

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: P642490

Luminaire Tested: GWS-SA6D-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 21370.6 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

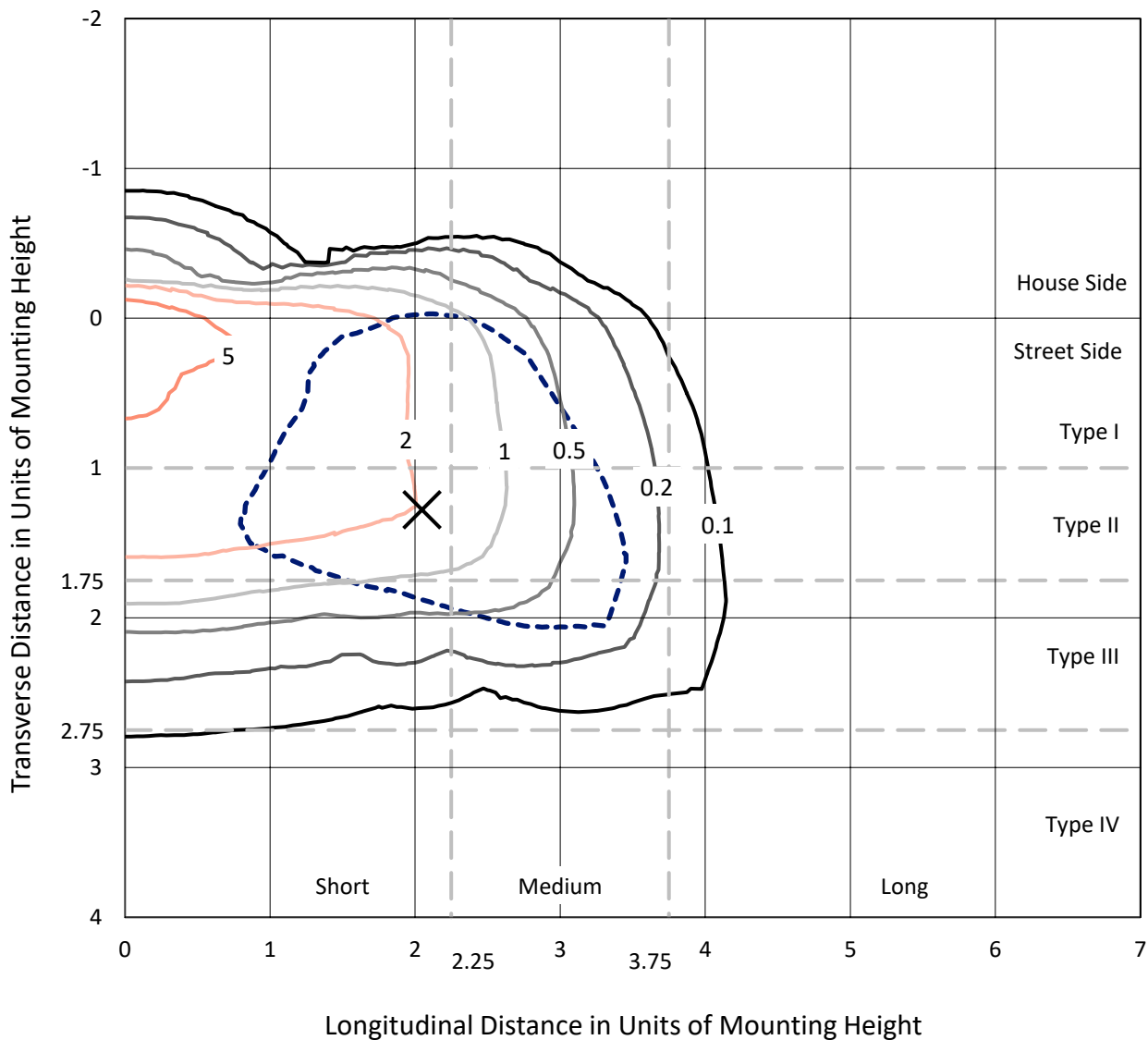
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GWS-SA6D-722-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

