

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: P637347

Luminaire Tested: GWS-SA4C-750-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-750-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15544.1 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

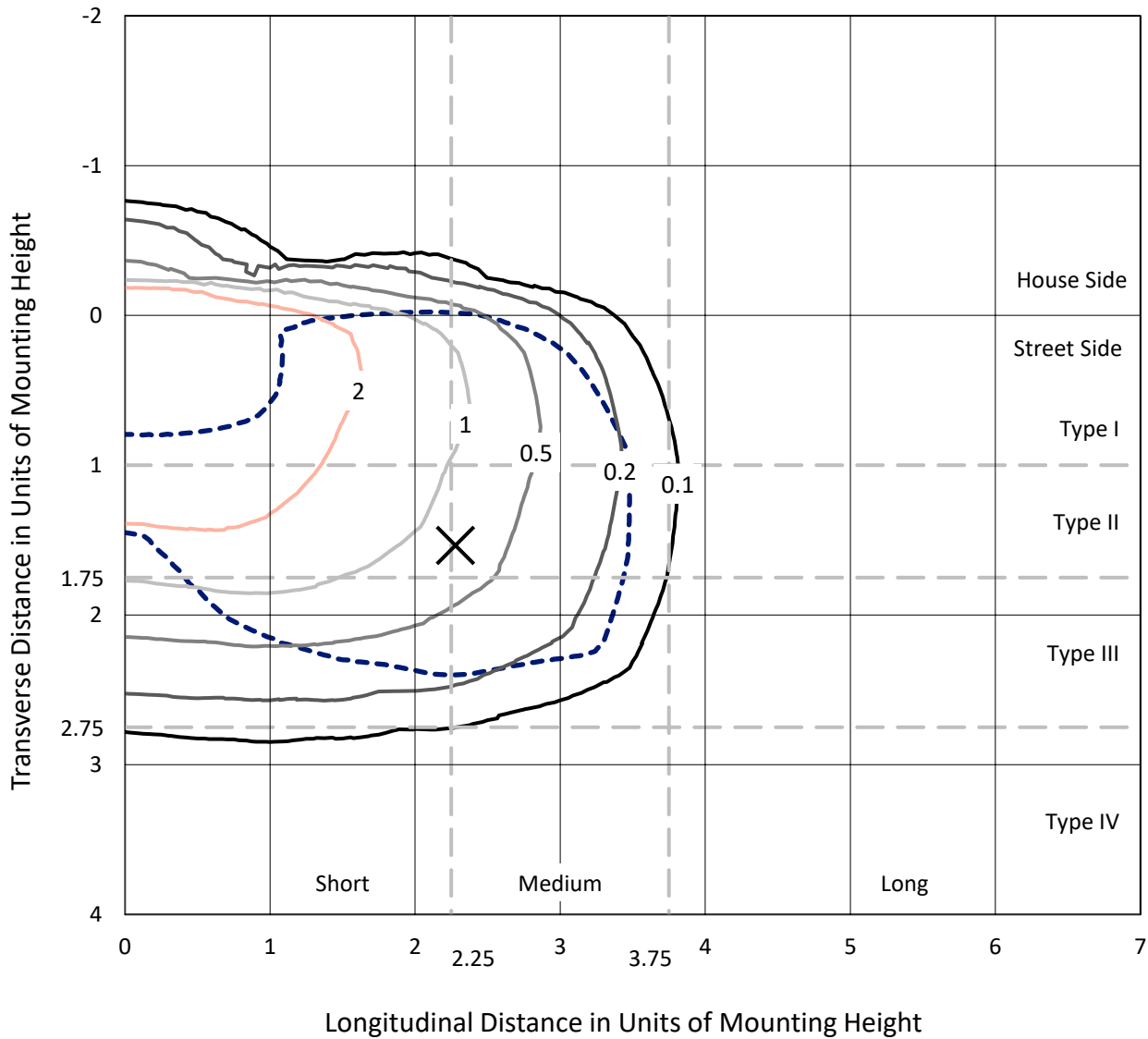
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637347
 CATALOG NUMBER: GWS-SA4C-750-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

