

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: P642151

Luminaire Tested: GWS-SA6C-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18151.1 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

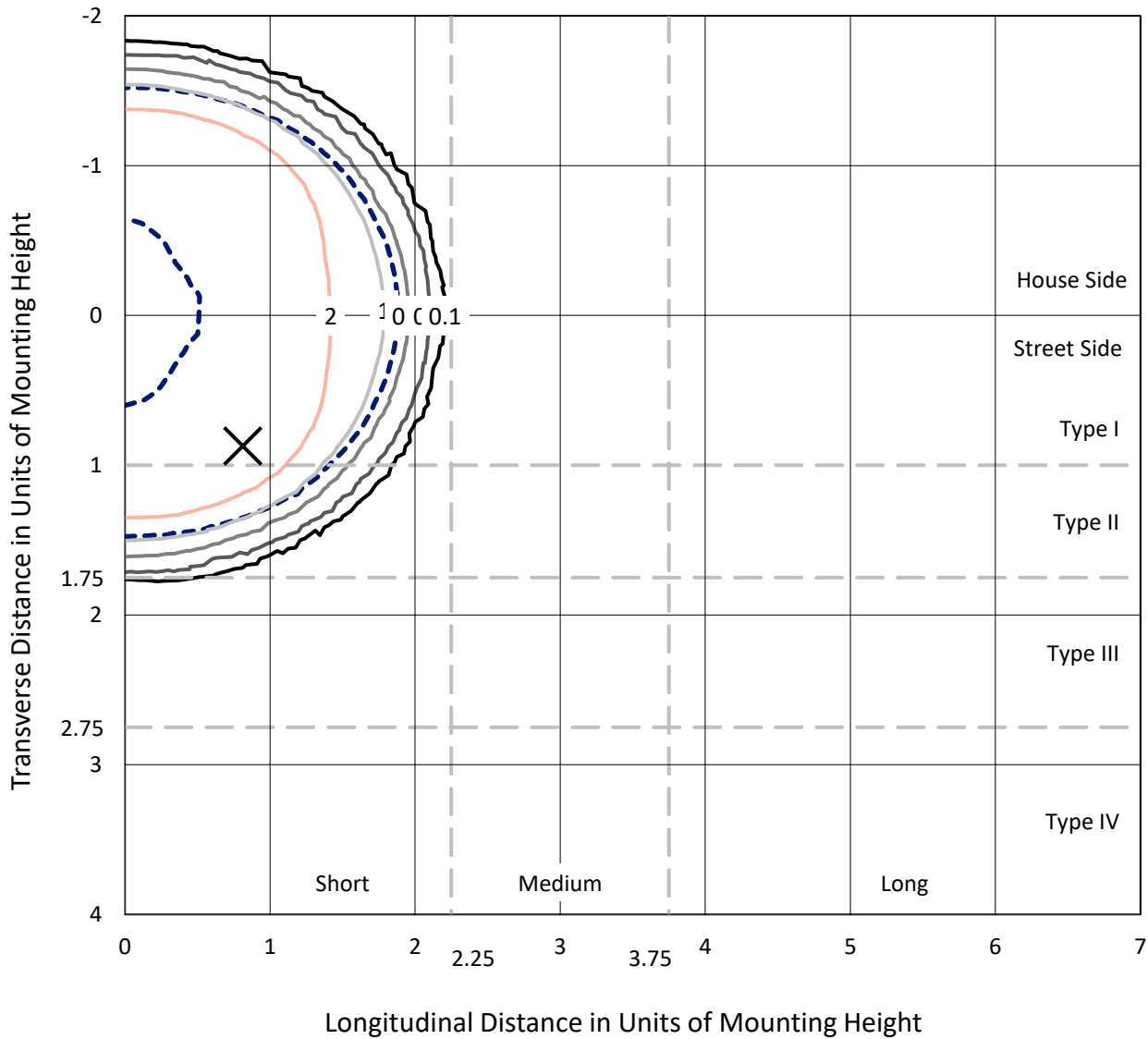
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642151
 CATALOG NUMBER: GWS-SA6C-735-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

