

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: P633075

Luminaire Tested: GWS-SA2E-722-U-AFL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633075  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-722-U-AFL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10944.5 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

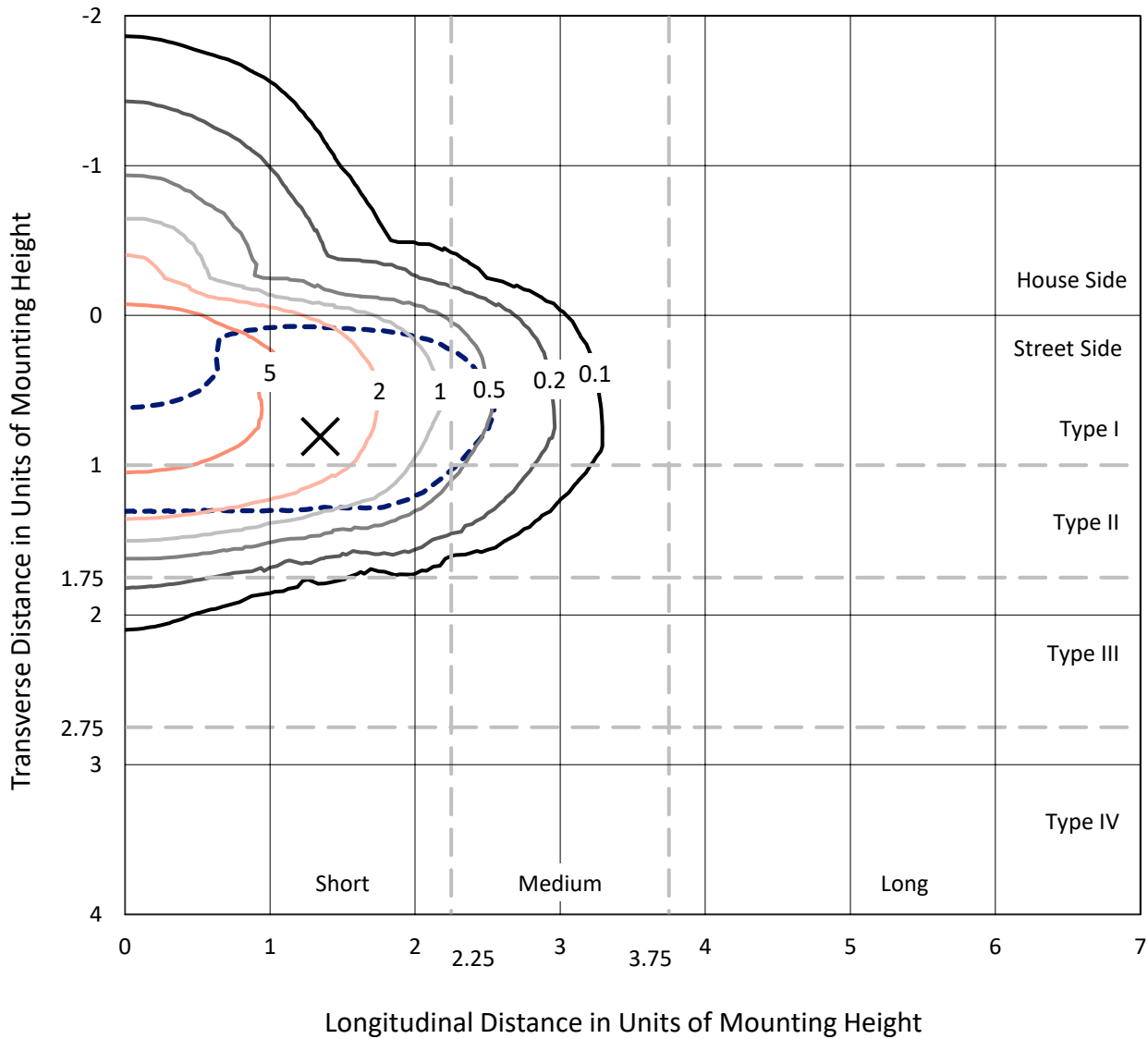
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P633075  
 CATALOG NUMBER: GWS-SA2E-722-U-AFL-W

### Iso-Footcandle Lines of Horizontal Illumination

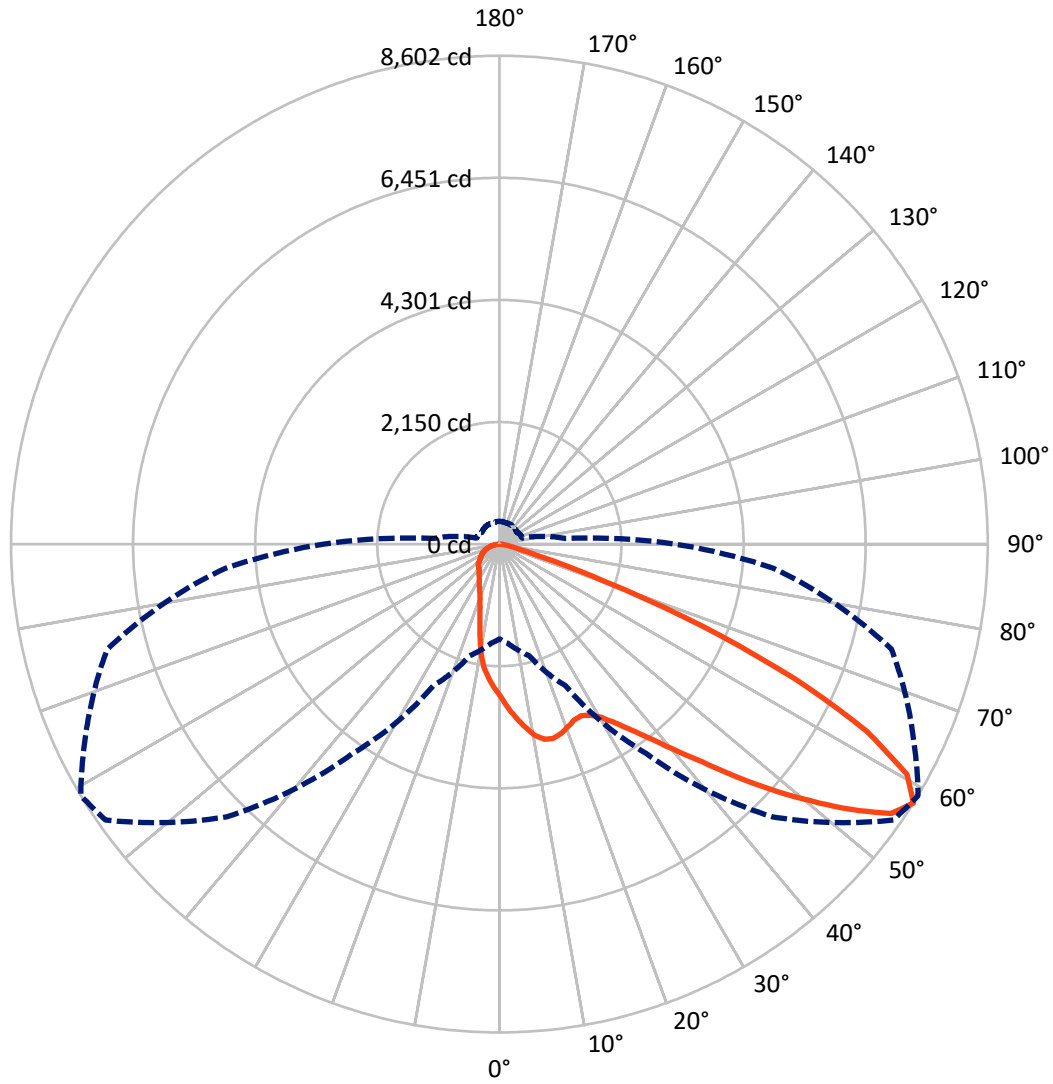
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.2 fc  
 Type II - Short - N/A

REPORT NUMBER: P633075  
CATALOG NUMBER: GWS-SA2E-722-U-AFL-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P633075

CATALOG NUMBER: GWS-SA2E-722-U-AFL-W

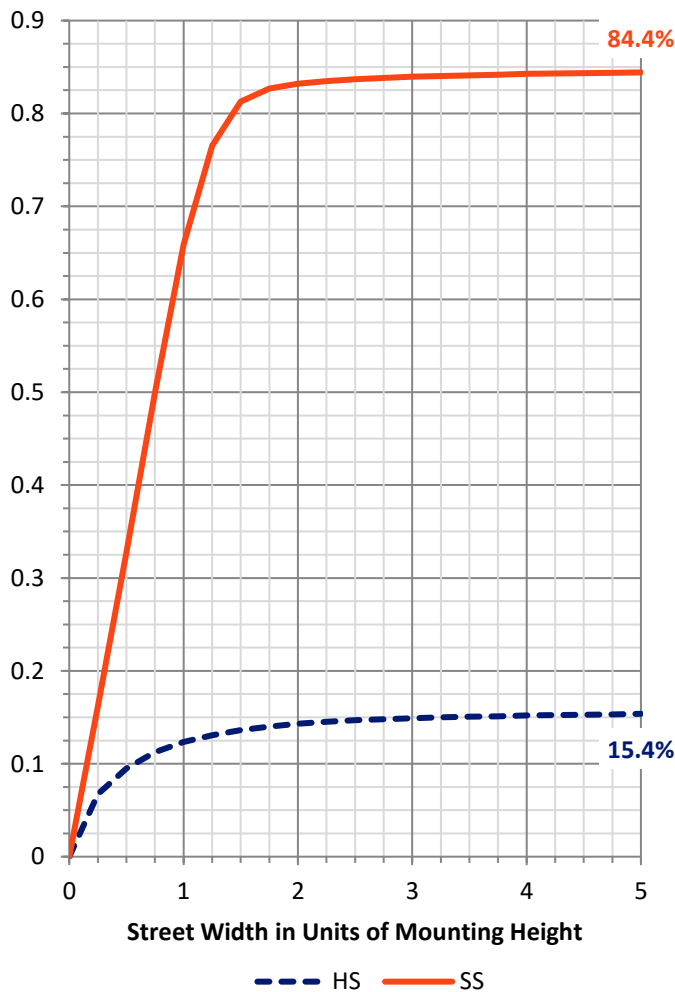
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1698.5	0.0	1698.5
	% Fixture	15.5	0.0	15.5
<b>Street Side</b>	Lumens	9246.0	0.0	9246.0
	% Fixture	84.5	0.0	84.5
<b>Total</b>	Lumens	10944.5	0.0	10944.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.5	2.3
10°-20°	632.1	5.8
20°-30°	1024.7	9.4
30°-40°	1648.4	15.1
40°-50°	2559.7	23.4
50°-60°	2757.2	25.2
60°-70°	1600.2	14.6
70°-80°	417.7	3.8
