

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: P642152

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24687.9 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

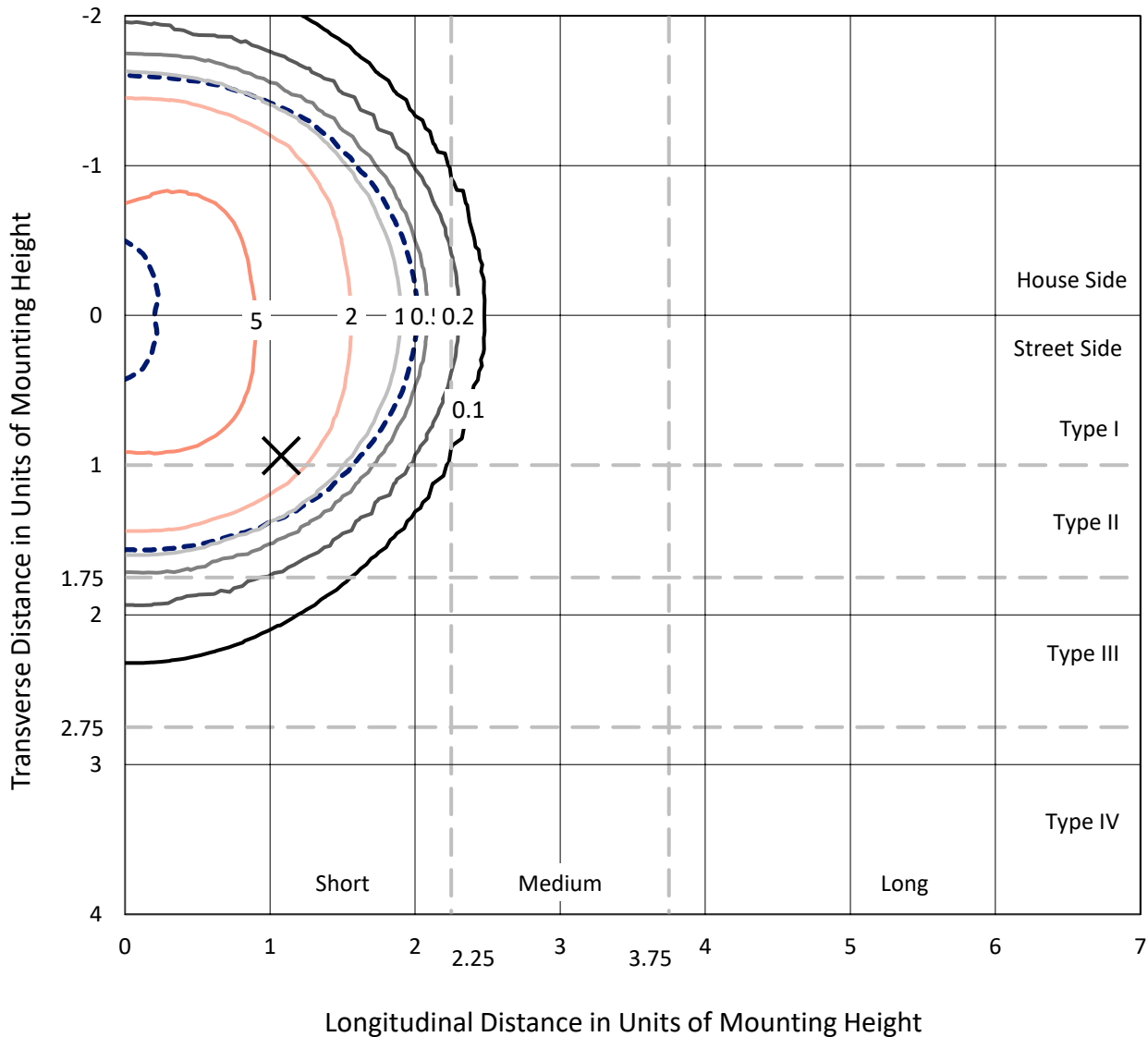
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

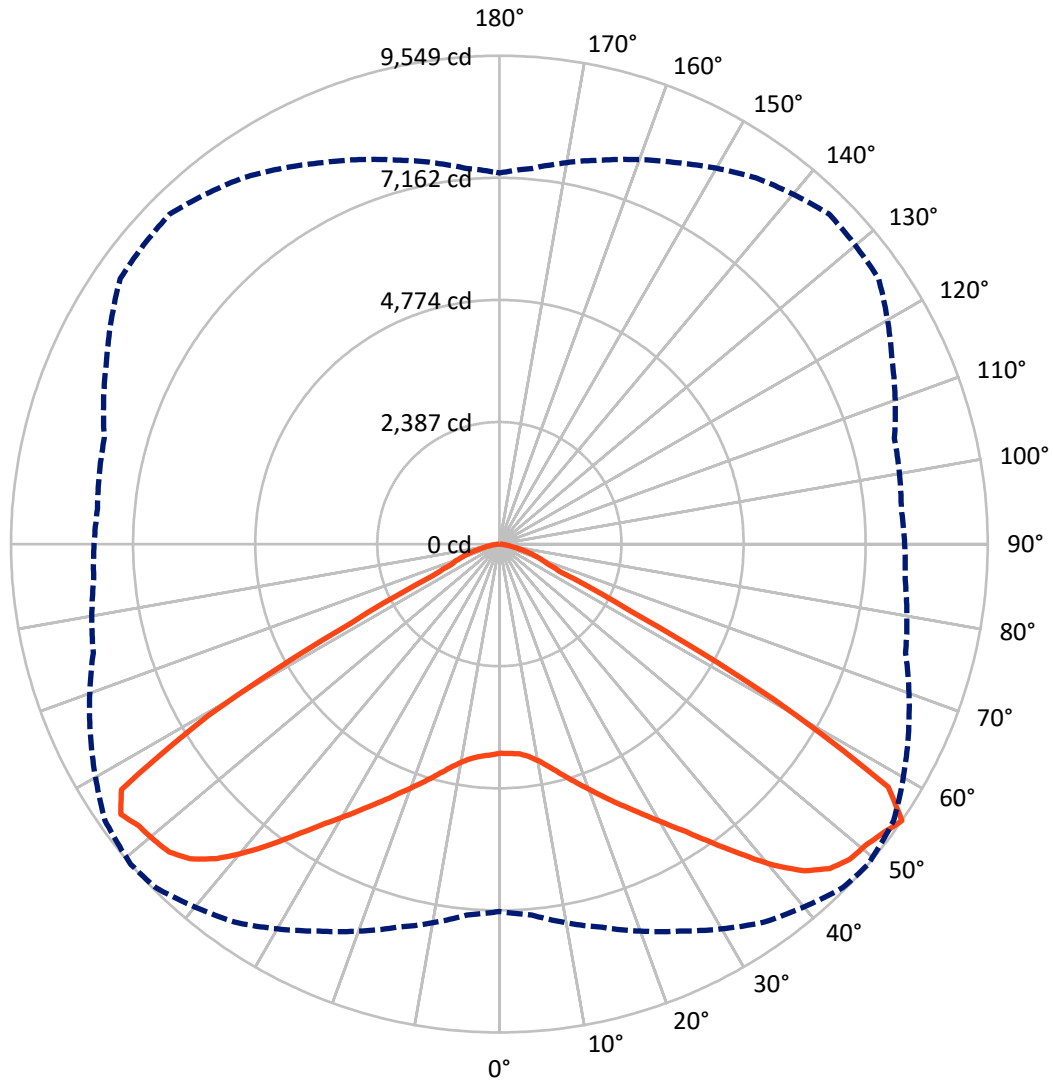
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12222.8	0.0	12222.8
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	12465.0	0.0	12465.0
	% Fixture	50.5	0.0	50.5
Total	Lumens	24687.9	0.0	24687.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.9	1.6
10°-20°	1315.9	5.3
20°-30°	2506.4	10.2
30°-40°	4248.9	17.2
40°-50°	6394.3	25.9
50°-60°	6999.2	28.4
60°-70°	2213.2	9.0
70°-80°	531.2	2.2
80°-90°	79.7	0.3
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°	24687.9	100.0
0°-180°	24687.9	100.0

Coefficient of Utilization



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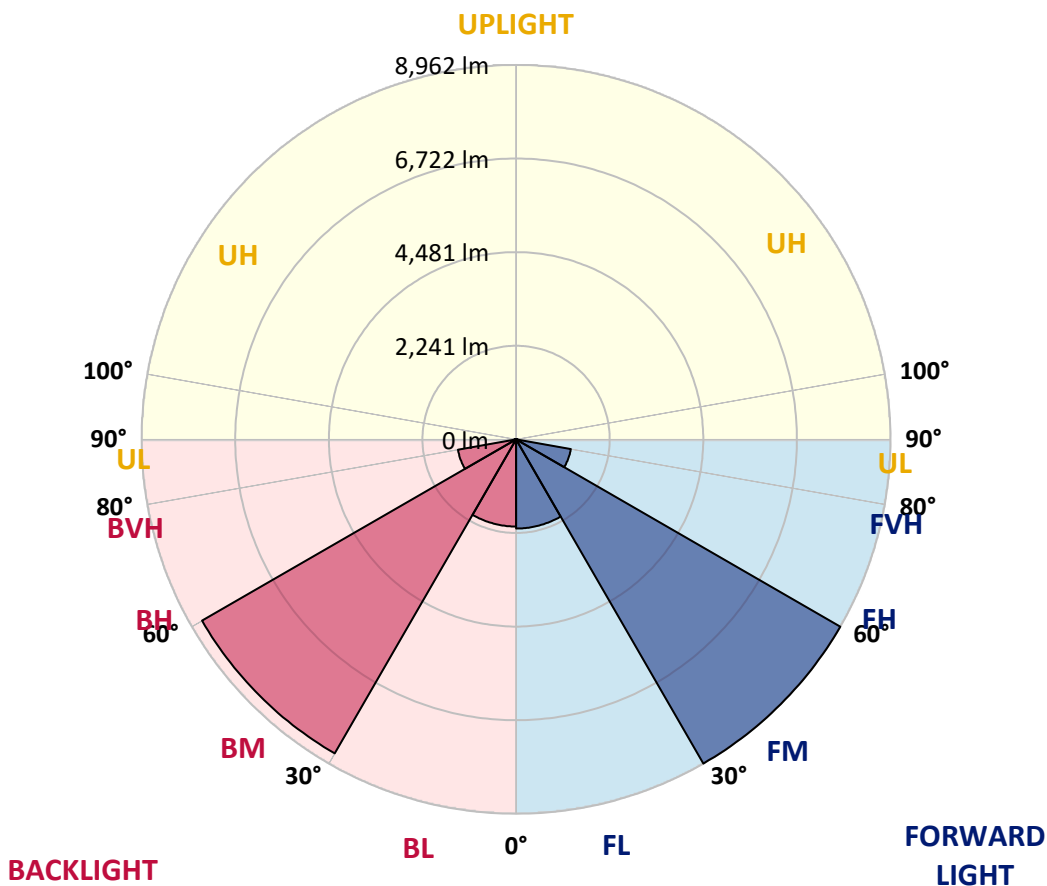
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2134.5	8.6			
FM (30°-60°)	8962.4	36.3			
FH (60°-80°)	1331.3	5.4			G1/1800
FVH (80°-90°)	36.9	0.1			G1/100
BL (0°-30°)	2086.8	8.5	B3/2500		
BM (30°-60°)	8680.1	35.2	B5		
BH (60°-80°)	1413.1	5.7	B3/2500		G1/1800
BVH (80°-90°)	42.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	4089.7	4089.7	4089.7	4089.7	4089.7	4089.7	4089.7	4089.7	4089.7	4089.7	4089.7
2.5°	4029.5	4033.5	4041.5	4055.6	4069.6	4089.7	4097.7	4107.8	4105.8	4117.8	4117.8