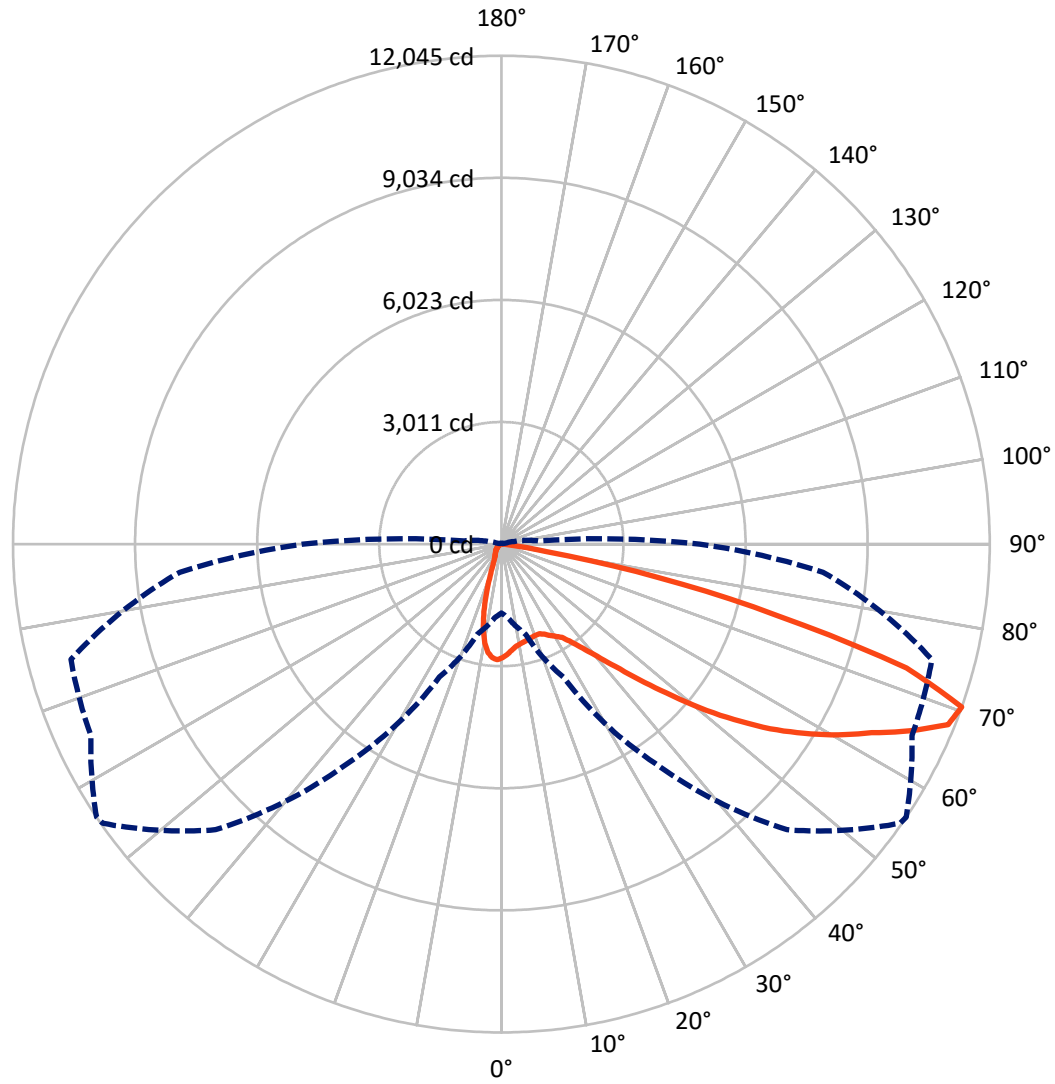
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P637347
CATALOG NUMBER: GWS-SA4C-750-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P637347

