

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: P642591

Luminaire Tested: GWS-SA6D-730-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642591
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-SA6D-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21141.6 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

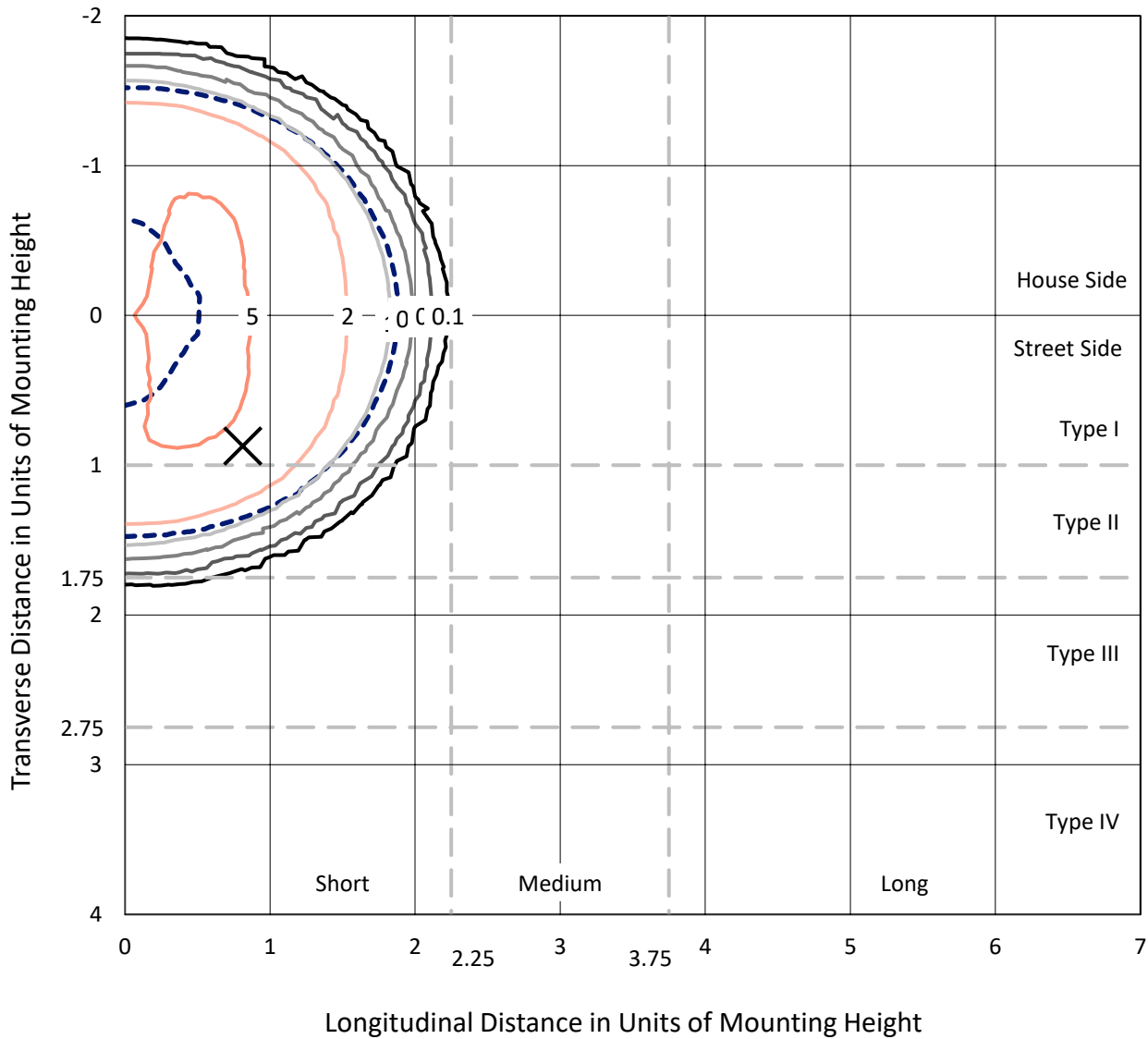
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

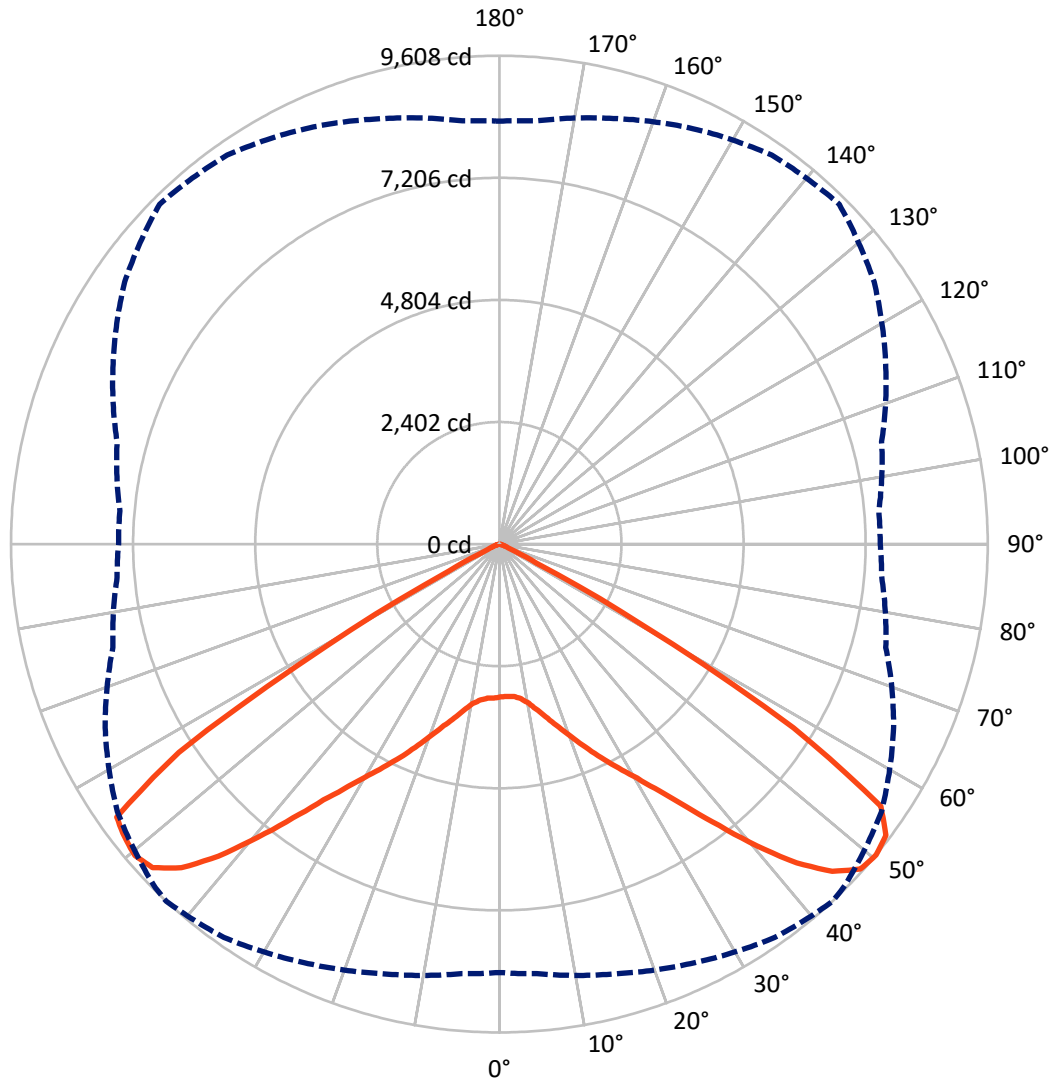
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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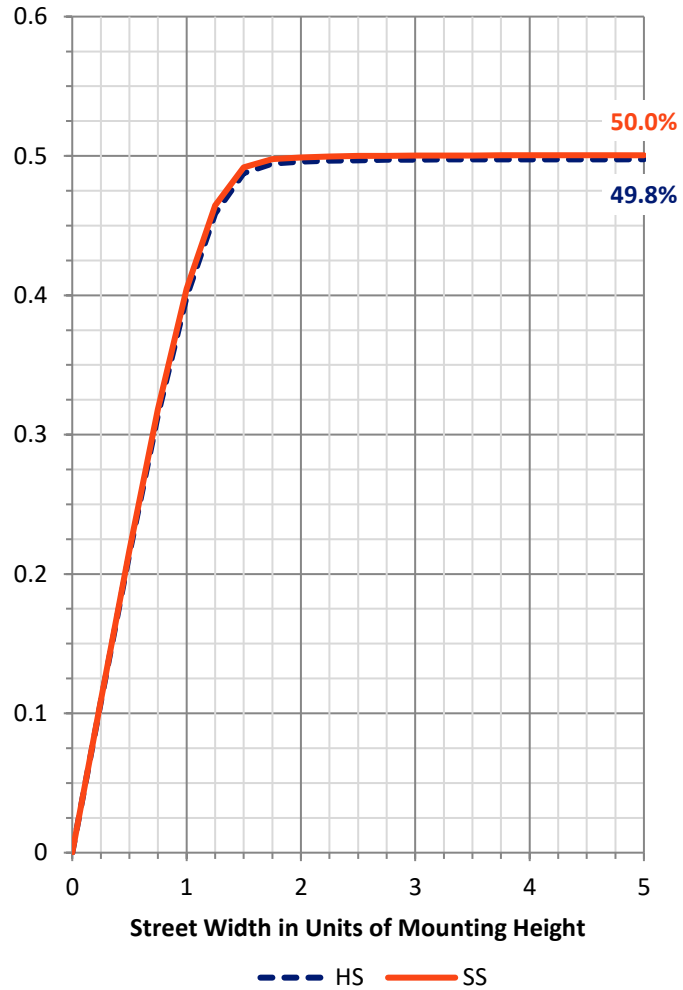
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10570.5	0.0	10570.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10571.1	0.0	10571.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	21141.6	0.0	21141.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.1	1.4
10°-20°	1019.1	4.8
20°-30°	2061.7	9.8
30°-40°	3825.2	18.1
40°-50°	6349.6	30.0
50°-60°	6480.0	30.7
60°-70°	1062.7	5.0
70°-80°	46.5	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°	21141.6	100.0
0°-180°	21141.6	100.0

Coefficient of Utilization



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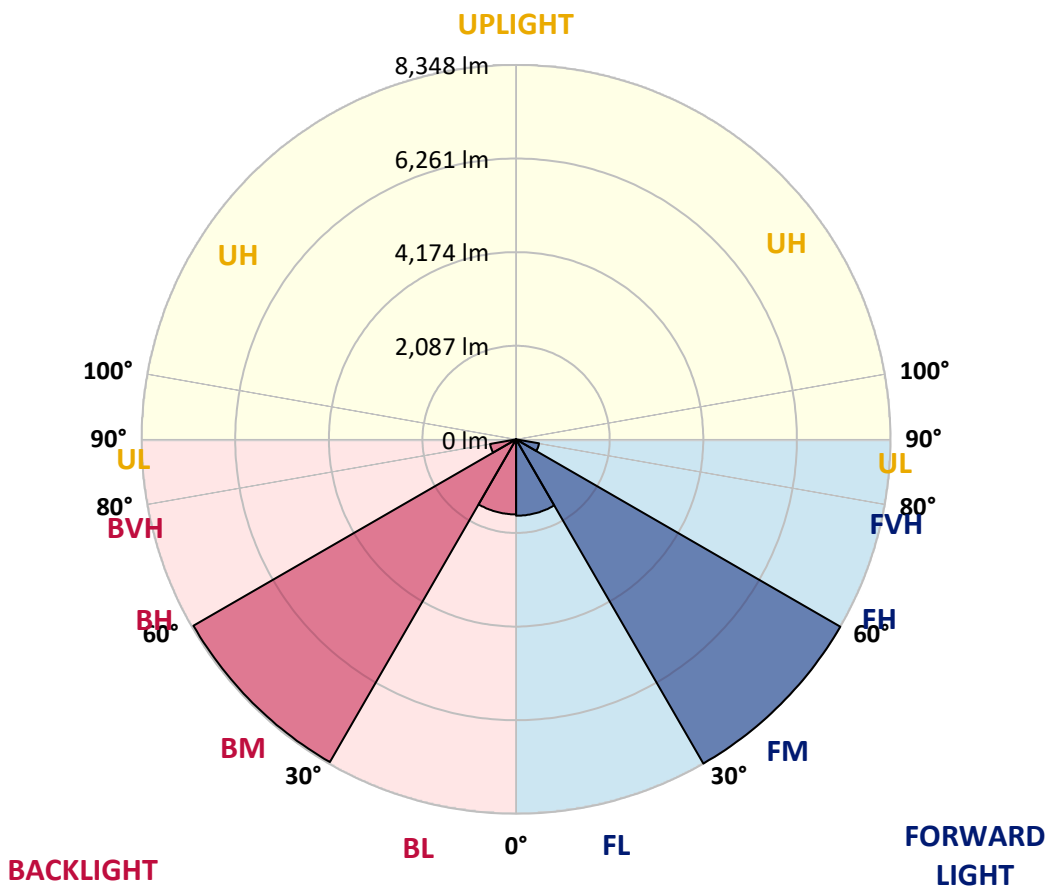
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1703.3	8.1			
FM (30°-60°)	8347.7	39.5			
