

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: P641831

Luminaire Tested: GWS-SA6B-760-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641831  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-760-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

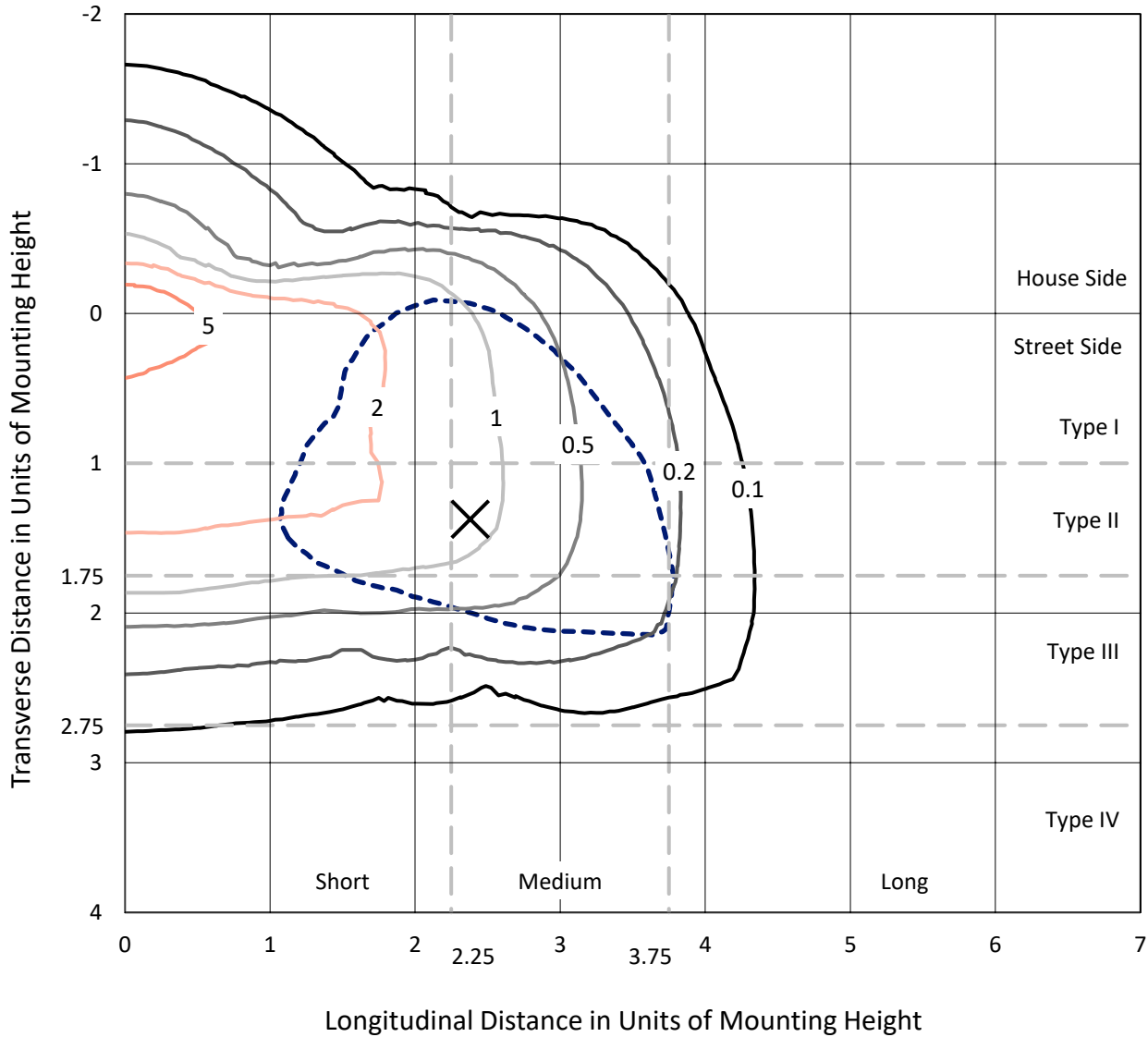
Lumens per Lamp: N/A  
Luminaire Lumens: 20929.8 lumens  
Efficiency: N/A  
Efficacy: 150.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): 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

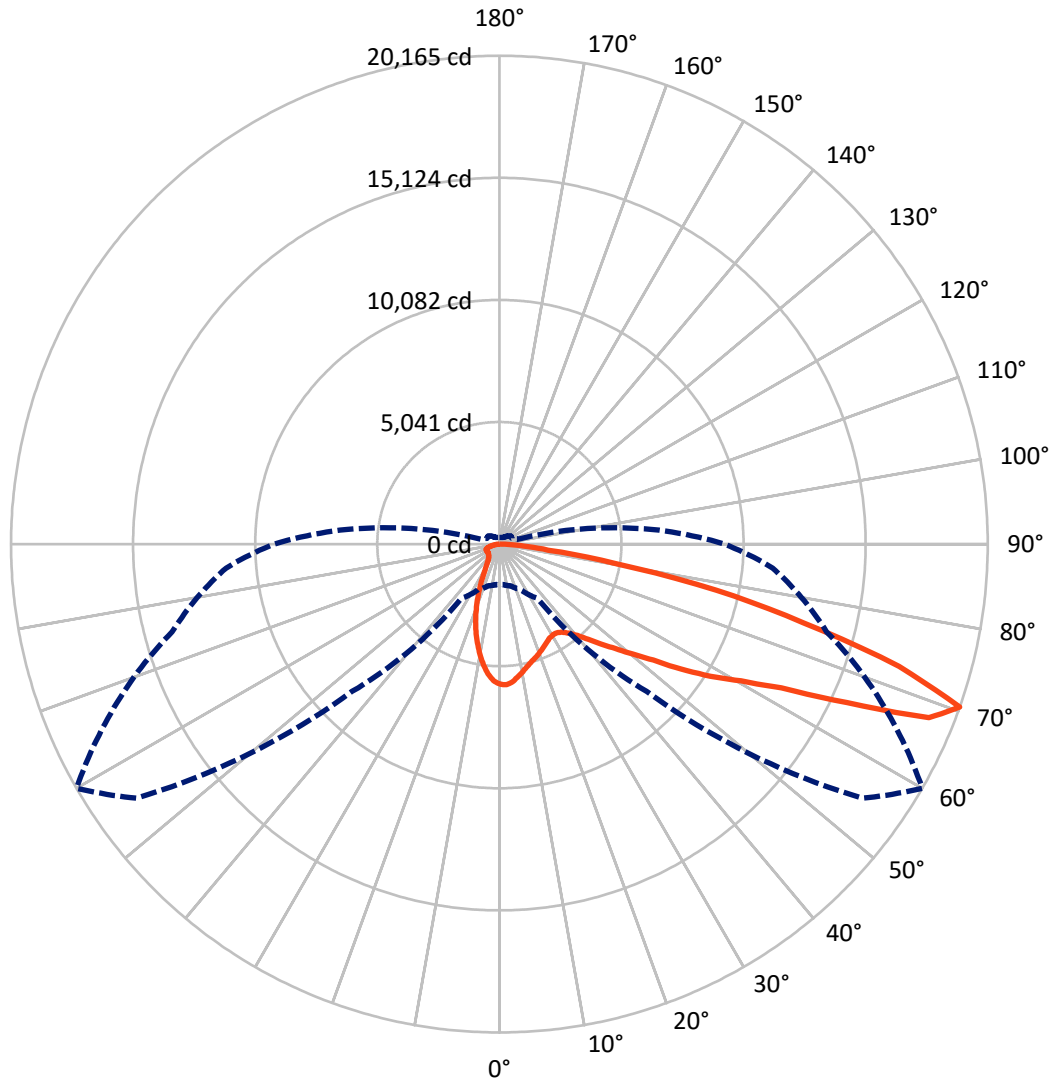
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3579.5	0.0	3579.5
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	17350.3	0.0	17350.3
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	20929.8	0.0	20929.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	499.2	2.4
10°-20°	1118.4	5.3
20°-30°	1432.3	6.8
30°-40°	1882.4	9.0
40°-50°	2731.0	13.0
50°-60°	4261.0	20.4
60°-70°	5578.5	26.7
70°-80°	3084.7	14.7
80°-90°	342.3	1.6
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°	20929.8	100.0
0°-180°	20929.8	100.0

**Coefficient of Utilization**



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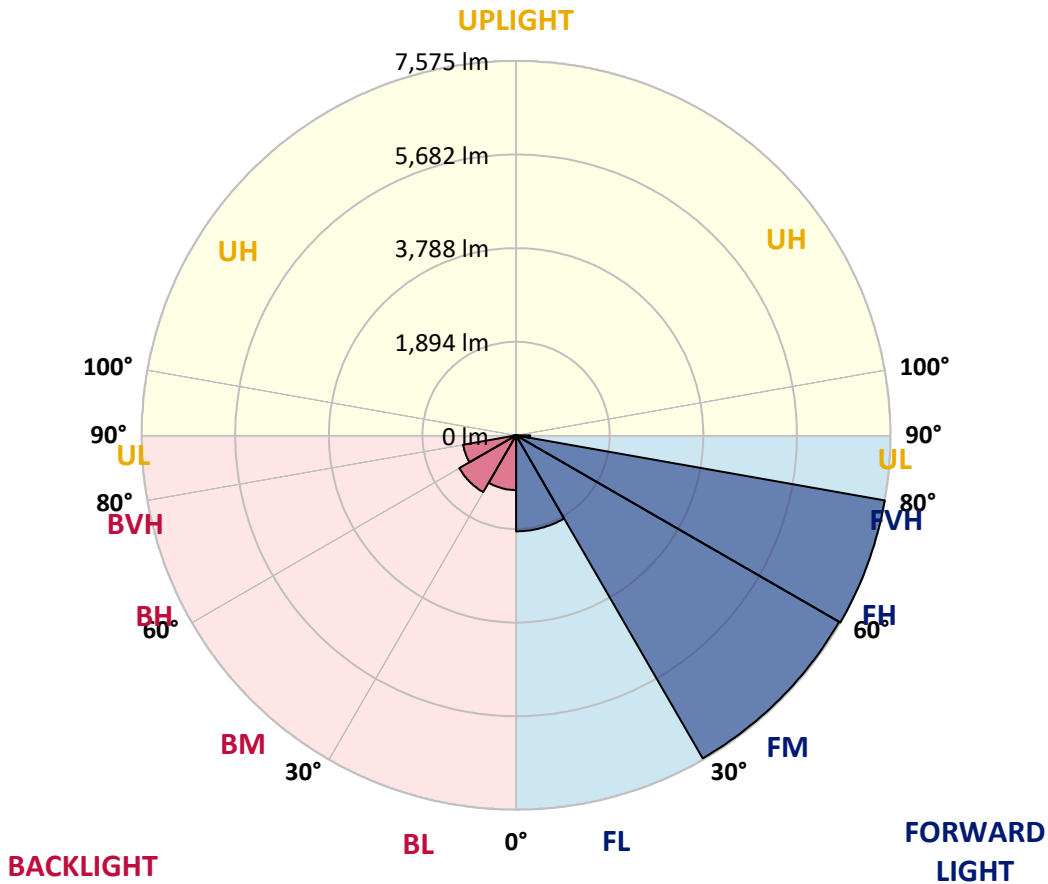
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1942.4	9.3			
FM (30°-60°)	7547.2	36.1			
FH (60°-80°)	7575.4	36.2			G4/12000
FVH (80°-90°)	285.3	1.4			G3/500
BL (0°-30°)	1107.5	5.3	B3/2500		
BM (30°-60°)	1327.2	6.3	B2/2500		
