

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: P642293

Luminaire Tested: GWS-SA6C-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642293
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-SA6C-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21323.6 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

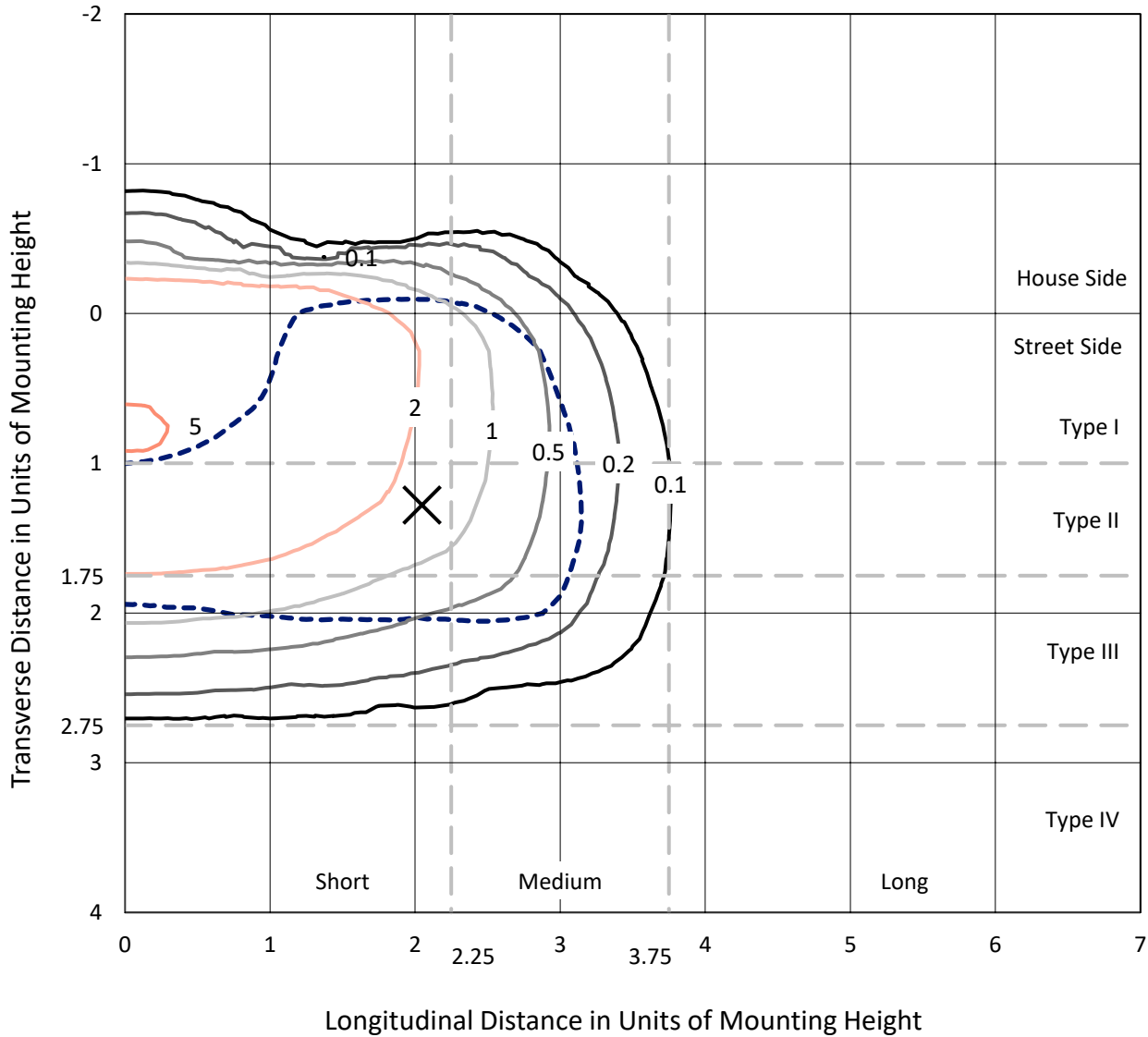
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

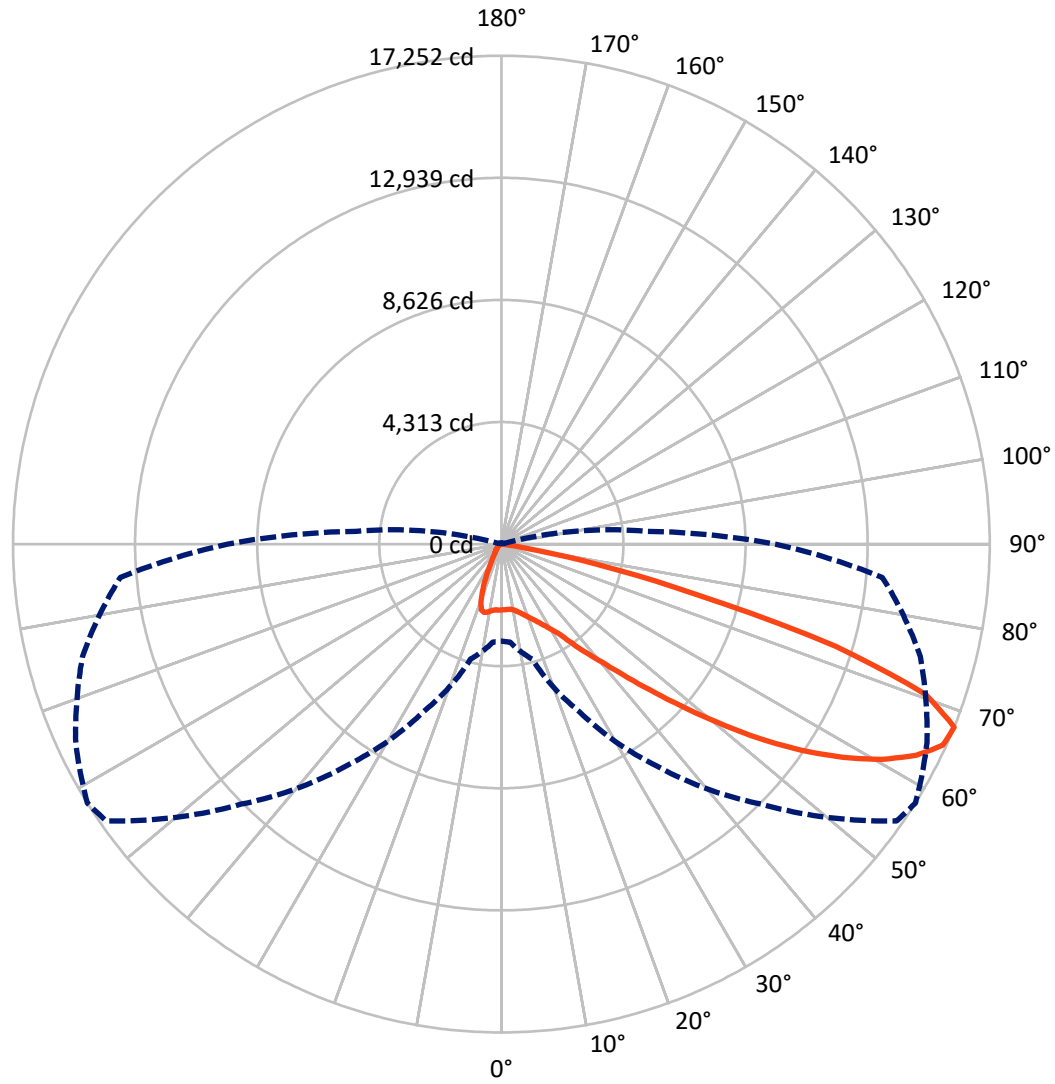
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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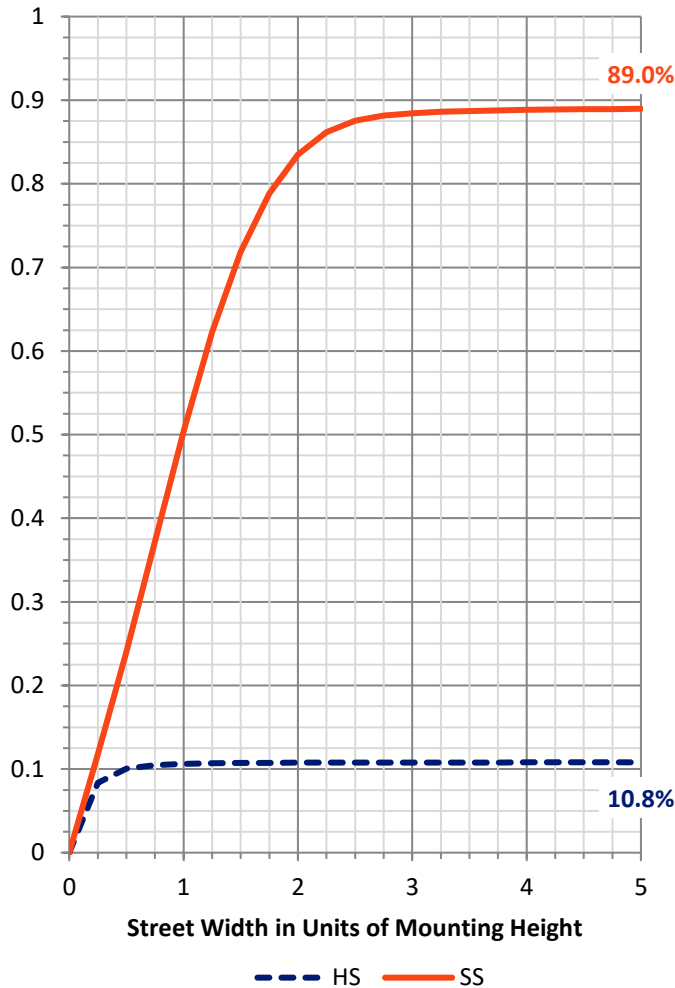
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2326.4	0.0	2326.4
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	18997.2	0.0	18997.2
	% Fixture	89.1	0.0	89.1
Total	Lumens	21323.6	0.0	21323.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	1.0
10°-20°	612.9	2.9
20°-30°	1069.8	5.0
30°-40°	1910.5	9.0
40°-50°	3492.0	16.4
50°-60°	5807.5	27.2
60°-70°	6307.9	29.6
70°-80°	1852.1	8.7
80°-90°	52.7	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°	21323.6	100.0
0°-180°	21323.6	100.0

Coefficient of Utilization