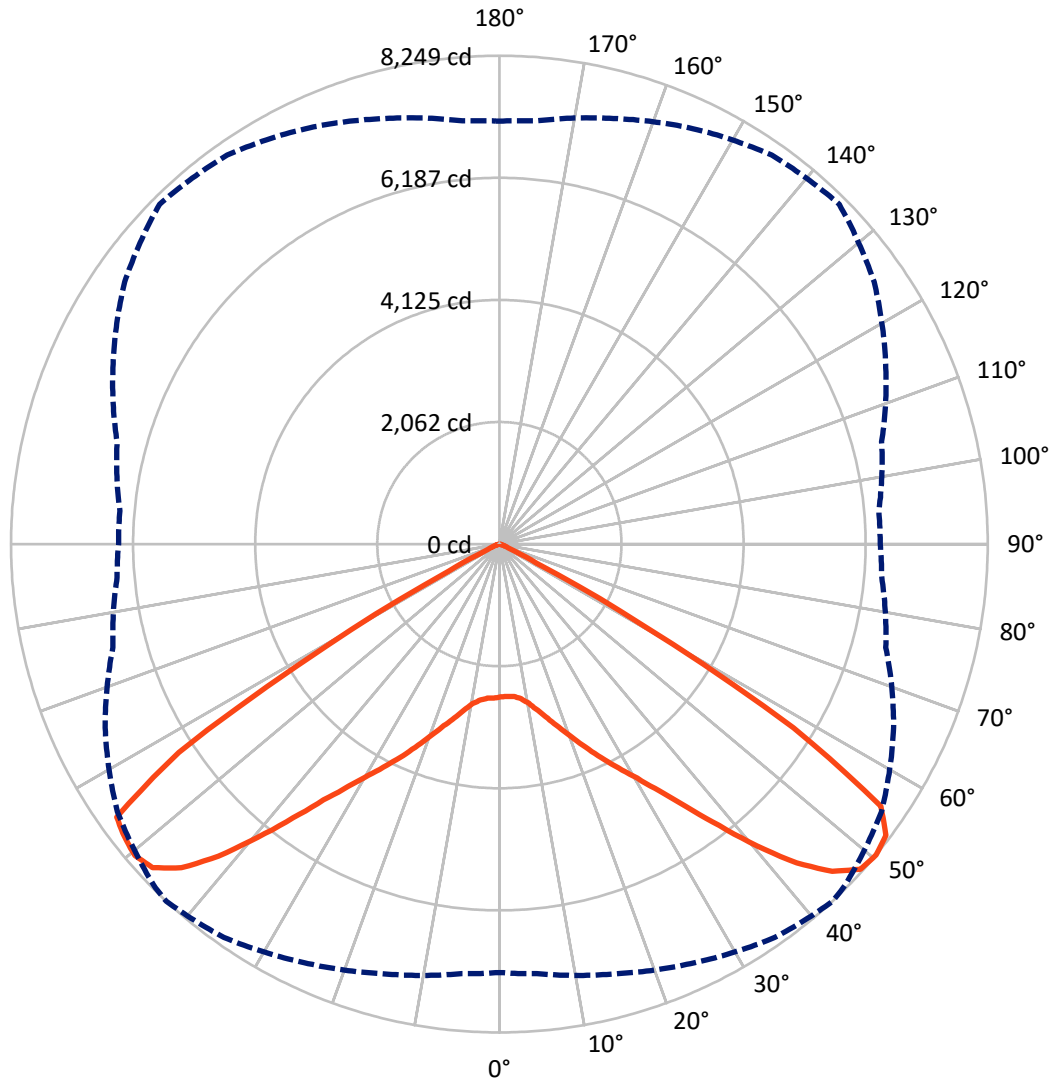
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

