

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: P642984

Luminaire Tested: GWS-SA6E-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642984  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-722-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

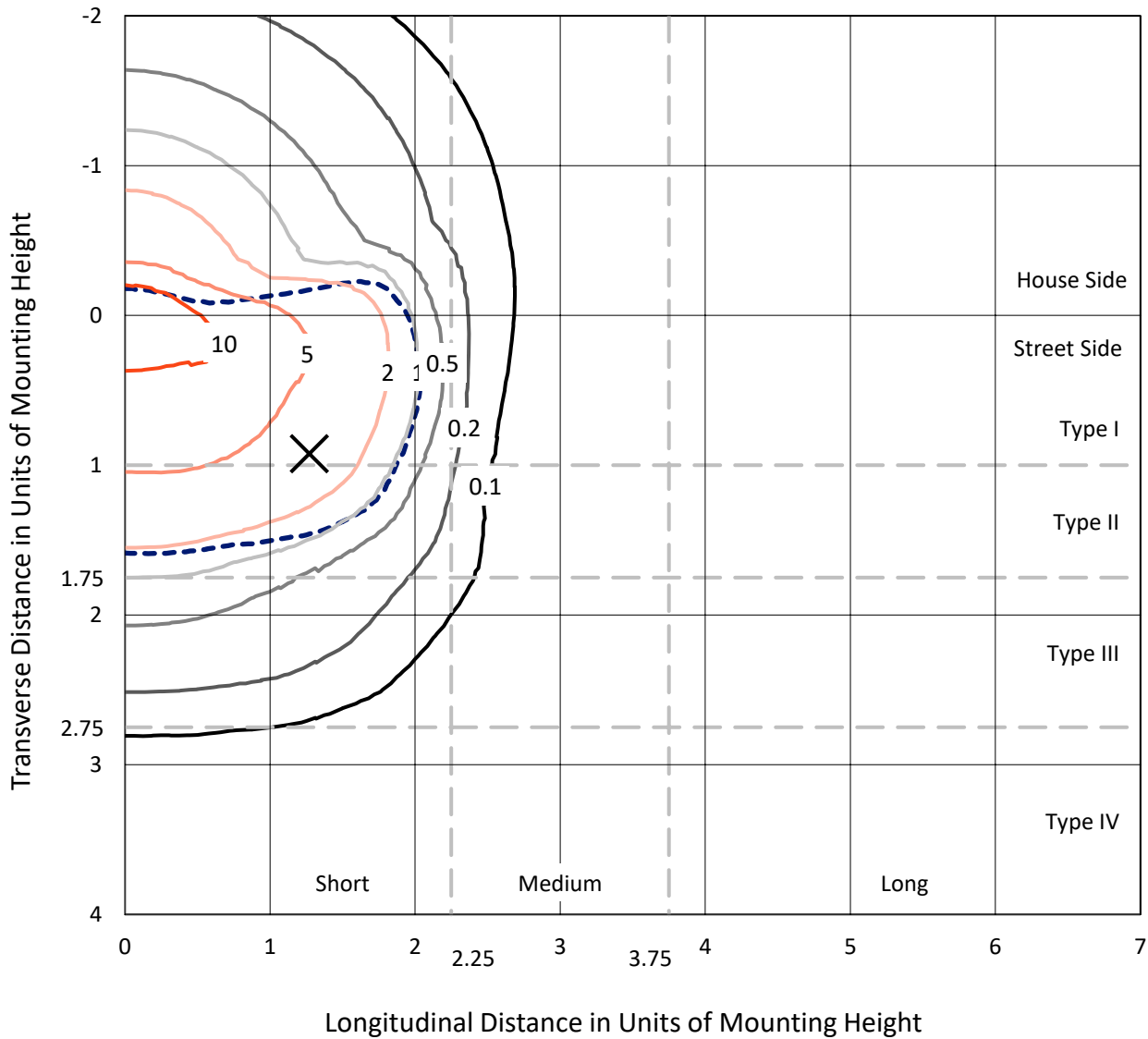
Lumens per Lamp: N/A  
Luminaire Lumens: 27613.5 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

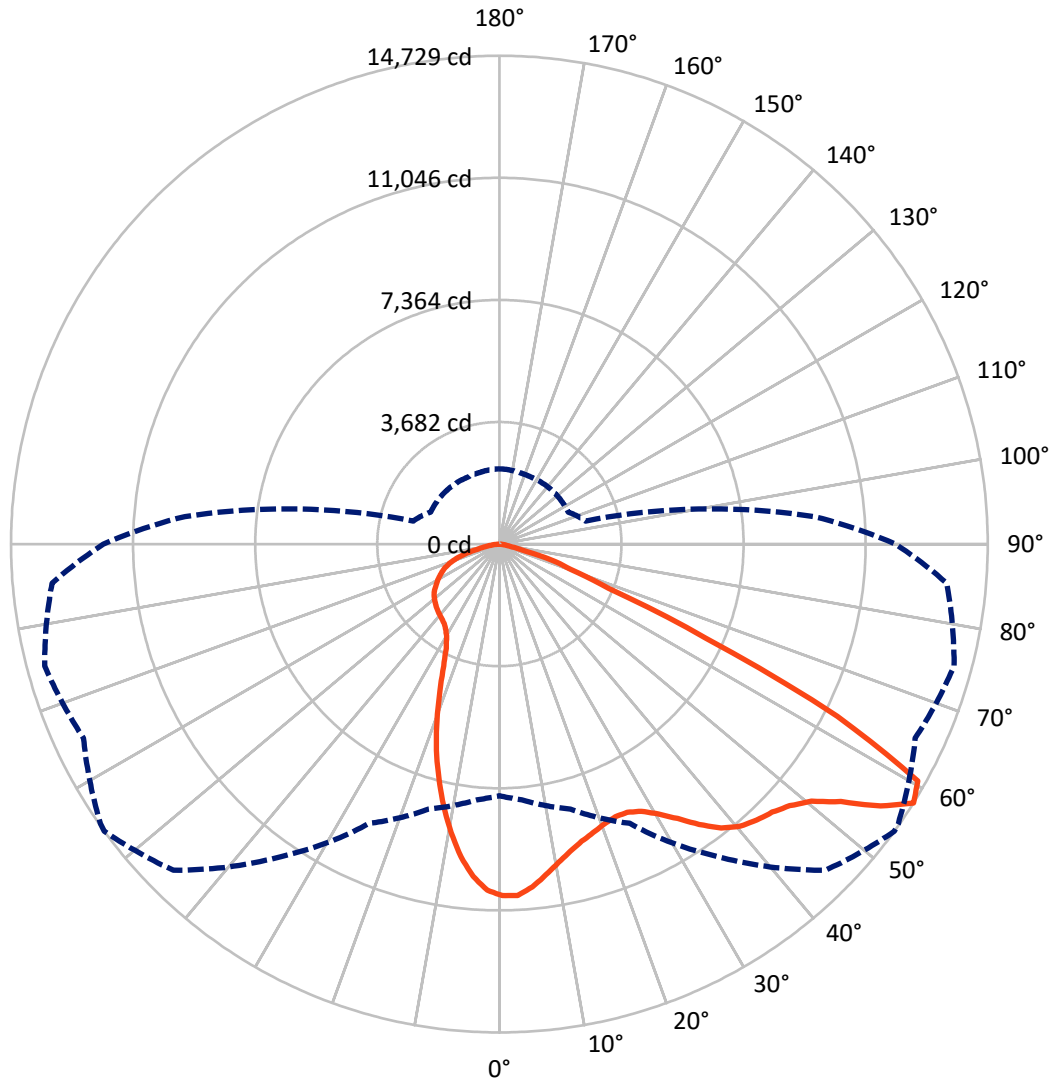
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8027.6	0.0	8027.6
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	19585.9	0.0	19585.9
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	27613.5	0.0	27613.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	931.9	3.4
10°-20°	2223.5	8.1
20°-30°	3077.0	11.1
30°-40°	4275.5	15.5
40°-50°	5646.7	20.4
50°-60°	6710.3	24.3
60°-70°	3717.6	13.5
70°-80°	925.8	3.4
80°-90°	105.3	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°	27613.5	100.0
0°-180°	27613.5	100.0

**Coefficient of Utilization**



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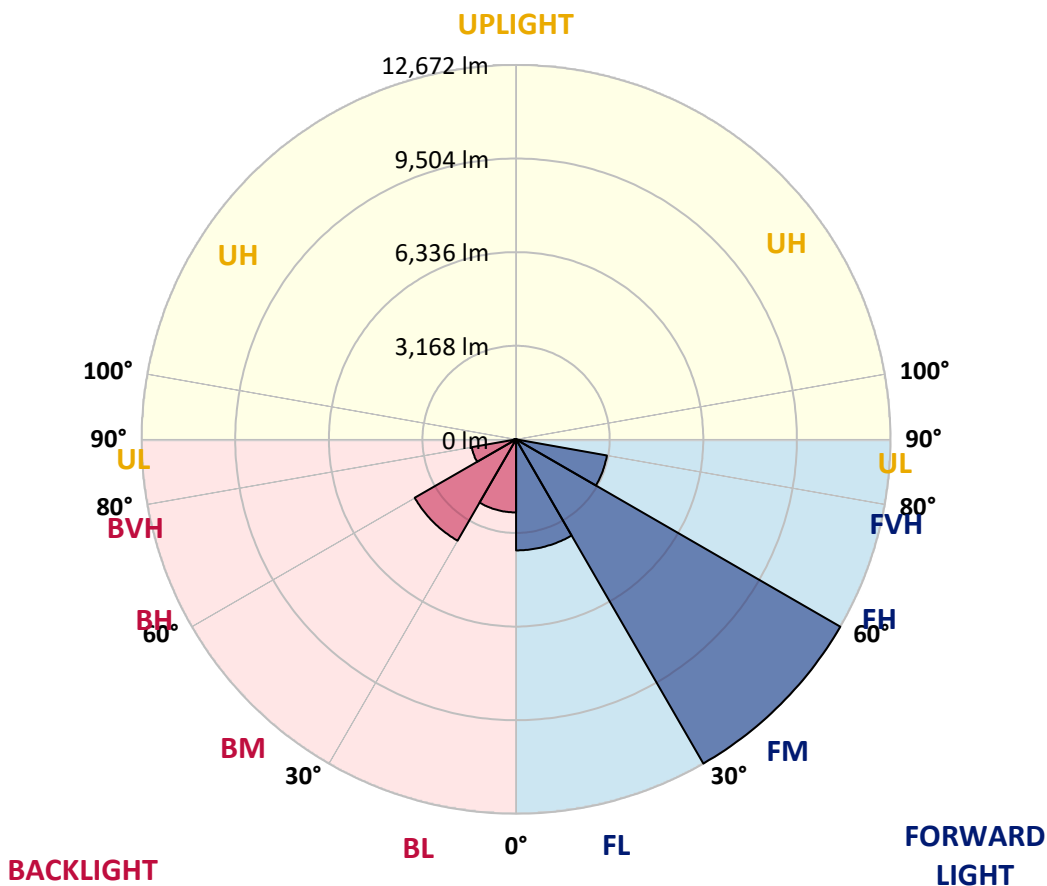
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3758.6	13.6			
FM (30°-60°)	12672.3	45.9			
FH (60°-80°)	3122.1	11.3			G2/5000
FVH (80°-90°)	32.9	0.1			G1/100
BL (0°-30°)	2473.8	9.0	B3/2500		
BM (30°-60°)	3960.2	14.3	B3/5000		
BH (60°-80°)	1521.3	5.5	B3/2500		G3/2500
BVH (80°-90°)	72.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	10601.4	10601.4	10601.4	10601.4	10601.4	10601.4	10601.4	10601.4	10601.4	10601.4	10601.4
