

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: P642355

Luminaire Tested: GWS-SA6C-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27670.8 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

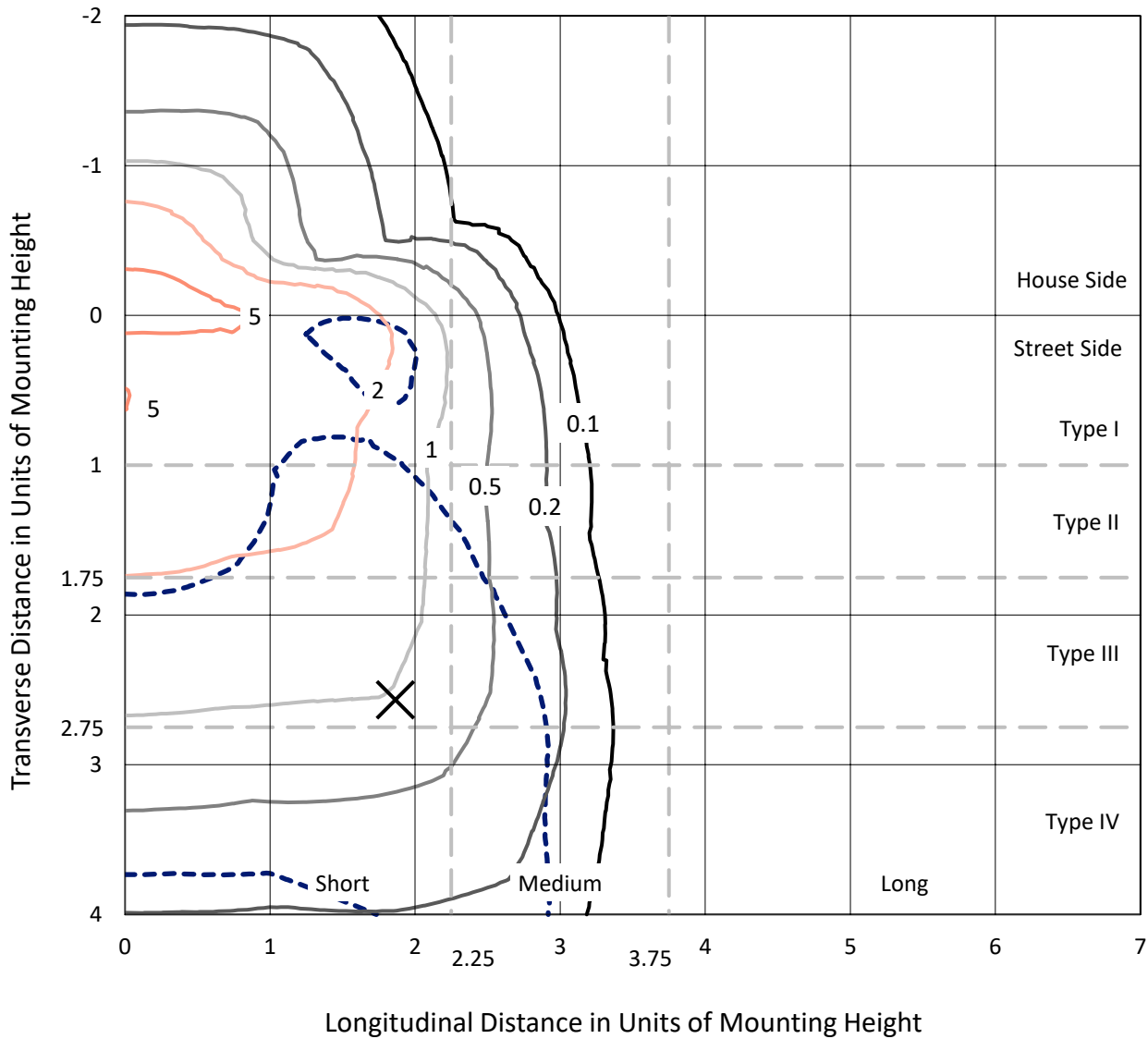
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

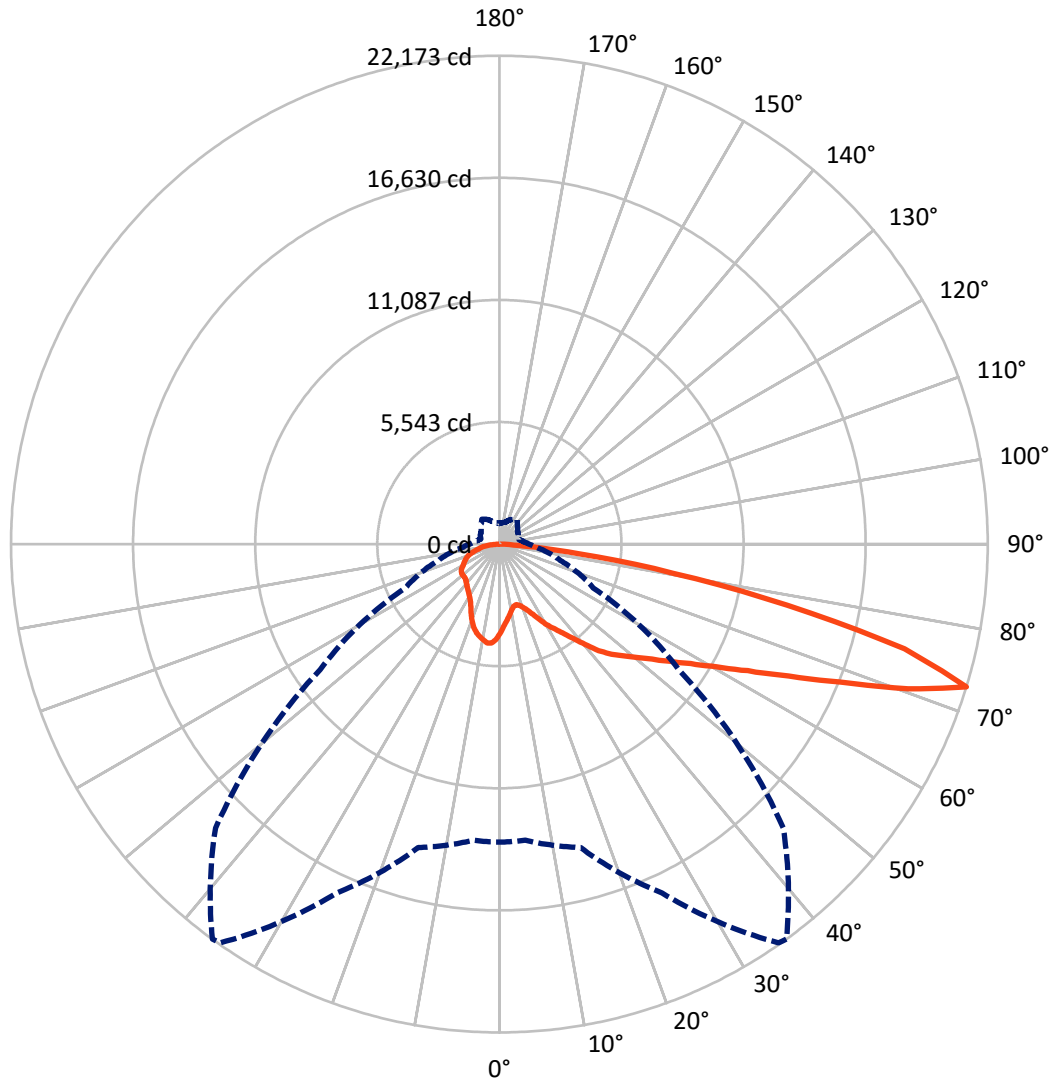
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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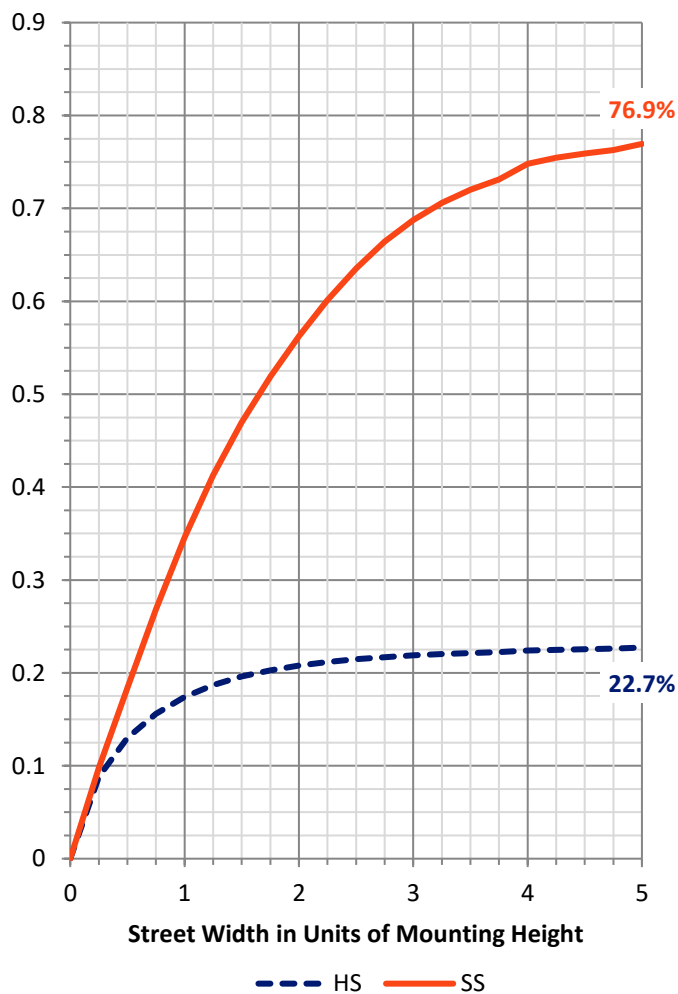
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6379.3	0.0	6379.3
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	21291.5	0.0	21291.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	27670.8	0.0	27670.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.5	1.4
10°-20°	1068.0	3.9
20°-30°	1768.8	6.4
30°-40°	2648.9	9.6
40°-50°	3864.5	14.0
50°-60°	5500.3	19.9
60°-70°	6949.3	25.1
70°-80°	4951.9	17.9
80°-90°	540.6	2.0
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°	27670.8	100.0
0°-180°	27670.8	100.0

Coefficient of Utilization



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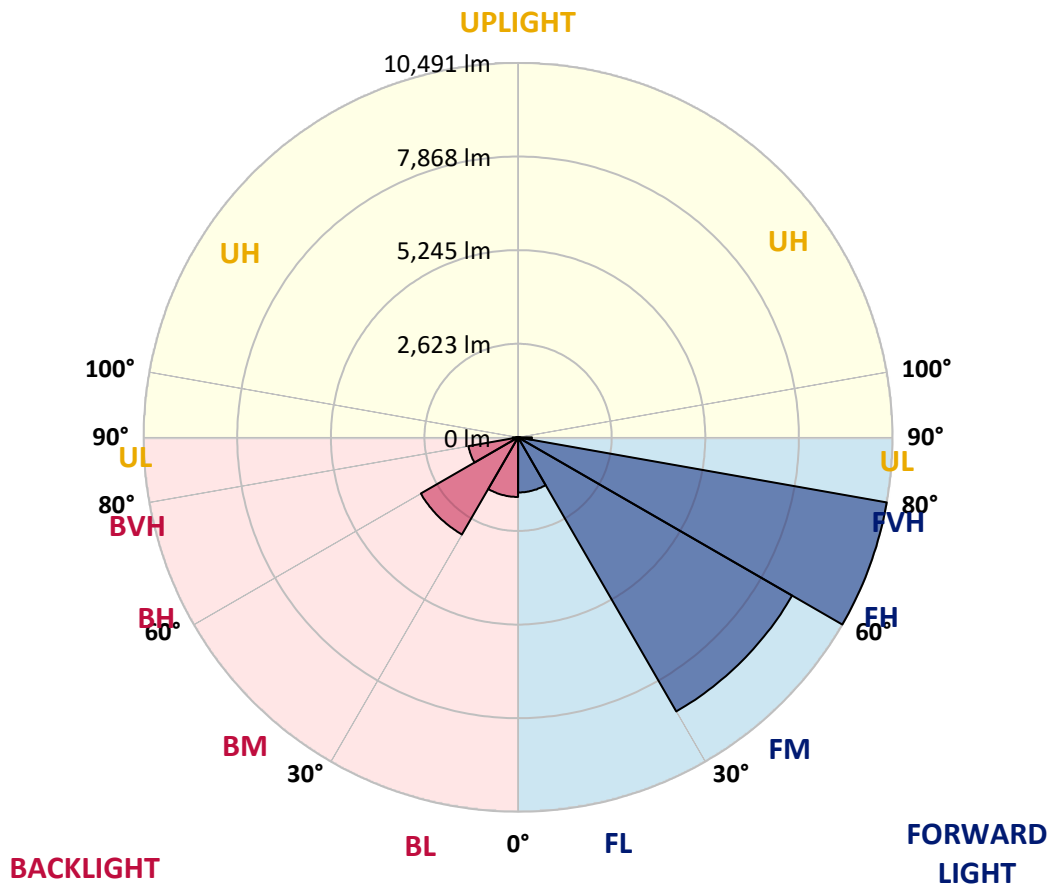
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1544.8	5.6			
FM (30°-60°)	8867.8	32.0			
