

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: P633415

Luminaire Tested: GWS-SA2E-760-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633415  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-760-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

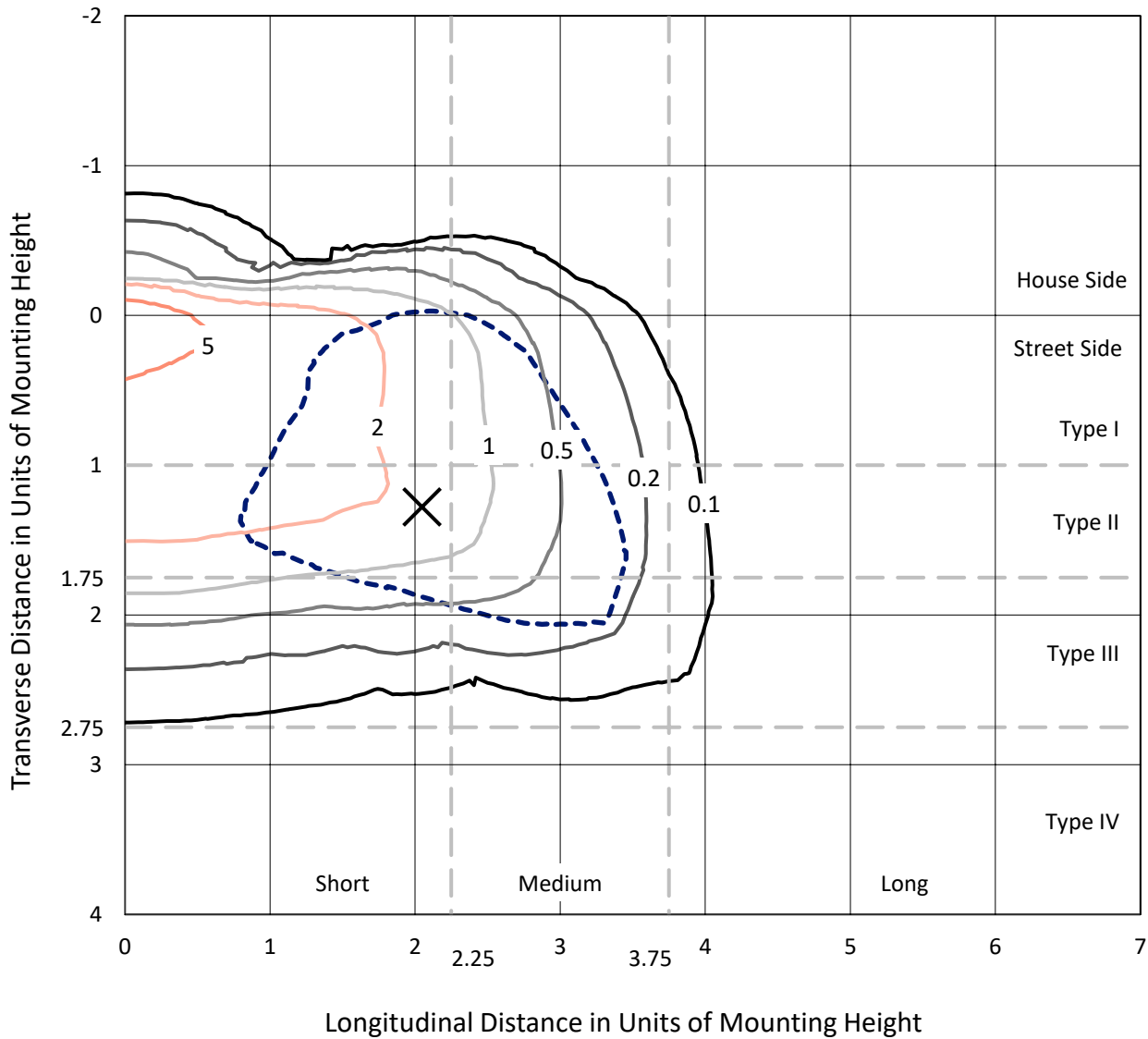
Lumens per Lamp: N/A  
Luminaire Lumens: 11922.7 lumens  
Efficiency: N/A  
Efficacy: 110.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P633415  
 CATALOG NUMBER: GWS-SA2E-760-U-SL3-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