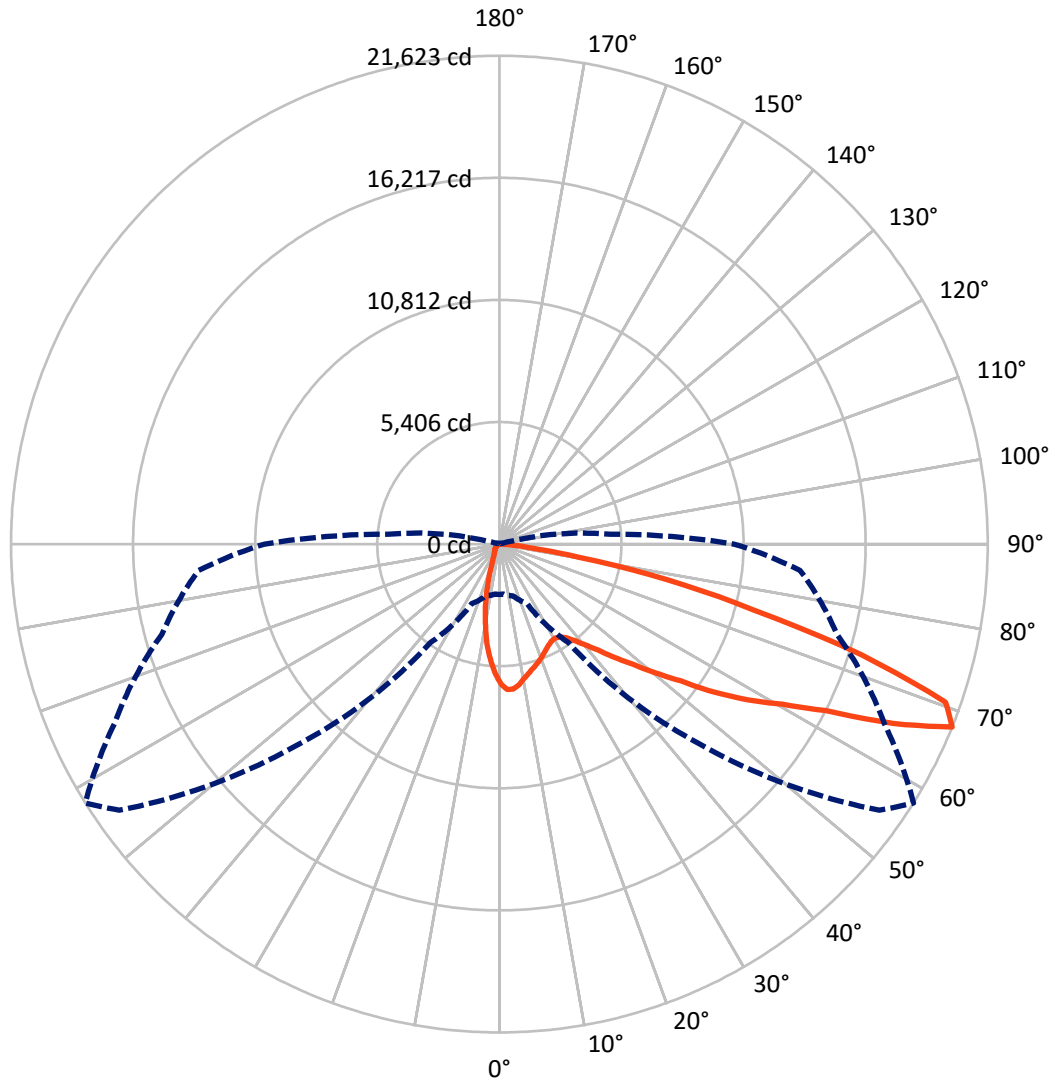
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type III - Short - N/A

REPORT NUMBER: P642490
CATALOG NUMBER: GWS-SA6D-722-U-SL3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2087.8	0.0	2087.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	19282.8	0.0	19282.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	21370.6	0.0	21370.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.9	2.3
10°-20°	1042.7	4.9
20°-30°	1406.2	6.6
30°-40°	1976.0	9.2
40°-50°	3051.7	14.3
50°-60°	4880.0	22.8
60°-70°	5778.3	27.0
70°-80°	2556.2	12.0
80°-90°	178.7	0.8
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°	21370.6	100.0
0°-180°	21370.6	100.0