BH (60°-80°)	1087.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	57.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5791.5	5791.5	5791.5	5791.5	5791.5	5791.5	5791.5	5791.5	5791.5	5791.5	5791.5
2.5°	5710.4	5716.5	5733.4	5757.9	5782.4	5794.6	5825.2	5816.0	5809.9	5797.7	5782.4
5°	5457.7	5470.0	5485.3	5532.7	5586.3	5629.2	5698.1	5705.8	5708.9	5715.0	5690.5
7.5°	5136.1	5139.2	5175.9	5238.7	5309.2	5382.7	5497.5	5529.7	5557.3	5587.9	5568.0
10°	4780.9	4788.5	4816.1	4906.4	5027.4	5136.1	5290.8	5344.4	5402.6	5470.0	5442.4
12.5°	4489.9	4491.4	4535.8	4632.3	4764.0	4911.0	5104.0	5168.3	5244.9	5350.5	5326.0
15°	4258.7	4258.7	4300.0	4382.7	4534.3	4707.4	4937.1	5019.7	5123.9	5266.3	5223.4
17.5°	4074.9	4076.4	4102.5	4189.8	4324.5	4515.9	4788.5	4900.3	5015.2	5203.5	5139.2
20°	3978.4	3970.8	3975.4	4029.0	4143.8	4329.1	4640.0	4770.1	4924.8	5160.6	5062.6
22.5°	3973.8	3960.1	3940.2	3944.7	4012.1	4165.3	4480.7	4638.4	4832.9	5125.4	4984.5
25°	4051.9	4036.6	4001.4	3961.6	3955.5	4047.3	4330.6	4509.8	4738.0	5110.1	4909.5
27.5°	4183.6	4172.9	4127.0	4067.3	4004.5	4001.4	4217.3	4404.1	4669.1	5125.4	4855.9
30°	4358.2	4339.8	4310.7	4234.2	4139.2	4041.2	4172.9	4347.5	4623.1	5174.4	4832.9
32.5°	4555.8	4545.0	4517.5	4440.9	4339.8	4183.6	4208.1	4359.7	4623.1	5260.2	4837.5
35°	4765.5	4764.0	4764.0	4713.5	4601.7	4407.2	4347.5	4463.9	4693.6	5398.0	4886.5
37.5°	4969.2	4967.7	5016.7	5035.1	4908.0	4698.2	4584.8	4672.1	4848.2	5601.7	5007.5
40°	5134.6	5140.7	5247.9	5339.8	5269.4	5074.9	4915.6	4960.0	5099.4	5891.1	5218.8