FH (60°-80°)	10490.9	37.9			G4/12000
FVH (80°-90°)	388.0	1.4			G3/500
BL (0°-30°)	1670.5	6.0	B3/2500		
BM (30°-60°)	3145.9	11.4	B3/5000		
BH (60°-80°)	1410.3	5.1	B3/2500		G3/2500
BVH (80°-90°)	152.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	4049.7	4049.7	4049.7	4049.7	4049.7	4049.7	4049.7	4049.7	4049.7	4049.7	4049.7
2.5°	3694.5	3688.3	3676.0	3713.0	3749.9	3745.8	3797.1	3846.4	3899.8	3955.3	4029.2
5°	3398.7	3394.6	3384.4	3439.8	3495.3	3493.2	3577.4	3657.5	3766.3	3885.5	4033.3
7.5°	3103.0	3092.8	3107.1	3177.0	3255.0	3263.2	3378.2	3509.6	3667.8	3846.4	4055.9
10°	2842.2	2840.2	2846.3	2924.4	3041.4	3049.6	3197.5	3380.3	3589.7	3828.0	4107.2
12.5°	2774.4	2770.3	2753.9	2792.9	2881.2	2893.6	3055.8	3279.6	3536.3	3838.2	4177.1
15°	2885.3	2875.1	2817.6	2799.1	2842.2	2852.5	2990.1	3220.1	3505.5	3856.7	4265.4
17.5°	3076.3	3070.2	2961.3	2885.3	2914.1	2922.3	3025.0	3209.8	3497.3	3893.7	4374.2
20°	3355.6	3328.9	3158.5	3043.5	3043.5	3055.8	3117.4	3255.0	3507.6	3938.8	4497.4
22.5°	3725.3	3671.9	3431.6	3275.5	3234.5	3250.9	3277.6	3367.9	3550.7	4014.8	4651.5
25°	4140.1	4090.8	3805.4	3585.6	3528.1	3534.3	3511.7	3528.1	3645.2	4119.6	4842.4
27.5°	4581.6	4548.8	4244.8	3965.5	3875.2	3875.2	3795.1	3756.1	3776.6	4238.7	5056.0