Coefficient of Utilization



REPORT NUMBER: P642490

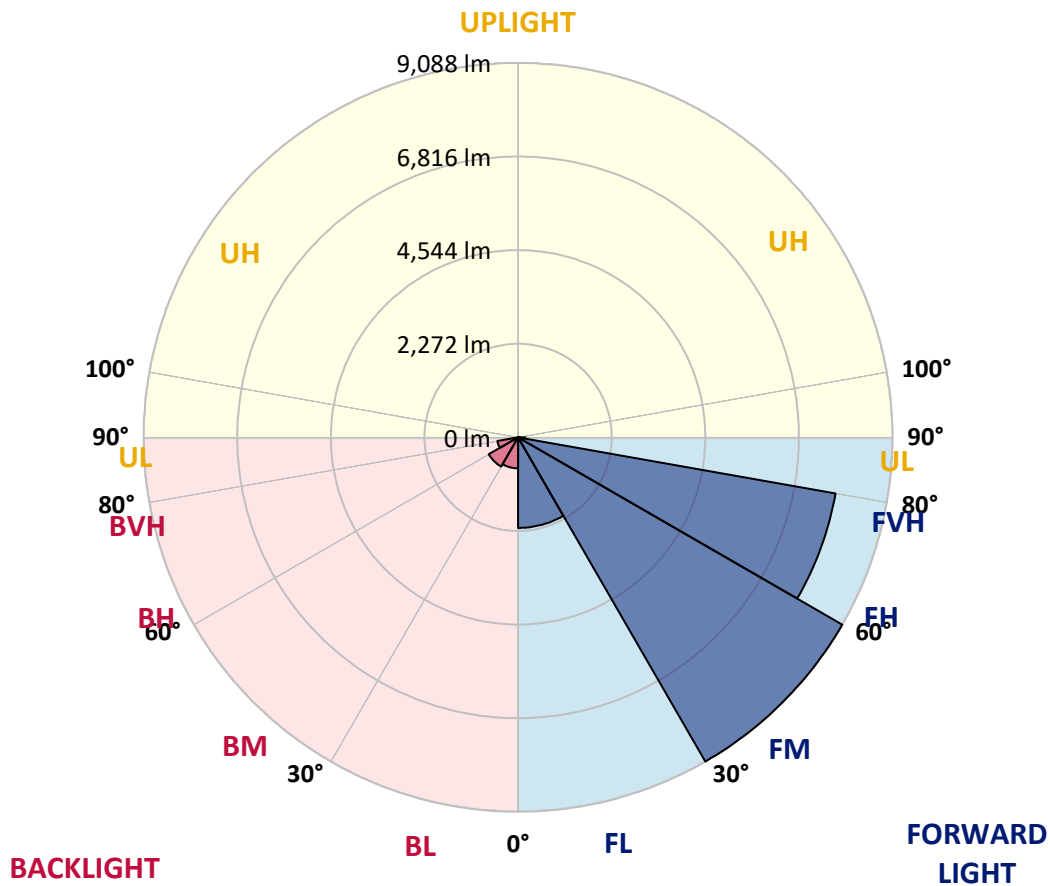
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2198.5	10.3			
FM (30°-60°)	9088.5	42.5			
FH (60°-80°)	7824.8	36.6			G4/12000
FVH (80°-90°)	171.1	0.8			G2/225
BL (0°-30°)	751.3	3.5	B2/1000		
BM (30°-60°)	819.2	3.8	B1/1000		
BH (60°-80°)	509.7	2.4	B2/1000		G2/1000
BVH (80°-90°)	7.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short