REPORT NUMBER: P642151
CATALOG NUMBER: GWS-SA6C-735-U-RW-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P642151
 CATALOG NUMBER: GWS-SA6C-735-U-RW-W-GRSBK

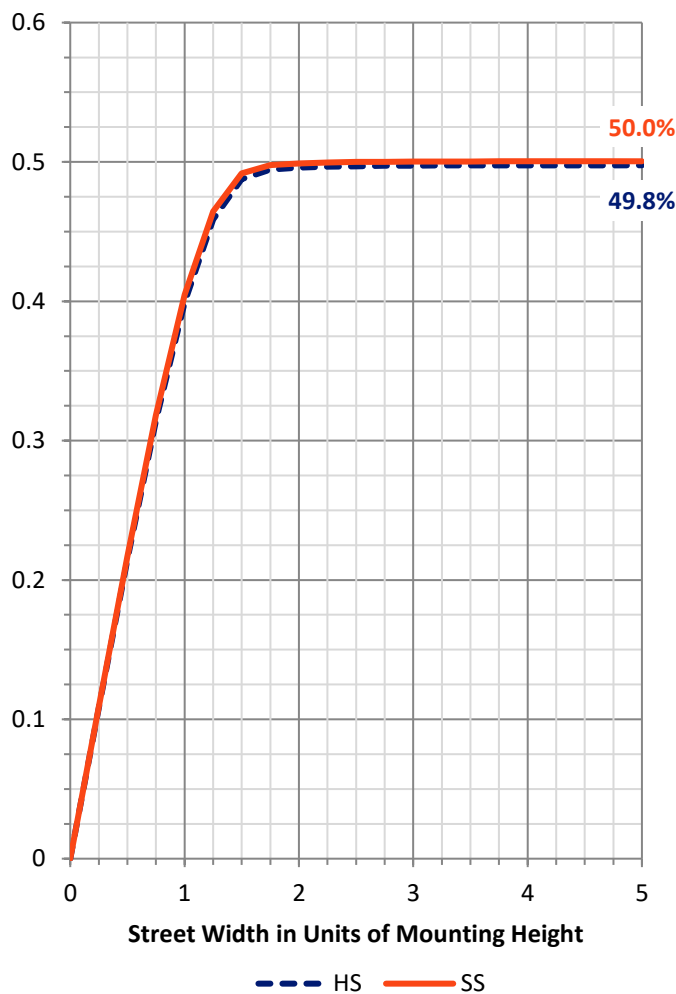
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9075.3	0.0	9075.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9075.8	0.0	9075.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	18151.1	0.0	18151.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.2	1.4
10°-20°	874.9	4.8
20°-30°	1770.1	9.8
30°-40°	3284.1	18.1
40°-50°	5451.5	30.0
50°-60°	5563.4	30.7
60°-70°	912.3	5.0
70°-80°	39.9	0.2
80°-90°	0.6	0.0
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°	18151.1	100.0
0°-180°	18151.1	100.0

