

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: P642486

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20916.7 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

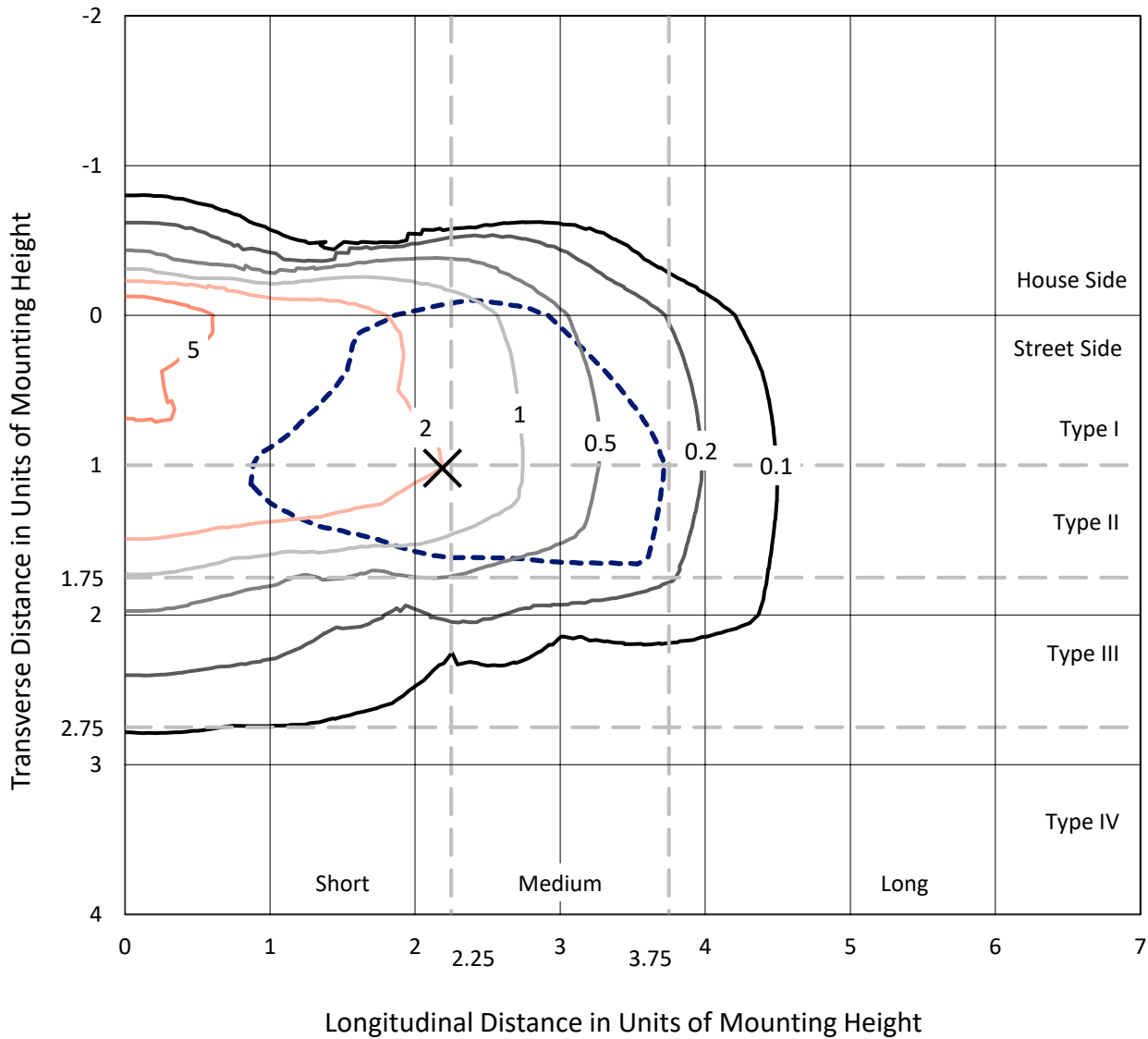
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

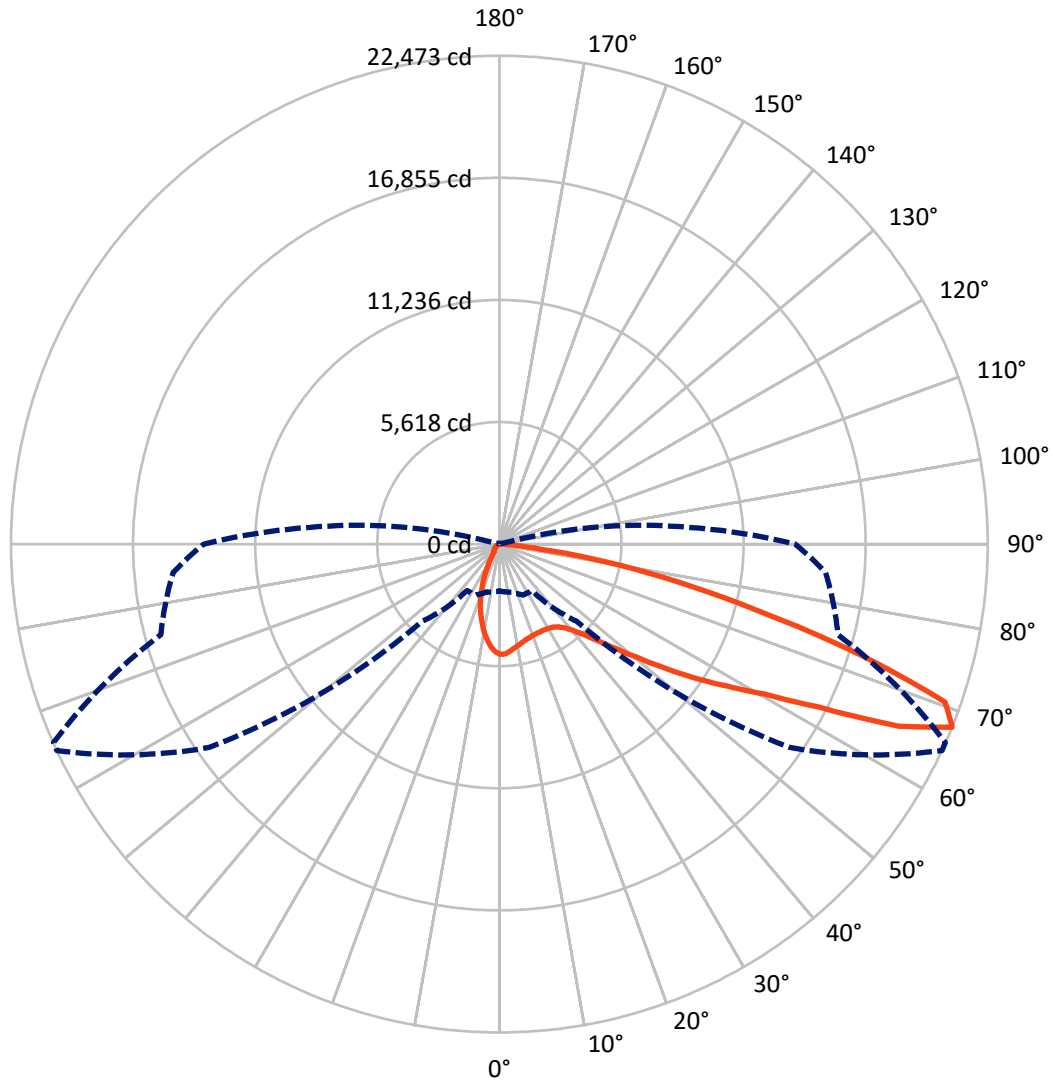
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2611.9	0.0	2611.9
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	18304.8	0.0	18304.8
	% Fixture	87.5	0.0	87.5
Total	Lumens	20916.7	0.0	20916.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.3	2.0
10°-20°	947.1	4.5
20°-30°	1353.4	6.5
30°-40°	1969.0	9.4
40°-50°	3083.8	14.7
50°-60°	4810.9	23.0
60°-70°	5284.5	25.3
70°-80°	2812.4	13.4
80°-90°	234.1	1.1
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°	20916.7	100.0
0°-180°	20916.7	100.0

Coefficient of Utilization



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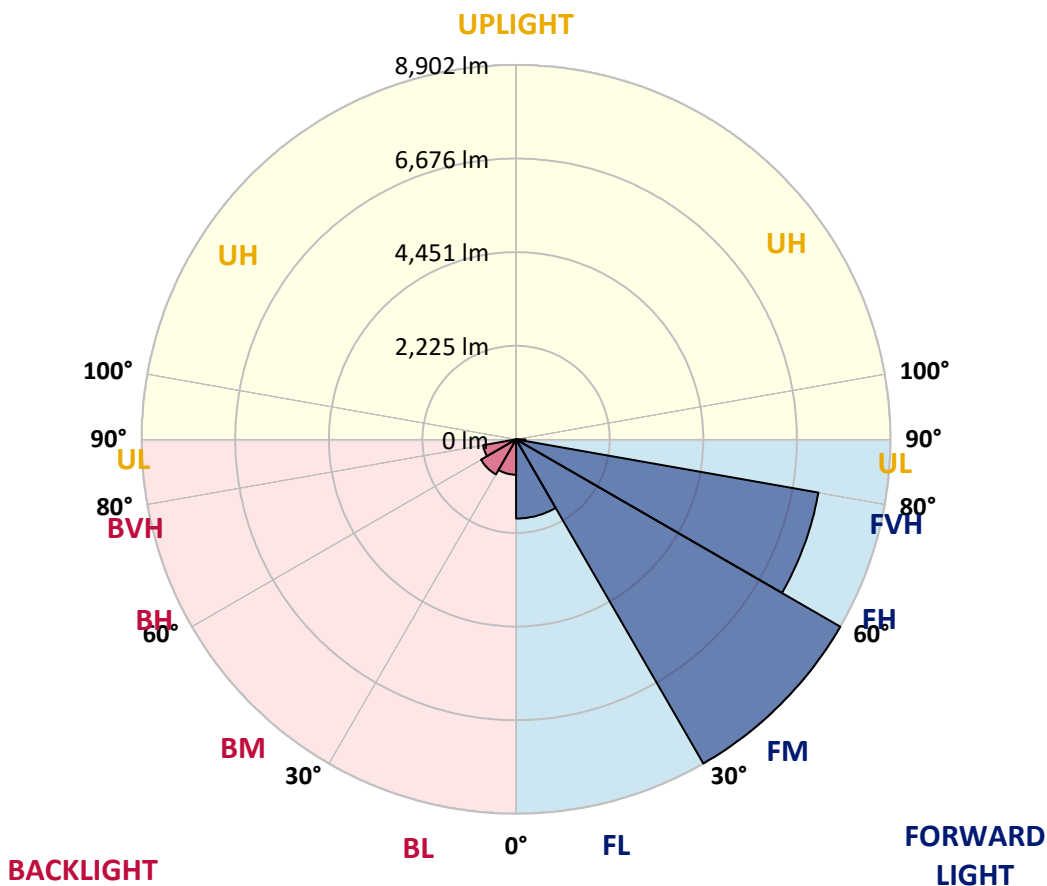
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1882.4	9.0			
FM (30°-60°)	8901.7	42.6			
FH (60°-80°)	7299.1	34.9			G3/7500
FVH (80°-90°)	221.6	1.1			G2/225
BL (0°-30°)	839.5	4.0	B2/1000		
BM (30°-60°)	962.1	4.6	B1/1000		
BH (60°-80°)	797.8	3.8	B2/1000		G2/1000
BVH (80°-90°)	12.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5073.0	5073.0	5073.0	5073.0	5073.0	5073.0	5073.0	5073.0	5073.0	5073.0	5073.0