REPORT NUMBER: P642490

CATALOG NUMBER: GWS-SA6D-722-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6164.3	6164.3	6164.3	6164.3	6164.3	6164.3	6164.3	6164.3	6164.3	6164.3	6164.3
2.5°	6483.9	6495.3	6510.4	6529.3	6525.6	6508.5	6487.7	6440.4	6410.2	6315.6	6200.2
5°	6275.9	6274.0	6311.8	6347.8	6412.1	6446.1	6493.4	6449.9	6434.8	6321.3	6134.0
7.5°	5869.2	5890.0	5933.5	5990.3	6083.0	6183.2	6296.7	6283.4	6328.8	6253.2	6020.5
10°	5470.1	5458.8	5526.9	5612.0	5753.8	5882.5	6047.0	6045.1	6164.3	6156.7	5891.9
12.5°	5120.2	5118.3	5171.3	5267.7	5434.2	5613.9	5837.1	5842.7	5990.3	6050.8	5782.2
15°	4825.1	4828.9	4880.0	4980.2	5152.4	5371.8	5630.9	5678.2	5844.6	5967.6	5674.4
17.5°	4615.2	4617.1	4647.3	4734.3	4902.7	5137.2	5449.3	5513.6	5727.4	5905.2	5587.4
20°	4518.7	4511.1	4516.8	4560.3	4690.8	4904.6	5263.9	5347.2	5619.5	5861.6	5507.9
22.5°	4531.9	4520.6	4494.1	4488.4	4547.1	4709.7	5067.2	5169.4	5502.3	5835.2	5436.1
25°	4649.2	4624.6	4586.8	4530.1	4507.4	4588.7	4895.1	5001.0	5392.6	5837.1	5381.2
27.5°	4828.9	4802.4	4755.1	4679.5	4590.6	4556.5	4777.8	4878.1	5315.0	5880.6	5354.7
30°	5057.8	5037.0	4991.6	4900.8	4781.6	4641.7	4753.3	4836.5	5277.2	5969.5	5366.1
32.5°	5328.3	5313.1	5275.3	5192.1	5055.9	4842.2	4836.5	4900.8	5307.5	6098.1	5409.6
35°	5589.3	5595.0	5596.8	5551.4	5405.8	5146.7	5065.3	5088.0	5432.3	6291.0	5507.9
37.5°	5871.1	5857.9	5926.0	5958.1	5818.1	5542.0	5419.0	5420.9	5670.6	6576.6	5693.3
40°	6084.8	6088.6	6236.2	6368.6	6309.9	6043.2	5867.3	5865.4	6037.6	6968.2	5992.2
42.5°	6285.3	6309.9	6527.4	6754.4	6835.8	6599.3	6472.6	6425.3	6552.0	7497.8	6440.4
45°	6499.1	6535.0	6839.5	7163.0	7376.7	7236.7	7136.5	7155.4	7170.5	8114.4	7043.8
47.5°	6748.7	6771.4	7147.8	7603.7	8002.8	7966.9	7972.5	7949.8	7942.3	8891.8	7842.0
50°	7051.4	7104.3	7537.5	8082.2	8627.0	8865.3	8944.7	8954.2	8831.2	9739.2	8668.6
52.5°	7694.5	7758.8	8129.5	8606.2	9307.9	9809.1	10132.6	10068.3	9879.1	10560.0	9574.6
55°	8453.0	8502.1	8859.6	9353.3	10140.1	10843.8	11611.7	11585.2	11121.8	11424.4	10319.8
57.5°	8524.8	8579.7	9133.9	9890.5	11208.8	12122.4	12930.1	13015.2	12336.1	12037.3	10985.6
60°	7717.2	7828.8	8585.4	9603.0	11617.4	13841.7	14375.1	14392.2	13227.0	12659.6	11799.0
62.5°	6185.1	6238.1	7000.3	8328.1	10987.5	14844.2	16582.5	16223.1	14371.4	13622.3	13087.0
65°	3242.0	3457.6	4121.5	5591.2	8910.7	14494.3	19238.1	19139.7	16429.3	15001.2	14089.5
67.5°	2224.4	2222.5	2379.5	2914.7	5313.1	12479.9	20541.3	21623.2	18808.7	15474.1	13363.2
70°	1692.9	1698.5	1838.5	2186.5	2752.1	8307.3	19111.4	20961.2	19251.3	14049.8	10807.8
72.5°	1123.5	1134.9	1367.5	1766.6	2197.9	4072.3	14851.8	16771.6	16198.5	11284.5	7607.5
75°	671.5	680.9	847.4	1284.3	1953.9	2279.2	9436.5	11594.7	11150.2	7777.7	4078.0
77.5°	276.2	283.7	435.0	800.1	1429.9	1770.4	5218.6	7586.7	6678.8	3092.5	1114.1
80°	115.4	119.2	210.0	559.9	1030.8	1110.3	2417.3	3565.4	2736.9	665.8	340.5
