

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: P642504

Luminaire Tested: GWS-SA6D-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642504
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-SA6D-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: 21998.6 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

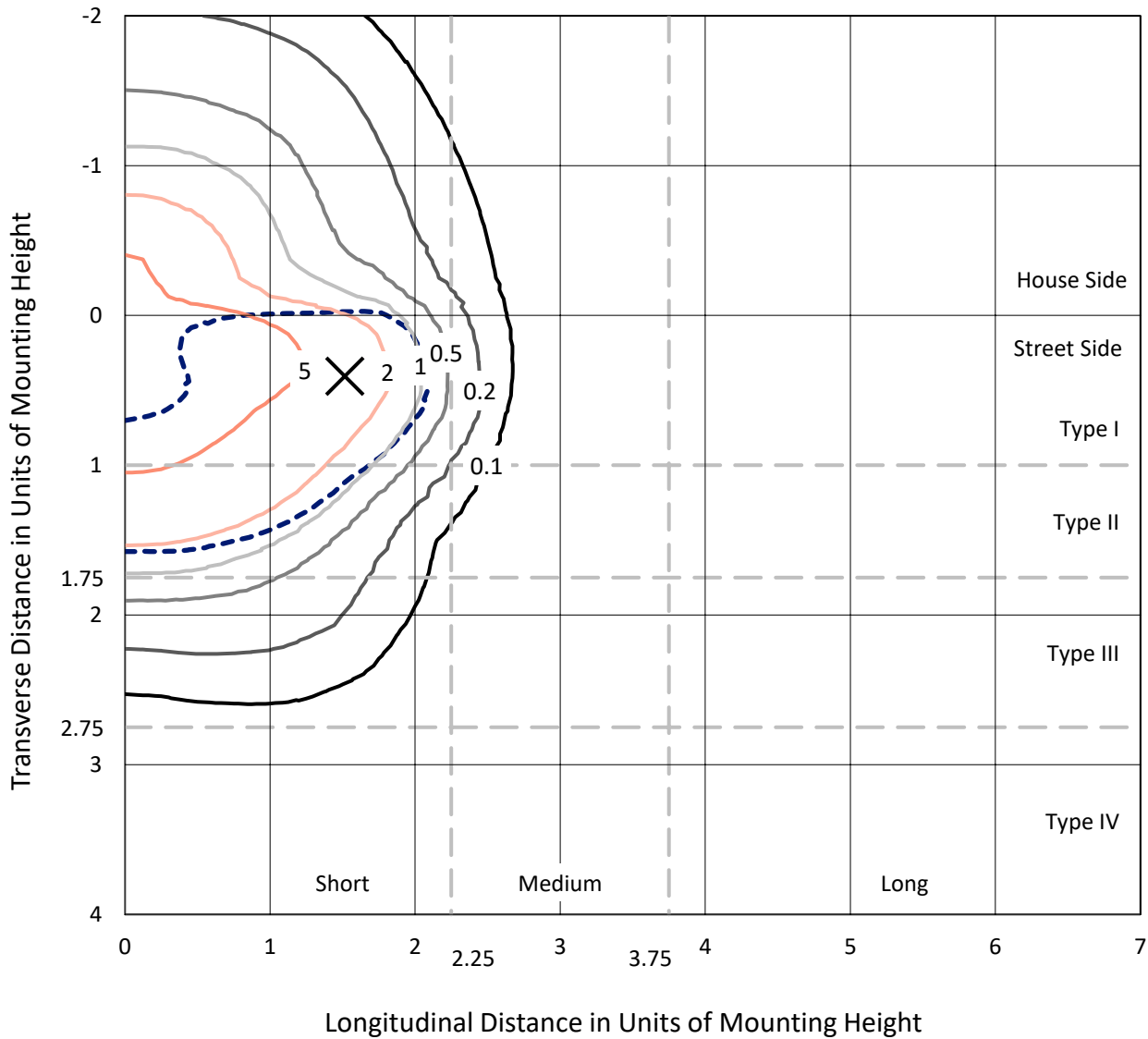
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

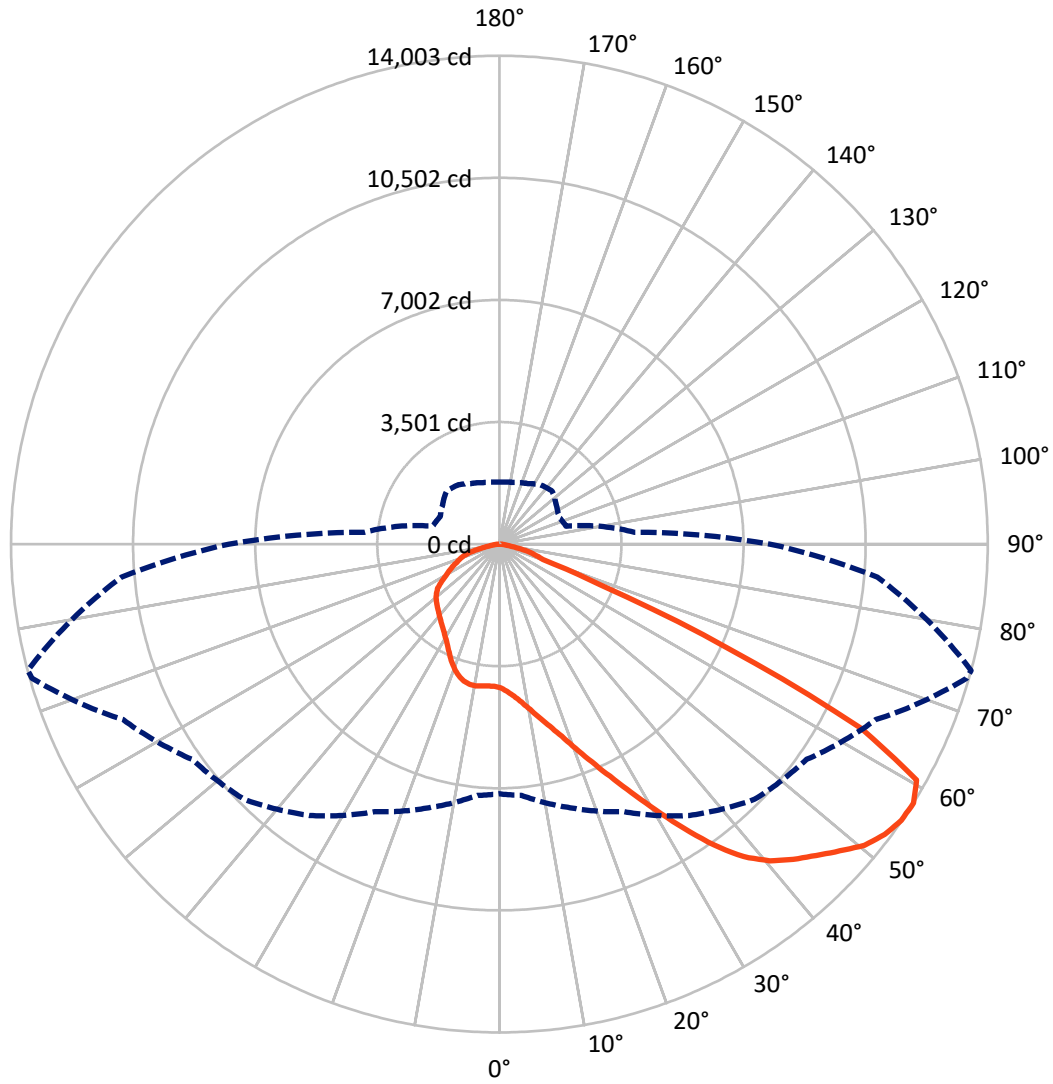
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	5951.1	0.0	5951.1
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	16047.5	0.0	16047.5
	% Fixture	72.9	0.0	72.9
Total	Lumens	21998.6	0.0	21998.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.3	1.9
10°-20°	1312.6	6.0
20°-30°	2327.8	10.6
30°-40°	3563.5	16.2
40°-50°	4961.9	22.6
50°-60°	5685.3	25.8
60°-70°	2921.2	13.3
70°-80°	735.4	3.3
80°-90°	78.6	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°	21998.6	100.0
0°-180°	21998.6	100.0

Coefficient of Utilization



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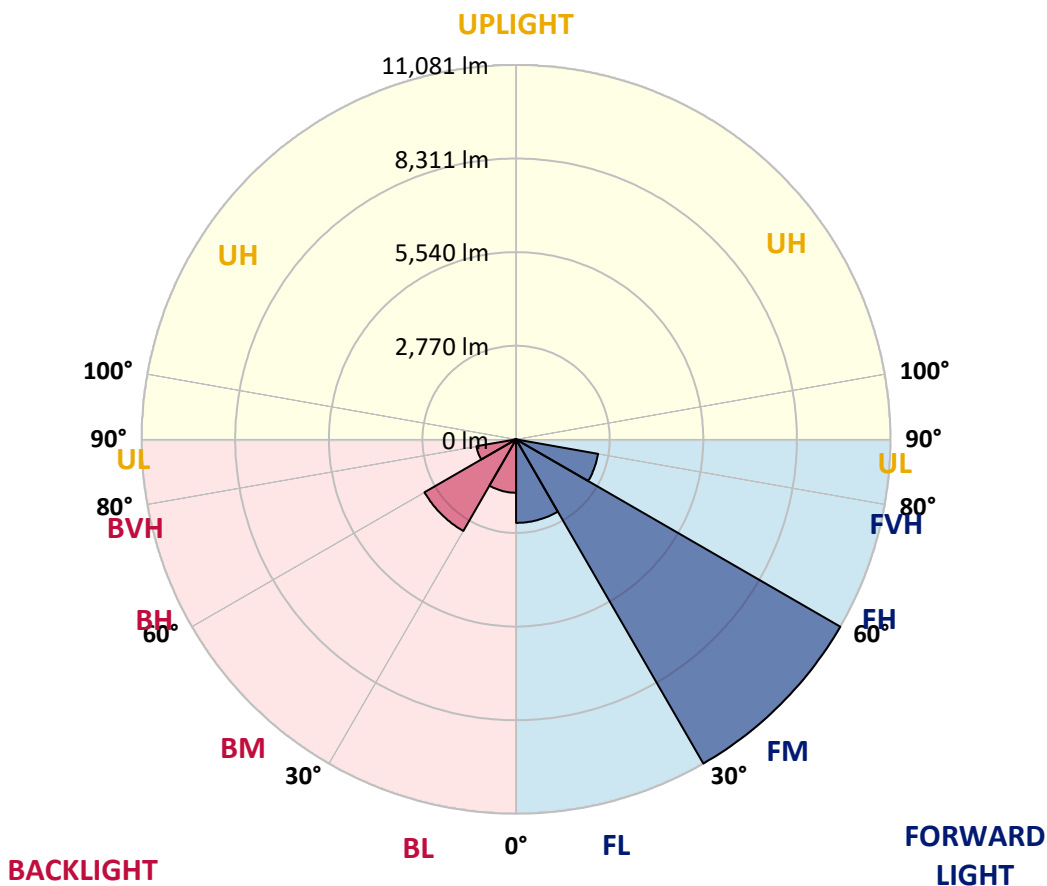
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2471.7	11.2			
FM (30°-60°)	11080.9	50.4			
FH (60°-80°)	2465.8	11.2			G2/5000
FVH (80°-90°)	29.1	0.1			G1/100
BL (0°-30°)	1581.0	7.2	B3/2500		
BM (30°-60°)	3129.7	14.2	B3/5000		
BH (60°-80°)	1190.8	5.4	B3/2500		G3/2500
BVH (80°-90°)	49.5	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°	4119.8	4119.8	4119.8	4119.8	4119.8	4119.8	4119.8	4119.8	4119.8	4119.8	4119.8