5°	4009.4	4015.4	4027.5	4047.5	4071.6	4109.8	4119.8	4143.9	4168.0	4198.1	4208.2
7.5°	4033.5	4041.5	4055.6	4087.7	4123.8	4174.0	4194.1	4234.3	4280.4	4334.6	4356.7
10°	4079.7	4089.7	4113.8	4166.0	4224.2	4300.5	4318.6	4368.8	4443.1	4517.3	4561.5
12.5°	4131.9	4147.9	4192.1	4274.4	4360.7	4461.1	4489.2	4551.5	4631.8	4728.2	4788.4
15°	4192.1	4206.1	4274.4	4390.9	4525.4	4657.9	4690.0	4750.2	4840.6	4934.9	5019.3
17.5°	4318.6	4342.7	4423.0	4557.5	4714.1	4870.7	4906.8	4975.1	5047.4	5121.7	5202.0
20°	4491.2	4511.3	4613.7	4780.4	4965.1	5107.6	5143.7	5204.0	5238.1	5276.3	5344.5
22.5°	4663.9	4692.0	4808.5	5005.2	5222.0	5376.6	5404.7	5461.0	5436.9	5424.8	5469.0
25°	4878.7	4916.9	5031.3	5246.1	5467.0	5657.7	5679.8	5728.0	5687.8	5625.6	5623.6
27.5°	5145.8	5179.9	5298.3	5519.2	5738.0	5936.8	5979.0	6043.2	5954.9	5878.6	5824.4
30°	5463.0	5485.1	5615.6	5850.5	6075.3	6264.0	6318.3	6382.5	6316.2	6189.8	6135.6
32.5°	5832.4	5862.5	6013.1	6260.0	6460.8	6649.5	6703.7	6784.0	6711.8	6569.2	6501.0
35°	6276.1	6306.2	6464.8	6733.9	6938.6	7133.4	7171.5	7237.8	7147.4	6982.8	6928.6
37.5°	6757.9	6796.1	6996.9	7251.8	7466.7	7693.5	7695.5	7715.6	7587.1	7382.3	7322.1
40°	7300.0	7350.2	7551.0	7816.0	8075.0	8259.7	8257.7	8201.5	7984.7	7667.4	7575.1
42.5°	7836.1	7876.2	8079.0	8352.1	8611.1	8785.7	8733.5	8597.0	8283.8	7852.1	7729.7
45°	8223.6	8253.7	8466.5	8773.7	9036.7	9145.1	9050.7	8886.1	8462.5	7968.6	7787.9