30°	4975.9	4930.7	4674.0	4368.1	4248.9	4248.9	4097.0	4012.8	3963.5	4384.5	5341.5
32.5°	5183.3	5156.6	4986.2	4752.1	4606.3	4583.7	4452.3	4353.7	4238.7	4600.1	5727.6
35°	5454.4	5448.3	5345.6	5162.8	4978.0	4945.1	4854.8	4776.7	4577.5	4869.1	6241.0
37.5°	5795.3	5785.1	5768.6	5659.8	5438.0	5431.8	5351.7	5257.3	4998.5	5257.3	6863.2
40°	6177.3	6158.8	6138.3	6136.2	6002.7	5980.2	5974.0	5867.2	5505.8	5725.5	7512.2
42.5°	6703.0	6639.4	6446.3	6532.6	6631.2	6610.6	6688.7	6528.5	6138.3	6282.0	8126.2
45°	7349.9	7193.8	6811.9	6836.5	7085.0	7126.1	7397.2	7358.1	6834.5	6924.8	8773.1
47.5°	7738.1	7602.5	7247.2	7226.7	7536.8	7588.1	8177.5	8251.5	7584.0	7699.0	9571.9
50°	8056.4	7961.9	7670.3	7699.0	8027.6	8079.0	8951.7	9109.9	8290.5	8491.7	10500.2
52.5°	8440.4	8304.9	8079.0	8214.5	8617.0	8678.6	9812.2	9982.7	8927.1	9362.5	11461.3
55°	8656.0	8600.6	8604.7	8812.1	9317.3	9401.5	10713.8	10685.0	9510.3	10107.9	12184.1
57.5°	9153.0	9132.5	9321.4	9399.4	10134.6	10243.5	11615.3	11368.9	10040.2	10685.0	12531.2
60°	10029.9	9978.6	10142.8	10262.0	11145.0	11299.0	12621.6	12038.3	10399.5	11114.2	12414.2
62.5°	11262.1	11198.4	11204.6	11393.5	12498.4	12660.6	13740.8	12596.9	10510.4	11179.9	11672.8
65°	12794.1	12701.7	12596.9	12853.6	14295.3	14430.8	14958.6	13003.5	10245.5	10547.4	10124.4