Coefficient of Utilization

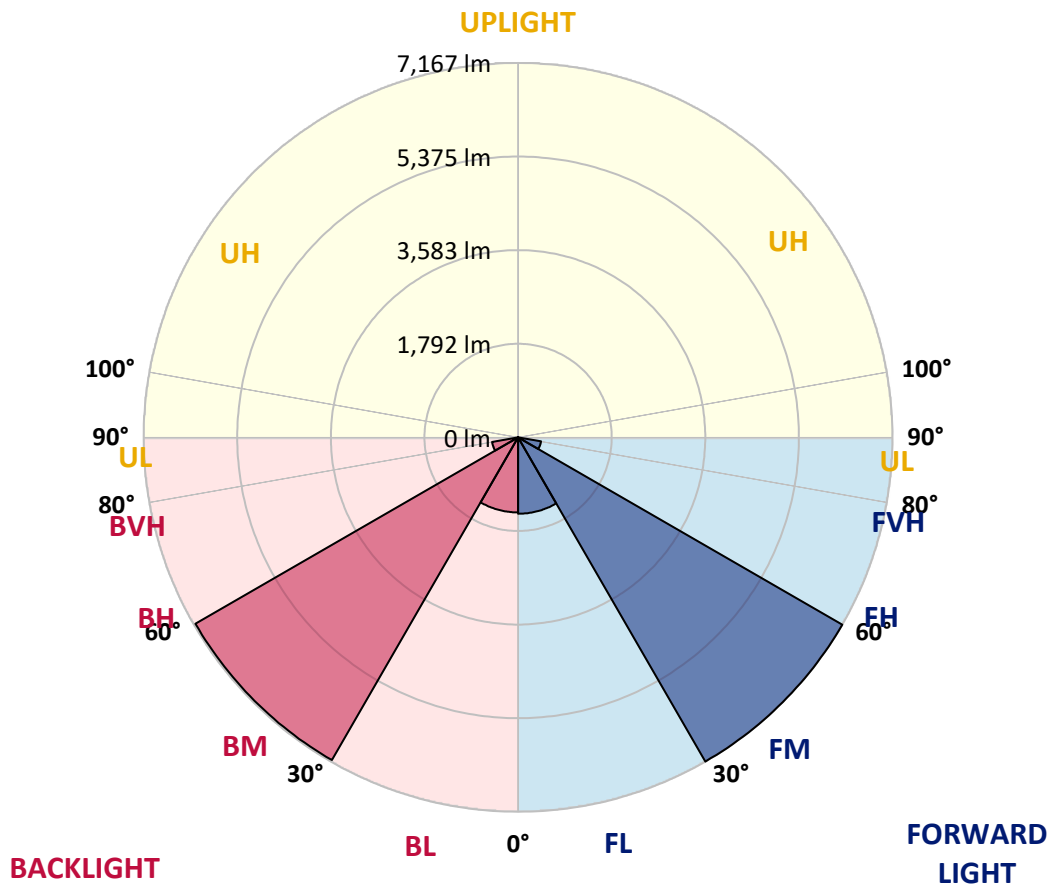


REPORT NUMBER: P642151
 CATALOG NUMBER: GWS-SA6C-735-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1462.3	8.1			
FM (30°-60°)	7166.9	39.5			
FH (60°-80°)	446.3	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1436.9	7.9	B3/2500		
BM (30°-60°)	7132.1	39.3	B4/8500		
BH (60°-80°)	506.0	2.8	B2/1000		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