CATALOG NUMBER: GWS-SA4C-750-U-T3R-W-HSS

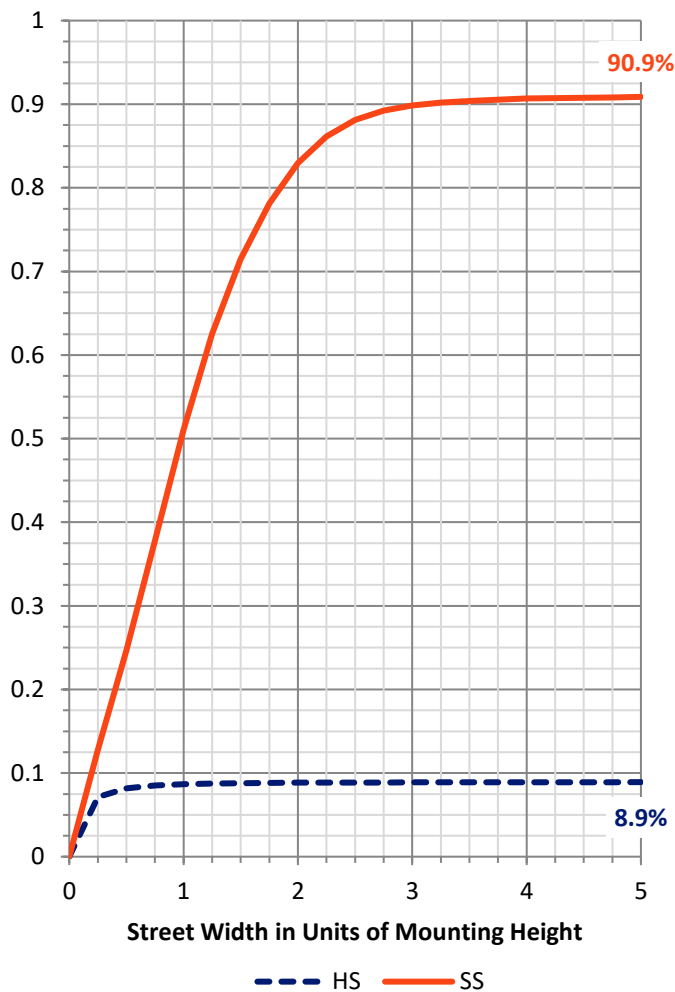
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1396.2	0.0	1396.2
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	14147.9	0.0	14147.9
	% Fixture	91.0	0.0	91.0
Total	Lumens	15544.1	0.0	15544.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.6	1.5
10°-20°	541.2	3.5
20°-30°	857.3	5.5
30°-40°	1478.4	9.5
40°-50°	2496.6	16.1
50°-60°	3668.3	23.6
60°-70°	4348.9	28.0
70°-80°	1854.5	11.9
80°-90°	58.2	0.4
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°	15544.1	100.0
0°-180°	15544.1	100.0