67.5°	14410.3	14334.3	14211.1	14749.1	16622.0	16704.2	16324.3	12968.6	9405.6	8855.2	7101.4
70°	14504.7	14523.2	15106.5	17053.3	19659.3	19679.9	17616.0	12266.3	7616.9	5739.9	3538.4
72.5°	13531.3	13500.5	14260.4	17474.3	22103.1	22173.0	18225.9	9937.5	4706.9	2862.8	1659.3
75°	10991.0	11044.4	11843.2	15289.2	18944.7	19006.3	14858.0	5859.0	2236.4	1400.6	1061.7
77.5°	4731.5	5029.3	6604.5	10771.3	13568.3	13377.3	7658.0	2374.0	1193.2	998.1	813.2
80°	1365.7	1482.7	2353.5	5121.7	8130.3	7986.5	3031.1	889.2	831.7	749.6	583.2
82.5°	441.5	488.8	862.5	2039.2	3643.1	3639.0	1150.0	525.7	544.2	509.3	375.8
85°	123.2	141.7	264.9	618.1	1127.4	1104.8	332.7	248.5	289.6	293.7	186.9
87.5°	0.0	0.0	2.1	4.1	4.1	4.1	8.2	37.0	84.2	106.8	76.0
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°	4049.7	4049.7	4049.7	4049.7	4049.7	4049.7	4049.7	4049.7	4049.7	4049.7	4049.7
2.5°	4074.4	4068.2	4152.4	4218.1	4279.8	4320.8	4333.1	4341.4	4357.8	4366.0	4357.8
5°	4103.1	4133.9	4273.6	4376.3	4458.4	4507.7	4509.8	4505.6	4518.0	4507.7	4501.5
7.5°	4164.7	4224.3	4400.9	4509.8	4563.2	4565.2	4515.9	4458.4	4429.7	4405.0	4396.8
10°	4246.9	4335.2	4528.2	4600.1	4583.7	4507.7	4398.9	4308.5	4257.2	4220.2	4212.0
12.5°	4359.8	4458.4	4641.2	4639.1	4536.5	4400.9	4273.6	4164.7	4090.8	4047.7	4033.3
