

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: P642019

Luminaire Tested: GWS-SA6C-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20929.7 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

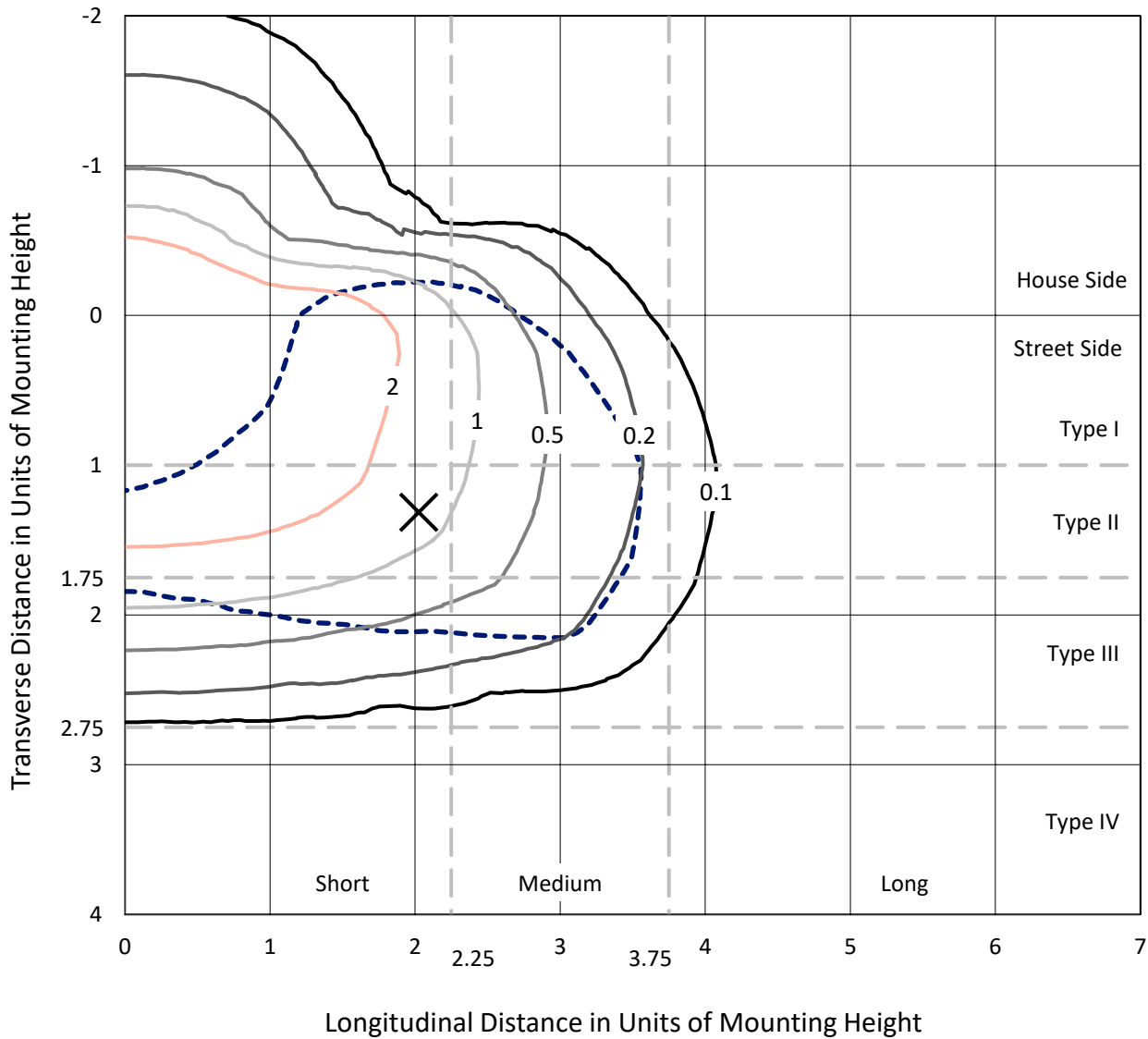
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

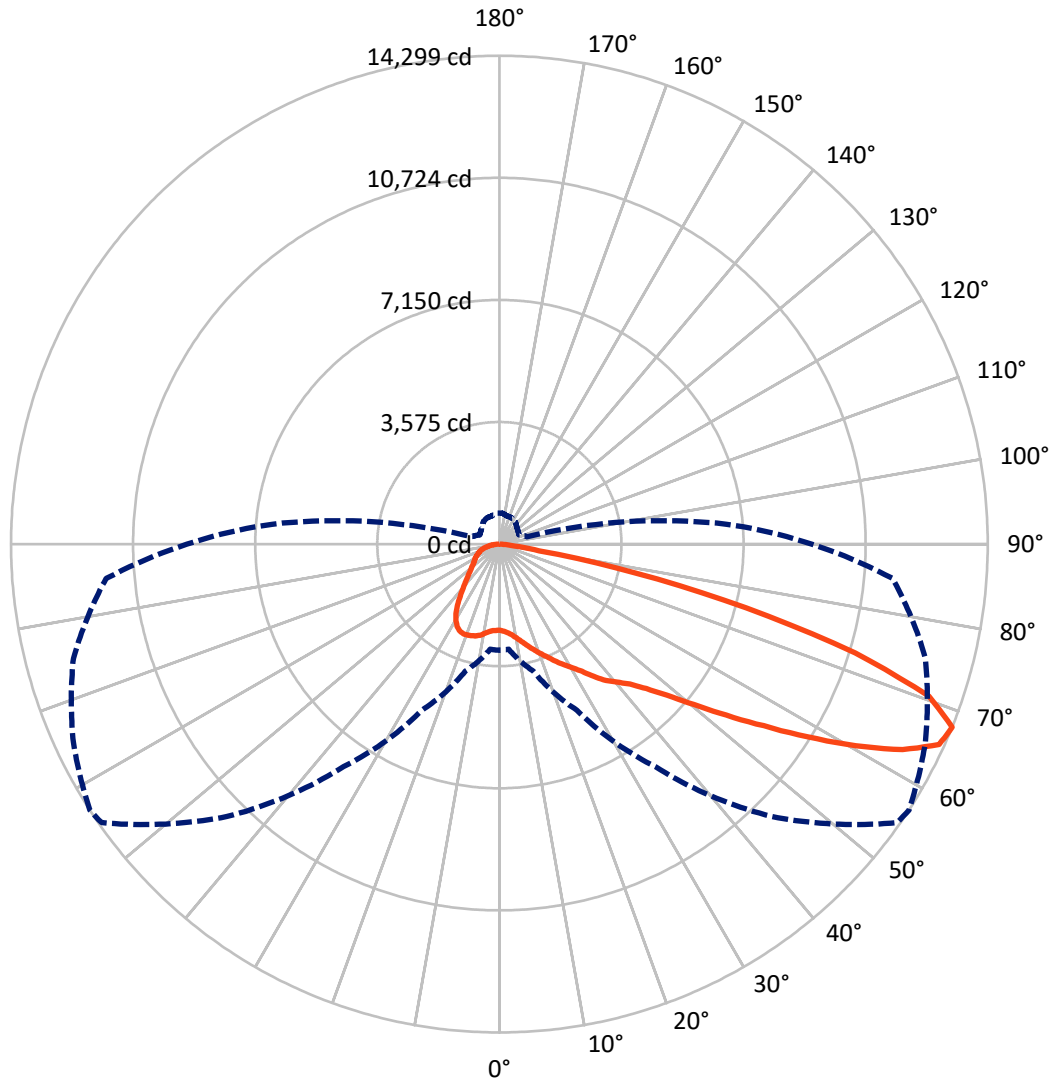
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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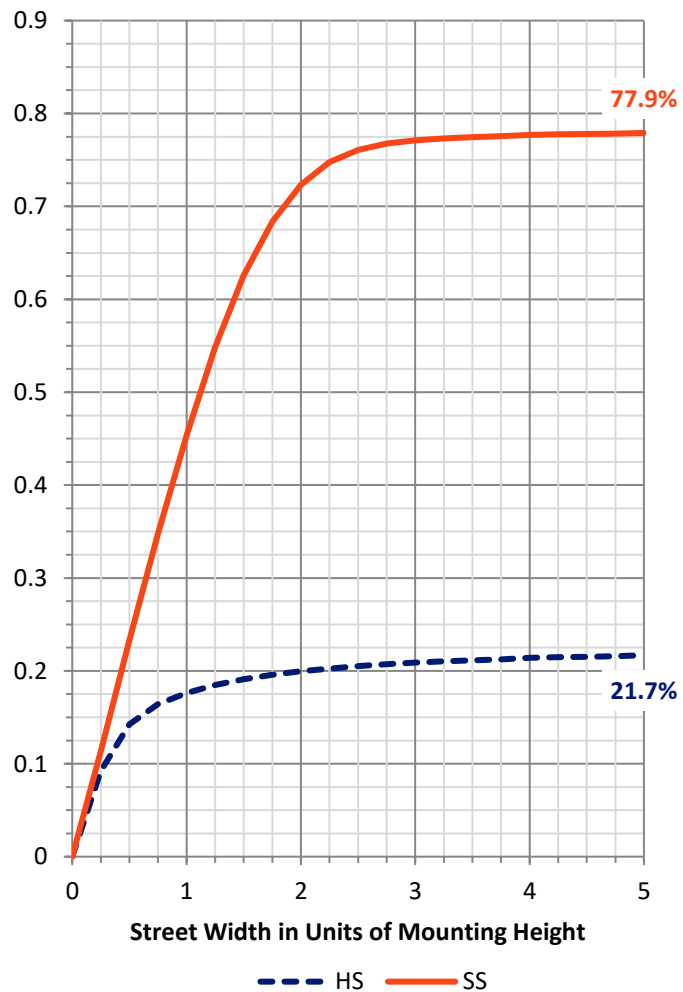
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4601.6	0.0	4601.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	16328.0	0.0	16328.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	20929.7	0.0	20929.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.1	1.2
10°-20°	828.0	4.0
20°-30°	1476.2	7.1
30°-40°	2146.2	10.3
40°-50°	3106.3	14.8
50°-60°	4861.2	23.2
60°-70°	5670.9	27.1
70°-80°	2367.3	11.3
80°-90°	223.4	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°	20929.7	100.0
0°-180°	20929.7	100.0

Coefficient of Utilization



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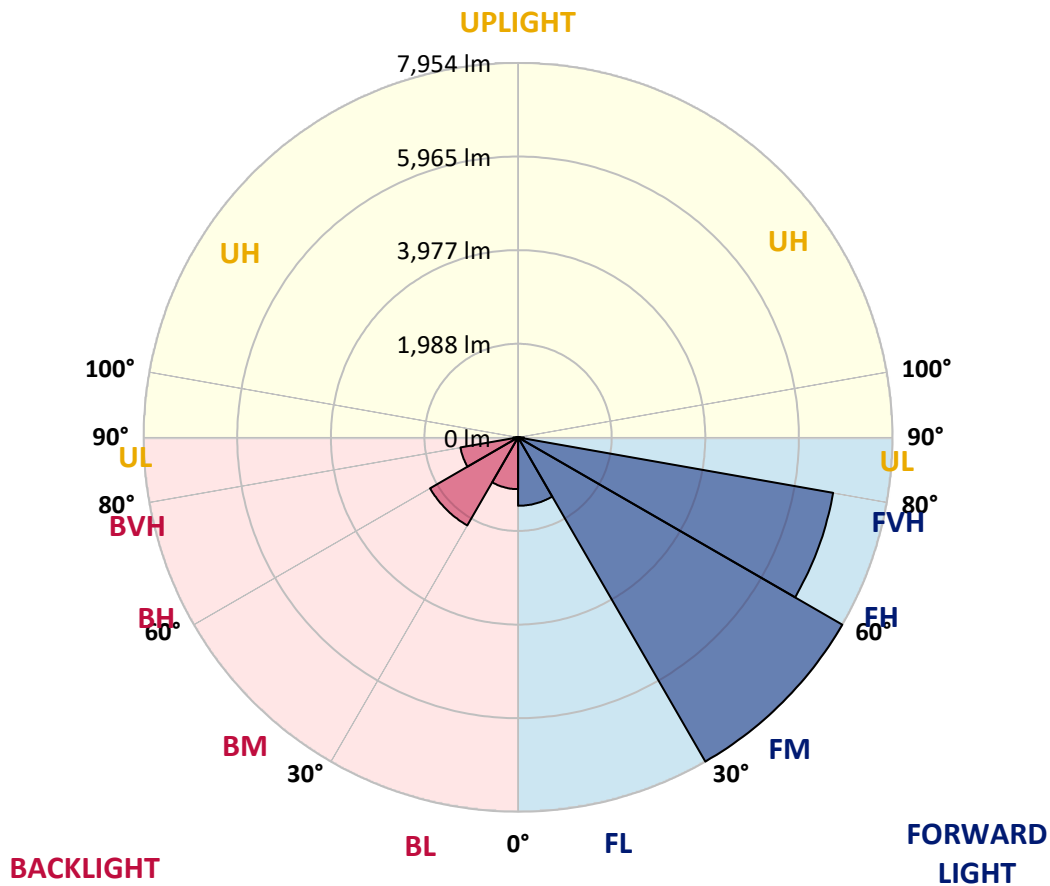
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1453.8	6.9			