82.5°	41.6	43.5	77.6	308.3	641.2	836.0	1220.0	1409.1	771.7	217.5	183.5
85°	1.9	1.9	18.9	104.0	244.0	236.4	698.0	675.3	255.3	90.8	109.7
87.5°	0.0	0.0	1.9	1.9	3.8	9.5	66.2	117.3	54.9	22.7	47.3
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°	6164.3	6164.3	6164.3	6164.3	6164.3	6164.3	6164.3	6164.3	6164.3	6164.3	6164.3
2.5°	6124.6	6024.3	5914.6	5812.5	5649.8	5553.3	5434.2	5381.2	5305.6	5286.6	5298.0
5°	5999.7	5827.6	5564.7	5326.4	5018.1	4770.3	4520.6	4414.7	4278.5	4187.7	4149.9
7.5°	5823.8	5598.7	5188.3	4755.1	4331.5	3879.4	3535.1	3308.2	3102.0	2988.5	2965.8
10°	5646.0	5352.8	4764.6	4144.2	3487.9	2946.9	2481.6	2137.4	1857.4	1730.7	1632.3
12.5°	5462.6	5097.5	4333.3	3523.8	2761.5	2023.9	1448.9	1114.1	913.6	834.1	847.4
15°	5294.2	4851.6	3905.9	2903.4	1944.4	1221.9	800.1	675.3	628.0	612.8	610.9
17.5°	5133.4	4619.0	3480.3	2300.0	1282.4	749.0	612.8	582.6	569.3	561.8	561.8
20°	4987.8	4395.8	3064.2	1732.6	828.5	593.9	554.2	539.1	527.7	522.0	522.0
22.5°	4851.6	4180.1	2657.5	1225.7	610.9	533.4	508.8	493.7	480.4	472.9	472.9
25°	4728.7	3985.3	2269.8	843.6	525.8	488.0	461.5	444.5	421.8	408.6	408.6
27.5°	4639.8	3811.3	1897.1	614.7	474.8	438.8	408.6	385.9	361.3	346.1	342.4
30°	4586.8	3663.8	1520.7	505.0	427.5	391.5	357.5	329.1	300.7	285.6	283.7
32.5°	4556.5	3527.6	1176.5	440.7	387.8	346.1	308.3	278.0	249.7	232.7	230.8
35°	4567.9	3421.7	881.4	397.2	349.9	306.4	264.8	234.5	210.0	194.8	191.0
37.5°	4666.2	3374.4	662.0	363.2	317.8	272.4	228.9	200.5	177.8	166.4	164.6
40°	4857.3	3383.8	520.2	336.7	291.3	238.3	196.7	170.2	153.2	143.8	141.9
42.5°	5154.2	3463.3	429.4	314.0	262.9	208.1	170.2	149.4	132.4	122.9	121.1
45°	5596.8	3627.8	374.5	287.5	232.7	179.7	147.5	128.6	113.5	102.1	100.2
47.5°	6238.1	3913.4	338.6	262.9	206.2	155.1	126.7	107.8	94.6	85.1	83.2
50°	6920.9	4255.8	308.3	238.3	183.5	134.3	107.8	88.9	77.6	68.1	66.2
52.5°	7649.1	4624.6	285.6	215.6	162.7	115.4	90.8	73.8	62.4	53.0	51.1
55°	8348.9	4995.4	259.1	200.5	138.1	98.4	75.7	60.5	49.2	41.6	41.6
57.5°	9029.9	5335.8	230.8	175.9	113.5	83.2	62.4	49.2	39.7	34.0	32.2
60°	9843.2	5806.8	198.6	149.4	94.6	70.0	51.1	39.7	32.2	26.5	26.5
62.5°	11051.8	6296.7	170.2	124.8	79.4	58.6	41.6	32.2	26.5	22.7	20.8
65°	11447.1	6031.9	143.8	102.1	64.3	47.3	34.0	28.4	22.7	20.8	18.9
67.5°	10391.7	4944.3	119.2	83.2	53.0	39.7	30.3	24.6	20.8	18.9	17.0
70°	8108.7	3508.7	92.7	62.4	43.5	32.2	26.5	22.7	18.9	17.0	17.0
72.5°	5515.5	2074.9	73.8	47.3	35.9	28.4	22.7	20.8	18.9	17.0	15.1
75°	2716.1	737.7	56.7	35.9	28.4	24.6	20.8	18.9	17.0	15.1	15.1
77.5°	732.0	204.3	43.5	28.4	22.7	18.9	18.9	18.9	17.0	13.2	13.2
80°	247.8	85.1	32.2	20.8	18.9	15.1	13.2	17.0	15.1	13.2	11.3
82.5°	136.2	41.6	22.7	17.0	13.2	11.3	11.3	11.3	11.3	9.5	9.5
85°	87.0	22.7	15.1	13.2	13.2	9.5	7.6	7.6	5.7	5.7	5.7
87.5°	39.7	13.2	13.2	11.3	11.3	9.5	5.7	3.8	1.9	1.9	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)