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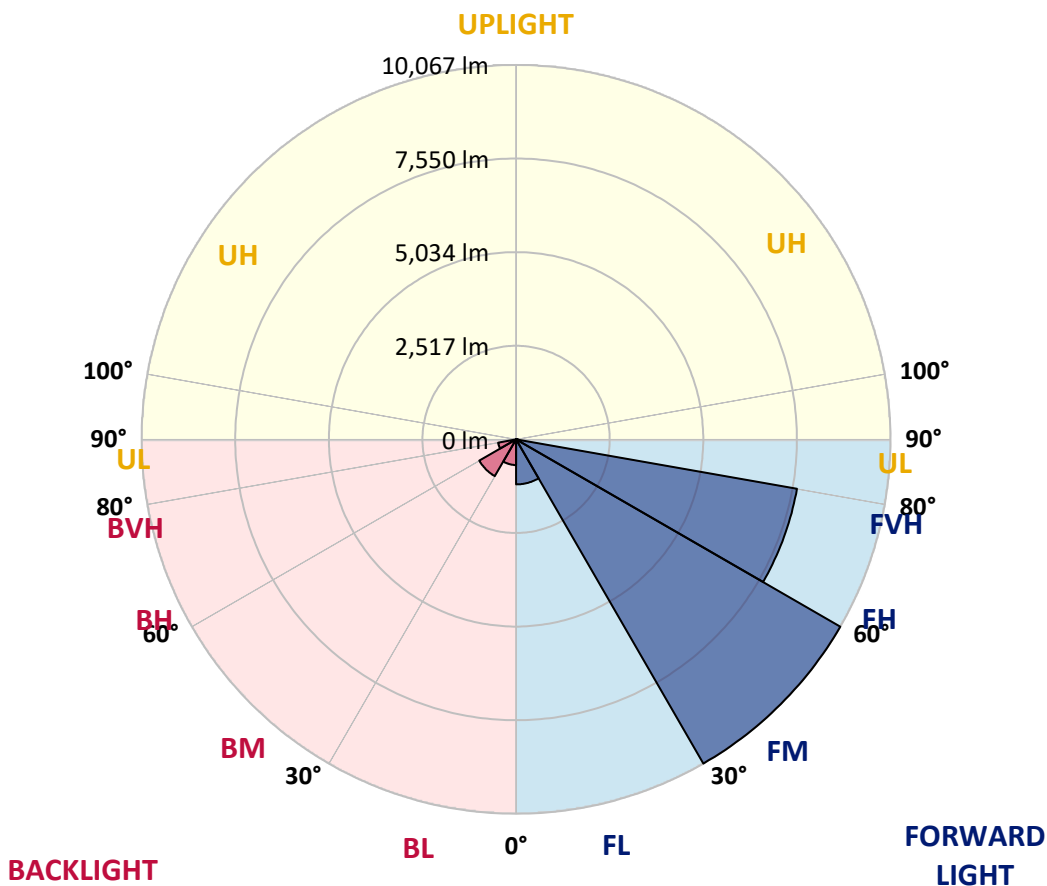
CATALOG NUMBER: GWS-SA6C-750-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1210.8	5.7			
FM (30°-60°)	10067.3	47.2			
FH (60°-80°)	7668.9	36.0			G4/12000
FVH (80°-90°)	50.1	0.2			G1/100
BL (0°-30°)	690.1	3.2	B2/1000		
BM (30°-60°)	1142.6	5.4	B2/2500		
BH (60°-80°)	491.1	2.3	B1/500		G1/500
BVH (80°-90°)	2.6	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°	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6
2.5°	2279.9	2275.7	2275.7	2292.4	2294.5	2302.8	2321.6	2323.6	2334.0	2329.9	2315.3
5°	2161.2	2163.3	2175.8	2205.0	2229.9	2261.2	2307.0	2317.4	2340.3	2352.8	2344.5
7.5°	2050.9	2053.0	2071.7	2117.5	2165.4	2227.9	2302.8	2323.6	2369.4	2402.8	2404.8
10°	2009.2	2007.2	2025.9	2077.9	2140.4	2227.9	2336.1	2363.2	2431.9	2490.2	2500.6
12.5°	2021.7	2019.6	2038.4	2086.3	2155.0	2265.3	2394.4	2431.9	2519.4	2608.9	2627.6
15°	2071.7	2069.6	2082.1	2121.7	2196.6	2311.1	2469.4	2525.6	2636.0	2744.2	2773.4
17.5°	2221.6	2211.2	2198.7	2202.9	2246.6	2365.3	2565.2	2633.9	2771.3	2900.4	2925.4
20°	2488.1	2461.1	2427.7	2384.0	2363.2	2444.4	2675.5	2754.6	2921.2	3069.0	3073.2
22.5°	2890.0	2879.6	2802.5	2675.5	2586.0	2588.1	2804.6	2896.2	3100.3	3262.7	3239.8
