

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: P635556

Luminaire Tested: GWS-SA3E-722-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635556  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3E-722-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

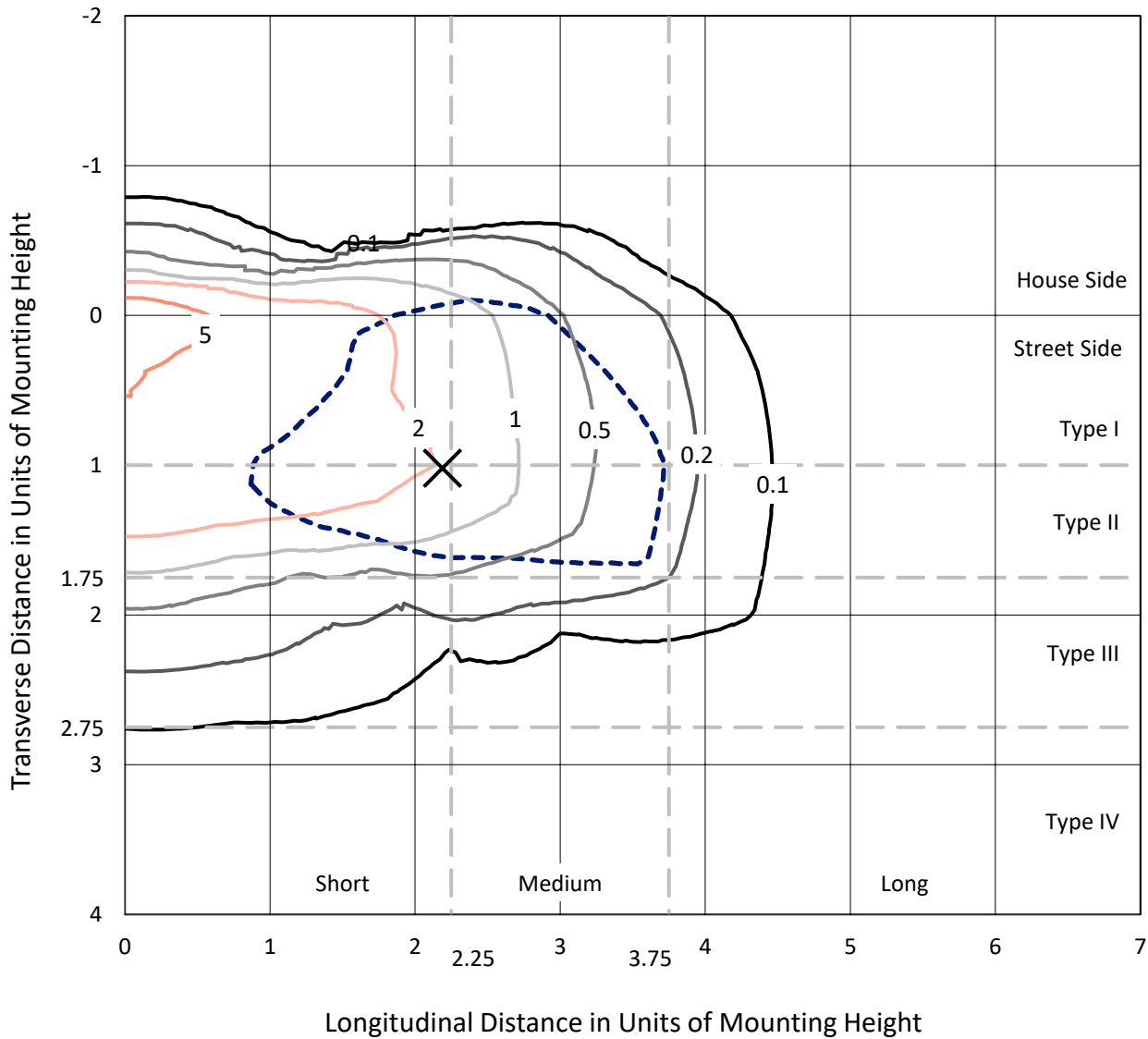
Lumens per Lamp: N/A  
Luminaire Lumens: 12841.1 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P635556  
 CATALOG NUMBER: GWS-SA3E-722-U-SL2-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

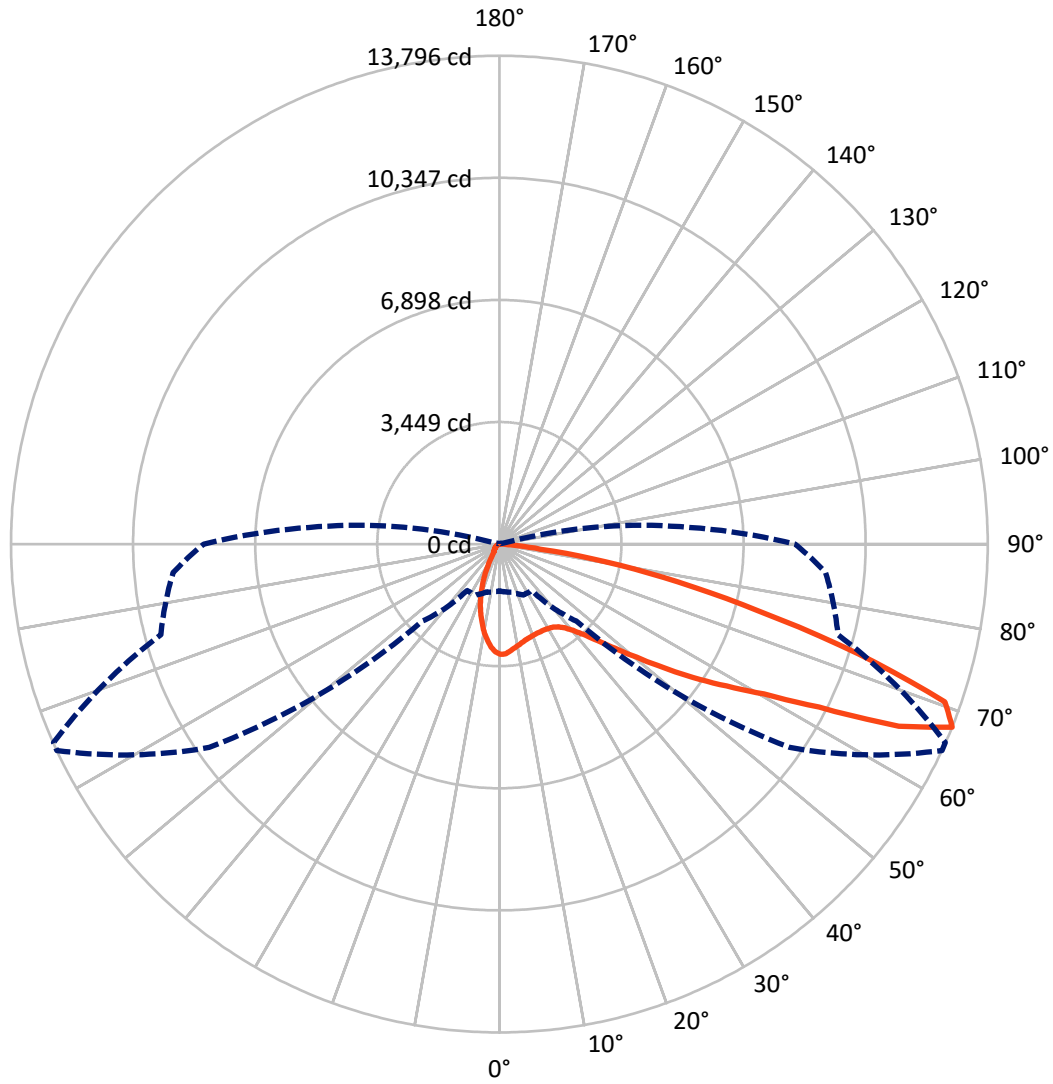
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P635556  
CATALOG NUMBER: GWS-SA3E-722-U-SL2-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P635556  
 CATALOG NUMBER: GWS-SA3E-722-U-SL2-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1603.5	0.0	1603.5
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	11237.6	0.0	11237.6
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	12841.1	0.0	12841.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.7	2.0
10°-20°	581.5	4.5
20°-30°	830.9	6.5
30°-40°	1208.8	9.4
40°-50°	1893.2	14.7
50°-60°	2953.5	23.0
60°-70°	3244.2	25.3
70°-80°	1726.6	13.4
80°-90°	143.7	1.1
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°	12841.1	100.0
0°-180°	12841.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635556

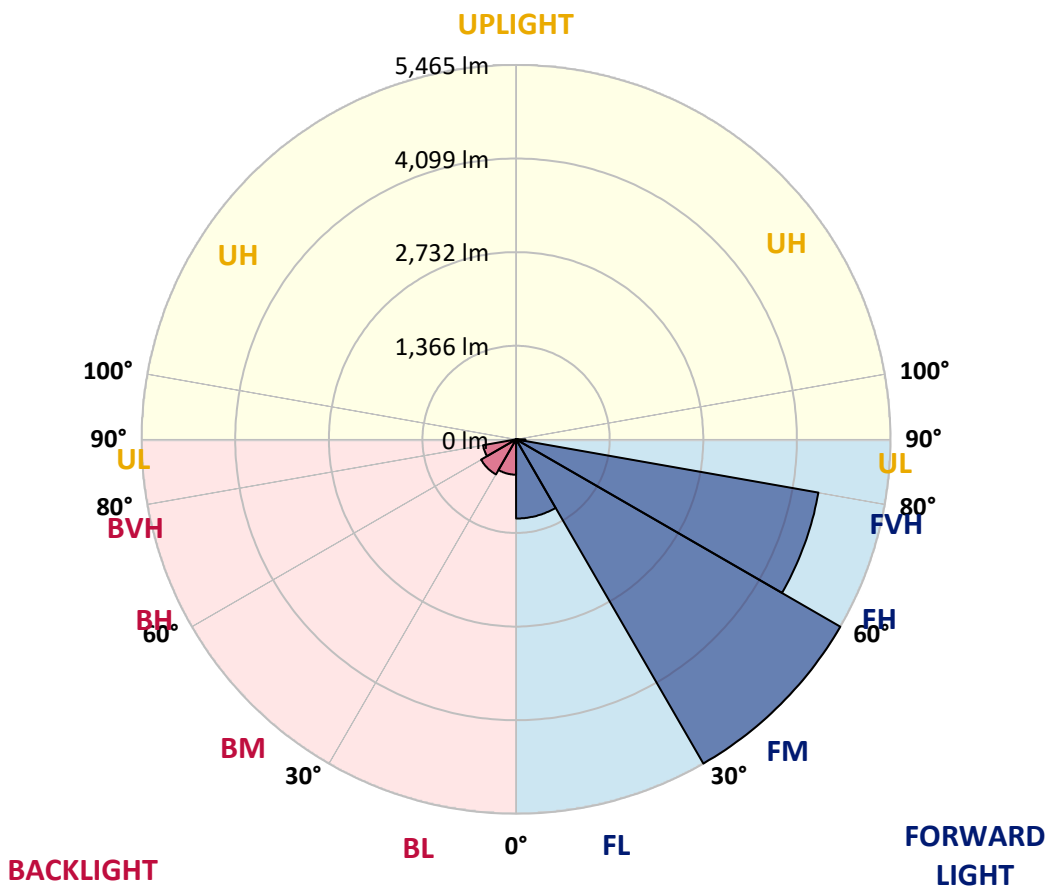
CATALOG NUMBER: GWS-SA3E-722-U-SL2-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1155.6	9.0			
