

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: P642292

Luminaire Tested: GWS-SA6C-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24790.4 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

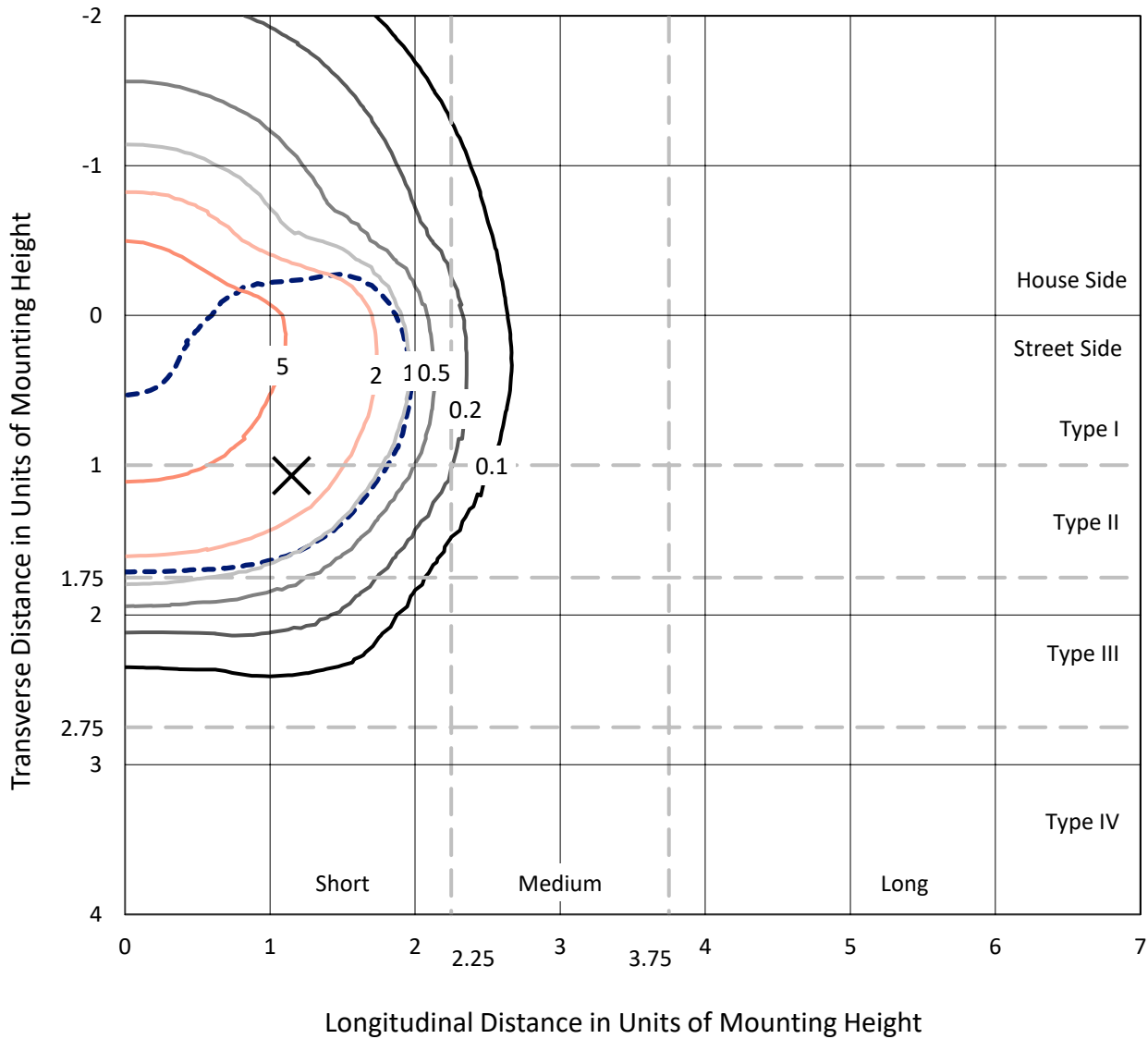
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

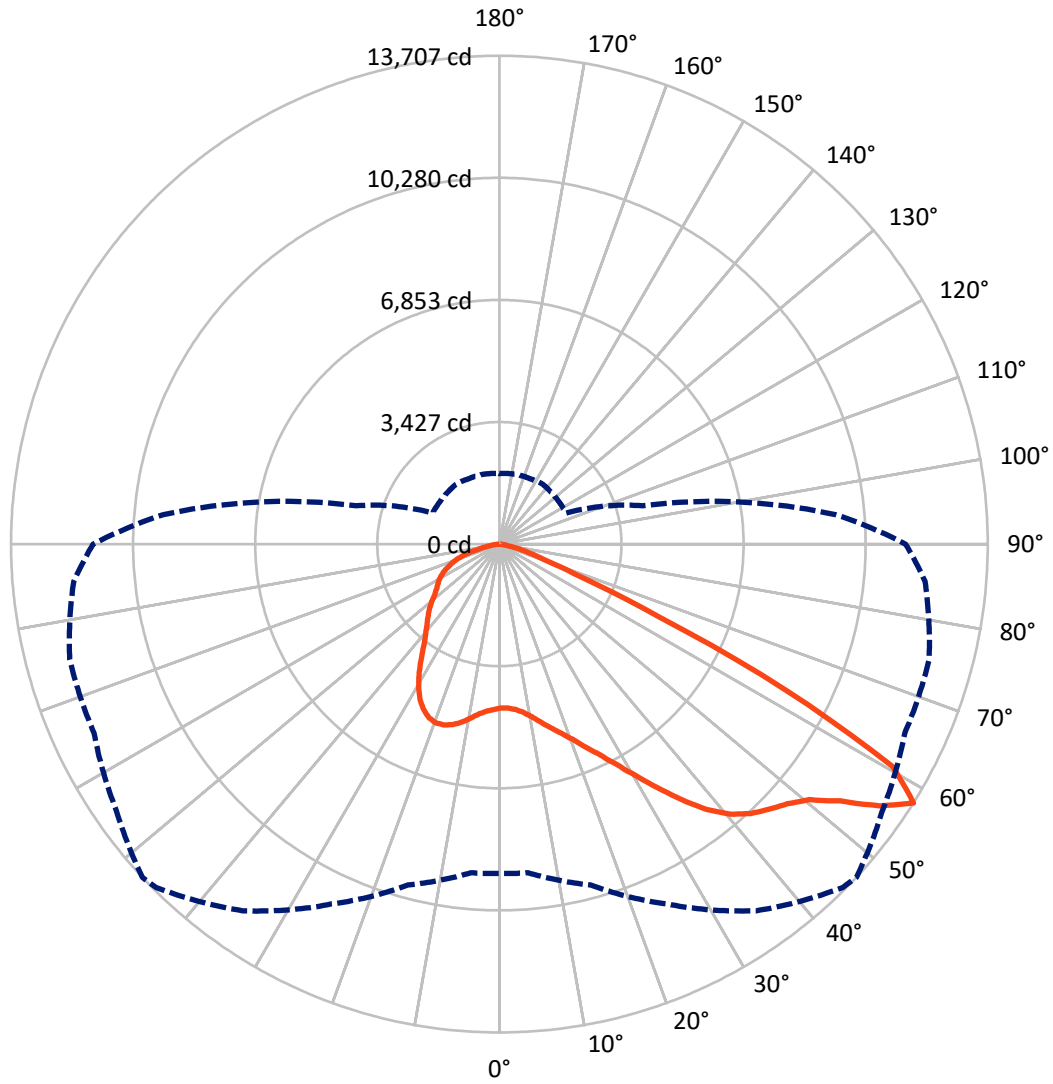
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7846.1	0.0	7846.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	16944.3	0.0	16944.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	24790.4	0.0	24790.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.5	1.8
10°-20°	1491.4	6.0
20°-30°	2685.5	10.8
30°-40°	4056.1	16.4
40°-50°	5462.0	22.0
50°-60°	6563.4	26.5
60°-70°	3196.5	12.9
70°-80°	787.5	3.2
80°-90°	94.6	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°	24790.4	100.0
0°-180°	24790.4	100.0

Coefficient of Utilization



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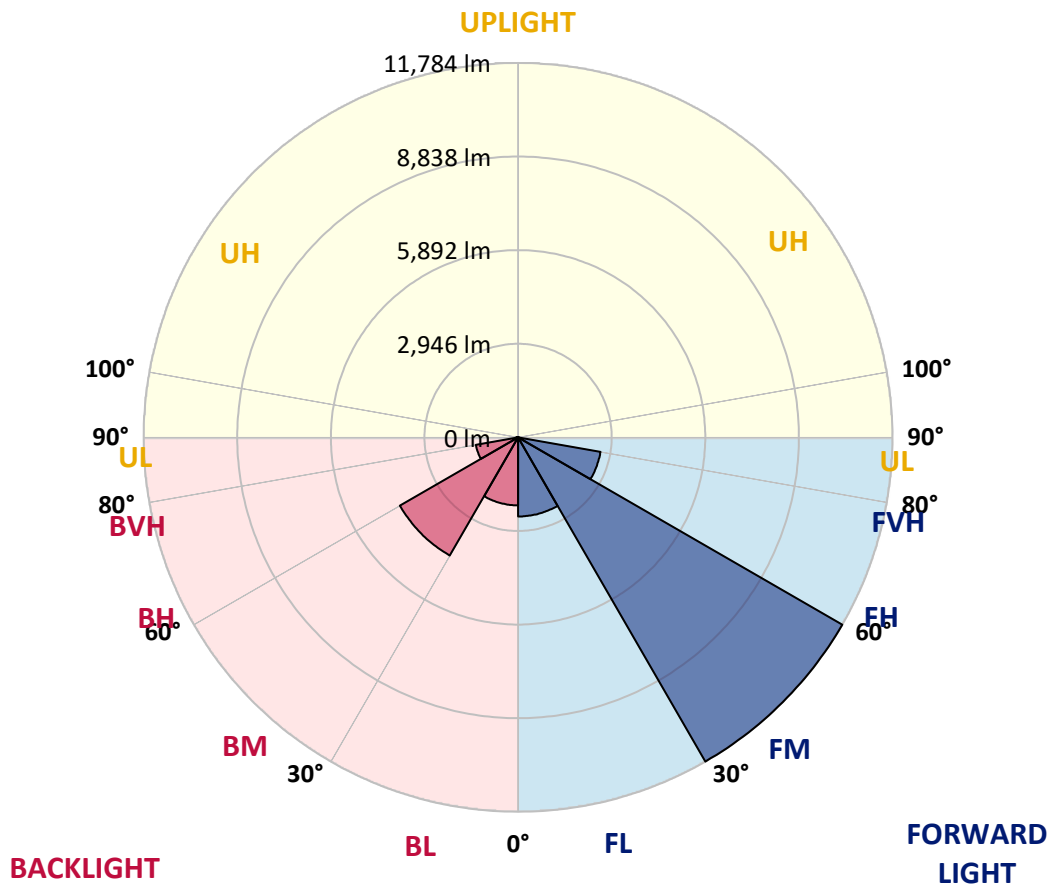
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2490.1	10.0			
FM (30°-60°)	11784.2	47.5			
FH (60°-80°)	2634.5	10.6			G2/5000
FVH (80°-90°)	35.6	0.1			G1/100
BL (0°-30°)	2140.3	8.6	B3/2500		
BM (30°-60°)	4297.3	17.3	B3/5000		
BH (60°-80°)	1349.5	5.4	B3/2500		G3/2500
BVH (80°-90°)	59.1	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°	47°	55°	65°	75°	85°
0°	4597.4	4597.4	4597.4	4597.4	4597.4	4597.4	4597.4	4597.4	4597.4	4597.4	4597.4