80°-90°	55.0	0.5
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°	10944.5	100.0
0°-180°	10944.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633075

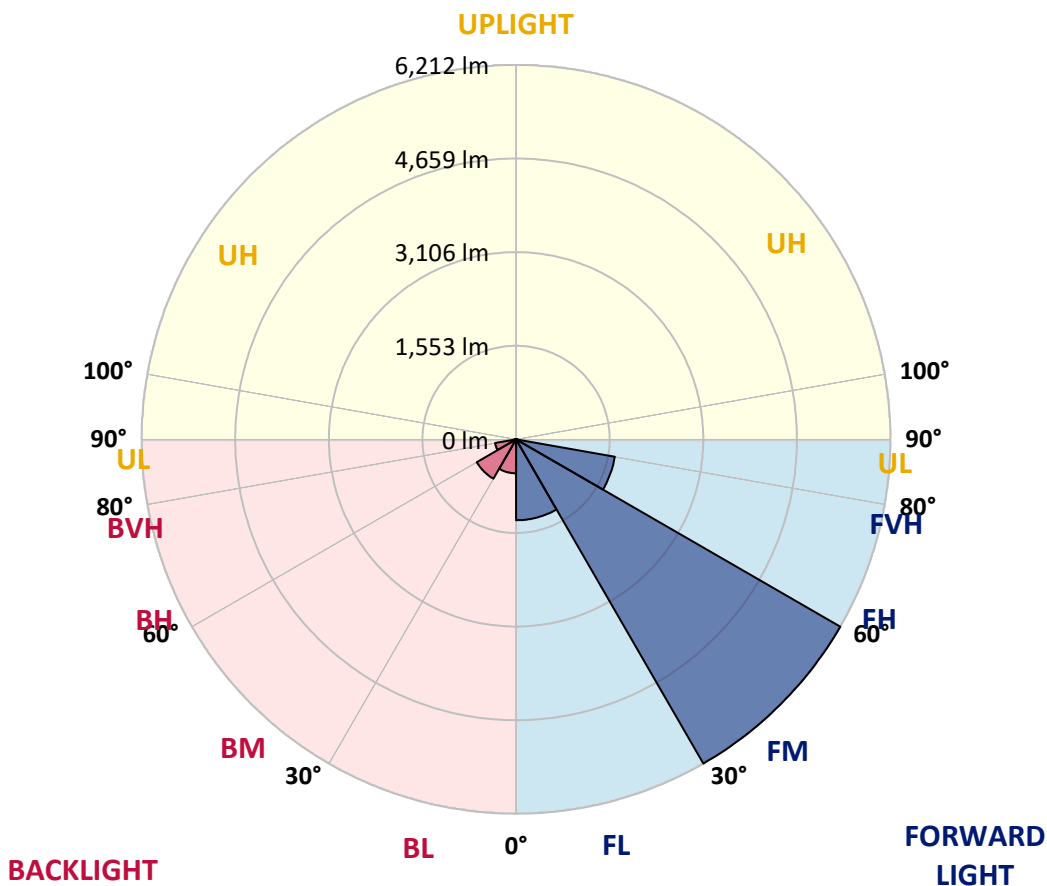
CATALOG NUMBER: GWS-SA2E-722-U-AFL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1342.8	12.3			
FM (30°-60°)	6212.2	56.8			
FH (60°-80°)	1664.6	15.2			G1/1800
FVH (80°-90°)	26.3	0.2			G1/100
BL (0°-30°)	563.5	5.1	B2/1000		
BM (30°-60°)	753.1	6.9	B1/1000		
BH (60°-80°)	353.3	3.2	B1/500		G1/500
BVH (80°-90°)	28.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





REPORT NUMBER: P633075  
 CATALOG NUMBER: GWS-SA2E-722-U-AFL-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2686.7	2686.7	2686.7	2686.7	2686.7	2686.7	2686.7	2686.7	2686.7	2686.7	2686.7
2.5°	3047.2	3021.8	3039.5	3007.9	2994.8	2960.2	2915.5	2885.4	2839.2	2779.1	2726.7
5°	3350.0	3332.3	3336.2	3302.3	3272.2	3214.4	3122.7	3071.9	2993.3	2872.3	2759.9
7.5°	3340.8	3361.6	3373.2	3402.4	3410.9	3405.5	3323.1	3252.2	3165.9	2984.1	2814.6
10°	2994.8	3034.1	3069.6	3169.7	3291.5	3445.6	3464.8	3422.5	3335.4	3126.6	2880.0
12.5°	2618.1	2648.1	2679.7	2799.9	2986.4	3294.6	3503.4	3529.6	3494.9	3267.6	2954.0
15°	2433.2	2447.0	2477.1	2556.4	2705.1	3047.2	3436.3	3551.1	3613.5	3417.1	3037.2