42.5°	5301.5	5318.4	5479.2	5641.5	5669.0	5500.6	5339.8	5365.8	5459.2	6273.9	5534.3
45°	5483.7	5491.4	5716.5	5943.1	6076.4	5976.8	5845.1	5880.4	5901.8	6747.1	6004.4
47.5°	5659.9	5679.8	5970.7	6281.6	6534.2	6525.1	6451.6	6440.8	6445.4	7322.9	6560.3
50°	5900.3	5929.4	6270.9	6646.0	7016.6	7186.6	7208.0	7126.9	7093.2	7963.0	7252.4
52.5°	6356.6	6356.6	6662.9	7031.9	7529.6	7950.7	8094.7	7961.5	7854.3	8639.8	7987.5
55°	6927.8	6952.3	7195.8	7494.4	8125.3	8754.7	9241.7	9094.7	8791.5	9376.4	8757.8
57.5°	7182.0	7212.6	7598.5	8062.5	8904.8	9668.9	10344.2	10292.2	9849.6	10142.1	9557.1
60°	6722.6	6786.9	7318.3	8096.2	9610.7	11143.6	11619.8	11468.2	10835.8	10946.1	10423.9
62.5°	5607.8	5678.2	6267.8	7353.5	9512.7	12737.7	13630.5	13071.6	12067.0	11961.3	11578.5
65°	3346.0	3342.9	4051.9	5491.4	8304.5	13180.3	16812.6	15769.8	13968.9	13354.9	12766.8
67.5°	2127.0	2122.4	2271.0	2909.6	5526.6	12096.1	18858.5	19129.6	16552.3	14379.3	12864.8
70°	1678.4	1676.8	1784.0	2075.0	2733.5	8607.7	18288.9	20164.8	18112.7	13988.8	11327.4
72.5°	1223.5	1226.6	1392.0	1738.1	2108.7	4321.5	14809.6	17253.7	16659.5	12348.8	9195.7
75°	879.0	883.6	983.1	1330.7	1944.8	2362.9	9848.1	12973.6	12674.9	9898.6	6326.0
77.5°	558.9	565.1	652.4	932.6	1571.2	1908.1	5970.7	9159.0	8433.1	5577.2	2249.5
80°	341.5	361.4	434.9	695.2	1255.7	1431.8	2984.6	4825.3	4223.4	1529.8	756.5
82.5°	176.1	191.4	261.9	430.3	865.2	1257.2	1689.1	2027.5	1307.8	640.1	402.7