2.5°	4589.1	4587.0	4587.0	4599.5	4599.5	4603.7	4609.9	4616.2	4618.2	4607.8	4584.9
5°	4639.1	4639.1	4639.1	4649.5	4649.5	4653.6	4662.0	4664.0	4662.0	4645.3	4622.4
7.5°	4718.2	4718.2	4720.3	4732.8	4743.2	4749.4	4764.0	4761.9	4755.7	4728.6	4699.4
10°	4847.3	4853.5	4859.8	4874.3	4895.2	4909.7	4920.2	4920.2	4911.8	4870.2	4832.7
12.5°	5030.5	5038.8	5045.1	5057.6	5074.2	5099.2	5122.1	5122.1	5111.7	5059.7	5003.4
15°	5245.0	5253.3	5251.2	5255.4	5286.6	5322.0	5340.7	5353.2	5357.4	5284.5	5197.1
17.5°	5490.7	5499.0	5490.7	5478.2	5482.3	5538.6	5571.9	5617.7	5644.7	5546.9	5407.4
20°	5713.5	5705.1	5705.1	5713.5	5725.9	5794.7	5844.6	5919.6	5952.9	5834.2	5617.7
22.5°	5948.7	5967.5	5959.1	5959.1	6009.1	6123.6	6184.0	6281.9	6317.3	6163.2	5871.7
25°	6252.7	6269.4	6265.2	6269.4	6327.7	6490.1	6550.5	6731.6	6767.0	6546.3	6152.8
27.5°	6585.9	6612.9	6625.4	6621.3	6715.0	6927.4	7002.3	7254.3	7318.8	6975.2	6452.6
30°	7019.0	7048.1	7058.5	7054.4	7164.7	7454.1	7539.5	7826.8	7918.5	7483.3	6833.7
32.5°	7520.8	7549.9	7581.2	7593.6	7735.2	8030.9	8153.7	8451.5	8582.7	8070.5	7293.8
35°	8018.4	8043.4	8103.8	8201.6	8395.3	8697.2	8805.5	9099.1	9226.1	8680.5	7849.8
37.5°	8568.1	8584.8	8636.8	8772.2	9051.2	9338.5	9446.8	9727.9	9742.4	9269.8	8478.6
40°	9169.8	9169.8	9159.4	9292.7	9584.2	9873.6	9967.3	10129.7	10044.4	9723.7	9090.7
42.5°	9680.0	9671.6	9680.0	9804.9	10021.4	10256.7	10337.9	10306.7	10198.4	10071.4	9644.6
45°	10140.1	10146.4	10221.3	10317.1	10429.6	10569.1	10616.9	10440.0	10342.1	10350.4	10088.1