17.5°	2425.5	2431.6	2446.3	2488.6	2591.9	2856.2	3315.4	3508.0	3706.8	3575.0	3134.3
20°	2585.0	2568.8	2559.5	2558.8	2609.6	2792.2	3198.3	3438.6	3750.7	3736.8	3238.3
22.5°	2806.1	2811.5	2791.4	2742.1	2736.0	2837.7	3139.7	3368.5	3763.8	3880.1	3334.6
25°	3119.7	3146.6	3087.3	2993.3	2947.1	2969.4	3175.9	3347.0	3762.2	3999.5	3394.7
27.5°	3485.6	3506.4	3446.3	3323.1	3227.5	3173.6	3283.8	3410.9	3775.3	4102.8	3430.9
30°	3902.5	3909.4	3827.0	3697.5	3558.1	3442.5	3463.3	3542.7	3842.4	4238.4	3473.3
32.5°	4411.8	4441.0	4316.2	4111.3	3916.3	3768.4	3704.5	3755.3	3987.2	4398.7	3538.8
35°	5058.2	5068.2	4909.5	4615.9	4340.1	4135.2	4001.1	4028.1	4207.6	4622.9	3637.4
37.5°	5667.6	5677.7	5508.9	5236.2	4841.7	4561.2	4367.1	4354.7	4489.6	4939.5	3798.5
40°	6054.4	6082.9	6007.4	5836.4	5459.6	5081.3	4817.8	4775.4	4859.4	5327.1	4022.7
42.5°	6262.4	6274.8	6273.2	6295.6	6071.4	5695.4	5326.3	5241.6	5297.8	5745.5	4249.2
45°	6264.0	6294.8	6377.2	6592.2	6602.2	6368.0	5968.9	5836.4	5784.7	6166.9	4485.7
47.5°	5983.5	6016.7	6243.2	6666.2	6978.2	7031.4	6738.6	6472.8	6255.5	6529.8	4679.9
50°	5134.5	5217.7	5649.1	6397.3	7052.2	7563.0	7472.9	7112.3	6673.9	6810.3	4801.6
52.5°	4397.1	4394.0	4659.8	5637.6	6743.2	7797.2	8183.2	7770.3	7087.6	6988.2	4832.4
55°	3219.8	3237.5	3509.5	4311.6	5918.8	7570.7	8573.9	8375.9	7562.2	7083.0	4820.1