2.5°	4426.2	4437.6	4426.2	4445.2	4407.3	4390.3	4348.7	4286.3	4237.1	4229.5	4174.7
5°	4770.5	4795.1	4780.0	4772.4	4721.3	4683.5	4621.1	4496.2	4394.1	4379.0	4271.1
7.5°	4991.8	5008.8	5008.8	5014.5	4995.6	4952.1	4885.9	4738.3	4594.6	4571.9	4409.2
10°	5065.6	5078.8	5103.4	5150.7	5188.5	5201.8	5158.3	5016.4	4840.5	4817.8	4590.8
12.5°	5082.6	5097.7	5135.6	5222.6	5326.6	5421.2	5428.8	5324.7	5128.0	5103.4	4800.8
15°	5114.8	5129.9	5181.0	5288.8	5442.0	5623.6	5735.2	5663.3	5445.8	5419.3	5039.1
17.5°	5111.0	5128.0	5203.7	5347.4	5553.6	5816.5	6032.2	6062.4	5837.3	5791.9	5309.6
20°	5101.5	5116.7	5198.0	5373.9	5629.3	5990.6	6380.2	6537.2	6295.1	6253.5	5625.5
22.5°	5177.2	5194.2	5256.6	5402.3	5669.0	6124.9	6701.8	7080.1	6838.0	6779.3	5988.7
25°	5347.4	5372.0	5409.9	5510.1	5740.9	6244.0	7030.9	7694.9	7447.1	7377.1	6384.0
27.5°	5610.4	5640.6	5693.6	5740.9	5901.7	6395.4	7358.2	8383.4	8135.6	8061.8	6802.0
30°	5931.9	5971.6	6039.7	6071.9	6181.6	6618.6	7713.8	9092.7	8949.0	8846.8	7273.0
32.5°	6376.4	6431.3	6495.6	6505.1	6571.3	6957.1	8065.6	9796.4	9794.5	9722.6	7808.3
35°	6955.3	7013.9	7027.1	7040.4	7072.5	7422.5	8491.2	10437.6	10685.4	10602.2	8390.9
37.5°	7587.0	7672.2	7693.0	7634.3	7679.7	7982.4	8969.8	10952.1	11460.9	11372.0	8954.6
40°	8262.3	8296.4	8353.1	8260.4	8317.2	8623.6	9438.9	11281.2	12039.8	11945.2	9399.1
42.5°	8746.6	8809.0	8894.1	8860.0	8892.2	9172.2	9768.0	11440.1	12452.1	12357.5	9718.8