47.5°	10452.5	10458.7	10633.6	10793.9	10862.6	10906.4	10885.5	10639.9	10589.9	10683.6	10429.6
50°	10494.1	10527.4	10829.3	11158.3	11329.0	11335.3	11277.0	10977.2	10962.6	11068.8	10612.8
52.5°	10502.4	10535.7	10912.6	11506.0	11949.5	12043.2	11976.6	11664.3	11512.3	11406.1	10837.7
55°	10471.2	10508.7	10925.1	11739.2	12588.8	12963.5	12969.8	12528.4	12043.2	11972.4	11479.0
57.5°	9244.8	9259.4	9904.8	11145.8	12563.8	13625.7	13706.9	13107.2	12553.4	12486.7	11993.3
60°	6440.1	6498.4	7200.1	8838.8	10554.5	12426.3	12688.7	12513.8	12143.2	11658.0	10290.0
62.5°	3225.3	3275.2	3979.0	5528.1	7279.2	8757.6	9038.7	9224.0	9311.4	8790.9	7006.5
65°	1388.8	1426.3	1863.5	2888.0	4120.6	4834.8	4932.6	5155.4	5701.0	5086.7	3775.0
67.5°	928.6	953.6	1176.4	1761.5	2427.8	2473.6	2459.0	2506.9	2625.6	2167.5	1705.3
70°	712.1	732.9	882.8	1290.9	1744.9	1492.9	1413.8	1282.6	1393.0	1420.0	1382.6
72.5°	516.4	533.0	645.5	880.8	1093.1	953.6	941.1	1007.8	1157.7	1199.3	1176.4
75°	333.1	341.5	410.2	483.1	564.3	612.2	637.1	757.9	909.9	941.1	914.1
77.5°	222.8	229.0	268.6	310.2	320.7	322.7	331.1	385.2	489.3	547.6	541.4
80°	116.6	116.6	131.2	131.2	149.9	179.1	187.4	222.8	270.7	299.8	301.9
82.5°	45.8	47.9	56.2	62.5	75.0	91.6	97.9	116.6	141.6	162.4	181.1
85°	18.7	20.8	22.9	27.1	33.3	41.6	43.7	50.0	66.6	83.3	93.7
87.5°	0.0	0.0	2.1	2.1	4.2	6.2	6.2	8.3	10.4	18.7	25.0
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°	4597.4	4597.4	4597.4	4597.4	4597.4	4597.4	4597.4	4597.4	4597.4	4597.4	4597.4