2.5°	10402.9	10424.2	10438.4	10488.0	10530.5	10568.4	10608.5	10608.5	10606.2	10599.1	10584.9
5°	9991.6	10015.2	10048.3	10116.9	10209.1	10275.3	10384.0	10393.4	10440.7	10459.6	10450.2
7.5°	9514.1	9521.2	9563.8	9653.6	9800.1	9918.3	10074.3	10093.2	10206.7	10272.9	10261.1
10°	8991.7	8968.1	9043.7	9176.1	9367.6	9566.1	9767.0	9783.6	9965.6	10090.9	10081.4
12.5°	8514.3	8516.6	8592.3	8753.0	8991.7	9237.6	9507.0	9544.9	9769.4	9930.1	9913.6
15°	8114.8	8124.2	8216.4	8398.4	8670.3	8963.4	9299.0	9334.5	9618.1	9830.9	9783.6
17.5°	7795.7	7805.1	7885.5	8093.5	8384.2	8738.8	9147.7	9183.2	9535.4	9788.3	9691.4
20°	7575.8	7571.1	7649.1	7847.7	8147.9	8533.2	9015.4	9067.4	9509.4	9804.9	9629.9
22.5°	7486.0	7483.7	7540.4	7703.5	7984.8	8374.8	8935.0	9005.9	9537.8	9878.1	9592.1
25°	7530.9	7521.5	7571.1	7691.7	7916.2	8313.3	8958.6	9034.3	9658.3	10029.4	9599.2
27.5°	7670.4	7658.6	7701.1	7809.9	7980.0	8377.2	9124.1	9211.6	9913.6	10306.0	9693.8
30°	7883.1	7876.0	7918.6	8022.6	8171.5	8589.9	9440.8	9540.1	10308.3	10736.2	9899.4
32.5°	8131.3	8119.5	8195.1	8315.7	8488.3	8977.5	9866.3	9996.3	10776.4	11289.3	10244.5
35°	8410.2	8400.8	8504.8	8679.7	8927.9	9516.5	10381.6	10523.4	11253.8	11915.7	10703.1
37.5°	8682.1	8682.1	8883.0	9143.0	9455.0	10102.7	10866.2	10956.0	11584.8	12471.2	11194.8
40°	8923.2	8937.4	9239.9	9629.9	10027.1	10632.2	11185.3	11260.9	11731.3	12854.1	11622.6
42.5°	9190.3	9202.1	9554.3	10064.9	10537.6	11060.0	11379.1	11416.9	11759.7	13045.6	11925.2