47.5°	8406.3	8446.4	8661.3	8966.4	9263.6	9325.8	9213.4	9058.8	8566.9	8077.0	7834.1
50°	8307.9	8360.1	8603.0	8886.1	9221.4	9349.9	9269.6	9115.0	8677.3	8183.4	7916.4
52.5°	8052.9	8103.1	8410.3	8753.6	9133.1	9388.0	9386.0	9259.5	8803.8	8213.5	7920.4
55°	7181.6	7279.9	7757.8	8350.1	9024.6	9500.5	9548.7	9414.1	8823.9	8221.6	7962.6
57.5°	4673.9	4846.6	5300.3	6071.3	7424.5	8641.2	8966.4	8998.5	8679.3	8187.4	7970.6
60°	1951.5	2090.0	2449.4	2961.4	4079.7	5527.2	6157.6	6790.1	7553.0	7830.1	7896.3
62.5°	1212.7	1224.7	1260.8	1377.3	1750.7	2457.4	2863.0	3455.3	4589.6	5555.3	6001.0
65°	1094.2	1100.2	1108.3	1100.2	1118.3	1204.6	1313.0	1519.8	1981.6	2461.4	3031.6
67.5°	963.7	971.7	977.8	971.7	977.8	981.8	993.8	1011.9	1096.2	1164.5	1216.7
70°	779.0	791.0	801.1	797.1	821.2	821.2	833.2	847.3	889.4	939.6	975.7
72.5°	594.3	584.2	596.3	600.3	622.4	634.4	652.5	668.6	716.8	746.9	793.0
75°	385.5	375.4	393.5	403.5	433.7	449.7	465.8	481.8	516.0	536.1	580.2
77.5°	208.8	206.8	224.9	238.9	271.0	291.1	303.2	315.2	343.3	349.3	377.4
80°	120.5	120.5	132.5	142.5	162.6	184.7	196.8	206.8	226.9	232.9	244.9
82.5°	66.3	66.3	72.3	78.3	94.4	106.4	116.4	124.5	142.5	148.6	154.6
85°	32.1	30.1	34.1	38.1	44.2	50.2	56.2	60.2	74.3	78.3	86.3
87.5°	4.0	4.0	4.0	6.0	8.0	12.0	14.1	14.1	22.1	26.1	30.1
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°	4089.7	4089.7	4089.7	4089.7	4089.7	4089.7	4089.7	4089.7	4089.7	4089.7	4089.7