2.5°	4897.1	4912.2	4891.4	4942.4	4951.9	5008.6	5040.8	5063.5	5061.6	5090.0	5090.0
5°	4609.5	4624.7	4613.3	4668.2	4711.7	4800.6	4874.4	4959.5	4963.3	5050.3	5082.4
7.5°	4365.5	4367.4	4367.4	4435.5	4492.3	4602.0	4711.7	4842.2	4857.3	4991.6	5076.7
10°	4165.0	4170.7	4172.6	4250.2	4312.6	4445.0	4585.0	4741.9	4759.0	4940.6	5073.0
12.5°	4027.0	4028.9	4036.4	4117.8	4185.9	4323.9	4465.8	4645.5	4668.2	4881.9	5055.9
15°	3960.8	3957.0	3960.8	4028.9	4097.0	4229.4	4375.0	4567.9	4592.5	4832.7	5057.8
17.5°	3957.0	3951.3	3947.5	3998.6	4042.1	4159.4	4306.9	4516.9	4543.3	4810.0	5078.6
20°	4011.8	4008.1	3989.1	4011.8	4021.3	4117.8	4263.4	4477.1	4503.6	4806.3	5124.0
22.5°	4155.6	4146.1	4117.8	4097.0	4045.9	4102.6	4233.1	4448.8	4479.0	4815.7	5182.7
25°	4369.3	4365.5	4329.6	4278.5	4148.0	4125.3	4235.0	4448.8	4477.1	4827.1	5245.1
27.5°	4690.9	4668.2	4622.8	4533.9	4346.6	4214.2	4272.9	4460.1	4488.5	4842.2	5296.2
30°	5018.1	5016.2	5001.1	4910.3	4632.2	4384.5	4352.3	4490.4	4516.9	4855.4	5343.4
32.5°	5356.7	5362.4	5400.2	5330.2	5025.7	4637.9	4496.1	4552.8	4571.7	4881.9	5385.1
35°	5678.2	5689.6	5789.8	5814.4	5504.2	5021.9	4730.6	4677.6	4679.5	4940.6	5439.9
37.5°	5986.5	6024.4	6185.2	6304.3	6100.0	5487.2	5069.2	4889.5	4874.4	5057.8	5523.1
40°	6336.5	6408.3	6610.7	6813.1	6748.8	6101.9	5530.7	5214.8	5182.7	5273.5	5672.6
42.5°	6724.2	6801.8	7070.4	7354.1	7384.4	6845.3	6107.6	5689.6	5634.7	5636.6	5952.5