FM (30°-60°)	5464.9	42.6			
FH (60°-80°)	4481.1	34.9			G2/5000
FVH (80°-90°)	136.1	1.1			G2/225
BL (0°-30°)	515.4	4.0	B2/1000		
BM (30°-60°)	590.6	4.6	B1/1000		
BH (60°-80°)	489.8	3.8	B1/500		G1/500
BVH (80°-90°)	7.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





REPORT NUMBER: P635556

CATALOG NUMBER: GWS-SA3E-722-U-SL2-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3114.4	3114.4	3114.4	3114.4	3114.4	3114.4	3114.4	3114.4	3114.4	3114.4	3114.4
2.5°	3006.4	3015.7	3002.9	3034.2	3040.1	3074.9	3094.6	3108.6	3107.4	3124.8	3124.8
5°	2829.9	2839.2	2832.2	2865.9	2892.6	2947.2	2992.4	3044.7	3047.0	3100.4	3120.2
7.5°	2680.1	2681.2	2681.2	2723.0	2757.9	2825.2	2892.6	2972.7	2982.0	3064.4	3116.7
10°	2557.0	2560.5	2561.6	2609.2	2647.6	2728.8	2814.8	2911.2	2921.6	3033.1	3114.4
12.5°	2472.2	2473.4	2478.0	2528.0	2569.8	2654.5	2741.6	2851.9	2865.9	2997.1	3103.9
15°	2431.6	2429.3	2431.6	2473.4	2515.2	2596.5	2685.9	2804.3	2819.4	2966.9	3105.1
17.5°	2429.3	2425.8	2423.4	2454.8	2481.5	2553.5	2644.1	2773.0	2789.2	2953.0	3117.9
20°	2462.9	2460.6	2449.0	2462.9	2468.7	2528.0	2617.4	2748.6	2764.8	2950.6	3145.7
22.5°	2551.2	2545.4	2528.0	2515.2	2483.8	2518.7	2598.8	2731.2	2749.8	2956.4	3181.7
25°	2682.4	2680.1	2658.0	2626.7	2546.5	2532.6	2600.0	2731.2	2748.6	2963.4	3220.0
27.5°	2879.8	2865.9	2838.0	2783.4	2668.5	2587.2	2623.2	2738.1	2755.6	2972.7	3251.4
30°	3080.7	3079.5	3070.2	3014.5	2843.8	2691.7	2671.9	2756.7	2773.0	2980.8	3280.4
32.5°	3288.6	3292.0	3315.3	3272.3	3085.3	2847.3	2760.2	2795.0	2806.7	2997.1	3306.0