2.5°	4129.9	4103.8	4119.8	4125.8	4125.8	4119.8	4093.7	4085.7	4073.6	4055.6	4055.6
5°	4222.2	4202.1	4206.1	4196.1	4172.0	4141.9	4093.7	4069.6	4049.5	4027.5	4025.5
7.5°	4380.8	4354.7	4350.7	4312.6	4248.3	4184.1	4111.8	4067.6	4037.5	4009.4	4007.4
10°	4587.6	4563.5	4533.4	4457.1	4362.7	4268.4	4170.0	4109.8	4065.6	4025.5	4023.4
12.5°	4818.5	4790.4	4734.2	4621.7	4503.3	4410.9	4298.5	4206.1	4139.9	4085.7	4075.6
15°	5069.5	5029.3	4932.9	4800.4	4684.0	4585.6	4465.1	4332.6	4232.2	4145.9	4135.9
17.5°	5262.2	5210.0	5105.6	4981.1	4884.8	4786.4	4629.8	4463.1	4318.6	4210.2	4194.1
20°	5394.7	5352.5	5234.1	5141.7	5085.5	4999.2	4816.5	4627.8	4465.1	4328.6	4320.6
22.5°	5517.2	5467.0	5350.5	5296.3	5296.3	5238.1	5063.4	4840.6	4649.9	4491.2	4471.2
25°	5655.7	5601.5	5513.2	5507.1	5535.2	5509.1	5298.3	5059.4	4836.6	4657.9	4625.8
27.5°	5848.5	5788.2	5736.0	5772.2	5812.3	5784.2	5549.3	5272.2	5037.3	4856.6	4828.5
30°	6155.6	6081.3	6033.2	6077.3	6155.6	6073.3	5818.3	5525.2	5288.3	5089.5	5075.5
32.5°	6513.0	6428.7	6378.5	6448.8	6519.0	6390.5	6137.6	5856.5	5607.5	5398.7	5374.6
35°	6942.7	6836.2	6762.0	6856.3	6928.6	6802.1	6551.1	6284.1	6007.1	5790.2	5758.1
37.5°	7324.1	7195.6	7145.4	7277.9	7374.3	7292.0	7018.9	6768.0	6464.8	6227.9	6213.9
40°	7601.2	7474.7	7438.6	7657.4	7826.0	7806.0	7561.0	7273.9	6988.8	6715.8	6689.7
42.5°	7721.6	7633.3	7641.3	7936.5	8197.5	8326.0	8107.1	7799.9	7524.9	7241.8	7223.7