45°	9272.4	9291.3	9346.2	9338.6	9357.5	9618.6	10004.4	11510.1	12821.0	12735.8	9991.2
47.5°	9730.2	9758.5	9794.5	9752.9	9711.3	9881.5	10197.4	11570.6	13246.6	13144.4	10276.8
50°	10170.9	10195.5	10239.0	10117.9	9962.8	10006.3	10292.0	11653.9	13645.7	13573.8	10501.9
52.5°	10252.2	10278.7	10483.0	10507.6	10309.0	10155.8	10458.4	11837.4	13880.2	13834.8	10583.3
55°	9228.9	9276.2	9682.9	10150.1	10640.0	10590.8	10725.1	11933.8	13972.9	13984.3	10728.9
57.5°	7163.3	7231.4	7825.4	8466.6	9497.5	10350.6	10759.2	11909.2	13940.8	14003.2	10878.3
60°	4698.6	4738.3	5442.0	6160.8	7229.5	8409.9	9629.9	11466.6	13655.1	13744.0	10840.5
62.5°	2837.3	2882.7	3448.3	3993.1	4623.0	5411.7	6531.5	9215.7	11445.8	11644.4	8682.2
65°	1980.5	2041.0	2536.6	2984.9	3202.4	3039.7	3308.3	5146.9	7131.2	7214.4	5305.8
67.5°	1435.7	1477.3	1884.0	2417.4	2657.6	2146.9	1636.2	2279.3	3105.9	3136.2	2188.5
70°	940.1	987.4	1356.2	1840.5	2169.6	1740.2	1223.8	1233.3	1307.1	1322.2	1271.1
72.5°	516.4	544.8	838.0	1221.9	1282.5	1040.4	955.2	1025.2	1076.3	1076.3	1089.5
75°	266.7	291.3	342.4	402.9	486.1	569.4	688.5	792.6	847.4	851.2	845.5
77.5°	136.2	145.6	183.5	198.6	217.5	253.5	329.1	421.8	471.0	489.9	486.1
80°	64.3	68.1	77.6	90.8	111.6	141.9	177.8	211.9	242.1	245.9	266.7
82.5°	34.0	37.8	41.6	49.2	60.5	75.7	104.0	124.8	143.8	147.5	164.6
85°	13.2	15.1	17.0	18.9	26.5	32.2	43.5	58.6	71.9	71.9	85.1
87.5°	0.0	0.0	0.0	0.0	1.9	3.8	7.6	9.5	13.2	13.2	22.7