FH (60°-80°)	519.9	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1673.6	7.9	B3/2500		
BM (30°-60°)	8307.2	39.3	B4/8500		
BH (60°-80°)	589.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	3007.1	3007.1	3007.1	3007.1	3007.1	3007.1	3007.1	3007.1	3007.1	3007.1	3007.1
2.5°	2950.9	2958.0	2967.3	2976.7	2988.4	3000.0	3007.1	3028.1	3023.4	3042.1	3042.1
5°	2918.2	2925.2	2936.9	2958.0	2983.7	3009.4	3028.1	3070.2	3093.6	3131.0	3145.0
7.5°	2934.6	2943.9	2958.0	2990.7	3030.4	3070.2	3091.2	3159.0	3205.8	3276.0	3315.7
10°	2988.4	2997.7	3021.1	3077.2	3128.6	3184.8	3210.5	3297.0	3371.8	3467.7	3523.8
12.5°	3049.1	3060.8	3107.6	3191.8	3280.6	3355.5	3390.5	3486.4	3563.6	3671.1	3760.0
15°	3112.3	3131.0	3203.5	3327.4	3453.7	3554.2	3591.6	3694.5	3771.7	3886.3	3986.8
17.5°	3259.6	3280.6	3362.5	3495.8	3668.8	3785.7	3818.4	3926.0	3984.5	4061.6	4166.9
20°	3444.3	3484.1	3584.6	3746.0	3935.4	4047.6	4071.0	4176.2	4171.5	4204.3	4295.5
22.5°	3673.5	3701.5	3811.4	4003.2	4216.0	4339.9	4393.7	4438.1	4379.6	4351.6	4410.0
25°	3912.0	3944.7	4064.0	4274.4	4512.9	4655.6	4700.0	4735.1	4641.5	4536.3	4543.3
27.5°	4220.6	4244.0	4360.9	4585.4	4823.9	4985.3	5025.0	5085.8	4961.9	4793.5	4746.8
30°	4587.8	4611.1	4735.1	4971.2	5207.4	5345.4	5406.2	5481.0	5345.4	5134.9	5081.1
32.5°	5018.0	5041.4	5200.4	5443.6	5637.6	5787.3	5845.8	5925.3	5817.7	5581.5	5520.7
35°	5532.4	5546.5	5733.5	5997.7	6203.5	6348.5	6388.2	6481.8	6362.5	6126.4	6093.6
