

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: P636382

Luminaire Tested: GWS-SA3F-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24241 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

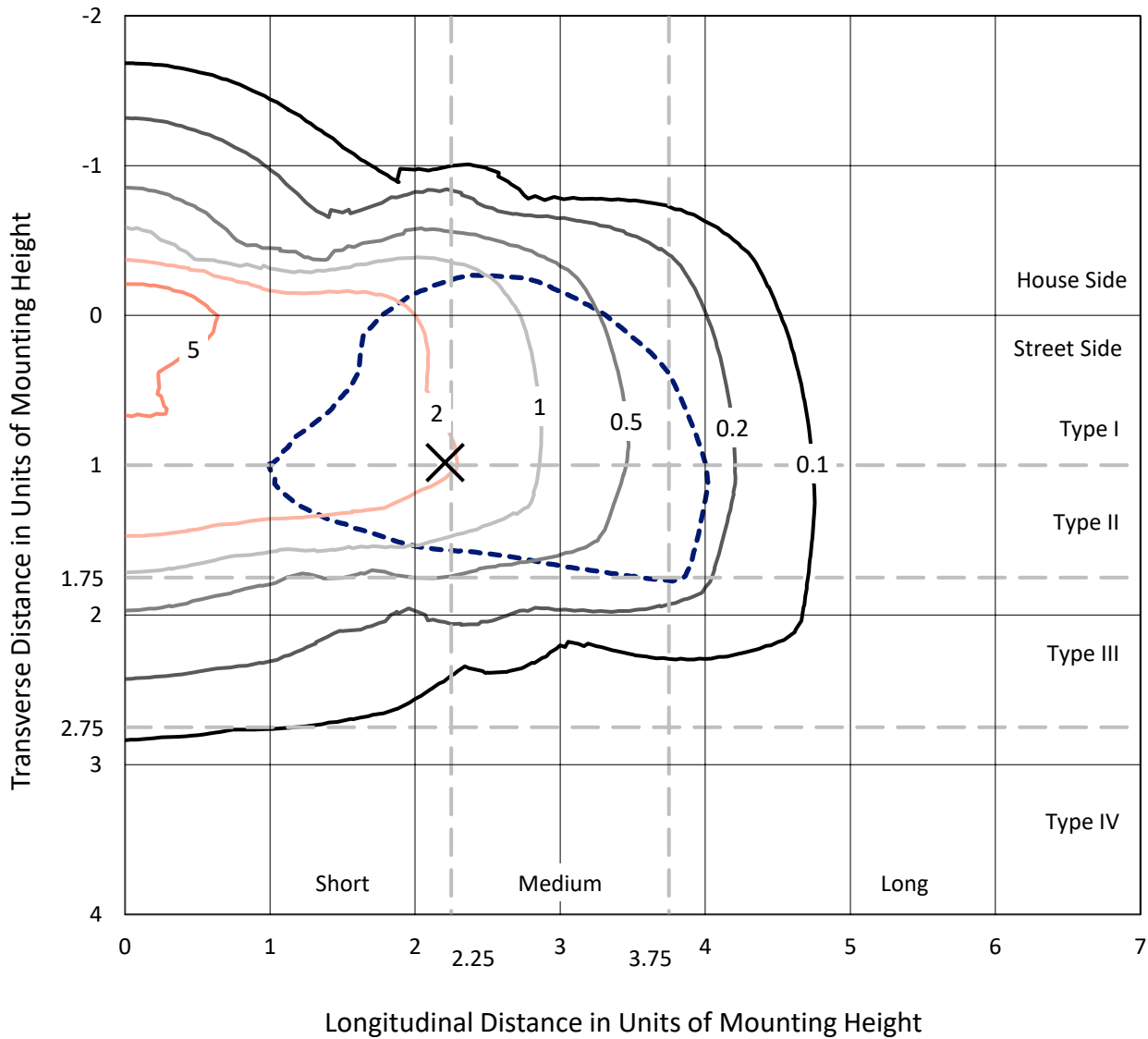
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

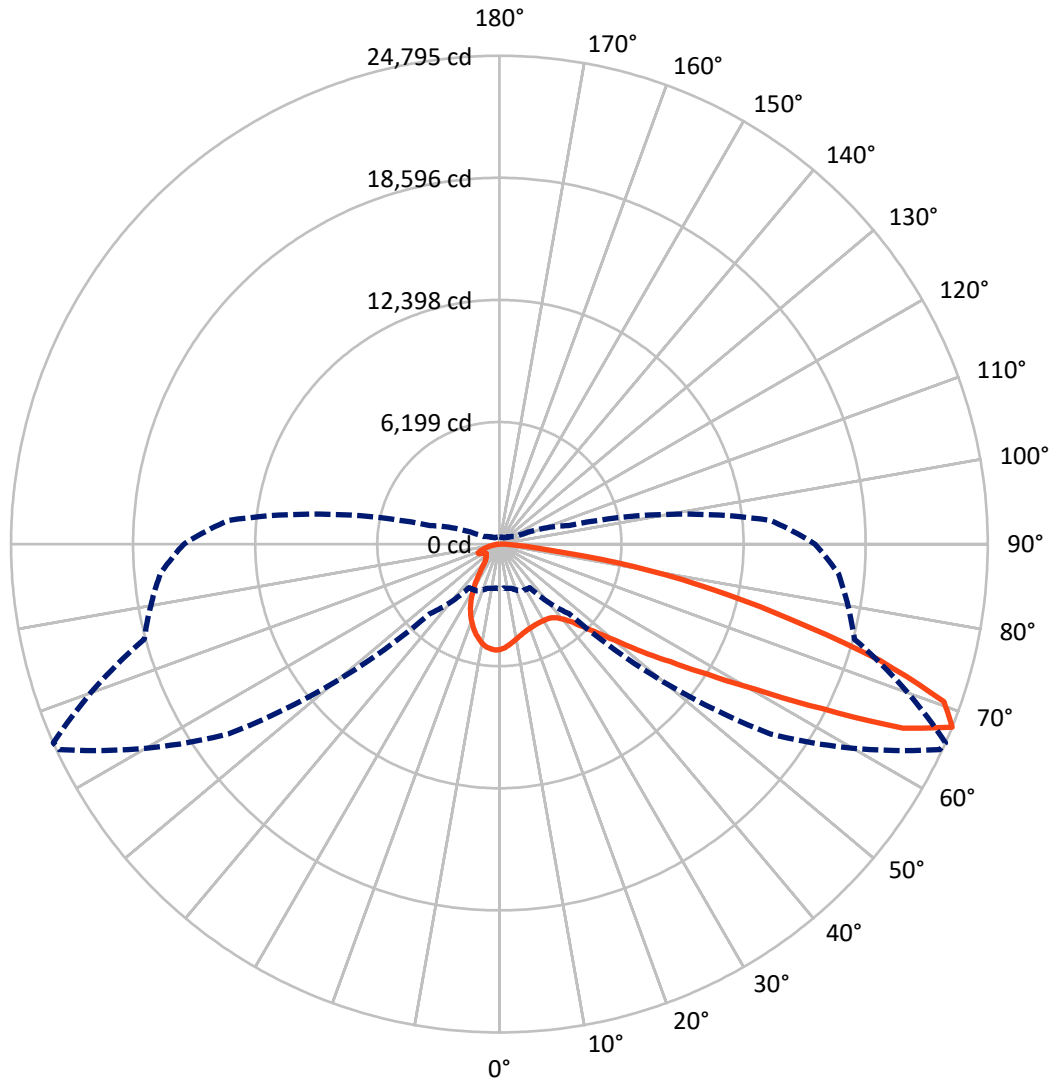
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4919.1	0.0	4919.1
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	19321.9	0.0	19321.9
	% Fixture	79.7	0.0	79.7
Total	Lumens	24241.0	0.0	24241.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.1	1.9
10°-20°	1155.3	4.8
20°-30°	1588.1	6.6
30°-40°	2171.1	9.0
40°-50°	3289.8	13.6
50°-60°	5114.1	21.1
60°-70°	6226.4	25.7
70°-80°	3792.8	15.6
80°-90°	433.2	1.8
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°	24241.0	100.0
0°-180°	24241.0	100.0

Coefficient of Utilization



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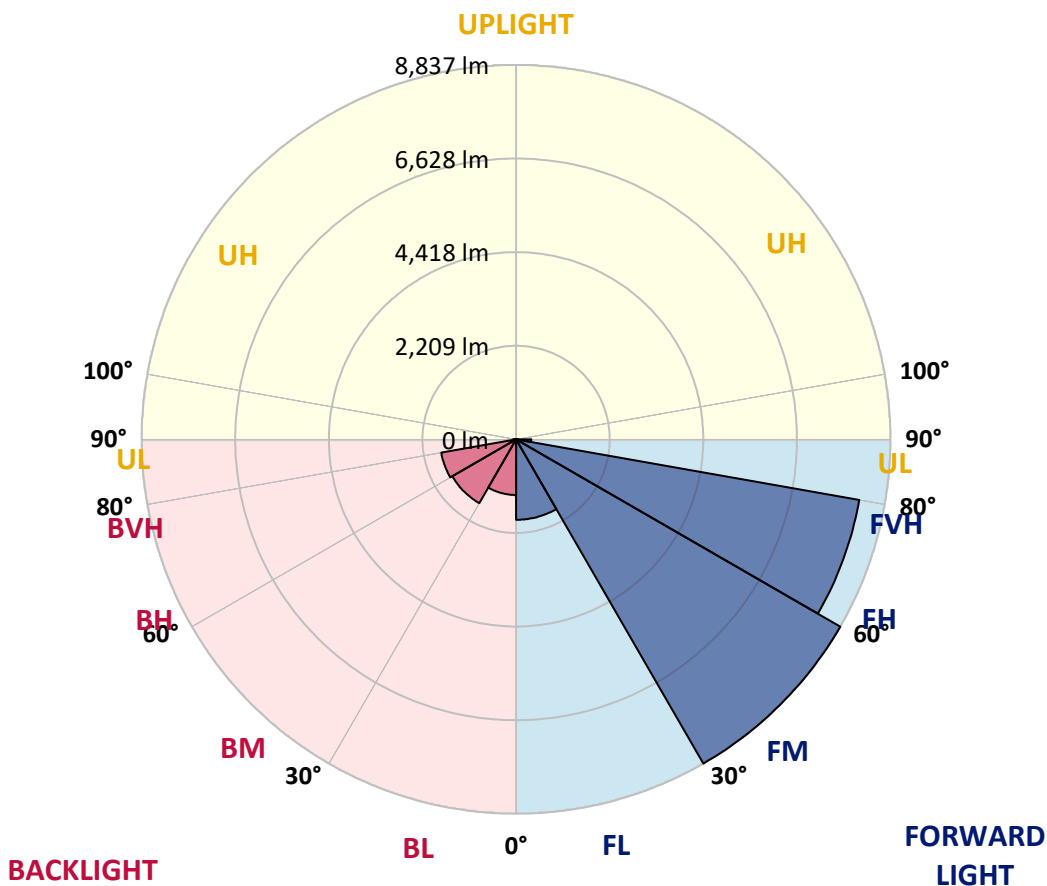
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1899.4	7.8			
FM (30°-60°)	8836.8	36.5			
FH (60°-80°)	8225.6	33.9			G4/12000
FVH (80°-90°)	360.2	1.5			G3/500
BL (0°-30°)	1314.1	5.4	B3/2500		
BM (30°-60°)	1738.3	7.2	B2/2500		
BH (60°-80°)	1793.6	7.4	B3/2500		G3/2500
BVH (80°-90°)	73.0	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5356.6	5356.6	5356.6	5356.6	5356.6	5356.6	5356.6	5356.6	5356.6	5356.6	5356.6