57.5°	1669.6	1757.5	2036.4	2751.4	4497.3	6791.0	8469.9	8601.6	8044.6	7150.0	4836.3
60°	843.7	826.7	926.9	1313.7	2605.8	5304.0	7828.8	8248.7	8131.6	7202.4	4846.3
62.5°	563.2	558.6	530.9	608.7	1064.8	3141.2	6673.9	7262.5	7526.8	7079.1	4718.4
65°	487.7	478.5	427.6	424.5	517.0	1302.9	4891.8	5709.2	6220.8	6531.3	4412.5
67.5°	439.2	425.3	373.7	348.3	371.4	572.5	2756.8	3829.3	4593.6	5523.6	3742.2
70°	392.2	385.2	333.6	296.6	294.3	349.0	1015.5	1976.3	2810.7	3768.4	2736.0
72.5°	351.3	339.0	295.1	259.7	241.9	247.3	440.7	761.2	1454.7	2350.7	1636.5
75°	304.3	295.1	256.6	221.1	199.6	181.1	268.9	352.1	663.4	1117.2	772.8
77.5°	235.0	228.8	202.6	175.7	163.3	134.8	163.3	221.9	306.7	470.8	402.2
80°	136.4	140.2	151.0	137.1	120.2	96.3	106.3	127.9	184.1	255.0	228.1
82.5°	68.6	73.2	97.9	79.4	71.7	56.2	63.2	75.5	96.3	141.0	89.4
85°	5.4	5.4	17.7	20.0	24.7	20.0	25.4	30.8	43.9	56.2	30.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.9	6.9	13.1	8.5
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: P633075  
 CATALOG NUMBER: GWS-SA2E-722-U-AFL-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2686.7	2686.7	2686.7	2686.7	2686.7	2686.7	2686.7	2686.7	2686.7	2686.7	2686.7
2.5°	2691.3	2652.0	2605.0	2566.5	2507.1	2475.5	2435.5	2386.2	2366.1	2356.9	2351.5