2.5°	4612.0	4584.9	4612.0	4620.3	4643.2	4651.6	4637.0	4634.9	4634.9	4614.1	4607.8
5°	4643.2	4618.2	4645.3	4657.8	4691.1	4711.9	4716.1	4732.8	4743.2	4734.8	4732.8
7.5°	4720.3	4689.0	4718.2	4736.9	4780.6	4814.0	4828.5	4866.0	4893.1	4888.9	4886.8
10°	4855.6	4814.0	4847.3	4878.5	4926.4	4966.0	4968.0	4988.9	5015.9	5007.6	5003.4
12.5°	5011.8	4972.2	5009.7	5040.9	5097.1	5113.8	5086.7	5078.4	5082.6	5072.1	5063.8
15°	5203.3	5147.1	5180.4	5215.8	5247.1	5228.3	5170.0	5147.1	5145.0	5130.4	5122.1
17.5°	5394.9	5324.1	5349.1	5367.8	5353.2	5294.9	5222.1	5182.5	5163.8	5134.6	5126.3
20°	5584.4	5494.8	5490.7	5476.1	5409.5	5303.3	5205.4	5126.3	5078.4	5038.8	5024.3
22.5°	5800.9	5676.0	5613.5	5546.9	5401.1	5228.3	5080.5	4968.0	4891.0	4841.0	4824.4
25°	6034.1	5857.1	5728.0	5594.8	5317.8	5068.0	4861.9	4707.8	4616.2	4562.0	4543.3
27.5°	6265.2	6021.6	5828.0	5601.0	5151.3	4836.9	4559.9	4351.7	4260.1	4216.4	4201.8
30°	6577.6	6240.2	5946.7	5519.8	4932.6	4516.2	4170.6	3960.3	3899.9	3868.7	3856.2
32.5°	6937.8	6517.2	6104.9	5349.1	4653.6	4141.4	3777.0	3631.3	3589.6	3529.3	3527.2
35°	7412.5	6912.8	6254.8	5097.1	4301.7	3739.6	3475.1	3371.0	3296.1	3200.3	3192.0
37.5°	7966.4	7406.3	6336.0	4776.5	3891.6	3408.5	3250.3	3133.7	3012.9	2885.9	2869.2
40°	8538.9	7983.0	6342.3	4397.5	3489.7	3189.9	3056.6	2904.6	2754.7	2613.1	2594.4
42.5°	9140.7	8520.2	6231.9	3960.3	3160.7	3000.4	2865.1	2673.5	2504.8	2409.1	2398.7