45°	7140.4	7244.4	7556.5	7965.0	8148.5	7673.7	6818.8	6330.8	6275.9	6194.6	6402.7
47.5°	7687.0	7777.8	8078.5	8549.5	8901.3	8562.7	7751.3	7155.5	7055.2	6936.1	7102.5
50°	8158.0	8237.4	8496.5	9086.7	9818.7	9709.0	8808.6	8186.3	8089.9	7887.5	8025.6
52.5°	8262.0	8324.4	8562.7	9226.7	10520.4	11156.0	10104.3	9432.8	9364.7	8990.2	9043.2
55°	7794.8	7889.4	8103.1	8840.8	10703.9	12570.8	11785.8	10838.2	10696.3	10098.6	10193.2
57.5°	6614.5	6782.9	6983.4	7942.3	10206.4	13323.6	14135.1	12326.8	12198.2	11165.4	11167.3
60°	4847.9	4984.1	5118.4	5996.0	9026.2	13272.5	16266.8	13998.9	13764.3	12037.4	12005.2
62.5°	3525.7	3595.7	3593.8	3905.9	6198.4	12398.7	17386.5	16518.3	15971.7	12969.9	12786.4
65°	2772.9	2771.0	2852.4	2954.5	3461.4	9570.9	17524.6	20197.3	19607.1	14220.2	13838.1
67.5°	2158.2	2199.8	2281.1	2581.9	2600.8	5008.6	16310.3	22472.7	22461.4	16128.7	15069.4
70°	1664.5	1721.2	1836.6	2275.5	2402.2	2803.2	12203.9	21752.1	21935.5	16981.7	14197.5
72.5°	1068.7	1064.9	1235.1	1838.5	2307.6	2336.0	6748.8	17278.7	17486.8	15381.5	11479.4
75°	597.7	601.5	698.0	1125.4	2150.6	2197.9	3342.3	12321.1	12485.7	11992.0	8820.0
77.5°	234.5	242.1	327.2	592.0	1418.6	1963.4	1986.1	8402.0	8426.6	7431.6	5409.6
80°	94.6	100.2	166.5	366.9	864.4	1322.1	1418.6	4950.0	4849.8	2876.9	1573.7
82.5°	28.4	30.3	66.2	208.1	452.1	940.1	957.1	1899.0	1793.1	618.5	401.0
