

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: P642487

Luminaire Tested: GWS-SA6D-722-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642487
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-SA6D-722-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25929.3 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

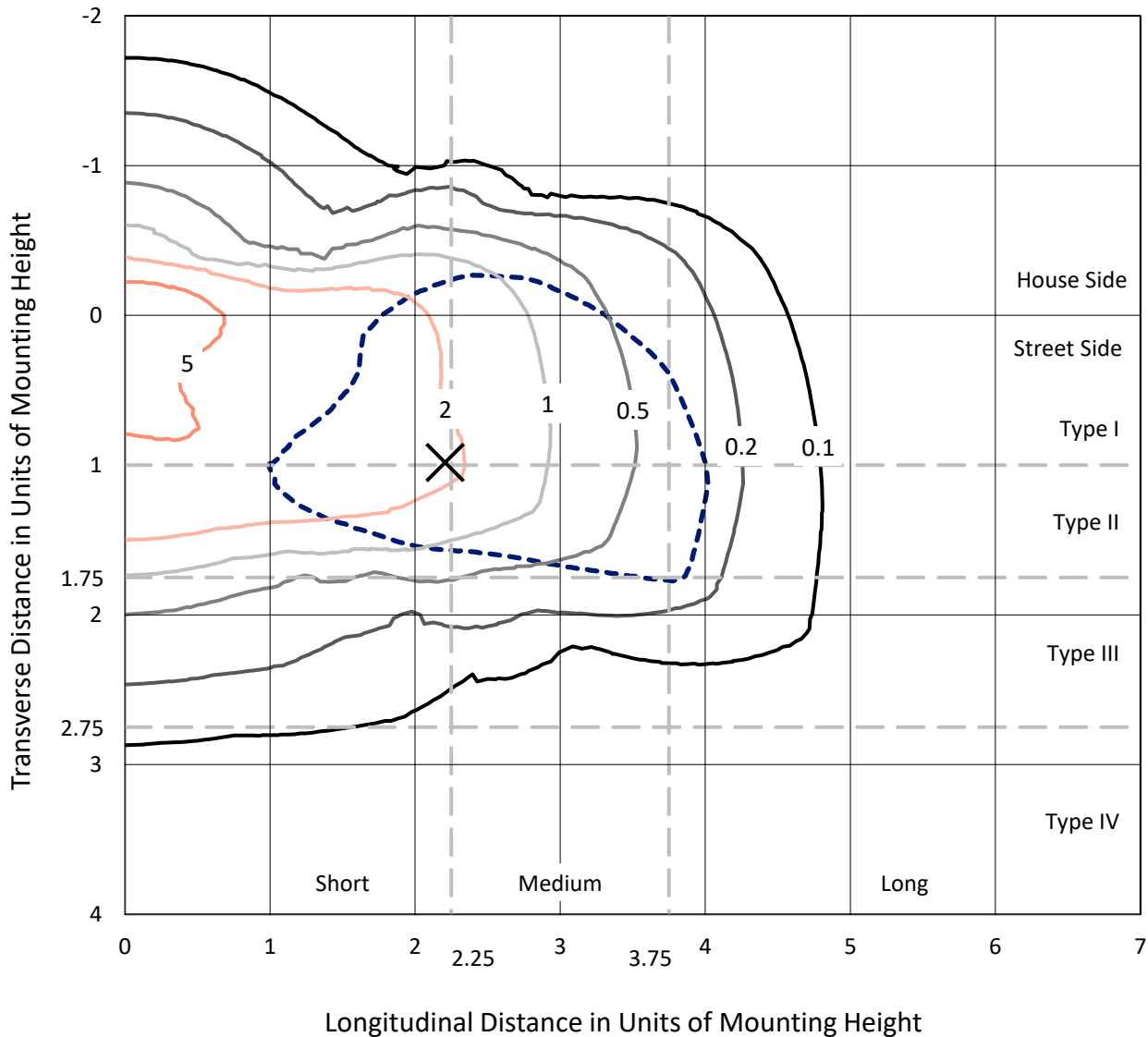
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

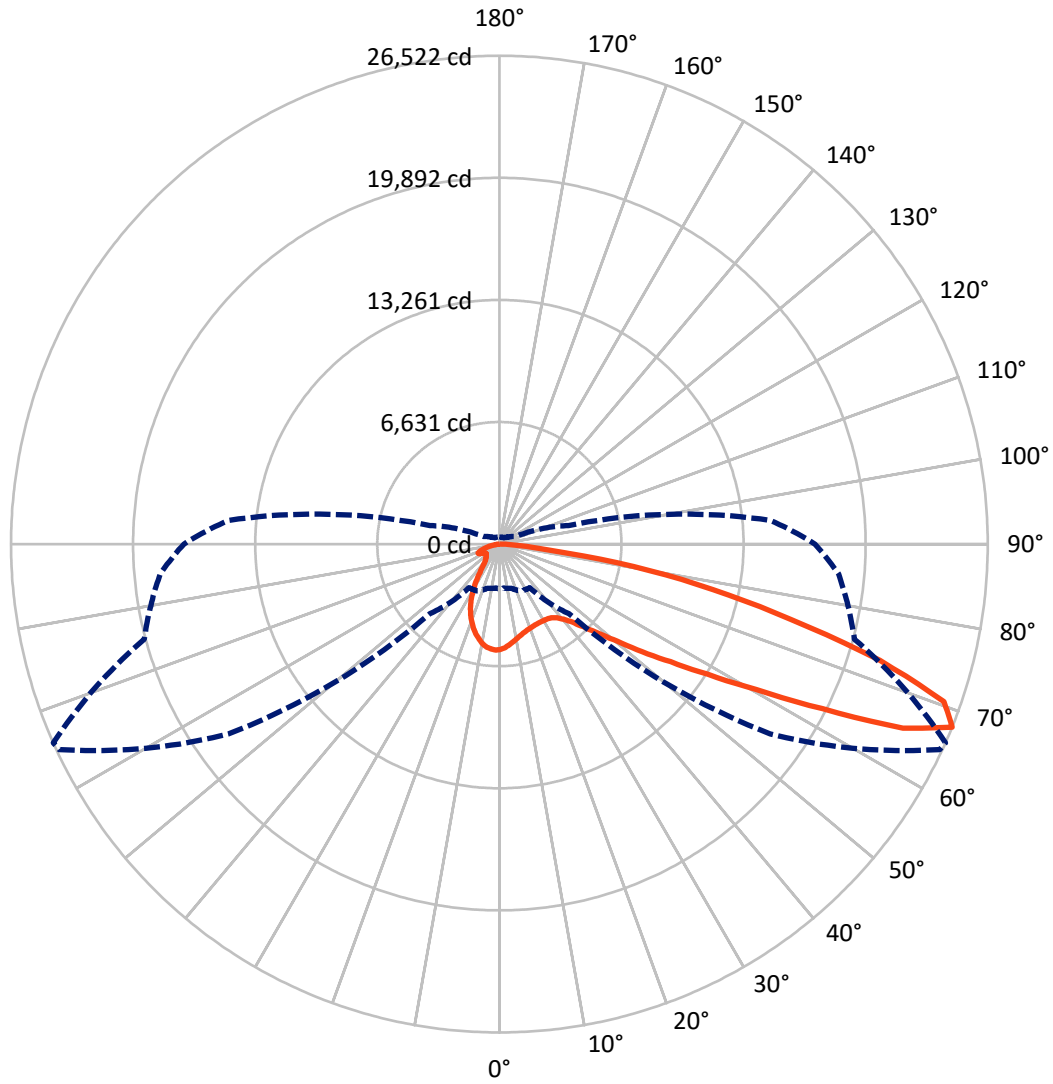
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	5261.7	0.0	5261.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	20667.6	0.0	20667.6
	% Fixture	79.7	0.0	79.7
Total	Lumens	25929.3	0.0	25929.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.8	1.9
10°-20°	1235.8	4.8
20°-30°	1698.7	6.6
30°-40°	2322.3	9.0
40°-50°	3519.0	13.6
50°-60°	5470.3	21.1
60°-70°	6660.0	25.7
70°-80°	4057.0	15.6
80°-90°	463.4	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°	25929.3	100.0
0°-180°	25929.3	100.0

Coefficient of Utilization



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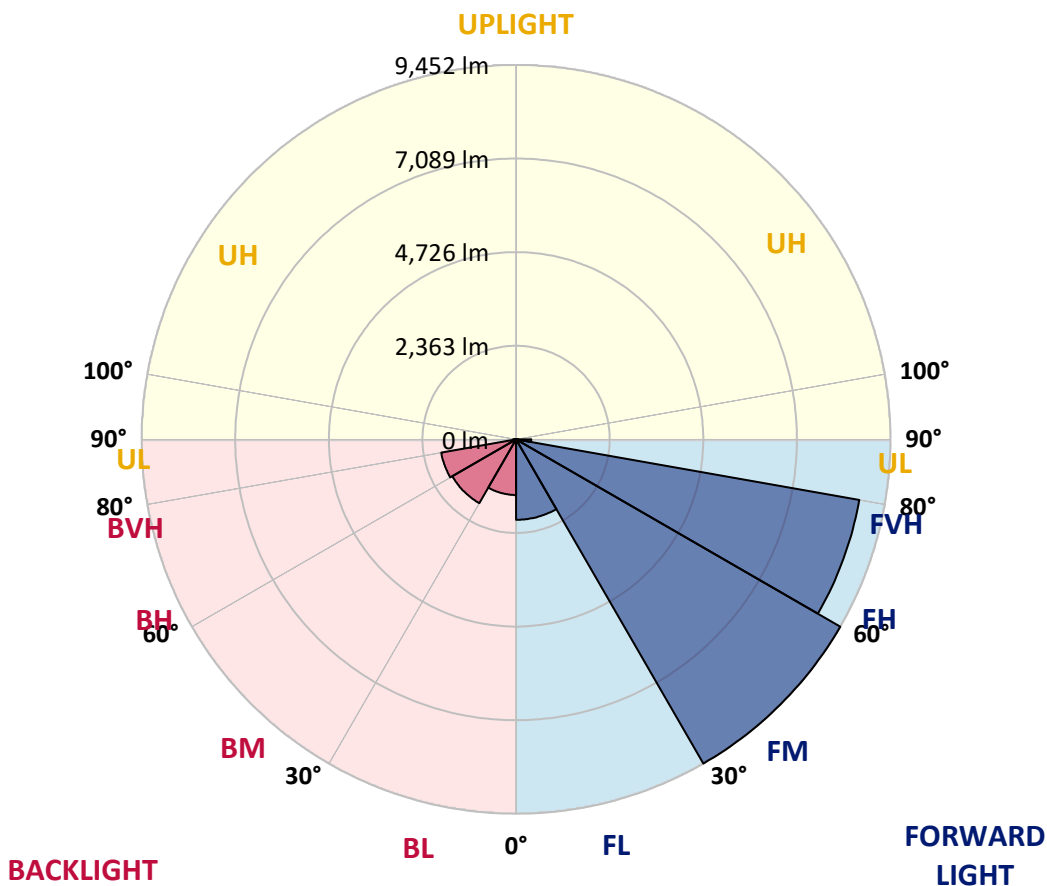
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2031.7	7.8			
FM (30°-60°)	9452.2	36.5			
FH (60°-80°)	8798.5	33.9			G4/12000
FVH (80°-90°)	385.3	1.5			G3/500
BL (0°-30°)	1405.6	5.4	B3/2500		
BM (30°-60°)	1859.4	7.2	B2/2500		
BH (60°-80°)	1918.5	7.4	B3/2500		G3/2500
BVH (80°-90°)	78.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5729.6	5729.6	5729.6	5729.6	5729.6	5729.6	5729.6	5729.6	5729.6	5729.6	5729.6