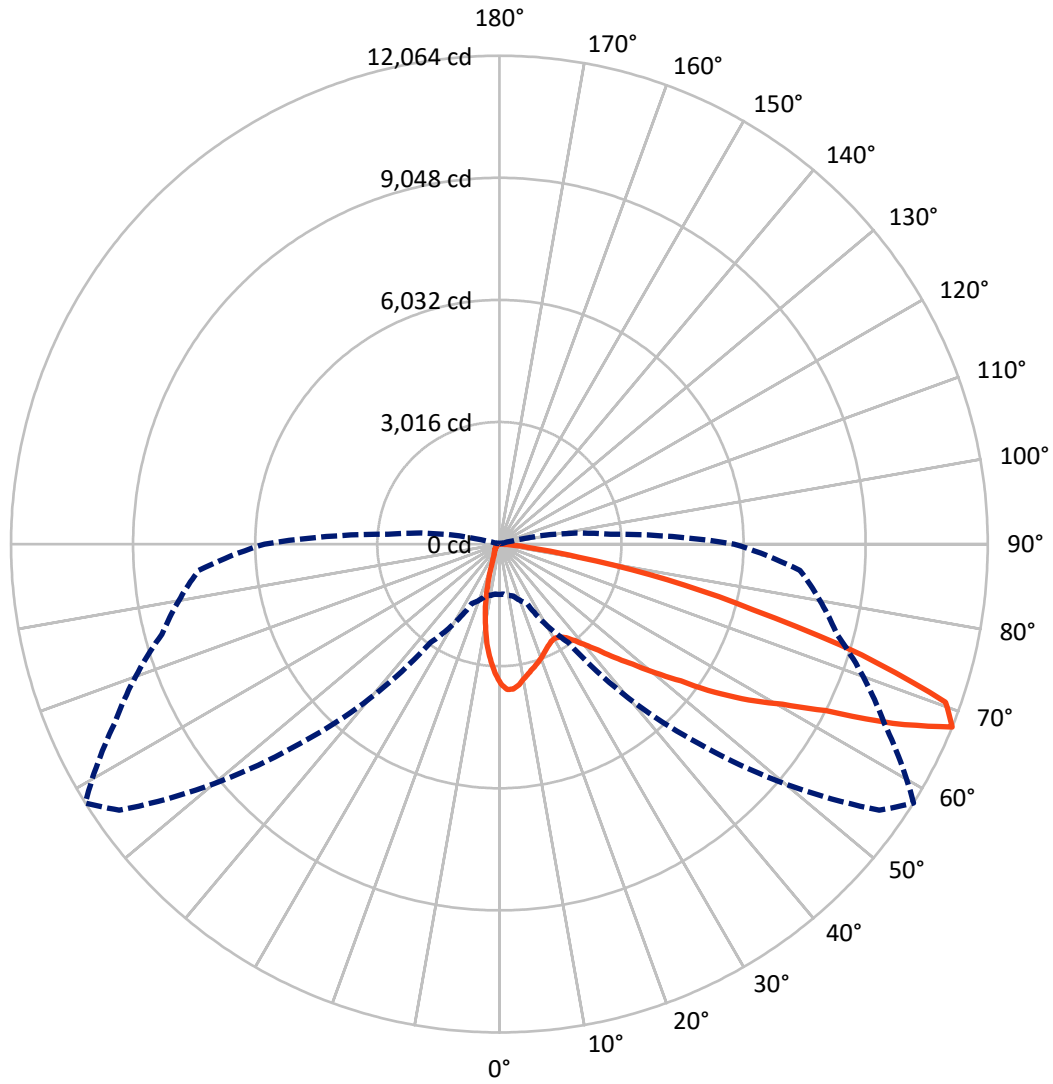
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.6 fc  
 Type III - Short - N/A