45°	9403.0	9419.6	9856.9	10402.9	10982.0	11381.5	11532.8	11565.9	11799.9	13149.6	12145.0
47.5°	9514.1	9537.8	10038.9	10674.7	11282.2	11669.9	11785.7	11799.9	11965.3	13331.6	12409.7
50°	9495.2	9542.5	10107.4	10809.5	11504.4	11960.6	12192.3	12215.9	12303.4	13598.7	12719.4
52.5°	9663.0	9684.3	10254.0	10970.2	11821.1	12497.2	12899.0	12932.1	12891.9	13799.6	12903.7
55°	9384.1	9485.8	10072.0	10946.6	12303.4	13326.9	13946.2	13929.6	13426.1	14024.2	13211.0
57.5°	7590.0	7738.9	8275.5	9291.9	11509.1	13908.3	14728.6	14688.4	13839.8	14196.7	13544.3
60°	5254.6	5278.3	5762.8	6483.8	8883.0	12286.8	14499.3	14586.7	13915.4	13979.3	12927.4
62.5°	4202.8	4195.7	4240.6	4259.5	5649.4	8637.2	11445.3	11764.4	11561.1	10892.2	9161.9
65°	3588.2	3614.2	3746.6	3678.0	3687.5	4864.6	6838.3	6883.3	6741.4	6500.3	4845.7
67.5°	2808.1	2853.1	3087.1	3354.2	3269.1	3132.0	3548.0	3526.7	2779.8	2151.0	1777.5
70°	1758.6	1787.0	2037.6	2633.2	2846.0	2571.8	2281.0	2271.6	1489.2	1224.4	1342.6
72.5°	1025.9	1030.6	1101.5	1467.9	1888.6	1758.6	1678.3	1616.8	957.3	976.2	1070.8
75°	564.9	564.9	562.6	633.5	744.6	659.5	638.2	621.7	640.6	725.7	796.6
77.5°	118.2	120.6	127.6	167.8	217.5	264.7	333.3	335.7	418.4	484.6	541.3
80°	54.4	56.7	70.9	89.8	115.8	153.6	203.3	205.6	252.9	304.9	342.7
82.5°	28.4	30.7	37.8	47.3	61.5	80.4	113.5	113.5	151.3	179.6	203.3
85°	9.5	9.5	14.2	18.9	26.0	33.1	44.9	44.9	66.2	87.5	101.6
87.5°	0.0	0.0	0.0	0.0	2.4	4.7	9.5	9.5	11.8	14.2	23.6
