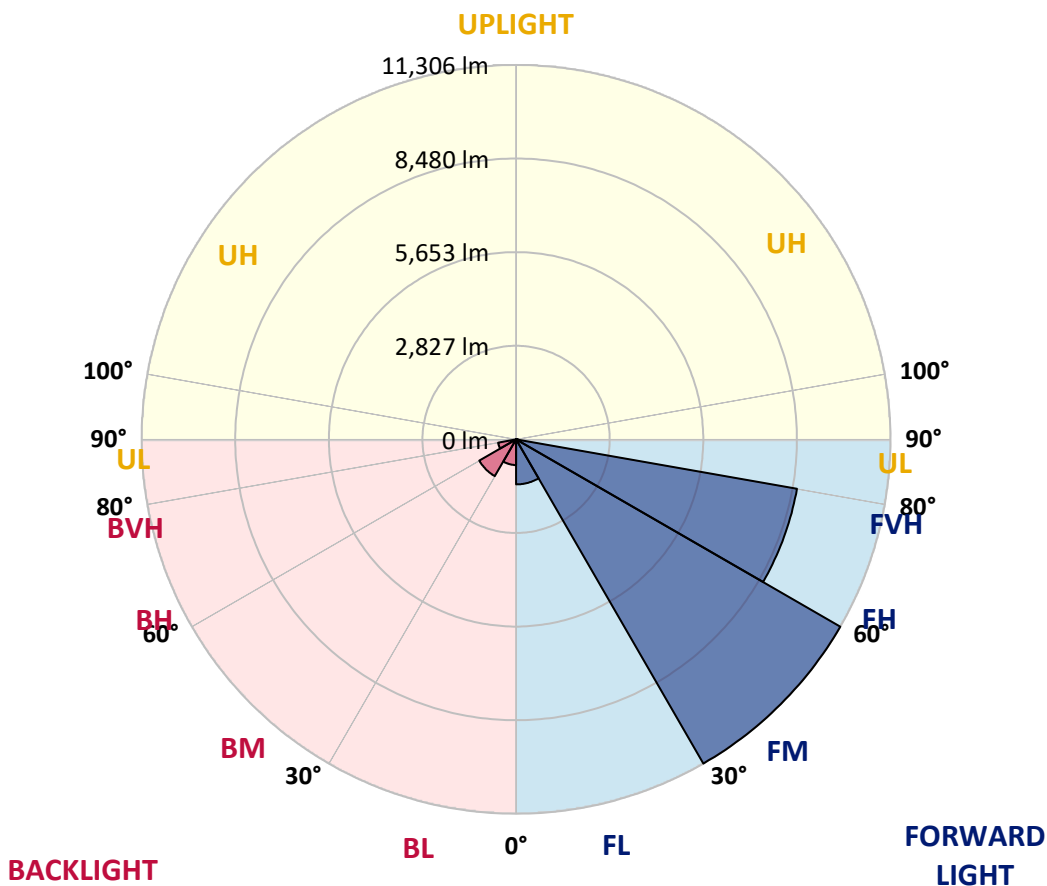
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1359.9	5.7			
FM (30°-60°)	11306.2	47.2			
FH (60°-80°)	8612.7	36.0			G4/12000
FVH (80°-90°)	56.3	0.2			G1/100
BL (0°-30°)	775.0	3.2	B2/1000		
BM (30°-60°)	1283.2	5.4	B2/2500		
BH (60°-80°)	551.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	2.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2609.6	2609.6	2609.6	2609.6	2609.6	2609.6	2609.6	2609.6	2609.6	2609.6	2609.6
2.5°	2560.5	2555.8	2555.8	2574.5	2576.8	2586.2	2607.2	2609.6	2621.3	2616.6	2600.2
5°	2427.2	2429.5	2443.6	2476.3	2504.4	2539.4	2590.9	2602.6	2628.3	2642.3	2633.0
7.5°	2303.3	2305.6	2326.6	2378.1	2431.9	2502.0	2586.2	2609.6	2661.0	2698.4	2700.8
10°	2256.5	2254.2	2275.2	2333.7	2403.8	2502.0	2623.6	2654.0	2731.2	2796.7	2808.3
12.5°	2270.5	2268.2	2289.2	2343.0	2420.2	2544.1	2689.1	2731.2	2829.4	2929.9	2951.0
15°	2326.6	2324.3	2338.3	2382.8	2466.9	2595.6	2773.3	2836.4	2960.3	3081.9	3114.7
17.5°	2495.0	2483.3	2469.3	2474.0	2523.1	2656.4	2880.8	2958.0	3112.3	3257.3	3285.4
20°	2794.3	2763.9	2726.5	2677.4	2654.0	2745.2	3004.8	3093.6	3280.7	3446.7	3451.4
22.5°	3245.6	3233.9	3147.4	3004.8	2904.2	2906.6	3149.7	3252.6	3481.8	3664.2	3638.5
25°	3874.6	3867.6	3734.3	3500.5	3238.6	3149.7	3334.5	3439.7	3720.3	3914.4	3832.5
27.5°	4655.6	4606.5	4449.9	4134.2	3743.7	3465.4	3568.3	3661.8	3972.8	4155.2	4000.9
30°	5336.1	5338.4	5191.1	4861.4	4421.8	3940.1	3853.6	3935.4	4204.3	4396.1	4209.0
32.5°	5990.8	6011.9	5850.5	5553.5	5071.9	4559.8	4262.8	4276.8	4501.3	4709.4	4482.6
35°	6598.8	6615.2	6502.9	6250.4	5801.4	5207.5	4833.3	4826.3	4947.9	5160.7	4863.7
37.5°	7279.2	7295.6	7185.7	6958.9	6538.0	5948.7	5481.1	5471.7	5520.8	5693.9	5354.8
40°	8004.1	8034.5	7912.9	7721.2	7319.0	6820.9	6234.0	6149.8	6100.7	6304.2	5990.8
42.5°	8738.4	8785.1	8743.0	8551.3	8207.6	7796.0	7211.4	7080.5	6975.3	7230.1	6898.1
45°	9650.3	9706.4	9687.7	9540.4	9273.8	8939.5	8387.6	8235.6	8186.5	8422.7	8027.5
47.5°	10527.2	10588.0	10655.8	10623.1	10433.7	10279.3	9666.7	9580.2	9566.1	9818.7	9206.0