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°	4119.8	4119.8	4119.8	4119.8	4119.8	4119.8	4119.8	4119.8	4119.8	4119.8	4119.8
2.5°	4161.4	4106.6	4082.0	4042.3	4010.1	3974.2	3945.8	3925.0	3911.7	3904.2	3896.6
5°	4229.5	4146.3	4080.1	4000.6	3945.8	3892.8	3849.3	3819.1	3803.9	3792.6	3785.0
7.5°	4335.4	4223.8	4099.0	3976.1	3879.6	3794.5	3739.6	3707.5	3686.6	3679.1	3673.4
10°	4481.1	4326.0	4119.8	3925.0	3781.2	3688.5	3650.7	3635.6	3637.5	3633.7	3631.8
12.5°	4645.7	4433.8	4114.1	3834.2	3675.3	3620.4	3622.3	3646.9	3675.3	3682.9	3684.8
15°	4823.5	4539.7	4059.3	3716.9	3592.1	3597.7	3646.9	3705.6	3758.5	3779.3	3783.1
17.5°	5016.4	4628.6	3959.0	3588.3	3524.0	3584.5	3675.3	3771.8	3849.3	3883.4	3892.8
20°	5232.0	4704.3	3817.2	3461.5	3459.7	3559.9	3692.3	3819.1	3917.4	3962.8	3970.4
22.5°	5460.9	4751.6	3643.1	3344.3	3393.5	3527.8	3679.1	3811.5	3915.5	3960.9	3970.4
25°	5691.7	4766.7	3452.1	3236.5	3325.4	3476.7	3614.8	3720.7	3819.1	3858.8	3866.3
27.5°	5907.3	4723.2	3270.5	3143.8	3262.9	3401.0	3493.7	3550.5	3618.5	3648.8	3654.5
30°	6126.8	4636.2	3117.3	3070.0	3192.9	3297.0	3338.6	3342.4	3368.9	3368.9	3372.6
32.5°	6348.1	4507.6	2983.0	2998.1	3105.9	3174.0	3179.7	3136.2	3104.0	3051.1	3049.2
35°	6603.4	4377.1	2873.3	2916.8	3003.8	3045.4	3028.4	2945.2	2867.6	2780.6	2776.8
37.5°	6839.9	4242.8	2780.6	2833.6	2888.4	2918.7	2878.9	2778.7	2714.4	2625.5	2612.2
40°	7034.7	4121.7	2691.7	2746.5	2773.0	2799.5	2735.2	2653.9	2663.3	2614.1	2612.2
42.5°	7148.2	4004.4	2608.5	2650.1	2667.1	2686.0	2629.3	2568.7	2619.8	2582.0	2583.9