37.5°	6128.7	6145.1	6348.5	6654.8	6865.3	7026.6	7089.7	7115.5	6970.5	6706.3	6680.5
40°	6783.4	6837.2	7036.0	7365.7	7601.8	7805.3	7861.4	7774.9	7571.4	7211.3	7164.6
42.5°	7466.2	7513.0	7735.1	8092.9	8366.4	8574.6	8576.9	8389.8	8043.8	7545.7	7475.6
45°	8034.4	8053.1	8340.7	8700.8	9037.5	9184.9	9198.9	8859.8	8338.4	7739.8	7590.1
47.5°	8424.9	8455.3	8705.5	9051.6	9423.4	9556.6	9528.6	9105.4	8478.7	7866.1	7618.2
50°	8429.6	8481.0	8752.3	9086.6	9446.7	9608.1	9568.3	9175.5	8558.2	7870.7	7550.4
52.5°	7683.7	7767.8	8209.8	8693.8	9245.7	9521.6	9530.9	9266.7	8527.8	7795.9	7489.6
55°	5796.7	5887.8	6444.4	7269.8	8336.1	9105.4	9238.6	9159.1	8492.7	7828.6	7597.1
57.5°	3067.9	2997.7	3306.4	4124.8	5464.6	6825.5	7216.0	7852.0	8102.2	7868.4	7795.9
60°	668.8	713.2	949.4	1279.1	2132.5	3210.5	3591.6	4681.3	5976.7	6551.9	6968.1
62.5°	287.6	282.9	294.6	334.4	488.7	813.7	993.8	1622.8	2560.4	3516.8	4164.5
65°	236.2	238.5	247.9	247.9	231.5	233.8	245.5	371.8	598.6	839.5	1127.1
67.5°	177.7	180.0	196.4	201.1	189.4	168.4	166.0	140.3	147.3	184.7	191.7
70°	112.2	112.2	121.6	126.3	126.3	116.9	114.6	100.5	98.2	112.2	126.3
72.5°	60.8	60.8	65.5	67.8	65.5	63.1	63.1	60.8	58.5	67.8	86.5
75°	25.7	25.7	28.1	28.1	25.7	25.7	25.7	25.7	25.7	30.4	46.8
77.5°	4.7	7.0	9.4	7.0	4.7	4.7	4.7	7.0	7.0	9.4	14.0
