

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: P636221

Luminaire Tested: GWS-SA3F-735-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636221
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-SA3F-735-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23628.8 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

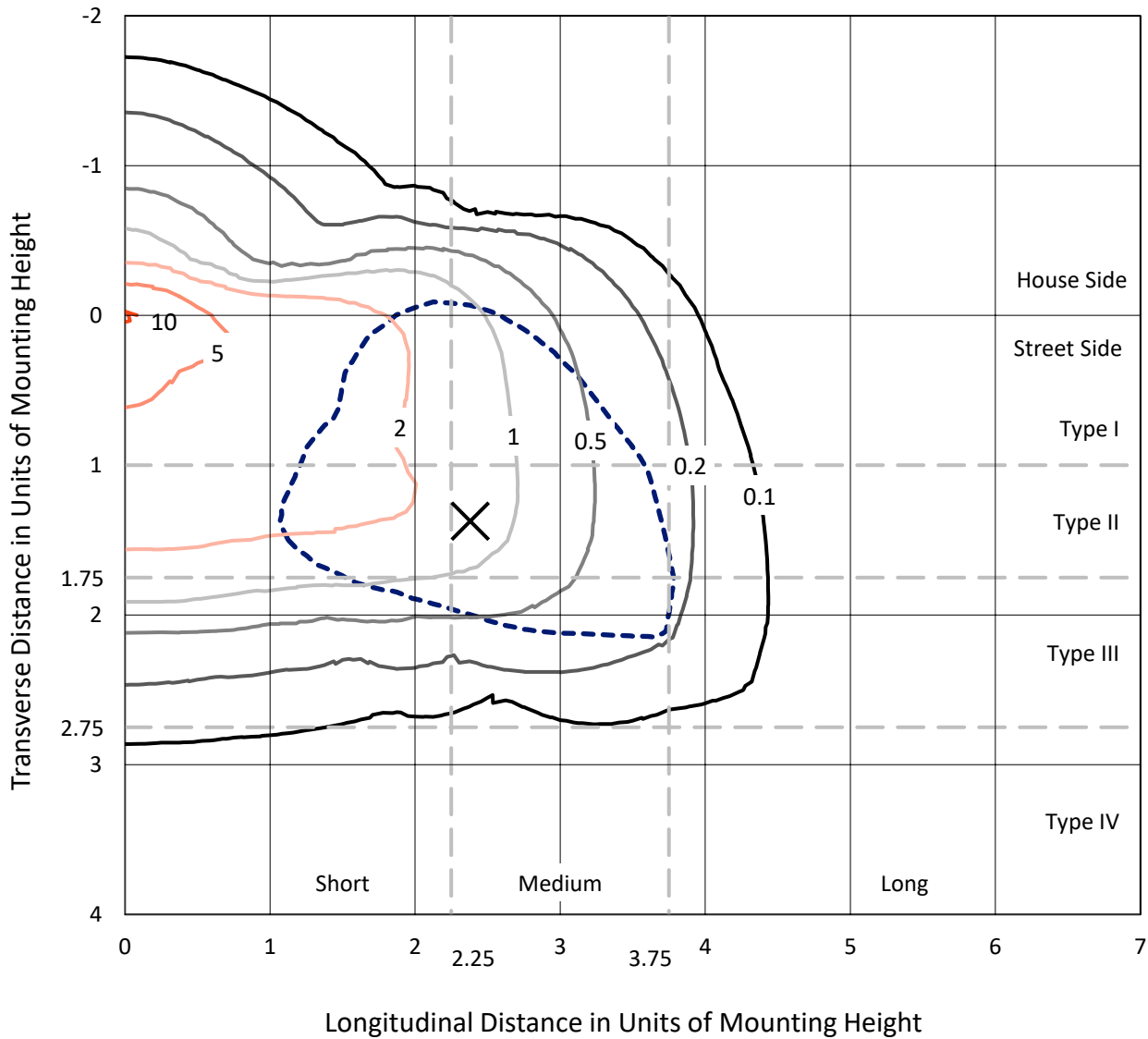
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

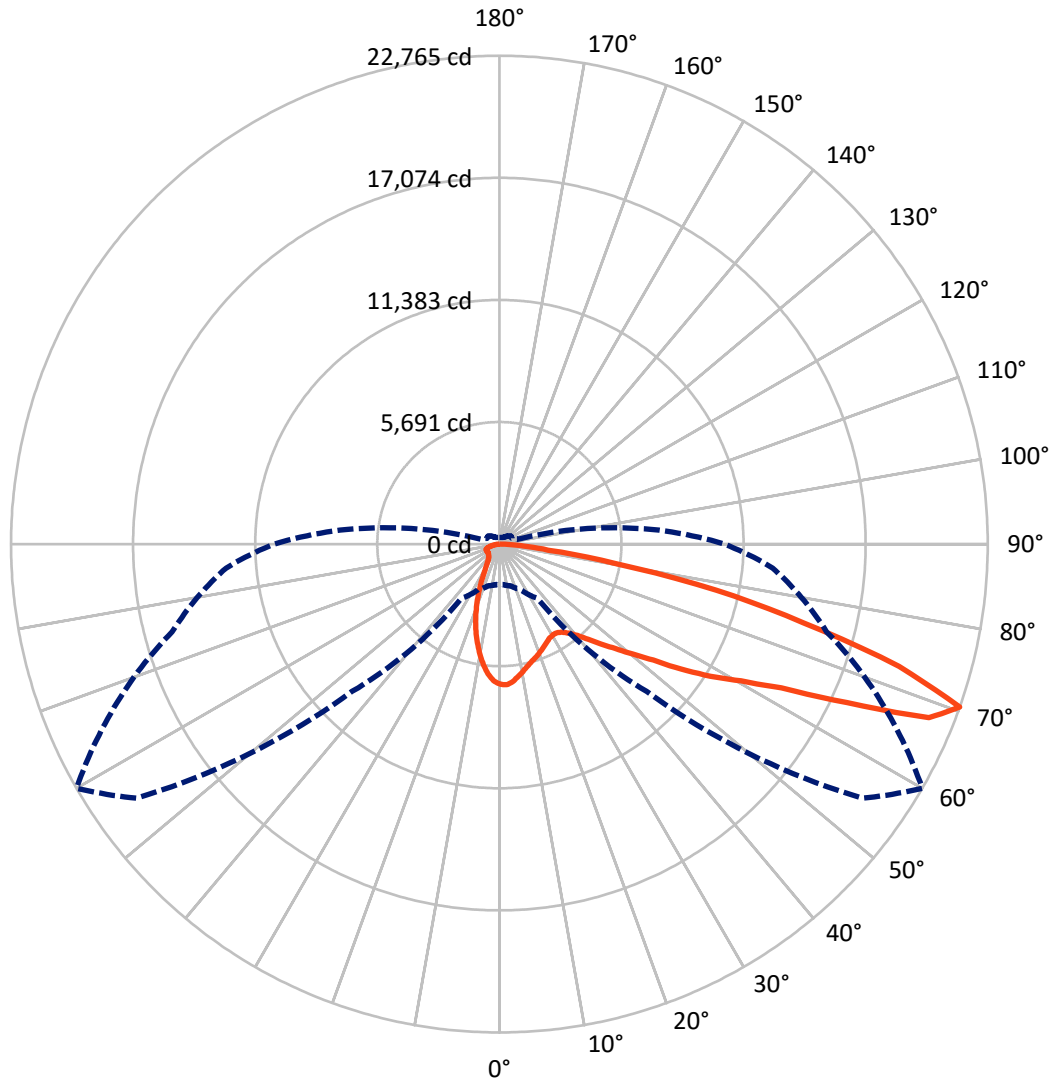
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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
House Side	Lumens	4041.1	0.0	4041.1
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	19587.7	0.0	19587.7
	% Fixture	82.9	0.0	82.9
Total	Lumens	23628.8	0.0	23628.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.6	2.4
10°-20°	1262.6	5.3
20°-30°	1617.0	6.8
30°-40°	2125.1	9.0
40°-50°	3083.2	13.0
50°-60°	4810.5	20.4
60°-70°	6297.9	26.7
70°-80°	3482.5	14.7
80°-90°	386.5	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°	23628.8	100.0
0°-180°	23628.8	100.0

Coefficient of Utilization



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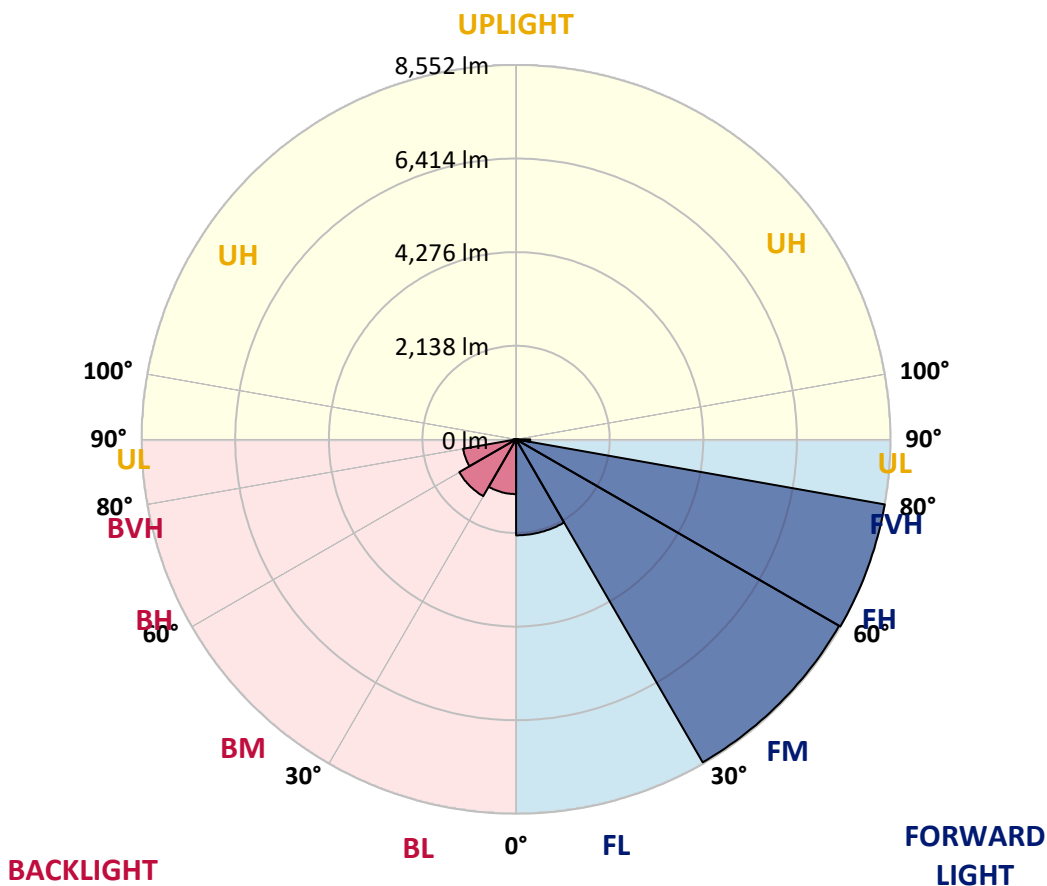
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2192.9	9.3			
FM (30°-60°)	8520.5	36.1			
FH (60°-80°)	8552.3	36.2			G4/12000
FVH (80°-90°)	322.0	1.4			G3/500
BL (0°-30°)	1250.3	5.3	B3/2500		
BM (30°-60°)	1498.3	6.3	B2/2500		