Coefficient of Utilization



REPORT NUMBER: P637347

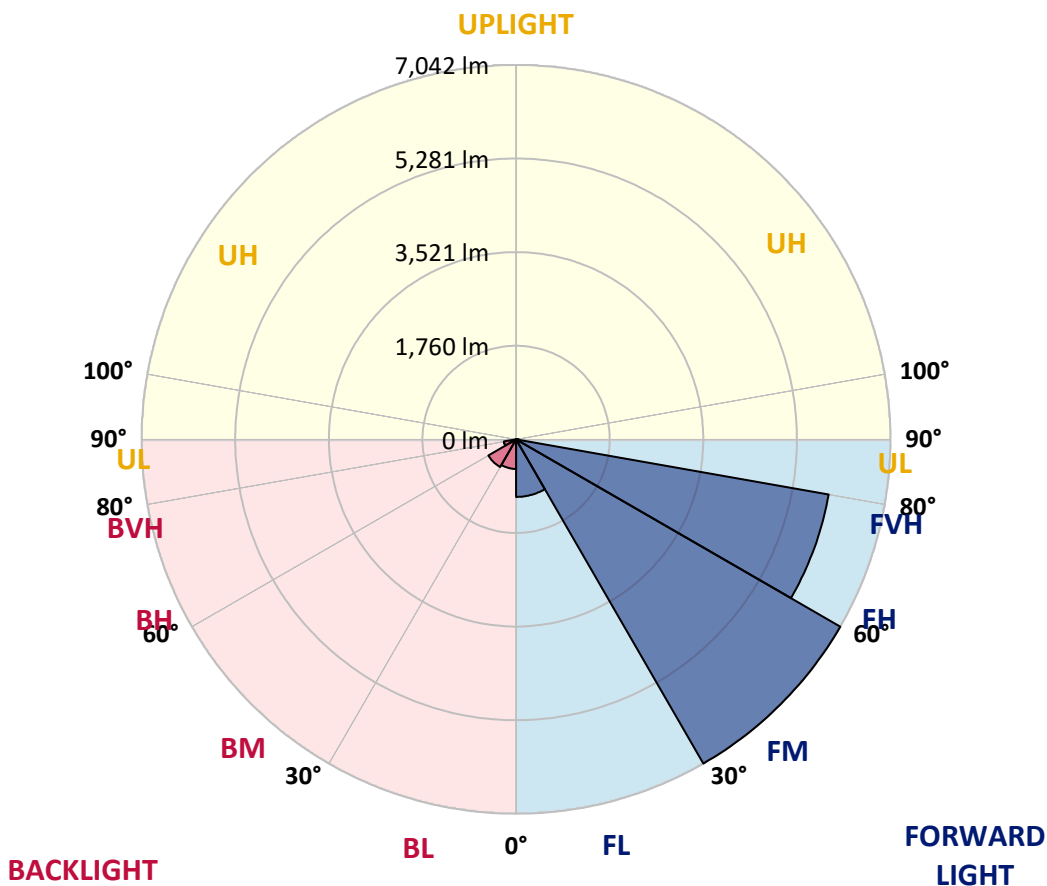
CATALOG NUMBER: GWS-SA4C-750-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1083.1	7.0			
FM (30°-60°)	7041.9	45.3			
FH (60°-80°)	5970.6	38.4			G3/7500
FVH (80°-90°)	52.3	0.3			G1/100
BL (0°-30°)	556.0	3.6	B2/1000		
BM (30°-60°)	601.3	3.9	B1/1000		
BH (60°-80°)	232.9	1.5	B1/500		G1/500
BVH (80°-90°)	5.9	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-G3