2.5°	5366.5	5385.4	5374.0	5445.9	5449.7	5540.5	5591.6	5635.1	5638.8	5695.6	5733.4
5°	4999.5	5010.8	5010.8	5078.9	5124.3	5245.4	5362.7	5487.5	5497.0	5633.2	5737.2
7.5°	4702.5	4713.9	4706.3	4797.1	4855.7	4990.0	5139.5	5330.5	5349.4	5568.9	5750.4
10°	4469.8	4466.1	4485.0	4568.2	4643.9	4804.6	4971.1	5188.6	5217.0	5495.1	5765.6
12.5°	4310.9	4314.7	4326.1	4413.1	4494.4	4653.3	4825.5	5061.9	5092.2	5410.0	5758.0
15°	4235.3	4227.7	4237.2	4316.6	4394.2	4534.2	4712.0	4956.0	4986.2	5334.3	5759.9
17.5°	4218.3	4212.6	4210.7	4267.4	4326.1	4456.6	4626.8	4874.6	4906.8	5285.1	5771.3
20°	4271.2	4263.7	4242.8	4267.4	4292.0	4401.7	4566.3	4816.0	4851.9	5253.0	5794.0
22.5°	4416.9	4403.6	4371.5	4341.2	4309.1	4375.3	4528.5	4772.5	4808.4	5232.1	5816.7
25°	4638.2	4626.8	4592.8	4524.7	4407.4	4396.1	4520.9	4753.6	4789.5	5217.0	5826.1
27.5°	4942.7	4925.7	4891.7	4793.3	4602.2	4473.6	4549.3	4751.7	4785.7	5200.0	5816.7
30°	5304.0	5292.7	5273.8	5154.6	4899.2	4638.2	4613.6	4766.8	4793.3	5190.5	5797.7
32.5°	5671.0	5659.7	5674.8	5618.0	5304.0	4910.6	4753.6	4808.4	4827.3	5188.6	5780.7
35°	5994.5	6007.7	6117.4	6126.9	5818.5	5279.4	4974.9	4904.9	4908.7	5226.5	5788.3
37.5°	6333.1	6384.1	6527.9	6650.8	6393.6	5767.5	5304.0	5086.5	5082.7	5322.9	5835.6
40°	6781.4	6804.1	6987.5	7218.3	7057.5	6437.1	5771.3	5383.5	5357.0	5519.7	5962.3
42.5°	7218.3	7273.2	7566.4	7831.2	7778.2	7191.8	6359.5	5828.0	5780.7	5867.7	6223.3