BH (60°-80°)	1228.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	64.4	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°	6538.4	6538.4	6538.4	6538.4	6538.4	6538.4	6538.4	6538.4	6538.4	6538.4	6538.4
2.5°	6446.8	6453.7	6472.7	6500.4	6528.0	6541.9	6576.4	6566.1	6559.1	6545.3	6528.0
5°	6161.5	6175.3	6192.6	6246.2	6306.7	6355.1	6432.9	6441.6	6445.0	6452.0	6424.3
7.5°	5798.5	5801.9	5843.4	5914.3	5993.8	6076.8	6206.5	6242.8	6273.9	6308.5	6286.0
10°	5397.4	5406.0	5437.1	5539.1	5675.7	5798.5	5973.1	6033.6	6099.3	6175.3	6144.2
12.5°	5068.9	5070.6	5120.8	5229.7	5378.4	5544.3	5762.2	5834.8	5921.2	6040.5	6012.8
15°	4807.8	4807.8	4854.5	4947.9	5119.0	5314.4	5573.7	5667.1	5784.6	5945.4	5897.0
17.5°	4600.4	4602.1	4631.5	4730.0	4882.2	5098.3	5406.0	5532.2	5661.9	5874.5	5801.9
20°	4491.5	4482.8	4488.0	4548.5	4678.2	4887.4	5238.3	5385.3	5559.9	5826.1	5715.5
22.5°	4486.3	4470.7	4448.3	4453.4	4529.5	4702.4	5058.5	5236.6	5456.2	5786.4	5627.3
25°	4574.5	4557.2	4517.4	4472.5	4465.5	4569.3	4889.1	5091.4	5349.0	5769.1	5542.6
27.5°	4723.1	4711.0	4659.2	4591.7	4520.9	4517.4	4761.2	4972.1	5271.2	5786.4	5482.1
30°	4920.2	4899.5	4866.6	4780.2	4673.0	4562.4	4711.0	4908.1	5219.3	5841.7	5456.2
32.5°	5143.2	5131.1	5100.0	5013.6	4899.5	4723.1	4750.8	4921.9	5219.3	5938.5	5461.3
35°	5380.1	5378.4	5378.4	5321.3	5195.1	4975.5	4908.1	5039.5	5298.8	6094.1	5516.7
37.5°	5610.0	5608.3	5663.6	5684.4	5540.9	5304.0	5176.1	5274.6	5473.4	6324.0	5653.2
40°	5796.7	5803.6	5924.7	6028.4	5948.9	5729.3	5549.5	5599.6	5757.0	6650.8	5891.8