FM (30°-60°)	7953.6	38.0			
FH (60°-80°)	6796.2	32.5			G3/7500
FVH (80°-90°)	124.5	0.6			G2/225
BL (0°-30°)	1100.6	5.3	B3/2500		
BM (30°-60°)	2160.1	10.3	B2/2500		
BH (60°-80°)	1242.0	5.9	B3/2500		G3/2500
BVH (80°-90°)	98.9	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2521.9	2521.9	2521.9	2521.9	2521.9	2521.9	2521.9	2521.9	2521.9	2521.9	2521.9
2.5°	2557.9	2554.9	2553.4	2562.4	2559.4	2557.9	2557.9	2556.4	2553.4	2541.4	2524.9
5°	2628.3	2622.3	2616.3	2623.8	2617.8	2611.8	2610.3	2607.3	2596.9	2578.9	2553.4
7.5°	2701.8	2695.8	2697.3	2701.8	2697.3	2694.3	2689.8	2686.8	2670.3	2641.8	2607.3
10°	2805.3	2805.3	2808.3	2812.8	2814.3	2809.8	2800.8	2796.3	2776.8	2740.8	2692.8
12.5°	2955.2	2952.2	2952.2	2949.2	2953.7	2949.2	2940.2	2932.7	2908.7	2862.2	2793.3
15°	3153.1	3141.1	3130.6	3111.1	3105.1	3088.6	3091.6	3087.1	3064.6	3001.7	2914.7
17.5°	3364.5	3363.0	3346.5	3307.5	3268.6	3241.6	3247.6	3246.1	3234.1	3148.6	3037.7
20°	3550.4	3557.9	3542.9	3512.9	3460.5	3409.5	3406.5	3414.0	3399.0	3313.5	3159.1
22.5°	3758.8	3752.8	3737.8	3698.9	3659.9	3605.9	3587.9	3581.9	3575.9	3478.5	3283.6
25°	3956.8	3974.7	3955.3	3919.3	3859.3	3800.8	3785.8	3791.8	3775.3	3646.4	3417.0
27.5°	4207.1	4214.6	4202.6	4153.2	4102.2	4019.7	3991.2	3991.2	3985.2	3803.8	3521.9