35°	3486.0	3492.9	3554.5	3569.6	3379.1	3083.0	2904.2	2871.7	2872.8	3033.1	3339.6
37.5°	3675.2	3698.5	3797.2	3870.3	3744.9	3368.7	3112.0	3001.7	2992.4	3105.1	3390.7
40°	3890.1	3934.2	4058.4	4182.7	4143.2	3746.1	3395.4	3201.5	3181.7	3237.5	3482.5
42.5°	4128.1	4175.7	4340.6	4514.8	4533.4	4202.4	3749.6	3492.9	3459.3	3460.4	3654.3
45°	4383.6	4447.4	4639.0	4889.9	5002.5	4711.0	4186.2	3886.6	3852.9	3803.0	3930.7
47.5°	4719.2	4774.9	4959.5	5248.7	5464.7	5256.8	4758.6	4392.9	4331.3	4258.2	4360.4
50°	5008.3	5057.1	5216.2	5578.5	6027.9	5960.5	5407.8	5025.7	4966.5	4842.3	4927.0
52.5°	5072.2	5110.5	5256.8	5664.4	6458.7	6848.8	6203.2	5791.0	5749.2	5519.2	5551.8
55°	4785.4	4843.4	4974.6	5427.5	6571.3	7717.4	7235.5	6653.7	6566.7	6199.7	6257.8
57.5°	4060.8	4164.1	4287.2	4875.9	6265.9	8179.6	8677.7	7567.6	7488.7	6854.6	6855.8
60°	2976.2	3059.8	3142.2	3681.0	5541.3	8148.2	9986.4	8594.1	8450.1	7390.0	7370.2
62.5°	2164.5	2207.5	2206.3	2397.9	3805.3	7611.7	10673.9	10140.9	9805.3	7962.4	7849.8
65°	1702.3	1701.2	1751.1	1813.8	2125.0	5875.7	10758.6	12399.4	12037.1	8730.0	8495.4
67.5°	1324.9	1350.5	1400.4	1585.1	1596.7	3074.9	10013.1	13796.4	13789.4	9901.7	9251.4
70°	1021.9	1056.7	1127.5	1396.9	1474.7	1720.9	7492.1	13353.9	13466.6	10425.4	8716.1
72.5°	656.1	653.8	758.3	1128.7	1416.7	1434.1	4143.2	10607.7	10735.4	9443.0	7047.4
75°	366.9	369.3	428.5	690.9	1320.3	1349.3	2051.9	7564.1	7665.2	7362.1	5414.7
77.5°	144.0	148.6	200.9	363.5	870.9	1205.3	1219.3	5158.1	5173.2	4562.4	3321.1