REPORT NUMBER: P633415  
CATALOG NUMBER: GWS-SA2E-760-U-SL3-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P633415  
 CATALOG NUMBER: GWS-SA2E-760-U-SL3-W-HSS

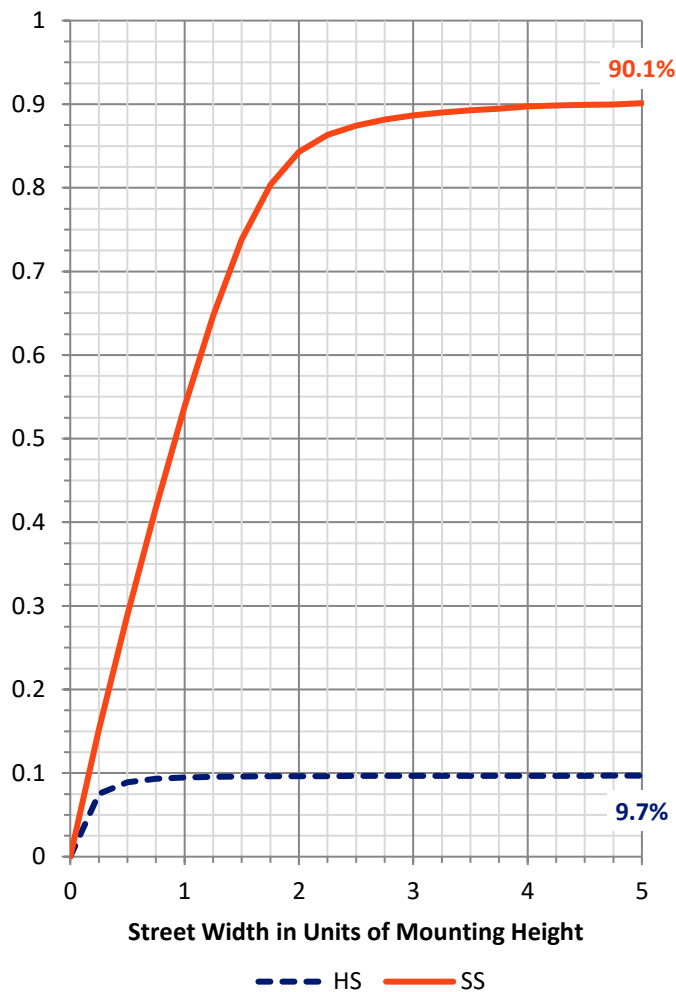
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1164.8	0.0	1164.8
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	10757.9	0.0	10757.9
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	11922.7	0.0	11922.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.5	2.3
10°-20°	581.7	4.9
20°-30°	784.5	6.6
30°-40°	1102.4	9.2
40°-50°	1702.5	14.3
50°-60°	2722.6	22.8
60°-70°	3223.7	27.0
70°-80°	1426.1	12.0
80°-90°	99.7	0.8
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°	11922.7	100.0
0°-180°	11922.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633415