45°	7774.5	7827.4	8156.6	8497.0	8593.5	8045.0	7112.4	6459.8	6412.5	6391.7	6701.9
47.5°	8330.6	8385.4	8680.5	9172.3	9510.9	9111.8	8092.2	7294.0	7216.4	7135.1	7424.5
50°	8705.1	8769.4	9051.3	9641.5	10435.9	10443.5	9253.7	8387.3	8289.0	8160.3	8442.2
52.5°	8691.9	8733.5	9002.1	9683.1	11101.8	11973.8	10808.6	9779.5	9700.1	9420.1	9666.0
55°	8009.0	8071.4	8341.9	9193.1	11173.6	13424.6	13093.6	11421.4	11279.6	10778.3	11048.8
57.5°	6637.6	6690.6	6963.0	8012.8	10536.2	14168.0	15995.3	13513.5	13318.7	12257.5	12569.6
60°	5010.8	4946.5	5075.1	5994.5	9011.6	14187.0	18556.5	16350.9	16025.6	13838.9	14099.9
62.5°	3760.5	3696.2	3724.5	3983.7	6109.8	13040.7	20016.9	20232.5	19695.3	15624.6	15573.5
65°	2971.7	2935.8	3017.1	3194.9	3561.9	9930.9	20028.2	24429.9	24091.3	17694.0	17084.9
67.5°	2421.2	2398.5	2481.8	2810.9	2888.5	5336.2	17958.8	26389.6	26522.0	19960.1	18486.6
70°	1950.2	1916.2	2046.7	2479.9	2686.1	3229.0	12864.7	25390.9	25604.6	21310.7	18091.2
72.5°	1346.8	1348.7	1414.9	2008.9	2593.4	2788.2	7277.0	21142.3	21605.8	20086.8	15904.5
75°	908.0	915.5	934.4	1326.0	2389.1	2705.0	3877.8	16006.7	16333.9	16602.5	13146.6
77.5°	548.6	552.3	595.9	802.0	1647.6	2525.3	2627.4	11603.0	11860.3	10944.8	8149.0
80°	317.8	331.0	370.8	537.2	1112.3	1897.3	2033.5	7114.3	7405.6	4865.2	2589.6
82.5°	140.0	149.4	202.4	312.1	648.8	1613.5	1587.0	2810.9	2769.3	1356.3	898.5
85°	24.6	30.3	43.5	98.4	238.3	851.2	1231.4	1240.9	1167.1	514.5	372.6