80°	58.1	61.5	102.2	225.3	530.7	811.7	870.9	3038.9	2977.3	1766.2	966.1
82.5°	17.4	18.6	40.6	127.7	277.5	577.1	587.6	1165.9	1100.8	379.7	246.2
85°	1.2	1.2	9.3	39.5	98.7	145.2	391.3	379.7	336.8	95.2	109.2
87.5°	0.0	0.0	1.2	1.2	2.3	4.6	41.8	69.7	70.8	17.4	48.8
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: P635556

CATALOG NUMBER: GWS-SA3E-722-U-SL2-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3114.4	3114.4	3114.4	3114.4	3114.4	3114.4	3114.4	3114.4	3114.4	3114.4	3114.4
2.5°	3124.8	3083.0	3079.5	3047.0	3014.5	2973.9	2926.3	2891.4	2867.0	2824.1	2815.9
5°	3120.2	3064.4	3012.2	2919.3	2815.9	2704.5	2606.9	2516.3	2459.4	2421.1	2404.9
7.5°	3110.9	3040.1	2919.3	2743.9	2570.9	2375.8	2223.7	2084.4	1989.2	1933.4	1909.0
10°	3103.9	3008.7	2812.5	2546.5	2278.3	2008.9	1777.8	1571.1	1456.2	1365.6	1350.5
12.5°	3090.0	2963.4	2675.4	2315.5	1969.4	1611.8	1316.8	1063.7	888.3	809.4	781.5
15°	3076.1	2915.8	2538.4	2071.6	1632.7	1191.4	833.8	589.9	469.1	432.0	429.6
17.5°	3073.7	2872.8	2389.8	1840.5	1279.7	780.3	474.9	382.0	356.5	347.2	347.2
20°	3080.7	2836.8	2243.5	1574.6	932.5	474.9	354.2	330.9	315.8	307.7	307.7
22.5°	3087.7	2799.7	2103.0	1306.4	618.9	347.2	312.4	292.6	275.2	265.9	261.3
25°	3092.3	2759.0	1947.4	1037.0	404.1	301.9	274.0	248.5	227.6	216.0	216.0
27.5°	3091.1	2710.3	1790.6	773.4	313.5	268.2	234.6	207.9	187.0	174.2	175.3
30°	3081.9	2656.9	1628.0	540.0	274.0	234.6	200.9	173.0	152.1	141.7	140.5
32.5°	3074.9	2600.0	1439.9	379.7	246.2	205.5	170.7	144.0	126.6	118.4	117.3