30°	4474.0	4495.0	4474.0	4433.5	4381.1	4262.6	4201.1	4195.1	4177.2	3965.7	3644.9
32.5°	4742.4	4757.4	4742.4	4703.4	4643.4	4540.0	4451.5	4438.0	4414.1	4142.7	3770.8
35°	4980.8	4994.3	4991.3	5000.3	4950.8	4820.4	4766.4	4760.4	4697.4	4373.6	3941.8
37.5°	5241.7	5258.2	5235.7	5253.7	5234.2	5111.2	5094.8	5064.8	4974.8	4591.0	4121.7
40°	5538.6	5553.5	5517.6	5525.1	5502.6	5433.6	5349.6	5309.2	5175.7	4826.4	4405.1
42.5°	5856.4	5890.9	5907.4	5893.9	5841.4	5802.4	5655.5	5604.5	5493.6	5250.7	4871.3
45°	6316.7	6367.7	6391.7	6357.2	6334.7	6279.2	6099.3	6037.8	5979.4	5848.9	5522.1
47.5°	6813.0	6859.5	6935.9	6950.9	6968.9	6926.9	6673.6	6613.6	6624.1	6609.1	6322.7
50°	7208.8	7247.8	7420.2	7604.6	7757.6	7769.6	7445.7	7381.2	7438.2	7486.2	7286.8
52.5°	7496.7	7531.2	7759.1	8139.9	8486.3	8742.6	8393.3	8319.8	8366.3	8474.3	8382.8
55°	7730.6	7778.6	8017.0	8601.7	9301.9	9706.7	9483.3	9390.4	9370.9	9504.3	9556.8
57.5°	7853.5	7868.5	8202.9	8963.0	9900.1	10652.8	10750.3	10645.3	10459.4	10532.8	10805.7
60°	7573.2	7598.6	8055.9	9056.0	10372.4	11591.4	12080.2	11993.2	11597.4	11637.9	11939.2
62.5°	6798.0	6834.0	7384.2	8613.7	10411.4	12218.1	13308.1	13252.6	12721.9	12503.0	12592.9