42.5°	5985.2	6004.2	6185.7	6369.0	6400.1	6209.9	6028.4	6057.8	6163.2	7083.0	6248.0
45°	6190.9	6199.5	6453.7	6709.5	6860.0	6747.6	6598.9	6638.7	6662.9	7617.2	6778.7
47.5°	6389.7	6412.2	6740.7	7091.6	7376.9	7366.5	7283.5	7271.4	7276.6	8267.2	7406.3
50°	6661.1	6694.0	7079.5	7503.1	7921.5	8113.3	8137.6	8045.9	8007.9	8989.9	8187.7
52.5°	7176.3	7176.3	7522.1	7938.7	8500.6	8976.0	9138.5	8988.1	8867.1	9754.0	9017.5
55°	7821.2	7848.8	8123.7	8460.8	9173.1	9883.7	10433.4	10267.5	9925.2	10585.6	9887.1
57.5°	8108.2	8142.7	8578.4	9102.2	10053.1	10915.8	11678.2	11619.4	11119.8	11450.0	10789.6
60°	7589.5	7662.1	8262.0	9140.3	10850.1	12580.6	13118.3	12947.1	12233.1	12357.6	11768.1
62.5°	6330.9	6410.5	7076.1	8301.8	10739.4	14380.3	15388.2	14757.2	13623.1	13503.8	13071.6
65°	3777.5	3774.0	4574.5	6199.5	9375.4	14879.9	18980.7	17803.4	15770.3	15077.0	14413.2
67.5°	2401.3	2396.1	2563.8	3284.8	6239.3	13655.9	21290.4	21596.4	18686.8	16233.6	14523.8
70°	1894.8	1893.1	2014.1	2342.6	3085.9	9717.7	20647.3	22765.1	20448.5	15792.8	12788.1
72.5°	1381.3	1384.8	1571.5	1962.2	2380.6	4878.7	16719.4	19478.6	18807.8	13941.2	10381.6
75°	992.3	997.5	1109.9	1502.3	2195.6	2667.6	11118.0	14646.6	14309.4	11175.1	7141.8
77.5°	631.0	637.9	736.5	1052.9	1773.8	2154.1	6740.7	10340.1	9520.6	6296.4	2539.6
80°	385.5	408.0	491.0	784.9	1417.6	1616.4	3369.5	5447.5	4768.1	1727.1	854.0
82.5°	198.8	216.1	295.6	485.8	976.8	1419.4	1906.9	2289.0	1476.4	722.6	454.7
85°	62.2	72.6	103.7	197.1	465.1	880.0	1262.0	1137.6	677.7	340.6	210.9