87.5°	0.0	0.0	0.0	0.0	0.0	5.7	185.4	332.9	331.0	145.7	128.6
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°	5729.6	5729.6	5729.6	5729.6	5729.6	5729.6	5729.6	5729.6	5729.6	5729.6	5729.6
2.5°	5758.0	5706.9	5752.3	5758.0	5748.6	5741.0	5684.2	5635.1	5629.4	5576.4	5576.4
5°	5778.8	5731.5	5754.2	5710.7	5642.6	5572.6	5451.6	5368.3	5330.5	5262.4	5262.4
7.5°	5807.2	5758.0	5731.5	5623.7	5464.8	5311.6	5116.8	4954.1	4887.9	4791.4	4787.6
10°	5833.7	5771.3	5680.5	5470.5	5217.0	4973.0	4689.3	4458.5	4301.5	4186.1	4186.1
12.5°	5831.8	5750.4	5570.7	5260.5	4910.6	4556.9	4178.5	3830.5	3622.4	3442.7	3431.4
15°	5828.0	5716.4	5430.8	5016.5	4553.1	4063.1	3548.6	3094.6	2786.3	2610.4	2595.3
17.5°	5824.2	5672.9	5273.8	4738.4	4118.0	3450.3	2771.2	2279.4	2022.1	1914.3	1918.1
20°	5824.2	5623.7	5105.4	4418.8	3616.7	2716.3	2033.5	1676.0	1611.6	1617.3	1623.0
22.5°	5807.2	5563.2	4918.1	4070.7	3058.7	1997.5	1500.0	1379.0	1413.0	1466.0	1473.6
25°	5767.5	5462.9	4700.6	3684.8	2394.8	1454.6	1223.9	1201.2	1263.6	1329.8	1348.7
27.5°	5705.0	5347.5	4456.6	3232.7	1763.0	1169.0	1076.3	1074.4	1123.6	1172.8	1189.8
30°	5638.8	5218.9	4199.3	2729.6	1276.8	1017.7	981.7	981.7	1006.3	1036.6	1032.8
32.5°	5561.3	5088.4	3923.2	2205.6	1040.4	932.6	921.2	915.5	919.3	930.7	930.7
35°	5495.1	4973.0	3639.4	1651.4	932.6	885.3	873.9	860.7	855.0	847.4	851.2
37.5°	5470.5	4882.2	3346.2	1244.7	879.6	851.2	832.3	813.4	800.1	796.4	794.5
40°	5510.2	4844.4	3053.0	1025.2	841.8	815.3	794.5	769.9	758.5	758.5	758.5