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°	10601.4	10601.4	10601.4	10601.4	10601.4	10601.4	10601.4	10601.4	10601.4	10601.4	10601.4
2.5°	10554.2	10480.9	10483.3	10497.4	10452.5	10384.0	10339.1	10282.3	10246.9	10239.8	10265.8
5°	10402.9	10317.8	10258.7	10197.2	10069.6	9918.3	9800.1	9703.2	9639.4	9615.8	9587.4
7.5°	10194.9	10083.8	9934.9	9762.3	9530.7	9261.2	9072.1	8894.8	8771.9	8736.4	8719.9
10°	9986.9	9826.1	9561.4	9239.9	8854.6	8490.6	8147.9	7885.5	7677.5	7559.3	7597.1
12.5°	9771.8	9573.2	9159.6	8665.5	8129.0	7580.6	7131.5	6696.5	6360.9	6193.0	6143.4
15°	9582.7	9313.2	8736.4	8067.5	7353.6	6663.4	6013.4	5361.0	4935.5	4703.9	4640.1
17.5°	9421.9	9072.1	8289.7	7457.7	6604.3	5621.0	4822.1	4216.9	3926.2	3798.6	3789.1
20°	9263.6	8835.7	7847.7	6800.5	5739.2	4637.7	3923.8	3640.2	3536.2	3491.3	3488.9
22.5°	9121.7	8587.5	7382.0	6143.4	4878.8	3897.8	3505.5	3382.5	3354.2	3354.2	3349.4
25°	9001.2	8339.3	6904.5	5446.1	4101.1	3470.0	3288.0	3236.0	3247.8	3269.1	3271.4
27.5°	8951.5	8145.5	6443.6	4729.9	3564.5	3221.8	3139.1	3132.0	3165.1	3198.2	3202.9
30°	9003.6	8013.1	5970.8	4044.4	3243.1	3070.5	3032.7	3046.9	3087.1	3120.2	3120.2
32.5°	9164.3	7947.0	5488.6	3543.3	3056.3	2964.2	2952.3	2966.5	2997.2	3016.2	3018.5
35°	9436.1	7973.0	4989.9	3205.3	2935.8	2886.1	2883.8	2893.2	2905.1	2916.9	2919.2
37.5°	9778.9	8088.8	4455.7	3009.1	2857.8	2829.4	2824.7	2822.3	2824.7	2824.7	2827.1
40°	10114.5	8263.7	3978.2	2893.2	2803.4	2779.8	2768.0	2751.4	2749.0	2744.3	2742.0
42.5°	10362.7	8398.4	3597.6	2810.5	2753.8	2725.4	2711.2	2685.2	2682.9	2680.5	2678.1