REPORT NUMBER: P642151

CATALOG NUMBER: GWS-SA6C-735-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2581.7	2581.7	2581.7	2581.7	2581.7	2581.7	2581.7	2581.7	2581.7	2581.7	2581.7
2.5°	2533.5	2539.5	2547.6	2555.6	2565.6	2575.7	2581.7	2599.8	2595.8	2611.8	2611.8
5°	2505.4	2511.4	2521.5	2539.5	2561.6	2583.7	2599.8	2635.9	2656.0	2688.1	2700.2
7.5°	2519.5	2527.5	2539.5	2567.7	2601.8	2635.9	2654.0	2712.2	2752.3	2812.6	2846.7
10°	2565.6	2573.7	2593.8	2641.9	2686.1	2734.3	2756.4	2830.6	2894.9	2977.2	3025.4
12.5°	2617.8	2627.9	2668.0	2740.3	2816.6	2880.8	2910.9	2993.3	3059.5	3151.9	3228.1
15°	2672.0	2688.1	2750.3	2856.7	2965.1	3051.5	3083.6	3171.9	3238.2	3336.5	3422.9
17.5°	2798.5	2816.6	2886.9	3001.3	3149.8	3250.2	3278.3	3370.7	3420.9	3487.1	3577.5
20°	2957.1	2991.2	3077.6	3216.1	3378.7	3475.1	3495.1	3585.5	3581.5	3609.6	3687.9
22.5°	3153.9	3177.9	3272.3	3436.9	3619.6	3726.0	3772.2	3810.3	3760.1	3736.0	3786.2
25°	3358.6	3386.7	3489.1	3669.8	3874.6	3997.0	4035.2	4065.3	3985.0	3894.6	3900.7
27.5°	3623.6	3643.7	3744.1	3936.8	4141.6	4280.1	4314.2	4366.4	4260.0	4115.5	4075.3
30°	3938.8	3958.9	4065.3	4268.0	4470.8	4589.3	4641.5	4705.7	4589.3	4408.6	4362.4
32.5°	4308.2	4328.3	4464.8	4673.6	4840.2	4968.7	5018.9	5087.1	4994.8	4792.0	4739.8
35°	4749.9	4761.9	4922.5	5149.4	5326.0	5450.5	5484.6	5564.9	5462.5	5259.8	5231.7
37.5°	5261.8	5275.8	5450.5	5713.5	5894.2	6032.7	6086.9	6109.0	5984.5	5757.6	5735.6
40°	5823.9	5870.1	6040.7	6323.8	6526.5	6701.2	6749.4	6675.1	6500.4	6191.3	6151.1
42.5°	6410.1	6450.3	6641.0	6948.1	7183.0	7361.7	7363.7	7203.1	6906.0	6478.4	6418.1
45°	6897.9	6914.0	7160.9	7470.1	7759.2	7885.6	7897.7	7606.6	7158.9	6645.0	6516.5
47.5°	7233.2	7259.3	7474.1	7771.2	8090.4	8204.8	8180.8	7817.4	7279.4	6753.4	6540.6
50°	7237.2	7281.4	7514.3	7801.3	8110.5	8249.0	8214.9	7877.6	7347.6	6757.4	6482.4
52.5°	6596.8	6669.1	7048.5	7464.1	7937.8	8174.7	8182.8	7955.9	7321.5	6693.2	6430.2
55°	4976.7	5055.0	5532.8	6241.5	7156.9	7817.4	7931.8	7863.6	7291.4	6721.3	6522.5
57.5°	2633.9	2573.7	2838.7	3541.3	4691.6	5860.0	6195.3	6741.3	6956.2	6755.4	6693.2
60°	574.2	612.3	815.1	1098.1	1830.9	2756.4	3083.6	4019.1	5131.3	5625.1	5982.5
62.5°	246.9	242.9	253.0	287.1	419.6	698.6	853.2	1393.2	2198.3	3019.4	3575.4
65°	202.8	204.8	212.8	212.8	198.7	200.8	210.8	319.2	513.9	720.7	967.6
67.5°	152.6	154.6	168.6	172.6	162.6	144.5	142.5	120.5	126.5	158.6	164.6
70°	96.4	96.4	104.4	108.4	108.4	100.4	98.4	86.3	84.3	96.4	108.4
72.5°	52.2	52.2	56.2	58.2	56.2	54.2	54.2	52.2	50.2	58.2	74.3
75°	22.1	22.1	24.1	24.1	22.1	22.1	22.1	22.1	22.1	26.1	40.2
77.5°	4.0	6.0	8.0	6.0	4.0	4.0	4.0	6.0	6.0	8.0	12.0
80°	2.0	2.0	4.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P642151