2.5°	5017.0	5034.7	5024.1	5091.3	5094.8	5179.7	5227.5	5268.2	5271.7	5324.7	5360.1
5°	4674.0	4684.6	4684.6	4748.2	4790.7	4903.9	5013.5	5130.2	5139.1	5266.4	5363.6
7.5°	4396.3	4406.9	4399.9	4484.7	4539.6	4665.1	4804.8	4983.4	5001.1	5206.3	5376.0
10°	4178.8	4175.3	4192.9	4270.8	4341.5	4491.8	4647.4	4850.8	4877.3	5137.3	5390.2
12.5°	4030.3	4033.8	4044.4	4125.7	4201.8	4350.3	4511.3	4732.3	4760.6	5057.7	5383.1
15°	3959.5	3952.4	3961.3	4035.6	4108.1	4238.9	4405.2	4633.3	4661.6	4987.0	5384.9
17.5°	3943.6	3938.3	3936.5	3989.6	4044.4	4166.4	4325.6	4557.2	4587.3	4941.0	5395.5
20°	3993.1	3986.0	3966.6	3989.6	4012.6	4115.1	4269.0	4502.4	4536.0	4910.9	5416.7
22.5°	4129.3	4116.9	4086.8	4058.5	4028.5	4090.4	4233.6	4461.7	4495.3	4891.5	5437.9
25°	4336.2	4325.6	4293.7	4230.1	4120.4	4109.8	4226.5	4444.1	4477.7	4877.3	5446.8
27.5°	4620.9	4605.0	4573.2	4481.2	4302.6	4182.3	4253.1	4442.3	4474.1	4861.4	5437.9
30°	4958.7	4948.1	4930.4	4819.0	4580.2	4336.2	4313.2	4456.4	4481.2	4852.6	5420.2
32.5°	5301.8	5291.1	5305.3	5252.2	4958.7	4590.8	4444.1	4495.3	4513.0	4850.8	5404.3
35°	5604.2	5616.5	5719.1	5727.9	5439.7	4935.7	4651.0	4585.5	4589.1	4886.2	5411.4
37.5°	5920.7	5968.4	6102.9	6217.8	5977.3	5391.9	4958.7	4755.3	4751.8	4976.4	5455.6
40°	6339.8	6361.0	6532.6	6748.3	6598.0	6018.0	5395.5	5033.0	5008.2	5160.3	5574.1
42.5°	6748.3	6799.6	7073.7	7321.3	7271.8	6723.6	5945.5	5448.5	5404.3	5485.7	5818.1
45°	7268.2	7317.8	7625.5	7943.8	8034.0	7521.1	6649.3	6039.2	5995.0	5975.5	6265.5