80°	2.3	2.3	4.7	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3007.1	3007.1	3007.1	3007.1	3007.1	3007.1	3007.1	3007.1	3007.1	3007.1	3007.1
2.5°	3058.5	3032.8	3042.1	3046.8	3039.8	3035.1	3009.4	3002.4	2990.7	2972.0	2967.3
5°	3161.4	3140.3	3138.0	3124.0	3091.2	3051.5	3002.4	2981.3	2958.0	2934.6	2929.9
7.5°	3334.4	3308.7	3292.3	3245.6	3170.7	3107.6	3025.8	2981.3	2950.9	2920.5	2913.5
10°	3556.6	3526.2	3479.4	3392.9	3292.3	3201.1	3105.3	3046.8	3000.0	2958.0	2955.6
12.5°	3792.7	3760.0	3675.8	3565.9	3444.3	3360.1	3238.6	3156.7	3086.6	3023.4	3016.4
15°	4040.6	4000.8	3886.3	3755.3	3643.1	3556.6	3423.3	3292.3	3184.8	3093.6	3084.2
17.5°	4230.0	4180.9	4045.3	3947.1	3855.9	3767.0	3617.4	3444.3	3301.7	3191.8	3166.1
20°	4349.2	4302.5	4173.9	4120.1	4078.0	4014.9	3837.2	3657.1	3498.1	3362.5	3339.1
22.5°	4463.8	4407.7	4295.5	4295.5	4328.2	4302.5	4110.7	3905.0	3717.9	3561.2	3526.2
25°	4592.4	4548.0	4468.5	4534.0	4615.8	4613.5	4417.1	4159.8	3944.7	3769.3	3734.3
27.5°	4779.5	4735.1	4707.0	4830.9	4933.8	4926.8	4711.7	4433.4	4206.6	4033.6	4000.8
30°	5109.2	5067.1	5036.7	5186.4	5317.3	5268.2	5032.0	4763.1	4534.0	4337.6	4314.2
32.5°	5548.8	5504.4	5464.6	5614.3	5731.2	5668.0	5443.6	5191.0	4926.8	4735.1	4688.3
35°	6126.4	6032.8	5993.1	6170.8	6219.9	6149.7	5934.6	5712.5	5431.9	5212.1	5181.7
37.5°	6722.6	6612.7	6584.7	6739.0	6818.5	6792.8	6540.2	6308.7	6004.8	5761.6	5726.5