35°	3066.8	2544.2	1261.1	289.1	221.8	177.7	144.0	121.9	108.0	101.0	101.0
37.5°	3069.1	2486.2	1067.2	248.5	197.4	154.4	123.1	104.5	92.9	85.9	84.8
40°	3105.1	2451.3	876.7	225.3	175.3	133.5	106.8	90.6	79.0	72.0	70.8
42.5°	3194.5	2452.5	694.4	207.9	155.6	113.8	92.9	77.8	67.4	59.2	58.1
45°	3373.3	2501.3	533.0	189.3	134.7	98.7	80.1	66.2	55.7	48.8	47.6
47.5°	3665.9	2646.4	404.1	173.0	117.3	85.9	68.5	55.7	46.4	40.6	39.5
50°	4131.6	2908.8	318.2	153.3	98.7	74.3	58.1	46.4	38.3	32.5	31.4
52.5°	4691.3	3302.5	272.9	135.9	84.8	65.0	49.9	38.3	31.4	26.7	25.5
55°	5334.6	3772.8	252.0	118.4	72.0	55.7	40.6	31.4	25.5	22.1	19.7
57.5°	5924.5	4196.6	250.8	101.0	61.5	47.6	33.7	26.7	22.1	17.4	16.3
60°	6499.3	4550.8	235.7	83.6	53.4	39.5	29.0	22.1	18.6	15.1	13.9
62.5°	7020.7	4838.8	197.4	67.4	45.3	32.5	24.4	19.7	16.3	12.8	12.8
65°	7675.6	5205.7	151.0	54.6	37.2	26.7	20.9	17.4	15.1	11.6	11.6
67.5°	8352.6	5399.6	108.0	45.3	30.2	23.2	18.6	16.3	12.8	10.5	10.5
70°	7565.3	4562.4	77.8	37.2	25.5	19.7	16.3	15.1	12.8	10.5	9.3
72.5°	5908.2	3289.7	58.1	29.0	22.1	18.6	15.1	13.9	11.6	9.3	9.3
75°	4381.3	1918.3	44.1	23.2	17.4	15.1	15.1	13.9	11.6	9.3	8.1
77.5°	2381.6	668.9	33.7	18.6	13.9	11.6	12.8	12.8	10.5	8.1	7.0
80°	630.5	183.5	23.2	13.9	11.6	9.3	9.3	11.6	9.3	7.0	7.0
82.5°	183.5	53.4	16.3	11.6	9.3	8.1	8.1	8.1	7.0	5.8	4.6
85°	89.4	19.7	11.6	9.3	8.1	7.0	5.8	5.8	4.6	3.5	3.5
87.5°	39.5	8.1	9.3	8.1	8.1	5.8	4.6	3.5	3.5	2.3	1.2
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)