47.5°	7788.2	7839.4	8115.3	8575.1	8891.7	8518.5	7565.3	6819.1	6746.6	6670.5	6941.1
50°	8138.3	8198.4	8461.9	9013.7	9756.4	9763.5	8651.2	7841.2	7749.3	7629.0	7892.5
52.5°	8125.9	8164.8	8416.0	9052.6	10378.9	11194.2	10104.8	9142.8	9068.5	8806.8	9036.7
55°	7487.5	7545.9	7798.8	8594.6	10446.1	12550.5	12241.1	10677.8	10545.1	10076.5	10329.4
57.5°	6205.4	6254.9	6509.6	7491.1	9850.2	13245.5	14953.8	12633.7	12451.5	11459.4	11751.2
60°	4684.6	4624.4	4744.7	5604.2	8424.8	13263.2	17348.3	15286.3	14982.1	12937.8	13181.9
62.5°	3515.6	3455.5	3482.0	3724.3	5712.0	12191.6	18713.5	18915.1	18412.9	14607.2	14559.5
65°	2778.2	2744.6	2820.6	2986.9	3330.0	9284.3	18724.1	22839.3	22522.7	16541.9	15972.5
67.5°	2263.6	2242.4	2320.2	2627.9	2700.4	4988.7	16789.5	24671.4	24795.1	18660.5	17282.9
70°	1823.3	1791.4	1913.4	2318.4	2511.2	3018.7	12027.1	23737.6	23937.5	19923.1	16913.3
72.5°	1259.1	1260.9	1322.8	1878.1	2424.5	2606.7	6803.1	19765.7	20199.0	18779.0	14869.0
75°	848.8	855.9	873.6	1239.7	2233.5	2528.9	3625.3	14964.4	15270.4	15521.5	12290.6
77.5°	512.8	516.4	557.1	749.8	1540.3	2360.9	2456.3	10847.5	11088.1	10232.1	7618.4
80°	297.1	309.5	346.6	502.2	1039.8	1773.7	1901.1	6651.1	6923.4	4548.4	2421.0
82.5°	130.9	139.7	189.2	291.8	606.6	1508.5	1483.7	2627.9	2589.0	1268.0	840.0
85°	23.0	28.3	40.7	92.0	222.8	795.8	1151.2	1160.1	1091.1	481.0	348.4
87.5°	0.0	0.0	0.0	0.0	0.0	5.3	173.3	311.2	309.5	136.2	120.3