65°	5453.1	5465.1	6034.8	7519.2	9636.2	12296.1	14164.2	14150.8	13507.5	12994.8	12609.4
67.5°	3109.6	3088.6	3850.3	5363.1	7952.5	11282.5	14219.7	14299.2	13762.4	12913.8	11559.9
70°	1347.9	1350.9	1701.7	2646.3	5147.2	9119.0	13207.7	13344.1	13024.7	11565.9	9196.9
72.5°	623.7	632.7	784.2	1145.5	2198.0	5657.0	10769.7	10892.7	10618.3	9256.9	6691.5
75°	440.8	448.3	523.3	656.7	1010.6	2204.0	7204.3	7462.2	7595.6	6923.9	4409.6
77.5°	334.4	344.8	382.3	455.8	623.7	781.2	3447.0	4061.7	4838.4	4307.6	2271.5
80°	212.9	212.9	253.4	304.4	380.8	406.3	995.6	1180.0	2367.5	1775.2	892.1
82.5°	143.9	148.4	172.4	193.4	218.9	230.9	427.3	455.8	683.7	604.2	367.3
85°	76.5	79.5	90.0	88.5	105.0	91.5	179.9	178.4	250.4	274.4	139.4
87.5°	0.0	0.0	1.5	1.5	3.0	4.5	19.5	21.0	52.5	84.0	46.5
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°	2521.9	2521.9	2521.9	2521.9	2521.9	2521.9	2521.9	2521.9	2521.9	2521.9	2521.9
2.5°	2533.9	2515.9	2524.9	2521.9	2530.9	2530.9	2514.4	2509.9	2511.4	2493.4	2487.4
5°	2556.4	2535.4	2539.9	2533.9	2542.9	2550.4	2542.9	2542.9	2551.9	2538.4	2530.9
7.5°	2607.3	2583.4	2583.4	2575.9	2586.4	2592.4	2586.4	2595.4	2611.8	2598.4	2590.9
10°	2688.3	2659.8	2661.3	2652.3	2656.8	2653.8	2629.8	2622.3	2626.8	2614.8	2608.8
