

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: P643494

Luminaire Tested: GWS-SA6F-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-722-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30564.6 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

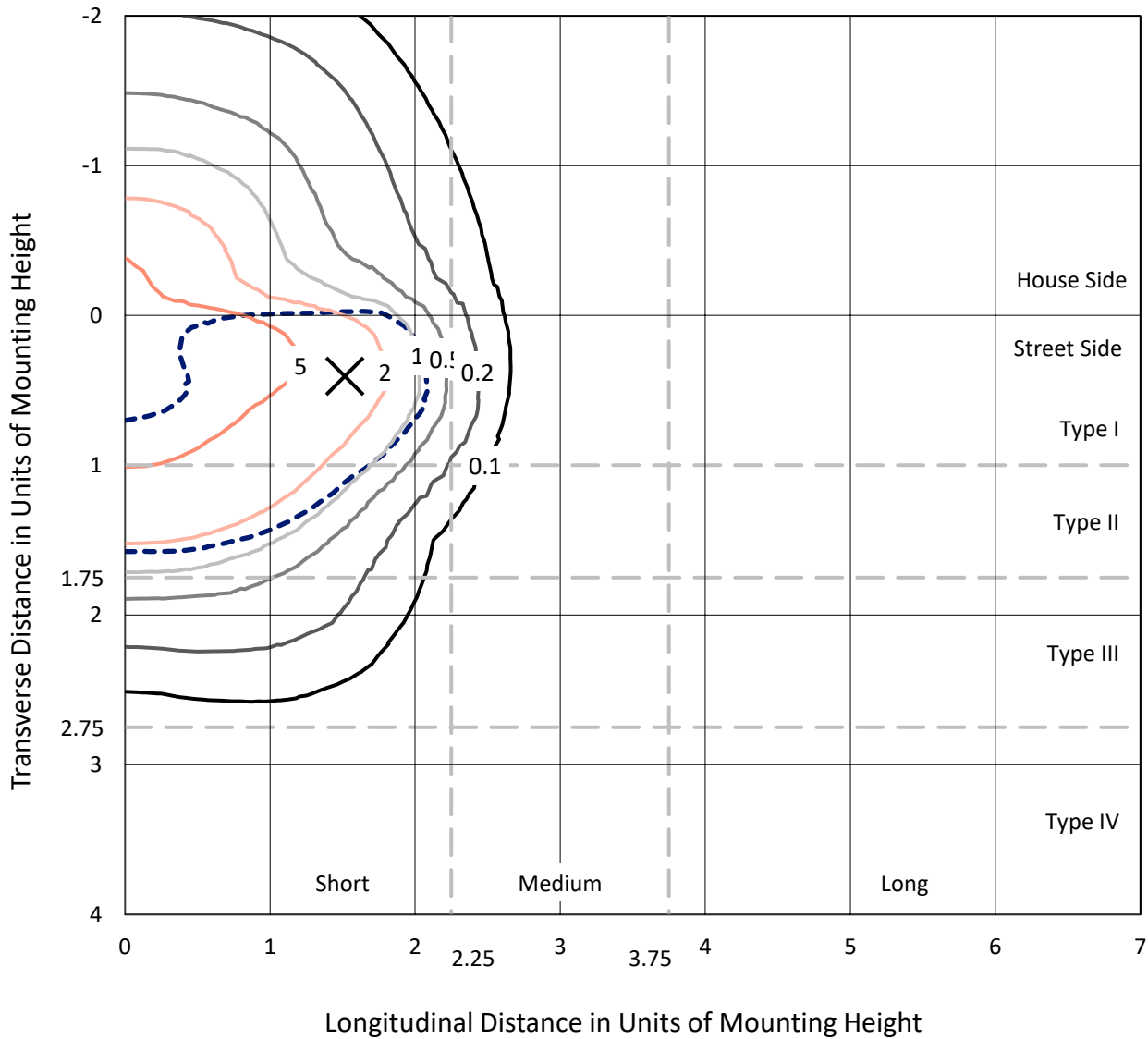
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

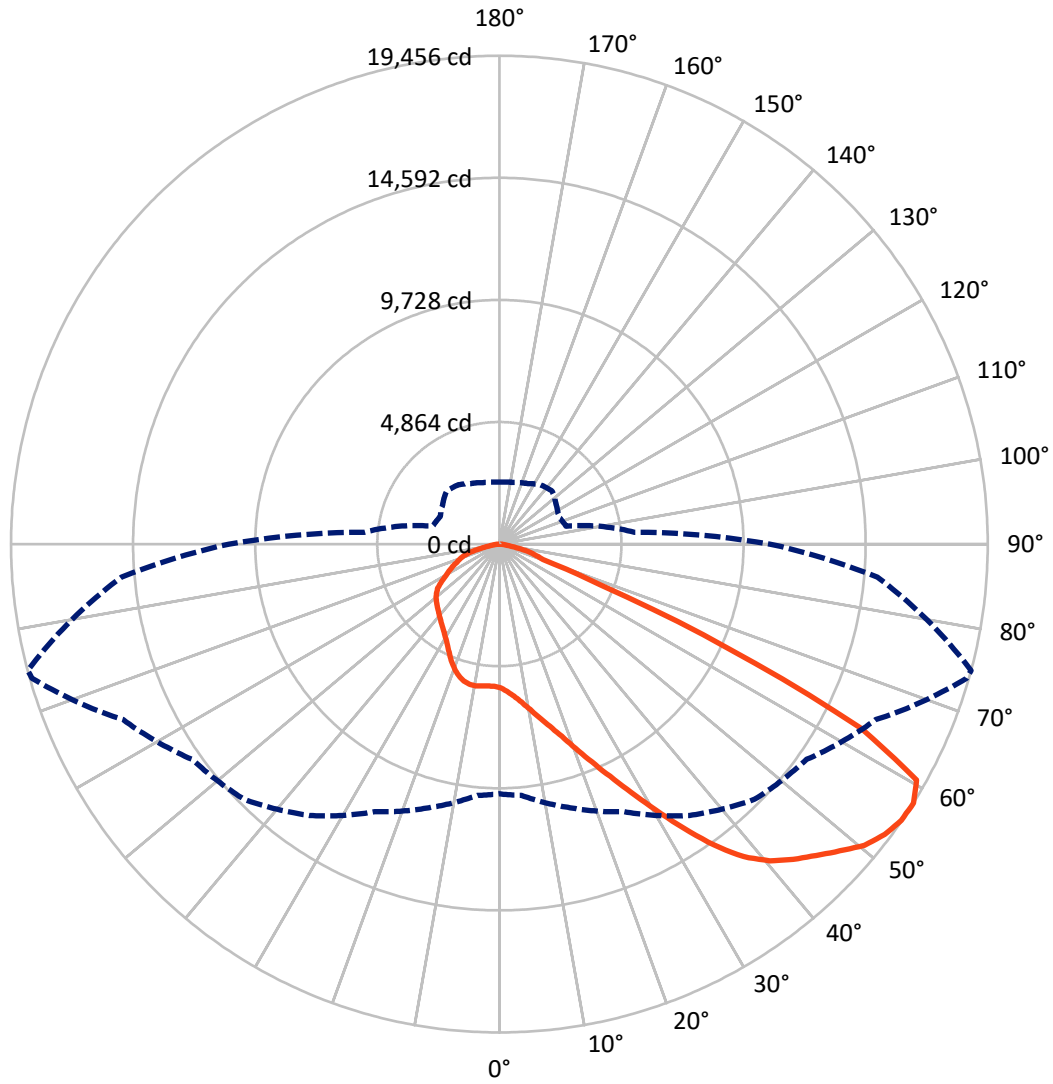
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8268.3	0.0	8268.3
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	22296.3	0.0	22296.3
	% Fixture	72.9	0.0	72.9
Total	Lumens	30564.6	0.0	30564.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.8	1.9
10°-20°	1823.7	6.0
20°-30°	3234.2	10.6
30°-40°	4951.1	16.2
40°-50°	6893.9	22.6
50°-60°	7899.1	25.8
60°-70°	4058.7	13.3
70°-80°	1021.8	3.3
80°-90°	109.2	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°	30564.6	100.0
0°-180°	30564.6	100.0

Coefficient of Utilization



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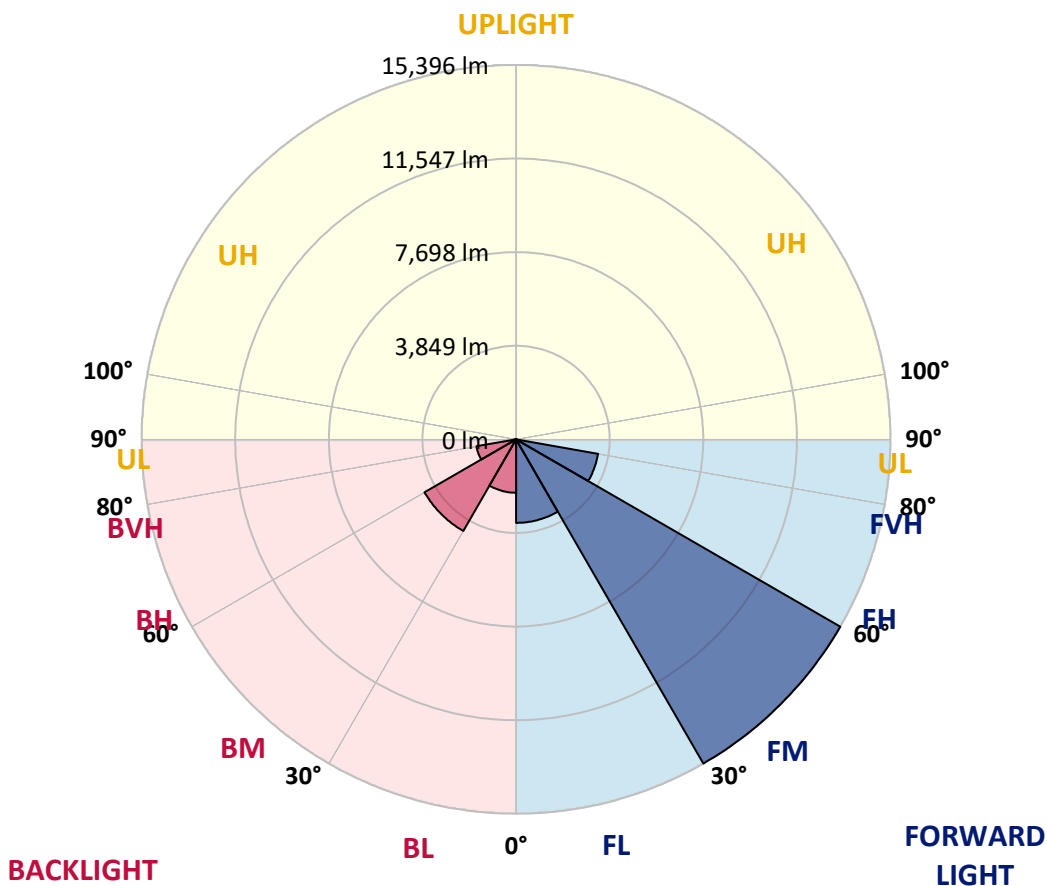
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3434.1	11.2			
FM (30°-60°)	15395.7	50.4			
FH (60°-80°)	3426.0	11.2			G2/5000
FVH (80°-90°)	40.4	0.1			G1/100
BL (0°-30°)	2196.6	7.2	B3/2500		
BM (30°-60°)	4348.4	14.2	B3/5000		
BH (60°-80°)	1654.5	5.4	B3/2500		G3/2500
BVH (80°-90°)	68.8	0.2			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°	55°	65°	74°	75°	85°
0°	5724.0	5724.0	5724.0	5724.0	5724.0	5724.0	5724.0	5724.0	5724.0	5724.0	5724.0