5°	2696.7	2627.3	2527.2	2434.7	2332.2	2251.3	2161.2	2067.2	2013.3	2000.2	1990.9
7.5°	2716.7	2619.6	2460.1	2307.6	2117.3	1940.8	1769.0	1598.7	1511.7	1478.5	1475.5
10°	2744.4	2616.5	2392.3	2138.8	1817.6	1538.6	1337.5	1204.3	1148.0	1129.5	1123.4
12.5°	2779.1	2614.2	2303.0	1904.6	1471.6	1208.1	1093.3	1071.7	1079.4	1077.9	1077.9
15°	2823.0	2617.3	2195.1	1639.6	1190.4	1048.6	1050.9	1076.4	1100.2	1104.1	1104.1
17.5°	2870.8	2614.2	2038.7	1373.8	1021.7	1010.9	1046.3	1081.8	1103.3	1106.4	1106.4
20°	2922.4	2599.6	1841.4	1123.4	947.7	987.0	1025.5	1053.2	1066.3	1069.4	1069.4
22.5°	2953.2	2558.0	1627.2	950.8	900.7	949.2	974.7	1003.2	1004.7	980.0	979.3
25°	2948.6	2480.2	1383.0	839.8	850.6	893.0	925.3	905.3	880.7	866.8	864.5
27.5°	2919.3	2363.1	1134.1	755.8	791.3	839.1	829.0	812.1	805.9	790.5	789.0
30°	2882.4	2219.0	910.7	690.3	729.6	773.6	758.2	756.6	750.4	733.5	733.5
32.5°	2846.9	2070.3	742.0	641.8	690.3	693.4	715.0	716.5	713.5	684.2	681.1
35°	2836.9	1921.6	627.9	603.3	651.8	650.3	681.1	680.3	627.2	586.3	585.6
37.5°	2866.9	1770.6	560.1	571.7	598.7	618.7	643.3	598.7	580.9	556.3	554.7
40°	2930.9	1631.1	525.5	553.2	564.8	594.0	555.5	558.6	554.0	535.5	533.2
42.5°	3015.6	1512.4	506.2	547.0	545.5	553.2	510.8	523.2	530.1	516.2	513.9