12.5°	2793.3	2754.3	2754.3	2736.3	2725.8	2694.3	2644.8	2626.8	2629.8	2619.3	2614.8
15°	2893.7	2857.7	2850.2	2814.3	2766.3	2707.8	2662.8	2650.8	2653.8	2643.3	2635.8
17.5°	3012.2	2965.7	2938.7	2872.7	2784.3	2724.3	2679.3	2650.8	2626.8	2602.9	2596.9
20°	3121.6	3063.1	3013.7	2911.7	2803.8	2721.3	2637.3	2566.9	2508.4	2476.9	2469.4
22.5°	3234.1	3159.1	3072.1	2938.7	2802.3	2667.3	2512.9	2406.4	2319.5	2273.0	2282.0
25°	3340.5	3246.1	3127.6	2964.2	2754.3	2547.4	2337.5	2178.5	2079.6	2043.6	2033.1
27.5°	3429.0	3312.0	3178.6	2952.2	2655.3	2375.0	2097.6	1920.7	1824.7	1784.2	1773.7
30°	3527.9	3396.0	3252.1	2896.7	2499.4	2133.6	1826.2	1682.3	1613.3	1574.3	1575.8
32.5°	3641.9	3504.0	3355.5	2790.3	2300.0	1872.7	1602.8	1503.8	1448.4	1409.4	1403.4
35°	3794.8	3658.4	3424.5	2629.8	2046.6	1632.8	1449.9	1368.9	1299.9	1248.9	1238.5
37.5°	3983.7	3890.8	3432.0	2415.4	1775.2	1467.9	1340.4	1253.4	1169.5	1102.0	1094.5
40°	4307.6	4201.1	3370.5	2147.1	1544.3	1361.4	1248.9	1148.5	1051.0	976.1	965.6
42.5°	4769.4	4550.5	3238.6	1844.2	1370.4	1277.4	1162.0	1034.5	935.6	883.1	875.6
45°	5357.1	4940.3	3040.7	1559.3	1241.5	1195.0	1070.5	937.1	884.6	847.1	839.6
47.5°	6076.8	5394.6	2812.8	1337.4	1141.0	1120.0	977.6	904.1	857.6	826.1	818.6