87.5°	15.6	15.6	17.3	17.3	19.0	39.8	243.8	257.6	179.8	107.2	86.4
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°	6538.4	6538.4	6538.4	6538.4	6538.4	6538.4	6538.4	6538.4	6538.4	6538.4	6538.4
2.5°	6493.4	6452.0	6434.7	6432.9	6389.7	6327.5	6286.0	6256.6	6239.3	6235.9	6235.9
5°	6377.6	6324.0	6253.1	6199.5	6083.7	5966.2	5867.6	5812.3	5748.3	5739.7	5738.0
7.5°	6223.7	6146.0	6011.1	5860.7	5658.4	5463.1	5297.1	5184.7	5072.4	5051.6	5044.7
10°	6057.8	5952.3	5722.4	5457.9	5155.3	4863.2	4609.0	4410.2	4278.8	4185.5	4168.2
12.5°	5893.5	5753.5	5416.4	5022.2	4607.3	4207.9	3825.9	3500.9	3265.7	3129.2	3105.0
15°	5739.7	5544.3	5082.7	4579.6	4040.3	3493.9	2952.8	2531.0	2200.8	2083.2	2055.6
17.5°	5599.6	5355.9	4759.4	4121.5	3449.0	2735.0	2119.5	1744.4	1550.8	1492.0	1478.1
20°	5459.6	5162.3	4431.0	3639.2	2821.4	2021.0	1549.0	1372.7	1300.1	1277.6	1270.7
22.5°	5309.2	4949.6	4073.1	3163.7	2187.0	1512.7	1267.2	1189.4	1167.0	1168.7	1167.0
25°	5158.8	4733.5	3697.9	2646.8	1628.5	1227.5	1106.4	1077.1	1082.2	1097.8	1101.3
27.5°	5034.3	4541.6	3329.7	2079.8	1272.4	1056.3	999.3	997.5	1016.5	1037.3	1040.7
30°	4944.4	4370.5	2966.7	1599.2	1047.7	938.7	916.3	926.6	949.1	964.7	969.9
32.5°	4880.5	4223.5	2579.4	1256.9	918.0	855.8	845.4	855.8	869.6	885.2	888.6
35°	4858.0	4116.3	2199.1	1025.2	829.8	795.3	788.3	793.5	800.4	809.1	812.5
37.5°	4908.1	4062.7	1801.4	892.1	776.2	755.5	745.1	741.7	743.4	746.8	748.6
40°	5056.8	4086.9	1476.4	814.3	741.7	722.6	705.4	698.4	696.7	700.2	698.4