45°	7747.7	7693.5	7757.8	8127.2	8470.5	8733.5	8546.8	8289.8	7978.6	7705.6	7697.6
47.5°	7775.9	7745.7	7844.1	8235.6	8643.2	8948.4	8844.0	8578.9	8263.7	7996.7	7976.6
50°	7842.1	7830.1	7940.5	8311.9	8725.5	9006.6	8888.1	8625.1	8301.9	8038.9	7990.7
52.5°	7862.2	7842.1	8000.7	8430.4	8862.0	9004.6	8749.6	8406.3	8081.0	7787.9	7737.7
55°	7924.4	7888.3	7996.7	8474.5	9050.7	9121.0	8741.6	8227.6	7773.8	7374.3	7255.9
57.5°	7940.5	7900.3	7970.6	8402.3	8846.0	8783.7	7683.5	6639.5	5784.2	5340.5	5390.7
60°	7854.2	7866.2	7745.7	7697.6	7095.2	6264.0	4704.1	3760.4	2953.3	2612.0	2686.3
62.5°	5979.0	6029.1	5617.6	4884.8	3756.4	2977.4	1969.6	1529.9	1295.0	1234.7	1244.8
65°	3017.6	3085.8	2658.2	2198.4	1634.3	1321.1	1142.4	1106.2	1094.2	1080.1	1080.1
67.5°	1194.6	1214.7	1198.6	1122.3	1044.0	1015.9	1007.9	1003.9	989.8	981.8	983.8
70°	959.7	975.7	951.7	903.5	871.3	869.3	865.3	857.3	847.3	847.3	853.3
72.5°	783.0	799.1	764.9	734.8	710.7	692.7	682.6	676.6	662.5	662.5	668.6
75°	576.2	586.3	558.1	554.1	528.0	510.0	493.9	485.9	467.8	459.8	465.8
77.5°	383.5	381.5	367.4	367.4	357.4	335.3	317.2	299.1	275.1	259.0	263.0
80°	249.0	249.0	242.9	242.9	232.9	214.8	192.7	174.7	160.6	148.6	148.6
82.5°	158.6	156.6	154.6	152.6	148.6	130.5	114.4	102.4	92.4	84.3	86.3
85°	88.3	88.3	84.3	84.3	76.3	66.3	58.2	50.2	44.2	42.2	42.2
87.5°	30.1	30.1	28.1	28.1	24.1	18.1	14.1	12.0	10.0	8.0	10.0
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)