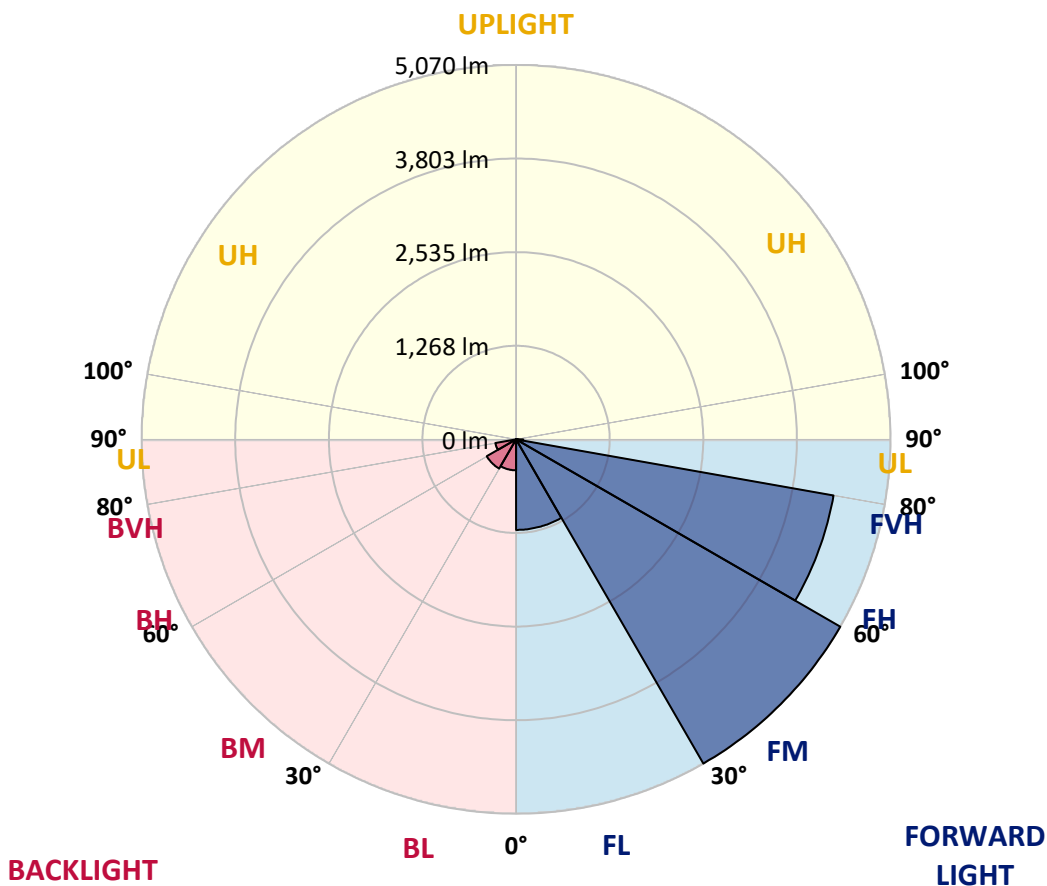
CATALOG NUMBER: GWS-SA2E-760-U-SL3-W-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1226.5	10.3			
FM (30°-60°)	5070.5	42.5			
FH (60°-80°)	4365.5	36.6			G2/5000
FVH (80°-90°)	95.5	0.8			G1/100
BL (0°-30°)	419.1	3.5	B1/500		
BM (30°-60°)	457.0	3.8	B1/1000		
BH (60°-80°)	284.4	2.4	B1/500		G1/500
BVH (80°-90°)	4.2	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-G2**