42.5°	5312.7	4188.9	1241.3	769.3	714.0	686.3	667.3	660.4	660.4	669.1	669.1
45°	5687.8	4389.5	1071.9	736.5	689.8	655.2	634.5	631.0	637.9	651.8	653.5
47.5°	6237.6	4683.4	969.9	712.3	667.3	627.6	606.8	605.1	618.9	641.4	643.1
50°	6889.3	5106.9	914.5	695.0	651.8	605.1	584.3	586.1	601.6	625.8	631.0
52.5°	7674.2	5684.4	918.0	688.1	643.1	591.3	570.5	567.1	582.6	606.8	612.0
55°	8485.0	6386.3	985.4	689.8	631.0	584.3	556.7	544.6	558.4	575.7	577.4
57.5°	9377.1	7178.1	1153.1	686.3	615.5	577.4	544.6	516.9	525.6	535.9	541.1
60°	10383.3	8109.9	1514.4	693.3	608.5	561.9	520.4	484.1	482.3	489.3	491.0
62.5°	11728.3	9377.1	1920.7	705.4	624.1	542.8	484.1	446.0	439.1	442.6	444.3
65°	12757.0	9982.2	1792.8	695.0	657.0	529.0	449.5	409.7	395.9	392.4	392.4
67.5°	12338.6	9181.8	1248.2	667.3	672.5	530.7	421.8	371.7	354.4	345.8	344.0
70°	10499.1	7458.1	867.9	639.7	655.2	527.3	392.4	340.6	318.1	306.0	304.3
72.5°	8294.9	5694.7	701.9	584.3	594.7	475.4	349.2	306.0	287.0	271.4	271.4
75°	5338.6	3474.9	586.1	520.4	485.8	370.0	302.5	273.2	254.1	238.6	238.6
77.5°	1796.2	1289.7	454.7	440.8	363.1	278.3	254.1	235.1	219.6	205.7	204.0
80°	729.6	612.0	333.7	333.7	254.1	212.6	198.8	190.2	179.8	162.5	162.5
82.5°	423.6	371.7	233.4	202.3	169.4	146.9	138.3	129.7	129.7	117.6	117.6
85°	204.0	205.7	140.0	124.5	96.8	84.7	81.3	76.1	74.3	67.4	65.7
87.5°	110.6	112.4	70.9	55.3	38.0	32.8	27.7	25.9	24.2	22.5	22.5
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)