15°	4466.6	4591.9	4723.3	4626.8	4464.6	4300.3	4136.0	3990.2	3891.6	3823.8	3811.5
17.5°	4598.1	4731.5	4782.9	4587.8	4374.2	4162.7	3943.0	3752.0	3618.5	3538.4	3532.2
20°	4750.0	4869.1	4811.6	4520.0	4257.2	3979.9	3682.1	3468.6	3324.8	3246.8	3252.9
22.5°	4926.6	5012.9	4819.9	4427.6	4094.9	3721.2	3388.5	3183.1	3086.6	3045.5	3047.6
25°	5115.6	5171.0	4805.5	4302.3	3846.4	3404.9	3086.6	2992.1	2983.9	2973.6	2977.8
27.5°	5339.4	5327.1	4762.4	4125.7	3511.7	3037.3	2875.1	2899.7	2932.6	2928.5	2932.6
30°	5639.3	5522.2	4706.9	3881.3	3113.3	2729.3	2749.8	2819.6	2862.8	2866.9	2879.2
32.5°	5982.2	5737.8	4618.6	3548.7	2733.4	2556.8	2632.7	2716.9	2768.3	2778.6	2795.0
35°	6390.9	5984.3	4462.5	3133.8	2460.2	2454.1	2523.9	2581.4	2636.9	2641.0	2641.0
37.5°	6861.2	6230.7	4214.0	2675.9	2291.8	2365.8	2431.5	2443.8	2458.2	2445.9	2452.0
40°	7292.4	6468.9	3860.8	2259.0	2154.3	2287.7	2343.2	2302.1	2256.9	2226.1	2232.3
42.5°	7653.9	6631.2	3392.6	1967.4	2014.6	2217.9	2261.0	2176.8	2088.5	2031.0	2039.2
45°	8060.5	6781.1	2842.2	1770.2	1895.5	2168.6	2197.4	2088.5	1975.6	1889.3	1877.0
47.5°	8621.1	7087.1	2353.5	1632.6	1811.3	2141.9	2189.2	2041.3	1893.4	1764.1	1749.7
50°	9313.2	7520.4	1944.8	1542.3	1772.3	2127.6	2187.1	1990.0	1813.3	1661.4	1651.1