45°	9677.9	8953.3	5982.1	3500.1	2917.1	2842.2	2669.3	2463.2	2373.7	2305.0	2290.4
47.5°	10100.6	9240.6	5644.7	3087.8	2719.3	2679.7	2454.9	2348.7	2280.0	2217.5	2202.9
50°	10308.8	9305.2	5205.4	2752.6	2536.1	2488.2	2334.1	2252.9	2207.1	2157.1	2144.6
52.5°	10567.0	9378.1	4826.5	2471.5	2357.0	2292.5	2234.2	2169.6	2136.3	2105.1	2094.7
55°	11160.4	9652.9	4626.6	2246.7	2186.3	2157.1	2148.8	2094.7	2084.2	2063.4	2044.7
57.5°	11401.9	9475.9	4153.9	2063.4	2050.9	2055.1	2075.9	2025.9	2015.5	1990.5	1978.1
60°	9169.8	7162.6	2813.0	1905.2	1938.5	1965.6	1986.4	1936.4	1921.8	1917.7	1901.0
62.5°	5875.9	4405.9	1963.5	1757.3	1807.3	1840.6	1853.1	1805.2	1794.8	1828.1	1830.2
65°	3058.7	2400.7	1592.9	1599.1	1640.7	1690.7	1715.7	1699.0	1694.9	1730.3	1732.4
67.5°	1561.6	1467.9	1388.8	1411.7	1445.0	1509.6	1567.9	1640.7	1665.7	1669.9	1672.0
70°	1330.5	1288.9	1249.3	1263.9	1299.3	1334.7	1390.9	1426.3	1384.6	1374.2	1370.1
72.5°	1132.7	1101.5	1082.7	1099.4	1118.1	1111.9	1095.2	1111.9	1118.1	1120.2	1122.3
75°	880.8	857.9	843.3	845.4	845.4	822.5	791.2	772.5	751.7	735.0	735.0
77.5°	539.3	543.4	558.0	555.9	553.9	545.5	514.3	497.6	447.7	433.1	433.1
80°	308.2	314.4	329.0	333.1	333.1	322.7	291.5	272.8	249.9	239.4	237.4
82.5°	187.4	195.7	204.1	208.2	210.3	197.8	170.7	156.2	143.7	133.3	133.3
85°	97.9	102.0	110.4	112.4	106.2	93.7	79.1	72.9	60.4	58.3	58.3
87.5°	27.1	29.2	33.3	27.1	25.0	18.7	10.4	8.3	4.2	2.1	2.1
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)