85°	55.1	64.3	91.9	174.6	411.9	779.5	1117.9	1007.6	600.3	301.7	186.8
87.5°	13.8	13.8	15.3	15.3	16.8	35.2	215.9	228.2	159.3	94.9	76.6
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°	5791.5	5791.5	5791.5	5791.5	5791.5	5791.5	5791.5	5791.5	5791.5	5791.5	5791.5
2.5°	5751.7	5715.0	5699.7	5698.1	5659.9	5604.7	5568.0	5541.9	5526.6	5523.6	5523.6
5°	5649.1	5601.7	5538.9	5491.4	5388.8	5284.7	5197.4	5148.4	5091.7	5084.1	5082.5
7.5°	5512.8	5443.9	5324.5	5191.3	5012.1	4839.0	4692.0	4592.5	4493.0	4474.6	4468.5
10°	5365.8	5272.4	5068.8	4834.5	4566.5	4307.7	4082.6	3906.5	3790.1	3707.4	3692.1
12.5°	5220.4	5096.3	4797.7	4448.6	4081.0	3727.3	3388.9	3101.0	2892.7	2771.7	2750.3
15°	5084.1	4911.0	4502.2	4056.5	3578.8	3094.8	2615.5	2241.9	1949.4	1845.3	1820.8
17.5°	4960.0	4744.1	4215.8	3650.7	3055.0	2422.6	1877.4	1545.1	1373.6	1321.6	1309.3
20°	4836.0	4572.6	3924.8	3223.5	2499.2	1790.1	1372.1	1215.9	1151.6	1131.7	1125.5
22.5°	4702.8	4384.2	3607.8	2802.4	1937.2	1339.9	1122.5	1053.6	1033.7	1035.2	1033.7
25°	4569.5	4192.8	3275.5	2344.5	1442.5	1087.3	980.1	954.0	958.6	972.4	975.5
27.5°	4459.3	4022.8	2949.4	1842.2	1127.1	935.7	885.1	883.6	900.4	918.8	921.9
30°	4379.6	3871.2	2627.8	1416.5	928.0	831.5	811.6	820.8	840.7	854.5	859.1
32.5°	4323.0	3741.1	2284.8	1113.3	813.1	758.0	748.8	758.0	770.3	784.0	787.1
35°	4303.1	3646.1	1947.9	908.1	735.0	704.4	698.3	702.9	709.0	716.7	719.7
37.5°	4347.5	3598.7	1595.7	790.2	687.6	669.2	660.0	656.9	658.5	661.5	663.1