85°	1.9	1.9	15.1	64.3	160.8	236.4	637.4	618.5	548.5	155.1	177.8
87.5°	0.0	0.0	1.9	1.9	3.8	7.6	68.1	113.5	115.4	28.4	79.4
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°	5073.0	5073.0	5073.0	5073.0	5073.0	5073.0	5073.0	5073.0	5073.0	5073.0	5073.0
2.5°	5090.0	5021.9	5016.2	4963.3	4910.3	4844.1	4766.5	4709.8	4670.1	4600.1	4586.8
5°	5082.4	4991.6	4906.5	4755.2	4586.8	4405.3	4246.4	4098.8	4006.2	3943.7	3917.3
7.5°	5067.3	4951.9	4755.2	4469.6	4187.7	3870.0	3622.2	3395.2	3240.1	3149.3	3109.6
10°	5055.9	4900.8	4581.2	4148.0	3711.1	3272.3	2895.9	2559.2	2371.9	2224.4	2199.8
12.5°	5033.2	4827.1	4358.0	3771.6	3208.0	2625.4	2144.9	1732.6	1447.0	1318.4	1273.0
15°	5010.5	4749.5	4134.8	3374.4	2659.4	1940.7	1358.1	960.9	764.2	703.6	699.8
17.5°	5006.8	4679.5	3892.7	2998.0	2084.4	1271.1	773.6	622.3	580.7	565.6	565.6
20°	5018.1	4620.9	3654.3	2564.9	1518.9	773.6	576.9	539.1	514.5	501.2	501.2
22.5°	5029.5	4560.4	3425.5	2127.9	1008.2	565.6	508.8	476.7	448.3	433.1	425.6
25°	5037.0	4494.2	3172.0	1689.1	658.2	491.8	446.4	404.8	370.7	351.8	351.8
27.5°	5035.1	4414.7	2916.7	1259.7	510.7	436.9	382.1	338.6	304.5	283.7	285.6
30°	5020.0	4327.7	2651.9	879.5	446.4	382.1	327.2	281.8	247.8	230.8	228.9
32.5°	5008.6	4235.0	2345.4	618.5	401.0	334.8	278.0	234.5	206.2	192.9	191.0
35°	4995.4	4144.2	2054.2	471.0	361.3	289.4	234.5	198.6	175.9	164.6	164.6
37.5°	4999.2	4049.7	1738.3	404.8	321.6	251.6	200.5	170.2	151.3	140.0	138.1