Type III Medium





REPORT NUMBER: P637347

CATALOG NUMBER: GWS-SA4C-750-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8
2.5°	2609.2	2604.9	2607.7	2629.1	2669.0	2687.5	2718.8	2724.5	2750.1	2782.8	2795.6
5°	2439.8	2425.5	2432.7	2462.6	2508.1	2559.3	2617.7	2633.4	2697.4	2770.0	2824.1
7.5°	2284.6	2269.0	2286.0	2333.0	2397.1	2452.6	2539.4	2549.4	2651.9	2780.0	2878.2
10°	2041.2	2045.5	2079.6	2162.2	2260.4	2375.7	2492.4	2506.7	2633.4	2812.7	2965.0
12.5°	1854.7	1844.8	1881.8	1975.7	2113.8	2281.8	2456.9	2475.4	2634.8	2862.5	3076.1
15°	1767.9	1765.1	1780.7	1849.1	1982.9	2180.7	2424.1	2448.3	2653.3	2908.1	3181.4
17.5°	1770.8	1766.5	1765.1	1804.9	1904.6	2105.3	2388.5	2419.9	2669.0	2957.9	3292.4
20°	1894.6	1874.7	1839.1	1820.6	1880.4	2056.9	2364.3	2399.9	2691.7	3010.6	3410.6
22.5°	2153.7	2160.8	2065.4	1965.8	1937.3	2062.6	2361.5	2402.8	2741.5	3093.1	3555.8
25°	2671.8	2660.4	2483.9	2260.4	2105.3	2128.0	2411.3	2461.1	2839.8	3211.3	3692.4
27.5°	3320.9	3330.9	3088.9	2733.0	2408.5	2263.3	2502.4	2552.2	2953.6	3285.3	3783.5
30°	4028.3	4018.4	3759.3	3365.0	2838.3	2488.2	2593.5	2637.6	3010.6	3325.2	3877.5
32.5°	4697.4	4674.6	4418.4	4005.6	3386.4	2842.6	2718.8	2744.4	3086.0	3412.0	4004.1
35°	5268.2	5266.7	5043.3	4603.4	3950.1	3286.7	2933.7	2955.1	3226.9	3550.1	4190.6
37.5°	5857.5	5837.5	5587.0	5185.6	4529.4	3773.5	3262.5	3254.0	3449.0	3753.6	4419.8
40°	6341.4	6328.6	6136.5	5750.7	5131.5	4311.6	3661.1	3635.5	3712.3	4035.5	4738.6
42.5°	6700.1	6701.6	6641.8	6406.9	5769.2	4933.7	4162.1	4122.3	4120.9	4461.1	5160.0
45°	6972.0	6990.5	7080.2	7044.6	6522.2	5658.2	4804.1	4762.8	4693.1	5013.4	5642.5
47.5°	7098.7	7122.9	7393.4	7535.7	7181.3	6377.0	5568.5	5481.7	5345.0	5747.9	6182.0
50°	7085.9	7128.6	7505.8	7938.5	7779.1	7105.8	6401.2	6359.9	6136.5	6525.1	6715.8
52.5°	6795.5	6886.6	7512.9	8183.4	8238.9	7777.7	7262.4	7185.5	7077.4	7336.4	7216.9
55°	6006.9	6118.0	7212.6	8261.7	8597.6	8364.1	8105.1	8042.4	7863.1	8102.2	7653.8
57.5°	5578.5	5673.8	6580.6	8223.2	8902.2	8906.5	8855.2	8804.0	8656.0	8859.5	8166.3
60°	5320.8	5416.2	6243.2	8082.3	9178.4	9478.7	9559.8	9554.1	9340.6	9720.7	8767.0
62.5°	4943.6	5074.6	5891.6	7716.5	9374.8	10042.4	10287.2	10248.8	10011.1	10617.5	9362.0
65°	4182.1	4295.9	5171.4	7112.9	9259.5	10509.3	11075.8	11095.7	10821.0	11461.6	9831.7
67.5°	2932.3	3016.3	3886.0	5846.1	8476.6	10663.0	11882.9	11881.5	11413.2	11894.3	9623.9
70°	1699.6	1814.9	2296.0	3614.1	6594.8	9964.1	12003.9	12045.2	11172.6	10990.4	7964.2
72.5°	657.6	753.0	1301.0	1920.2	3439.0	7632.5	10325.6	10446.6	9350.6	8478.0	5542.9
75°	196.4	219.2	612.1	1022.0	1380.7	3686.7	6990.5	7024.7	6414.0	5288.1	2841.2
77.5°	146.6	162.3	267.6	516.7	484.0	1117.4	3617.0	3950.1	3404.9	1888.9	782.9
80°	99.6	118.1	190.7	251.9	179.4	297.5	1016.3	1116.0	1039.1	424.2	196.4