50°	11179.6	11235.7	11495.3	11682.3	11810.9	11778.2	11247.4	11118.8	11097.7	11259.1	10450.0
52.5°	11647.3	11701.0	12058.8	12643.4	13115.7	13372.9	12837.5	12809.4	12694.8	12638.7	11614.5
55°	12009.7	12084.5	12461.0	13344.9	14296.6	14867.1	14532.8	14432.2	14137.6	13814.9	12694.8
57.5°	12082.2	12112.6	12643.4	13835.9	15213.2	16136.9	16136.9	15961.5	15393.3	14946.6	13943.5
60°	11432.1	11525.7	12243.5	13796.2	15606.1	16967.0	17467.4	17345.8	16578.8	16029.3	15145.4
62.5°	9989.4	10094.6	10969.1	12844.5	15213.2	17137.7	18475.2	18456.5	17591.3	16924.9	16141.5
65°	7660.4	7737.6	8499.9	10744.7	13553.0	16480.6	19195.4	19246.8	18391.0	17516.5	16485.3
67.5°	3848.9	3902.7	4725.8	7340.0	10742.3	14588.9	19146.3	19375.5	18634.2	17203.1	15173.5
70°	1344.5	1398.3	1786.5	3149.7	6538.0	11139.8	17490.8	17864.9	17205.5	14684.8	11193.6
72.5°	460.7	486.4	741.3	1169.2	2544.1	6603.5	13300.5	13864.0	12683.1	9858.4	6432.8
75°	261.9	278.3	397.5	633.7	1066.3	2172.3	7545.8	7891.9	7393.8	5373.5	2647.0
77.5°	177.7	191.7	247.9	360.1	589.3	699.2	3077.3	3874.6	3378.9	1753.8	675.8
80°	105.2	114.6	152.0	212.8	301.6	271.2	659.4	876.9	1129.4	523.8	203.4
82.5°	49.1	56.1	98.2	140.3	152.0	114.6	194.1	236.2	318.0	257.2	84.2
85°	0.0	0.0	32.7	58.5	56.1	32.7	53.8	58.5	86.5	128.6	32.7
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	4.7	7.0	14.0	25.7	14.0
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°	2609.6	2609.6	2609.6	2609.6	2609.6	2609.6	2609.6	2609.6	2609.6	2609.6	2609.6
2.5°	2618.9	2602.6	2621.3	2611.9	2621.3	2618.9	2600.2	2588.5	2588.5	2567.5	2560.5
5°	2651.7	2635.3	2640.0	2618.9	2614.3	2602.6	2579.2	2569.8	2569.8	2548.8	2541.8
7.5°	2724.2	2698.4	2693.8	2651.7	2633.0	2600.2	2558.1	2541.8	2539.4	2518.4	2511.4
10°	2838.7	2808.3	2787.3	2733.5	2679.7	2614.3	2525.4	2450.6	2408.5	2352.4	2347.7
12.5°	2979.0	2941.6	2908.9	2827.0	2738.2	2590.9	2329.0	2055.4	1887.0	1753.8	1763.1
15°	3135.7	3100.6	3049.2	2925.3	2742.9	2359.4	1812.2	1391.3	1185.5	1075.6	1071.0