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°	5356.6	5356.6	5356.6	5356.6	5356.6	5356.6	5356.6	5356.6	5356.6	5356.6	5356.6
2.5°	5383.1	5335.4	5377.8	5383.1	5374.3	5367.2	5314.1	5268.2	5262.8	5213.3	5213.3
5°	5402.6	5358.3	5379.6	5338.9	5275.2	5209.8	5096.6	5018.8	4983.4	4919.8	4919.8
7.5°	5429.1	5383.1	5358.3	5257.5	5109.0	4965.7	4783.6	4631.5	4569.6	4479.4	4475.9
10°	5453.8	5395.5	5310.6	5114.3	4877.3	4649.2	4383.9	4168.2	4021.4	3913.5	3913.5
12.5°	5452.1	5376.0	5208.0	4918.0	4590.8	4260.1	3906.5	3581.1	3386.5	3218.5	3207.9
15°	5448.5	5344.2	5077.2	4689.9	4256.6	3798.6	3317.6	2893.2	2604.9	2440.4	2426.3
17.5°	5445.0	5303.5	4930.4	4429.9	3849.9	3225.6	2590.7	2131.0	1890.5	1789.7	1793.2
20°	5445.0	5257.5	4773.0	4131.1	3381.2	2539.5	1901.1	1566.8	1506.7	1512.0	1517.3
22.5°	5429.1	5201.0	4597.9	3805.7	2859.6	1867.5	1402.4	1289.2	1321.0	1370.5	1377.6
25°	5391.9	5107.2	4394.5	3444.9	2238.8	1359.9	1144.2	1123.0	1181.3	1243.2	1260.9
27.5°	5333.6	4999.4	4166.4	3022.2	1648.2	1092.9	1006.2	1004.5	1050.4	1096.4	1112.3
30°	5271.7	4879.1	3925.9	2551.8	1193.7	951.4	917.8	917.8	940.8	969.1	965.6
32.5°	5199.2	4757.1	3667.7	2062.0	972.6	871.8	861.2	855.9	859.5	870.1	870.1
35°	5137.3	4649.2	3402.5	1543.8	871.8	827.6	817.0	804.6	799.3	792.3	795.8
37.5°	5114.3	4564.3	3128.4	1163.6	822.3	795.8	778.1	760.4	748.0	744.5	742.7
40°	5151.4	4528.9	2854.2	958.5	787.0	762.2	742.7	719.8	709.1	709.1	709.1