42.5°	5665.3	4872.7	2754.2	926.9	815.3	785.0	754.7	732.0	728.3	732.0	733.9
45°	5949.1	4982.5	2443.9	877.7	792.6	754.7	718.8	701.8	701.8	705.6	705.6
47.5°	6456.0	5270.0	2137.5	847.4	769.9	730.2	692.3	675.3	673.4	677.2	677.2
50°	7333.7	5788.3	1861.3	826.6	752.9	711.2	673.4	650.7	645.0	643.1	643.1
52.5°	8440.3	6686.8	1685.4	811.5	732.0	690.4	652.6	622.3	611.0	605.3	605.3
55°	9777.7	7884.2	1685.4	800.1	705.6	665.8	622.3	592.1	575.0	567.5	567.5
57.5°	11292.8	9278.3	1976.7	790.7	684.8	637.5	590.2	559.9	541.0	529.6	529.6
60°	12834.5	10751.8	2697.4	777.4	665.8	601.5	554.2	525.9	501.3	488.0	486.1
62.5°	14432.9	12374.8	3647.0	785.0	652.6	567.5	516.4	484.2	463.4	450.2	448.3
65°	15897.0	13920.2	4477.4	843.7	654.5	537.2	472.9	444.5	427.5	410.5	408.6
67.5°	17139.7	14773.4	3894.8	962.8	694.2	501.3	429.4	401.0	385.9	374.5	372.6
70°	16269.6	13471.9	2209.4	1036.6	749.1	463.4	380.2	361.3	346.2	338.6	336.7
72.5°	13912.7	11406.3	1477.3	915.5	682.9	414.3	334.8	319.7	308.3	298.9	297.0
75°	11270.1	9045.6	1129.3	751.0	531.5	336.7	287.5	276.2	264.8	255.4	253.5
77.5°	6667.9	5226.5	832.3	594.0	374.5	262.9	238.3	228.9	217.5	210.0	208.1
80°	2128.0	1815.9	527.8	408.6	247.8	202.4	183.5	175.9	164.6	155.1	153.2
82.5°	811.5	701.8	280.0	208.1	164.6	138.1	123.0	115.4	107.8	98.4	96.5
85°	359.4	336.7	155.1	111.6	88.9	68.1	60.5	56.7	47.3	39.7	37.8
87.5°	126.7	126.7	66.2	32.2	18.9	9.5	5.7	1.9	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)