17.5°	3306.4	3255.0	3170.8	3002.4	2595.6	1802.9	1178.5	832.4	724.9	687.5	678.1
20°	3465.4	3402.3	3297.1	3018.8	2170.0	1220.6	736.6	645.4	626.7	615.0	615.0
22.5°	3633.8	3554.3	3397.6	2892.5	1613.5	781.0	626.7	605.6	591.6	575.2	572.9
25°	3804.5	3701.6	3488.8	2562.8	1056.9	615.0	586.9	563.5	537.8	512.1	505.1
27.5°	3949.5	3816.2	3558.9	2071.8	678.1	554.2	535.5	495.7	460.7	432.6	427.9
30°	4122.5	3951.8	3589.3	1515.2	533.1	488.7	460.7	418.6	376.5	348.4	339.1
32.5°	4354.0	4166.9	3542.6	986.8	472.3	430.3	385.8	336.7	294.6	264.2	259.6
35°	4714.1	4491.9	3327.5	629.0	427.9	371.8	318.0	266.6	231.5	208.1	203.4
37.5°	5153.7	4947.9	2974.4	472.3	383.5	322.7	259.6	210.5	184.7	168.4	163.7
40°	5806.1	5518.5	2537.1	413.9	339.1	273.6	212.8	173.0	154.3	140.3	135.6
42.5°	6652.6	6191.9	2034.4	376.5	297.0	229.2	173.0	142.6	126.3	116.9	114.6
45°	7641.7	6849.0	1503.6	339.1	257.2	189.4	142.6	116.9	105.2	98.2	95.9
47.5°	8654.2	7424.2	1038.2	299.3	219.8	156.7	119.3	100.5	91.2	81.8	79.5
50°	9734.5	7910.6	708.5	259.6	187.1	128.6	102.9	91.2	79.5	72.5	70.2
52.5°	10527.2	8090.6	493.4	224.5	159.0	109.9	91.2	81.8	72.5	63.1	60.8
55°	11259.1	8086.0	374.1	189.4	135.6	95.9	81.8	72.5	63.1	56.1	53.8
57.5°	11988.7	8022.8	294.6	161.3	116.9	86.5	72.5	63.1	58.5	49.1	46.8
60°	12461.0	7784.3	229.2	135.6	100.5	74.8	63.1	56.1	49.1	42.1	39.8
62.5°	12711.2	7452.3	175.4	107.6	81.8	65.5	56.1	49.1	42.1	35.1	32.7
65°	12372.1	6863.0	138.0	84.2	63.1	56.1	46.8	39.8	32.7	25.7	23.4
67.5°	10868.6	5787.4	107.6	67.8	49.1	42.1	39.8	32.7	23.4	18.7	16.4
70°	7681.4	3963.5	84.2	51.4	37.4	32.7	30.4	25.7	18.7	14.0	11.7
72.5°	4216.0	1999.3	60.8	37.4	28.1	25.7	23.4	21.0	16.4	11.7	11.7
75°	1622.8	549.5	44.4	25.7	18.7	18.7	16.4	16.4	14.0	9.4	9.4
77.5°	423.2	163.7	28.1	16.4	11.7	11.7	11.7	9.4	9.4	7.0	7.0
80°	135.6	53.8	16.4	11.7	9.4	7.0	7.0	4.7	7.0	4.7	4.7
82.5°	44.4	18.7	9.4	9.4	7.0	4.7	4.7	2.3	2.3	0.0	0.0
85°	16.4	9.4	7.0	4.7	4.7	4.7	2.3	0.0	0.0	0.0	0.0
87.5°	9.4	4.7	4.7	4.7	4.7	2.3	0.0	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)