2.5°	6149.8	6165.5	6149.8	6176.1	6123.5	6099.8	6042.0	5955.3	5887.0	5876.4	5800.2
5°	6628.1	6662.2	6641.2	6630.7	6559.8	6507.2	6420.5	6247.0	6105.1	6084.1	5934.3
7.5°	6935.6	6959.2	6959.2	6967.1	6940.8	6880.4	6788.4	6583.4	6383.7	6352.1	6126.1
10°	7038.1	7056.5	7090.6	7156.3	7208.9	7227.3	7166.8	6969.7	6725.3	6693.8	6378.4
12.5°	7061.7	7082.7	7135.3	7256.2	7400.7	7532.2	7542.7	7398.1	7124.8	7090.6	6670.1
15°	7106.4	7127.4	7198.4	7348.2	7561.1	7813.4	7968.4	7868.6	7566.3	7529.5	7001.3
17.5°	7101.1	7124.8	7229.9	7429.7	7716.1	8081.4	8381.0	8423.1	8110.3	8047.3	7377.1
20°	7088.0	7109.0	7222.0	7466.5	7821.2	8323.2	8864.6	9082.7	8746.3	8688.5	7816.0
22.5°	7193.1	7216.8	7303.5	7505.9	7876.4	8509.8	9311.4	9837.0	9500.6	9419.1	8320.6
25°	7429.7	7463.8	7516.4	7655.7	7976.3	8675.4	9768.7	10691.1	10346.9	10249.6	8869.9
27.5°	7795.0	7837.0	7910.6	7976.3	8199.7	8885.6	10223.3	11647.8	11303.5	11201.0	9450.7
30°	8241.7	8296.9	8391.5	8436.2	8588.7	9195.7	10717.4	12633.3	12433.6	12291.7	10105.1
32.5°	8859.3	8935.6	9024.9	9038.1	9130.0	9666.2	11206.2	13611.0	13608.3	13508.5	10848.8
35°	9663.5	9745.0	9763.4	9781.8	9826.5	10312.7	11797.6	14501.9	14846.2	14730.5	11658.3
37.5°	10541.3	10659.6	10688.5	10607.0	10670.1	11090.6	12462.5	15216.7	15923.7	15800.2	12441.5
40°	11479.6	11526.9	11605.7	11476.9	11555.8	11981.5	13114.3	15674.0	16727.9	16596.5	13059.1
42.5°	12152.4	12239.1	12357.4	12310.1	12354.7	12743.7	13571.5	15894.8	17300.8	17169.4	13503.2