Type III Short





REPORT NUMBER: P633415

CATALOG NUMBER: GWS-SA2E-760-U-SL3-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1
2.5°	3617.4	3623.7	3632.2	3642.7	3640.6	3631.1	3619.5	3593.1	3576.2	3523.5	3459.1
5°	3501.3	3500.3	3521.4	3541.4	3577.3	3596.3	3622.7	3598.4	3590.0	3526.7	3422.2
7.5°	3274.4	3286.1	3310.3	3342.0	3393.7	3449.6	3512.9	3505.5	3530.9	3488.7	3358.9
10°	3051.8	3045.5	3083.4	3130.9	3210.1	3281.8	3373.6	3372.6	3439.1	3434.8	3287.1
12.5°	2856.6	2855.5	2885.1	2938.9	3031.7	3132.0	3256.5	3259.7	3342.0	3375.8	3225.9
15°	2691.9	2694.1	2722.6	2778.5	2874.5	2996.9	3141.5	3167.9	3260.7	3329.3	3165.8
17.5°	2574.8	2575.9	2592.8	2641.3	2735.2	2866.1	3040.2	3076.1	3195.3	3294.5	3117.2
20°	2521.0	2516.8	2519.9	2544.2	2617.0	2736.3	2936.8	2983.2	3135.2	3270.2	3072.9
22.5°	2528.4	2522.1	2507.3	2504.1	2536.8	2627.6	2827.0	2884.0	3069.7	3255.5	3032.8
25°	2593.8	2580.1	2559.0	2527.3	2514.7	2560.0	2731.0	2790.1	3008.5	3256.5	3002.2
27.5°	2694.1	2679.3	2652.9	2610.7	2561.1	2542.1	2665.6	2721.5	2965.3	3280.8	2987.4
30°	2821.7	2810.1	2784.8	2734.2	2667.7	2589.6	2651.8	2698.3	2944.2	3330.4	2993.7
32.5°	2972.6	2964.2	2943.1	2896.7	2820.7	2701.4	2698.3	2734.2	2961.0	3402.1	3018.0
35°	3118.3	3121.4	3122.5	3097.2	3015.9	2871.3	2826.0	2838.6	3030.7	3509.8	3072.9
37.5°	3275.5	3268.1	3306.1	3324.0	3246.0	3091.9	3023.3	3024.4	3163.6	3669.1	3176.3
40°	3394.7	3396.9	3479.2	3553.0	3520.3	3371.5	3273.4	3272.3	3368.4	3887.5	3343.0
42.5°	3506.6	3520.3	3641.7	3768.3	3813.7	3681.8	3611.1	3584.7	3655.4	4183.0	3593.1
45°	3625.8	3645.9	3815.8	3996.2	4115.5	4037.4	3981.5	3992.0	4000.5	4527.0	3929.8
47.5°	3765.1	3777.8	3987.8	4242.1	4464.8	4444.7	4447.9	4435.2	4431.0	4960.7	4375.1
50°	3934.0	3963.5	4205.2	4509.1	4813.0	4946.0	4990.3	4995.6	4927.0	5433.5	4836.2
52.5°	4292.8	4328.6	4535.5	4801.4	5192.9	5472.5	5653.0	5617.1	5511.6	5891.5	5341.7
55°	4715.9	4743.4	4942.8	5218.2	5657.2	6049.8	6478.2	6463.4	6204.9	6373.7	5757.5
57.5°	4756.0	4786.6	5095.8	5517.9	6253.4	6763.1	7213.7	7261.2	6882.4	6715.6	6128.9
60°	4305.4	4367.7	4789.8	5357.5	6481.4	7722.3	8019.9	8029.4	7379.4	7062.8	6582.7
62.5°	3450.7	3480.2	3905.5	4646.3	6130.0	8281.6	9251.4	9050.9	8017.8	7599.9	7301.3
65°	1808.7	1929.0	2299.4	3119.3	4971.3	8086.4	10733.0	10678.1	9165.9	8369.2	7860.6
67.5°	1241.0	1239.9	1327.5	1626.1	2964.2	6962.6	11460.0	12063.6	10493.4	8633.0	7455.4
70°	944.5	947.6	1025.7	1219.9	1535.4	4634.7	10662.3	11694.3	10740.4	7838.4	6029.7
72.5°	626.8	633.2	762.9	985.6	1226.2	2272.0	8285.8	9356.9	9037.2	6295.6	4244.2
75°	374.6	379.9	472.8	716.5	1090.1	1271.6	5264.7	6468.7	6220.7	4339.2	2275.1
77.5°	154.1	158.3	242.7	446.4	797.8	987.7	2911.4	4232.6	3726.1	1725.3	621.5
80°	64.4	66.5	117.1	312.4	575.1	619.4	1348.6	1989.2	1526.9	371.4	189.9
82.5°	23.2	24.3	43.3	172.0	357.7	466.4	680.6	786.2	430.5	121.4	102.4
85°	1.1	1.1	10.6	58.0	136.1	131.9	389.4	376.7	142.5	50.7	61.2
87.5°	0.0	0.0	1.1	1.1	2.1	5.3	36.9	65.4	30.6	12.7	26.4
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: P633415