40°	7232.4	7131.8	7082.7	7323.6	7503.6	7520.0	7293.2	7010.2	6652.5	6399.9	6336.8
42.5°	7531.7	7445.2	7433.5	7807.6	8102.2	8312.7	8041.4	7749.1	7372.7	7087.4	7036.0
45°	7599.5	7543.4	7641.6	8132.6	8590.9	8974.4	8742.9	8434.3	8027.4	7725.8	7676.7
47.5°	7592.5	7573.8	7749.1	8301.0	8880.9	9353.2	9238.6	8890.2	8497.4	8181.7	8135.0
50°	7491.9	7494.3	7786.6	8385.2	8997.8	9456.1	9341.5	9018.8	8668.1	8357.1	8319.7
52.5°	7452.2	7438.1	7716.4	8359.4	9117.0	9409.3	9152.1	8789.7	8399.2	8015.7	7959.6
55°	7592.5	7557.4	7725.8	8338.4	9131.1	9383.6	8705.5	7919.8	7120.1	6666.5	6629.1
57.5°	7802.9	7765.5	7845.0	8184.1	8399.2	7802.9	6407.0	5139.6	4316.5	3968.1	3816.1
60°	6968.1	6942.4	6881.6	6472.4	5551.1	4187.9	2852.7	1819.2	1307.1	1056.9	1056.9
62.5°	4323.5	4288.4	3958.7	2941.6	2137.2	1237.0	680.4	425.6	322.7	301.6	299.3
65°	1213.6	1206.6	998.5	706.2	449.0	278.3	245.5	250.2	245.5	238.5	236.2
67.5°	182.4	201.1	201.1	163.7	156.7	175.4	205.8	219.8	208.1	196.4	191.7
70°	116.9	126.3	121.6	105.2	112.2	130.9	147.3	149.7	142.6	130.9	128.6
72.5°	81.8	91.2	74.8	67.8	70.1	77.2	84.2	84.2	81.8	77.2	72.5
75°	49.1	49.1	35.1	32.7	32.7	35.1	35.1	39.8	39.8	37.4	35.1
77.5°	16.4	18.7	11.7	9.4	9.4	9.4	11.7	14.0	14.0	11.7	9.4
80°	2.3	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	2.3
82.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
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)