 CATALOG NUMBER: GWS-SA6C-735-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2581.7	2581.7	2581.7	2581.7	2581.7	2581.7	2581.7	2581.7	2581.7	2581.7	2581.7
2.5°	2625.9	2603.8	2611.8	2615.8	2609.8	2605.8	2583.7	2577.7	2567.7	2551.6	2547.6
5°	2714.2	2696.1	2694.1	2682.1	2654.0	2619.9	2577.7	2559.6	2539.5	2519.5	2515.5
7.5°	2862.8	2840.7	2826.6	2786.5	2722.2	2668.0	2597.8	2559.6	2533.5	2507.4	2501.4
10°	3053.5	3027.4	2987.2	2913.0	2826.6	2748.3	2666.0	2615.8	2575.7	2539.5	2537.5
12.5°	3256.2	3228.1	3155.9	3061.5	2957.1	2884.8	2780.5	2710.2	2650.0	2595.8	2589.7
15°	3469.0	3434.9	3336.5	3224.1	3127.8	3053.5	2939.1	2826.6	2734.3	2656.0	2648.0
17.5°	3631.7	3589.5	3473.1	3388.7	3310.4	3234.2	3105.7	2957.1	2834.7	2740.3	2718.2
20°	3734.0	3693.9	3583.5	3537.3	3501.2	3447.0	3294.4	3139.8	3003.3	2886.9	2866.8
22.5°	3832.4	3784.2	3687.9	3687.9	3716.0	3693.9	3529.3	3352.6	3192.0	3057.5	3027.4
25°	3942.8	3904.7	3836.4	3892.6	3962.9	3960.9	3792.3	3571.4	3386.7	3236.2	3206.1
27.5°	4103.4	4065.3	4041.2	4147.6	4235.9	4229.9	4045.2	3806.3	3611.6	3463.0	3434.9
30°	4386.5	4350.4	4324.3	4452.7	4565.2	4523.0	4320.2	4089.4	3892.6	3724.0	3703.9
32.5°	4763.9	4725.8	4691.6	4820.1	4920.5	4866.3	4673.6	4456.8	4229.9	4065.3	4025.1
35°	5259.8	5179.5	5145.3	5297.9	5340.1	5279.9	5095.2	4904.4	4663.5	4474.8	4448.7
37.5°	5771.7	5677.3	5653.3	5785.8	5854.0	5831.9	5615.1	5416.4	5155.4	4946.6	4916.5
40°	6209.3	6123.0	6080.9	6287.6	6442.2	6456.3	6261.5	6018.6	5711.5	5494.7	5440.5
42.5°	6466.3	6392.0	6382.0	6703.2	6956.2	7136.8	6904.0	6653.0	6329.8	6084.9	6040.7
45°	6524.5	6476.4	6560.7	6982.3	7375.7	7705.0	7506.2	7241.2	6891.9	6632.9	6590.8
47.5°	6518.5	6502.4	6653.0	7126.8	7624.7	8030.2	7931.8	7632.7	7295.4	7024.4	6984.3
50°	6432.2	6434.2	6685.1	7199.1	7725.0	8118.5	8020.2	7743.1	7442.0	7175.0	7142.9
52.5°	6398.1	6386.0	6624.9	7177.0	7827.4	8078.4	7857.5	7546.4	7211.1	6881.9	6833.7
55°	6518.5	6488.4	6632.9	7158.9	7839.5	8056.3	7474.1	6799.6	6113.0	5723.5	5691.4
57.5°	6699.2	6667.1	6735.3	7026.4	7211.1	6699.2	5500.7	4412.6	3705.9	3406.8	3276.3
60°	5982.5	5960.4	5908.2	5556.9	4765.9	3595.5	2449.2	1561.9	1122.2	907.4	907.4
62.5°	3712.0	3681.8	3398.8	2525.5	1834.9	1062.0	584.2	365.4	277.0	259.0	257.0
65°	1041.9	1035.9	857.2	606.3	385.4	238.9	210.8	214.8	210.8	204.8	202.8
67.5°	156.6	172.6	172.6	140.5	134.5	150.6	176.7	188.7	178.7	168.6	164.6
70°	100.4	108.4	104.4	90.3	96.4	112.4	126.5	128.5	122.5	112.4	110.4
72.5°	70.3	78.3	64.2	58.2	60.2	66.2	72.3	72.3	70.3	66.2	62.2
75°	42.2	42.2	30.1	28.1	28.1	30.1	30.1	34.1	34.1	32.1	30.1
77.5°	14.1	16.1	10.0	8.0	8.0	8.0	10.0	12.0	12.0	10.0	8.0
80°	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	2.0
82.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)