82.5°	44.1	56.9	135.2	126.7	65.5	85.4	313.2	333.1	214.9	128.1	68.3
85°	4.3	5.7	51.2	55.5	24.2	19.9	65.5	65.5	47.0	44.1	28.5
87.5°	0.0	0.0	1.4	2.8	2.8	4.3	5.7	7.1	8.5	11.4	14.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637347
 CATALOG NUMBER: GWS-SA4C-750-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8
2.5°	2828.4	2811.3	2832.6	2849.7	2854.0	2822.7	2804.2	2777.1	2771.4	2772.9	2765.7
5°	2866.8	2858.3	2873.9	2855.4	2807.0	2715.9	2637.6	2550.8	2503.8	2476.8	2473.9
7.5°	2938.0	2933.7	2916.6	2832.6	2681.8	2479.6	2284.6	2093.9	1975.7	1933.0	1925.9
10°	3043.3	3034.8	2965.0	2765.7	2444.1	2055.5	1728.1	1454.8	1288.2	1239.8	1180.0
12.5°	3164.3	3147.2	2994.9	2622.0	2085.3	1547.3	1138.8	832.7	688.9	646.2	646.2
15°	3281.0	3244.0	2977.8	2384.3	1644.1	1006.4	636.3	481.1	437.0	425.6	425.6
17.5°	3400.6	3329.4	2910.9	2059.7	1135.9	595.0	424.2	394.3	388.6	390.0	391.4
20°	3513.1	3402.0	2792.8	1669.7	724.5	415.6	380.1	372.9	370.1	372.9	371.5
22.5°	3635.5	3468.9	2613.4	1244.1	471.2	374.4	361.6	355.9	353.0	357.3	357.3
25°	3756.5	3517.3	2375.7	837.0	374.4	348.7	341.6	335.9	333.1	334.5	334.5
27.5°	3819.1	3498.8	2064.0	533.8	335.9	323.1	316.0	308.9	304.6	303.2	304.6
30°	3861.8	3441.9	1682.5	380.1	304.6	289.0	281.8	276.1	264.8	257.6	260.5
32.5°	3928.7	3384.9	1268.3	318.9	279.0	254.8	243.4	229.2	213.5	206.4	206.4
35°	4008.4	3306.7	889.7	287.5	251.9	226.3	205.0	180.8	162.3	156.6	156.6
37.5°	4113.7	3232.6	592.2	266.2	229.2	202.1	172.2	143.8	123.8	121.0	119.6
40°	4271.7	3170.0	417.1	250.5	209.2	176.5	140.9	111.0	96.8	92.5	92.5
42.5°	4476.7	3106.0	330.2	234.9	192.2	152.3	112.5	88.3	76.9	74.0	72.6
45°	4730.1	3030.5	287.5	220.6	175.1	126.7	89.7	74.0	65.5	62.6	62.6
47.5°	5004.8	2928.0	267.6	202.1	155.2	102.5	75.4	64.1	59.8	58.4	56.9
50°	5275.3	2789.9	250.5	185.0	132.4	84.0	65.5	58.4	55.5	54.1	54.1
52.5°	5511.6	2629.1	229.2	165.1	108.2	72.6	58.4	54.1	51.2	48.4	47.0
55°	5713.7	2454.0	202.1	142.3	88.3	64.1	54.1	49.8	47.0	44.1	42.7
57.5°	5974.2	2354.4	162.3	115.3	72.6	56.9	49.8	45.6	42.7	38.4	38.4
60°	6263.1	2281.8	121.0	91.1	62.6	52.7	45.6	41.3	38.4	34.2	34.2
62.5°	6495.2	2173.6	95.4	74.0	54.1	47.0	41.3	37.0	34.2	29.9	29.9
65°	6583.4	1950.1	78.3	58.4	44.1	41.3	37.0	34.2	29.9	25.6	25.6
67.5°	6184.9	1503.2	65.5	47.0	37.0	35.6	32.7	31.3	25.6	22.8	21.4
70°	4898.1	916.7	54.1	38.4	31.3	29.9	29.9	27.0	22.8	21.4	19.9
72.5°	3356.5	472.6	44.1	31.3	27.0	27.0	25.6	24.2	21.4	19.9	19.9
75°	1743.7	158.0	34.2	24.2	21.4	22.8	22.8	21.4	19.9	19.9	18.5
77.5°	499.6	71.2	25.6	18.5	17.1	17.1	18.5	18.5	18.5	17.1	17.1
80°	129.5	41.3	18.5	14.2	14.2	14.2	14.2	15.7	17.1	15.7	15.7
82.5°	52.7	22.8	12.8	11.4	11.4	11.4	11.4	12.8	14.2	14.2	14.2
85°	32.7	11.4	10.0	10.0	10.0	8.5	8.5	10.0	10.0	11.4	11.4
87.5°	19.9	8.5	8.5	8.5	8.5	7.1	7.1	7.1	7.1	7.1	7.1
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)