25°	3450.1	3443.8	3325.1	3116.9	2883.7	2804.6	2969.1	3062.8	3312.6	3485.5	3412.6
27.5°	4145.5	4101.8	3962.3	3681.2	3333.5	3085.7	3177.3	3260.6	3537.5	3699.9	3562.5
30°	4751.4	4753.5	4622.3	4328.7	3937.3	3508.4	3431.3	3504.2	3743.6	3914.4	3747.8
32.5°	5334.4	5353.1	5209.4	4945.0	4516.1	4060.1	3795.7	3808.2	4008.1	4193.4	3991.4
35°	5875.7	5890.3	5790.3	5565.5	5165.7	4636.9	4303.7	4297.5	4405.7	4595.2	4330.8
37.5°	6481.6	6496.2	6398.3	6196.4	5821.6	5296.9	4880.5	4872.1	4915.9	5069.9	4768.0
40°	7127.1	7154.1	7045.9	6875.1	6517.0	6073.5	5550.9	5476.0	5432.2	5613.4	5334.4
42.5°	7780.8	7822.5	7785.0	7614.3	7308.2	6941.8	6421.2	6304.6	6210.9	6437.9	6142.2
45°	8592.9	8642.8	8626.2	8495.0	8257.7	7959.9	7468.5	7333.2	7289.5	7499.8	7147.9
47.5°	9373.7	9427.8	9488.2	9459.0	9290.4	9153.0	8607.4	8530.4	8517.9	8742.8	8197.3
50°	9954.6	10004.5	10235.7	10402.2	10516.7	10487.6	10015.0	9900.4	9881.7	10025.4	9305.0
52.5°	10371.0	10418.9	10737.4	11258.0	11678.6	11907.6	11430.8	11405.8	11303.8	11253.8	10341.8
55°	10693.7	10760.3	11095.6	11882.6	12730.0	13238.1	12940.3	12850.8	12588.4	12301.1	11303.8
57.5°	10758.3	10785.3	11258.0	12319.8	13546.2	14368.6	14368.6	14212.5	13706.5	13308.9	12415.6