45°	7231.4	3902.3	2532.8	2547.9	2589.5	2617.9	2565.0	2496.9	2508.2	2362.6	2328.5
47.5°	7326.0	3845.5	2460.9	2445.8	2519.6	2568.7	2487.4	2389.0	2320.9	2177.2	2163.9
50°	7426.3	3824.7	2385.3	2343.6	2432.5	2479.8	2385.3	2262.3	2173.4	2095.8	2088.3
52.5°	7460.3	3822.8	2290.7	2220.7	2309.6	2375.8	2296.3	2171.5	2065.6	1989.9	1986.1
55°	7594.6	3877.7	2169.6	2052.3	2135.6	2271.8	2213.1	2033.4	1948.3	1914.3	1910.5
57.5°	7751.6	3887.1	1978.6	1868.9	1984.2	2145.0	2071.3	1916.1	1823.5	1781.8	1778.1
60°	7687.3	3654.5	1774.3	1728.9	1855.6	2025.9	1957.8	1823.5	1715.6	1675.9	1672.1
62.5°	5858.1	2580.1	1624.8	1607.8	1717.5	1853.7	1840.5	1700.5	1598.4	1570.0	1566.2
65°	3524.0	1812.1	1481.1	1479.2	1556.8	1687.3	1704.3	1590.8	1483.0	1443.3	1443.3
67.5°	1742.1	1386.5	1318.4	1309.0	1358.1	1450.8	1522.7	1430.0	1339.2	1301.4	1295.7
70°	1231.4	1221.9	1199.2	1172.8	1182.2	1220.1	1250.3	1172.8	1076.3	1038.5	1030.9
72.5°	1064.9	1066.8	1051.7	1030.9	1023.3	996.9	970.4	913.6	855.0	815.3	819.0
75°	826.6	830.4	839.9	832.3	811.5	783.1	754.7	682.9	635.6	597.7	590.2
77.5°	482.3	501.3	531.5	524.0	527.7	488.0	476.7	406.7	363.2	336.7	331.0
80°	272.4	283.7	297.0	306.4	295.1	278.1	253.5	215.6	202.4	183.5	179.7
82.5°	164.6	175.9	181.6	189.2	185.4	162.7	143.8	119.2	107.8	98.4	96.5
85°	83.2	90.8	96.5	100.3	88.9	73.8	66.2	53.0	45.4	39.7	39.7
87.5°	20.8	22.7	26.5	22.7	20.8	9.5	7.6	1.9	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)