45°	12883.0	12909.3	12985.5	12975.0	13001.2	13363.9	13900.1	15992.0	17813.3	17695.0	13881.7
47.5°	13519.0	13558.4	13608.3	13550.5	13492.7	13729.2	14168.1	16076.1	18404.6	18262.7	14278.5
50°	14131.3	14165.5	14225.9	14057.7	13842.2	13902.7	14299.5	16191.8	18959.2	18859.3	14591.2
52.5°	14244.3	14281.1	14565.0	14599.1	14323.2	14110.3	14530.8	16446.7	19285.0	19222.0	14704.3
55°	12822.5	12888.2	13453.3	14102.4	14783.1	14714.8	14901.4	16580.7	19413.8	19429.6	14906.6
57.5°	9952.6	10047.3	10872.5	11763.4	13195.7	14381.0	14948.7	16546.6	19369.1	19455.9	15114.2
60°	6528.2	6583.4	7561.1	8559.7	10044.6	11684.6	13379.7	15931.6	18972.3	19095.8	15061.7
62.5°	3942.2	4005.2	4791.0	5547.9	6423.1	7519.0	9074.9	12804.1	15902.7	16178.6	12063.0
65°	2751.6	2835.7	3524.3	4147.2	4449.4	4223.4	4596.6	7151.1	9908.0	10023.6	7371.8
67.5°	1994.7	2052.6	2617.6	3358.7	3692.5	2982.9	2273.3	3166.9	4315.4	4357.4	3040.7
70°	1306.2	1371.9	1884.4	2557.1	3014.4	2417.9	1700.4	1713.5	1816.0	1837.0	1766.1
72.5°	717.5	756.9	1164.3	1697.8	1781.9	1445.5	1327.2	1424.4	1495.4	1495.4	1513.8
75°	370.6	404.7	475.7	559.8	675.4	791.1	956.6	1101.2	1177.4	1182.6	1174.8
77.5°	189.2	202.4	254.9	276.0	302.2	352.2	457.3	586.1	654.4	680.7	675.4
80°	89.4	94.6	107.8	126.1	155.1	197.1	247.0	294.3	336.4	341.7	370.6
82.5°	47.3	52.6	57.8	68.3	84.1	105.1	144.5	173.5	199.7	205.0	228.6
85°	18.4	21.0	23.7	26.3	36.8	44.7	60.4	81.5	99.9	99.9	118.3
87.5°	0.0	0.0	0.0	0.0	2.6	5.3	10.5	13.1	18.4	18.4	31.5