45°	10549.4	8511.9	3280.9	2730.1	2701.8	2675.8	2645.0	2621.4	2626.1	2630.9	2630.9
47.5°	10759.8	8611.2	3049.2	2654.5	2638.0	2612.0	2574.1	2557.6	2574.1	2590.7	2590.7
50°	11015.1	8750.6	2860.1	2578.9	2571.8	2541.0	2507.9	2500.9	2519.8	2543.4	2543.4
52.5°	11201.8	8871.2	2725.4	2503.2	2503.2	2463.0	2434.7	2432.3	2453.6	2477.2	2479.6
55°	11551.7	9152.5	2678.1	2415.8	2406.3	2375.6	2354.3	2337.8	2363.8	2385.0	2385.0
57.5°	11946.4	9525.9	2690.0	2290.5	2278.7	2269.2	2252.7	2233.8	2240.8	2264.5	2266.8
60°	11109.7	8802.6	2559.9	2165.2	2158.1	2153.4	2132.1	2099.0	2108.5	2127.4	2129.7
62.5°	7760.2	5850.3	2070.7	2009.2	2032.8	2030.5	2002.1	1964.3	1966.6	1992.6	1992.6
65°	4027.8	3165.1	1817.7	1867.4	1902.8	1888.6	1841.4	1808.3	1803.5	1836.6	1829.5
67.5°	1737.4	1727.9	1654.6	1718.5	1756.3	1725.5	1675.9	1621.5	1626.3	1638.1	1628.6
70°	1399.3	1441.9	1472.6	1541.2	1571.9	1515.2	1460.8	1430.1	1404.1	1401.7	1385.2
72.5°	1118.1	1177.2	1245.7	1316.6	1326.1	1269.3	1200.8	1172.4	1132.2	1129.9	1113.3
75°	841.5	891.1	945.5	1002.2	1002.2	947.9	903.0	888.8	841.5	827.3	813.1
77.5°	574.4	605.1	647.7	661.9	676.0	654.8	609.8	586.2	531.8	517.7	498.8
80°	361.7	382.9	408.9	418.4	432.6	406.6	371.1	345.1	307.3	295.5	286.0
82.5°	217.5	231.6	248.2	252.9	264.7	245.8	212.7	193.8	172.6	163.1	156.0
85°	111.1	118.2	127.6	130.0	127.6	108.7	96.9	87.5	73.3	70.9	66.2
87.5°	28.4	33.1	35.5	33.1	30.7	23.6	16.5	11.8	4.7	4.7	2.4
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)