CATALOG NUMBER: GWS-SA2E-760-U-SL3-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1	3439.1
2.5°	3416.9	3361.0	3299.8	3242.8	3152.0	3098.2	3031.7	3002.2	2960.0	2949.4	2955.8
5°	3347.3	3251.2	3104.6	2971.6	2799.6	2661.3	2522.1	2463.0	2387.0	2336.3	2315.2
7.5°	3249.1	3123.5	2894.6	2652.9	2416.5	2164.3	1972.3	1845.6	1730.6	1667.3	1654.6
10°	3149.9	2986.4	2658.2	2312.1	1945.9	1644.1	1384.5	1192.4	1036.3	965.6	910.7
12.5°	3047.6	2843.9	2417.6	1965.9	1540.7	1129.1	808.3	621.5	509.7	465.4	472.8
15°	2953.7	2706.7	2179.1	1619.8	1084.8	681.7	446.4	376.7	350.3	341.9	340.8
17.5°	2864.0	2576.9	1941.7	1283.2	715.5	417.9	341.9	325.0	317.6	313.4	313.4
20°	2782.7	2452.4	1709.5	966.6	462.2	331.3	309.2	300.7	294.4	291.2	291.2
22.5°	2706.7	2332.1	1482.6	683.8	340.8	297.6	283.9	275.4	268.0	263.8	263.8
25°	2638.1	2223.4	1266.3	470.6	293.4	272.3	257.5	248.0	235.3	227.9	227.9
27.5°	2588.5	2126.3	1058.4	343.0	264.9	244.8	227.9	215.3	201.6	193.1	191.0
30°	2559.0	2044.0	848.4	281.8	238.5	218.4	199.4	183.6	167.8	159.3	158.3
32.5°	2542.1	1968.0	656.4	245.9	216.3	193.1	172.0	155.1	139.3	129.8	128.7
35°	2548.4	1909.0	491.7	221.6	195.2	171.0	147.7	130.9	117.1	108.7	106.6
37.5°	2603.3	1882.6	369.3	202.6	177.3	152.0	127.7	111.9	99.2	92.9	91.8
40°	2709.9	1887.8	290.2	187.8	162.5	133.0	109.7	95.0	85.5	80.2	79.1
42.5°	2875.6	1932.2	239.5	175.2	146.7	116.1	95.0	83.4	73.9	68.6	67.5
45°	3122.5	2024.0	208.9	160.4	129.8	100.2	82.3	71.8	63.3	57.0	55.9
47.5°	3480.2	2183.3	188.9	146.7	115.0	86.5	70.7	60.1	52.8	47.5	46.4
50°	3861.2	2374.3	172.0	133.0	102.4	74.9	60.1	49.6	43.3	38.0	36.9
52.5°	4267.4	2580.1	159.3	120.3	90.8	64.4	50.7	41.2	34.8	29.5	28.5
55°	4657.9	2786.9	144.6	111.9	77.0	54.9	42.2	33.8	27.4	23.2	23.2
57.5°	5037.8	2976.9	128.7	98.1	63.3	46.4	34.8	27.4	22.2	19.0	17.9
60°	5491.5	3239.6	110.8	83.4	52.8	39.0	28.5	22.2	17.9	14.8	14.8
62.5°	6165.8	3512.9	95.0	69.6	44.3	32.7	23.2	17.9	14.8	12.7	11.6
65°	6386.4	3365.2	80.2	57.0	35.9	26.4	19.0	15.8	12.7	11.6	10.6
67.5°	5797.6	2758.4	66.5	46.4	29.5	22.2	16.9	13.7	11.6	10.6	9.5
70°	4523.9	1957.5	51.7	34.8	24.3	17.9	14.8	12.7	10.6	9.5	9.5
72.5°	3077.1	1157.6	41.2	26.4	20.0	15.8	12.7	11.6	10.6	9.5	8.4
75°	1515.3	411.5	31.7	20.0	15.8	13.7	11.6	10.6	9.5	8.4	8.4
77.5°	408.4	114.0	24.3	15.8	12.7	10.6	10.6	10.6	9.5	7.4	7.4
80°	138.2	47.5	17.9	11.6	10.6	8.4	7.4	9.5	8.4	7.4	6.3
82.5°	76.0	23.2	12.7	9.5	7.4	6.3	6.3	6.3	6.3	5.3	5.3
85°	48.5	12.7	8.4	7.4	7.4	5.3	4.2	4.2	3.2	3.2	3.2
87.5°	22.2	7.4	7.4	6.3	6.3	5.3	3.2	2.1	1.1	1.1	1.1
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)