45°	3097.3	1409.2	496.2	523.9	531.6	486.9	478.5	490.0	500.8	495.4	493.1
47.5°	3157.4	1319.8	490.8	492.3	513.9	464.6	450.7	456.1	469.2	471.5	470.8
50°	3175.9	1243.6	484.6	466.1	461.5	442.3	431.5	429.9	445.3	456.1	457.7
52.5°	3140.5	1175.7	468.5	443.0	420.7	423.8	419.9	412.2	427.6	442.3	443.8
55°	3088.1	1137.2	443.0	420.7	394.5	406.8	408.4	401.4	411.4	421.5	421.5
57.5°	3091.9	1159.6	418.4	399.9	371.4	387.6	396.0	392.9	392.9	400.6	401.4
60°	3117.4	1191.9	402.2	373.7	348.3	365.2	384.5	381.4	374.5	384.5	384.5
62.5°	3044.2	1148.8	391.4	348.3	323.6	343.6	366.7	365.2	357.5	373.7	375.2
65°	2828.4	1033.2	379.1	316.7	298.9	322.1	342.1	347.5	340.6	362.1	366.0
67.5°	2370.8	869.1	355.2	286.6	274.3	295.9	315.1	322.8	317.4	342.9	345.9
70°	1767.5	703.4	317.4	253.5	244.2	263.5	281.2	284.3	285.1	315.1	318.2
72.5°	1127.2	547.0	267.4	216.5	209.6	224.2	237.3	249.6	255.0	283.5	282.8
75°	628.7	406.8	215.0	183.4	171.0	182.6	198.0	212.7	228.1	269.7	274.3
77.5°	362.1	285.8	170.3	147.2	132.5	144.8	157.9	178.8	225.0	261.2	256.6
80°	204.2	185.7	128.7	107.9	98.6	107.9	117.9	157.2	177.2	192.6	194.9
82.5°	95.5	104.0	87.8	66.3	66.3	72.4	81.7	121.7	134.1	109.4	95.5
85°	34.7	47.0	43.1	33.9	30.0	29.3	50.9	69.3	43.1	38.5	33.1
87.5°	9.2	13.1	12.3	8.5	4.6	3.9	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)