60°	10179.4	10262.7	10901.9	12284.5	13896.0	15107.8	15553.4	15445.1	14762.2	14272.9	13485.8
62.5°	8894.8	8988.5	9767.2	11437.0	13546.2	15259.8	16450.8	16434.1	15663.7	15070.3	14372.8
65°	6821.0	6889.7	7568.5	9567.3	12067.9	14674.7	17092.0	17137.9	16375.8	15597.1	14678.9
67.5°	3427.2	3475.0	4207.9	6535.7	9565.2	12990.3	17048.3	17252.4	16592.3	15318.1	13510.8
70°	1197.2	1245.1	1590.7	2804.6	5821.6	9919.2	15574.2	15907.3	15320.2	13075.7	9967.1
72.5°	410.2	433.1	660.0	1041.1	2265.3	5879.9	11843.0	12344.8	11293.4	8778.2	5727.9
75°	233.2	247.8	354.0	564.3	949.4	1934.3	6719.0	7027.1	6583.6	4784.7	2356.9
77.5°	158.2	170.7	220.7	320.6	524.7	622.6	2740.1	3450.1	3008.6	1561.6	601.7
80°	93.7	102.0	135.3	189.5	268.6	241.5	587.2	780.8	1005.7	466.4	181.1
82.5°	43.7	50.0	87.4	124.9	135.3	102.0	172.8	210.3	283.2	229.0	75.0
85°	0.0	0.0	29.1	52.1	50.0	29.1	47.9	52.1	77.0	114.5	29.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.1	4.2	6.2	12.5	22.9	12.5
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°	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6	2323.6
2.5°	2332.0	2317.4	2334.0	2325.7	2334.0	2332.0	2315.3	2304.9	2304.9	2286.2	2279.9