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°	5724.0	5724.0	5724.0	5724.0	5724.0	5724.0	5724.0	5724.0	5724.0	5724.0	5724.0
2.5°	5781.8	5705.6	5671.5	5616.3	5571.6	5521.7	5482.2	5453.3	5434.9	5424.4	5413.9
5°	5876.4	5760.8	5668.8	5558.4	5482.2	5408.6	5348.2	5306.1	5285.1	5269.4	5258.8
7.5°	6023.6	5868.6	5695.1	5524.3	5390.2	5272.0	5195.8	5151.1	5122.2	5111.7	5103.8
10°	6226.0	6010.5	5724.0	5453.3	5253.6	5124.8	5072.2	5051.2	5053.8	5048.6	5046.0
12.5°	6454.6	6160.3	5716.1	5327.2	5106.4	5030.2	5032.8	5067.0	5106.4	5116.9	5119.6
15°	6701.7	6307.5	5639.9	5164.2	4990.8	4998.7	5067.0	5148.5	5222.0	5251.0	5256.2
17.5°	6969.7	6431.0	5500.6	4985.5	4896.2	4980.3	5106.4	5240.4	5348.2	5395.5	5408.6
20°	7269.3	6536.1	5303.5	4809.4	4806.8	4946.1	5130.1	5306.1	5442.8	5505.9	5516.4
22.5°	7587.3	6601.8	5061.7	4646.5	4714.8	4901.4	5111.7	5295.6	5440.2	5503.3	5516.4
25°	7908.0	6622.8	4796.3	4496.7	4620.2	4830.5	5022.3	5169.5	5306.1	5361.3	5371.8
27.5°	8207.6	6562.4	4544.0	4367.9	4533.5	4725.3	4854.1	4933.0	5027.6	5069.6	5077.5
30°	8512.4	6441.5	4331.1	4265.4	4436.2	4580.8	4638.6	4643.9	4680.7	4680.7	4685.9
32.5°	8819.9	6262.8	4144.5	4165.5	4315.4	4410.0	4417.8	4357.4	4312.7	4239.1	4236.5
35°	9174.7	6081.4	3992.1	4052.5	4173.4	4231.3	4207.6	4092.0	3984.2	3863.3	3858.1
37.5°	9503.2	5894.8	3863.3	3936.9	4013.1	4055.2	4000.0	3860.7	3771.3	3647.8	3629.4
40°	9773.9	5726.6	3739.8	3816.0	3852.8	3889.6	3800.2	3687.2	3700.4	3632.0	3629.4
42.5°	9931.6	5563.7	3624.2	3682.0	3705.6	3731.9	3653.1	3569.0	3639.9	3587.4	3590.0