42.5°	5296.4	4555.5	2574.8	866.5	762.2	733.9	705.6	684.4	680.8	684.4	686.2
45°	5561.7	4658.0	2284.8	820.6	741.0	705.6	672.0	656.1	656.1	659.6	659.6
47.5°	6035.6	4926.8	1998.3	792.3	719.8	682.6	647.2	631.3	629.6	633.1	633.1
50°	6856.2	5411.4	1740.1	772.8	703.8	664.9	629.6	608.3	603.0	601.3	601.3
52.5°	7890.7	6251.4	1575.7	758.7	684.4	645.5	610.1	581.8	571.2	565.9	565.9
55°	9141.0	7370.8	1575.7	748.0	659.6	622.5	581.8	553.5	537.6	530.5	530.5
57.5°	10557.5	8674.1	1848.0	739.2	640.2	596.0	551.7	523.5	505.8	495.2	495.2
60°	11998.8	10051.8	2521.8	726.8	622.5	562.4	518.1	491.6	468.6	456.3	454.5
62.5°	13493.1	11569.1	3409.5	733.9	610.1	530.5	482.8	452.7	433.3	420.9	419.1
65°	14861.9	13013.9	4185.9	788.7	611.9	502.2	442.1	415.6	399.7	383.7	382.0
67.5°	16023.7	13811.4	3641.2	900.1	649.0	468.6	401.4	374.9	360.8	350.1	348.4
70°	15210.3	12594.8	2065.5	969.1	700.3	433.3	355.5	337.8	323.6	316.5	314.8
72.5°	13006.8	10663.6	1381.1	855.9	638.4	387.3	313.0	298.9	288.3	279.4	277.6
75°	10536.3	8456.6	1055.8	702.1	496.9	314.8	268.8	258.2	247.6	238.7	237.0
77.5°	6233.7	4886.2	778.1	555.3	350.1	245.8	222.8	214.0	203.4	196.3	194.5
80°	1989.5	1697.7	493.4	382.0	231.7	189.2	171.5	164.5	153.9	145.0	143.2
82.5°	758.7	656.1	261.7	194.5	153.9	129.1	114.9	107.9	100.8	92.0	90.2
85°	336.0	314.8	145.0	104.3	83.1	63.7	56.6	53.1	44.2	37.1	35.4
87.5°	118.5	118.5	61.9	30.1	17.7	8.8	5.3	1.8	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)