5°	2361.1	2346.5	2350.7	2332.0	2327.8	2317.4	2296.6	2288.2	2288.2	2269.5	2263.3
7.5°	2425.7	2402.8	2398.6	2361.1	2344.5	2315.3	2277.8	2263.3	2261.2	2242.4	2236.2
10°	2527.7	2500.6	2481.9	2434.0	2386.1	2327.8	2248.7	2182.1	2144.6	2094.6	2090.4
12.5°	2652.6	2619.3	2590.1	2517.3	2438.2	2307.0	2073.8	1830.2	1680.3	1561.6	1569.9
15°	2792.1	2760.9	2715.1	2604.7	2442.3	2100.8	1613.6	1238.9	1055.6	957.8	953.6
17.5°	2944.1	2898.3	2823.3	2673.4	2311.1	1605.3	1049.4	741.2	645.5	612.1	603.8
20°	3085.7	3029.5	2935.8	2688.0	1932.2	1086.9	655.9	574.7	558.0	547.6	547.6
22.5°	3235.6	3164.8	3025.3	2575.6	1436.7	695.4	558.0	539.3	526.8	512.2	510.1
25°	3387.6	3296.0	3106.5	2282.0	941.1	547.6	522.6	501.8	478.9	456.0	449.7
27.5°	3516.7	3398.0	3169.0	1844.7	603.8	493.5	476.8	441.4	410.2	385.2	381.0
30°	3670.8	3518.8	3196.0	1349.2	474.7	435.2	410.2	372.7	335.2	310.2	301.9
32.5°	3876.9	3710.3	3154.4	878.7	420.6	383.1	343.5	299.8	262.3	235.3	231.1
35°	4197.5	3999.7	2962.8	560.1	381.0	331.1	283.2	237.4	206.1	185.3	181.1
37.5°	4589.0	4405.7	2648.4	420.6	341.5	287.3	231.1	187.4	164.5	149.9	145.7
40°	5169.9	4913.8	2259.1	368.5	301.9	243.6	189.5	154.1	137.4	124.9	120.8
42.5°	5923.6	5513.4	1811.4	335.2	264.4	204.0	154.1	127.0	112.4	104.1	102.0