45°	10047.3	5421.8	3519.0	3540.1	3597.9	3637.3	3563.7	3469.1	3484.9	3282.5	3235.2
47.5°	10178.7	5342.9	3419.2	3398.1	3500.6	3569.0	3456.0	3319.3	3224.7	3025.0	3006.6
50°	10317.9	5314.0	3314.0	3256.2	3379.7	3445.4	3314.0	3143.2	3019.7	2911.9	2901.4
52.5°	10365.3	5311.4	3182.6	3085.4	3208.9	3300.9	3190.5	3017.1	2869.9	2764.8	2759.5
55°	10551.8	5387.6	3014.4	2851.5	2967.1	3156.4	3074.9	2825.2	2706.9	2659.6	2654.4
57.5°	10770.0	5400.8	2749.0	2596.6	2756.9	2980.3	2877.8	2662.3	2533.5	2475.7	2470.4
60°	10680.6	5077.5	2465.2	2402.1	2578.2	2814.7	2720.1	2533.5	2383.7	2328.5	2323.2
62.5°	8139.2	3584.7	2257.5	2233.9	2386.3	2575.5	2557.1	2362.7	2220.7	2181.3	2176.1
65°	4896.2	2517.7	2057.8	2055.2	2162.9	2344.3	2367.9	2210.2	2060.4	2005.2	2005.2
67.5°	2420.5	1926.4	1831.8	1818.6	1887.0	2015.8	2115.6	1986.8	1860.7	1808.1	1800.3
70°	1710.9	1697.8	1666.2	1629.4	1642.6	1695.1	1737.2	1629.4	1495.4	1442.8	1432.3
72.5°	1479.6	1482.3	1461.2	1432.3	1421.8	1385.0	1348.2	1269.4	1187.9	1132.7	1138.0
75°	1148.5	1153.7	1166.9	1156.4	1127.5	1088.0	1048.6	948.7	883.0	830.5	820.0
77.5°	670.2	696.4	738.5	728.0	733.2	678.1	662.3	565.0	504.6	467.8	459.9
80°	378.4	394.2	412.6	425.8	410.0	386.3	352.2	299.6	281.2	254.9	249.7
82.5°	228.6	244.4	252.3	262.8	257.6	226.0	199.7	165.6	149.8	136.7	134.0
85°	115.6	126.1	134.0	139.3	123.5	102.5	92.0	73.6	63.1	55.2	55.2
87.5°	28.9	31.5	36.8	31.5	28.9	13.1	10.5	2.6	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)