52.5°	10068.9	7943.4	1642.9	1472.4	1733.3	2084.4	2176.8	1932.5	1729.2	1564.9	1552.5
55°	10572.1	8109.8	1439.6	1406.7	1669.6	2016.7	2135.8	1877.0	1601.8	1451.9	1433.4
57.5°	10719.9	7896.2	1297.9	1347.2	1587.5	1922.2	2057.7	1760.0	1523.8	1404.7	1390.3
60°	10465.3	7358.1	1209.6	1297.9	1497.1	1801.0	1922.2	1692.2	1462.2	1355.4	1345.1
62.5°	9746.5	6528.5	1141.8	1246.5	1404.7	1673.7	1835.9	1610.0	1394.4	1310.2	1295.8
65°	8300.7	5353.8	1086.4	1193.2	1316.4	1552.5	1741.5	1527.9	1320.5	1256.8	1240.4
67.5°	5805.6	3760.2	1026.8	1129.5	1228.1	1435.5	1642.9	1451.9	1244.5	1197.3	1180.8
70°	2838.1	1994.1	954.9	1055.6	1133.6	1316.4	1544.3	1359.5	1143.9	1117.2	1094.6
72.5°	1351.3	1115.1	870.7	954.9	1004.2	1158.2	1380.0	1226.0	1024.8	967.3	928.2
75°	905.6	792.7	759.8	835.8	848.1	971.4	1182.9	1057.6	903.6	837.9	805.0
77.5°	685.9	605.8	638.7	706.4	681.8	798.9	973.4	942.6	815.3	755.7	739.3
80°	482.6	441.5	507.2	548.3	529.8	679.7	876.9	807.1	671.5	605.8	593.5
82.5°	303.9	295.7	373.8	379.9	386.1	538.0	720.8	634.6	521.6	429.2	398.4
85°	152.0	168.4	223.8	223.8	221.8	277.2	410.7	357.3	281.3	223.8	217.7
87.5°	51.3	71.9	96.5	78.0	59.6	47.2	53.4	65.7	69.8	67.8	67.8
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)