45°	6804.3	6098.5	1338.8	301.9	229.0	168.7	127.0	104.1	93.7	87.4	85.4
47.5°	7705.9	6610.7	924.5	266.5	195.7	139.5	106.2	89.5	81.2	72.9	70.8
50°	8667.8	7043.8	630.9	231.1	166.6	114.5	91.6	81.2	70.8	64.5	62.5
52.5°	9373.7	7204.1	439.3	199.9	141.6	97.9	81.2	72.9	64.5	56.2	54.1
55°	10025.4	7199.9	333.1	168.7	120.8	85.4	72.9	64.5	56.2	50.0	47.9
57.5°	10675.0	7143.7	262.3	143.7	104.1	77.0	64.5	56.2	52.1	43.7	41.6
60°	11095.6	6931.3	204.0	120.8	89.5	66.6	56.2	50.0	43.7	37.5	35.4
62.5°	11318.4	6635.7	156.2	95.8	72.9	58.3	50.0	43.7	37.5	31.2	29.1
65°	11016.4	6111.0	122.8	75.0	56.2	50.0	41.6	35.4	29.1	22.9	20.8
67.5°	9677.6	5153.2	95.8	60.4	43.7	37.5	35.4	29.1	20.8	16.7	14.6
70°	6839.7	3529.2	75.0	45.8	33.3	29.1	27.1	22.9	16.7	12.5	10.4
72.5°	3754.0	1780.2	54.1	33.3	25.0	22.9	20.8	18.7	14.6	10.4	10.4
75°	1445.0	489.3	39.6	22.9	16.7	16.7	14.6	14.6	12.5	8.3	8.3
77.5°	376.9	145.7	25.0	14.6	10.4	10.4	10.4	8.3	8.3	6.2	6.2
80°	120.8	47.9	14.6	10.4	8.3	6.2	6.2	4.2	6.2	4.2	4.2
82.5°	39.6	16.7	8.3	8.3	6.2	4.2	4.2	2.1	2.1	0.0	0.0
85°	14.6	8.3	6.2	4.2	4.2	4.2	2.1	0.0	0.0	0.0	0.0
87.5°	8.3	4.2	4.2	4.2	4.2	2.1	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)