40°	5057.8	3992.9	1428.1	366.9	285.6	217.5	174.0	147.5	128.6	117.3	115.4
42.5°	5203.5	3994.8	1131.1	338.6	253.5	185.4	151.3	126.7	109.7	96.5	94.6
45°	5494.8	4074.3	868.2	308.3	219.4	160.8	130.5	107.8	90.8	79.4	77.6
47.5°	5971.4	4310.7	658.2	281.8	191.0	140.0	111.6	90.8	75.7	66.2	64.3
50°	6729.9	4738.2	518.3	249.7	160.8	121.1	94.6	75.7	62.4	53.0	51.1
52.5°	7641.6	5379.4	444.5	221.3	138.1	105.9	81.3	62.4	51.1	43.5	41.6
55°	8689.5	6145.4	410.5	192.9	117.3	90.8	66.2	51.1	41.6	35.9	32.2
57.5°	9650.3	6835.8	408.6	164.6	100.2	77.6	54.9	43.5	35.9	28.4	26.5
60°	10586.6	7412.7	384.0	136.2	87.0	64.3	47.3	35.9	30.3	24.6	22.7
62.5°	11435.9	7881.8	321.6	109.7	73.8	53.0	39.7	32.2	26.5	20.8	20.8
65°	12502.7	8479.5	245.9	88.9	60.5	43.5	34.0	28.4	24.6	18.9	18.9
67.5°	13605.4	8795.4	175.9	73.8	49.2	37.8	30.3	26.5	20.8	17.0	17.0
70°	12323.0	7431.6	126.7	60.5	41.6	32.2	26.5	24.6	20.8	17.0	15.1
72.5°	9623.9	5358.6	94.6	47.3	35.9	30.3	24.6	22.7	18.9	15.1	15.1
75°	7136.6	3124.7	71.9	37.8	28.4	24.6	24.6	22.7	18.9	15.1	13.2
77.5°	3879.4	1089.5	54.9	30.3	22.7	18.9	20.8	20.8	17.0	13.2	11.3
80°	1027.1	298.9	37.8	22.7	18.9	15.1	15.1	18.9	15.1	11.3	11.3
82.5°	298.9	87.0	26.5	18.9	15.1	13.2	13.2	13.2	11.3	9.5	7.6
85°	145.6	32.2	18.9	15.1	13.2	11.3	9.5	9.5	7.6	5.7	5.7
87.5°	64.3	13.2	15.1	13.2	13.2	9.5	7.6	5.7	5.7	3.8	1.9
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)