50°	6937.4	5973.4	2625.3	1163.5	1051.0	1033.0	947.6	884.6	847.1	821.6	815.6
52.5°	7919.5	6616.6	2533.9	1039.0	973.1	955.1	937.1	880.1	848.6	829.1	821.6
55°	8939.1	7294.3	2448.4	943.1	907.1	917.6	938.6	895.1	871.1	845.6	838.1
57.5°	9924.1	7930.0	2238.5	868.1	859.1	899.6	946.1	910.1	881.6	856.1	847.1
60°	10603.3	8277.8	1883.2	808.1	823.1	877.1	926.6	887.6	851.6	841.1	836.6
62.5°	10786.2	8235.9	1461.9	746.7	779.7	827.6	875.6	850.1	812.6	829.1	830.6
65°	10358.9	7786.1	1097.5	686.7	722.7	763.2	823.1	812.6	799.1	844.1	845.6
67.5°	9149.0	6681.0	836.6	634.2	664.2	713.7	806.6	850.1	853.1	910.1	904.1
70°	6922.4	4991.3	655.2	584.7	619.2	713.7	859.1	878.6	842.6	895.1	883.1
72.5°	4785.9	3294.0	557.8	541.3	563.8	680.7	857.6	857.6	818.6	818.6	796.1
75°	2973.2	1937.1	485.8	485.8	485.8	595.2	833.6	790.2	721.2	689.7	671.7
77.5°	1467.9	941.6	407.8	422.8	406.3	497.8	680.7	646.2	604.2	571.2	559.3
80°	626.7	470.8	329.9	346.3	326.9	374.8	539.8	532.3	491.8	448.3	434.8
82.5°	287.9	242.9	263.9	271.4	238.4	281.9	394.3	394.3	371.8	311.9	289.4
85°	122.9	128.9	182.9	182.9	149.9	158.9	211.4	200.9	179.9	146.9	134.9
87.5°	42.0	63.0	93.0	81.0	31.5	13.5	7.5	3.0	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)