40°	4479.2	3620.1	1307.8	721.3	656.9	640.1	624.8	618.7	617.1	620.2	618.7
42.5°	4705.8	3710.4	1099.5	681.4	632.4	607.9	591.1	585.0	585.0	592.6	592.6
45°	5038.1	3888.1	949.4	652.4	611.0	580.4	562.0	558.9	565.1	577.3	578.8
47.5°	5525.1	4148.4	859.1	630.9	591.1	555.9	537.5	536.0	548.2	568.1	569.7
50°	6102.4	4523.6	810.1	615.6	577.3	536.0	517.6	519.1	532.9	554.3	558.9
52.5°	6797.6	5035.1	813.1	609.5	569.7	523.7	505.3	502.3	516.1	537.5	542.1
55°	7515.8	5656.8	872.9	611.0	558.9	517.6	493.1	482.4	494.6	509.9	511.5
57.5°	8306.0	6358.1	1021.4	607.9	545.2	511.5	482.4	457.9	465.5	474.7	479.3
60°	9197.3	7183.5	1341.5	614.1	539.0	497.7	460.9	428.8	427.2	433.4	434.9
62.5°	10388.6	8306.0	1701.3	624.8	552.8	480.8	428.8	395.1	389.0	392.0	393.6
65°	11299.8	8842.0	1588.0	615.6	581.9	468.6	398.1	362.9	350.7	347.6	347.6
67.5°	10929.2	8133.0	1105.6	591.1	595.7	470.1	373.6	329.2	313.9	306.3	304.7
70°	9299.9	6606.2	768.7	566.6	580.4	467.1	347.6	301.7	281.8	271.0	269.5
72.5°	7347.4	5044.3	621.7	517.6	526.8	421.1	309.3	271.0	254.2	240.4	240.4
75°	4728.8	3078.0	519.1	460.9	430.3	327.7	268.0	242.0	225.1	211.3	211.3
77.5°	1591.1	1142.4	402.7	390.5	321.6	246.5	225.1	208.3	194.5	182.2	180.7
80°	646.2	542.1	295.5	295.5	225.1	188.4	176.1	168.4	159.3	143.9	143.9
82.5°	375.2	329.2	206.7	179.2	150.1	130.2	122.5	114.9	114.9	104.1	104.1
85°	180.7	182.2	124.0	110.3	85.8	75.0	72.0	67.4	65.8	59.7	58.2
87.5°	98.0	99.5	62.8	49.0	33.7	29.1	24.5	23.0	21.4	19.9	19.9
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)