

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: P641720

Luminaire Tested: GWS-SA6B-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641720
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-SA6B-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17148.1 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

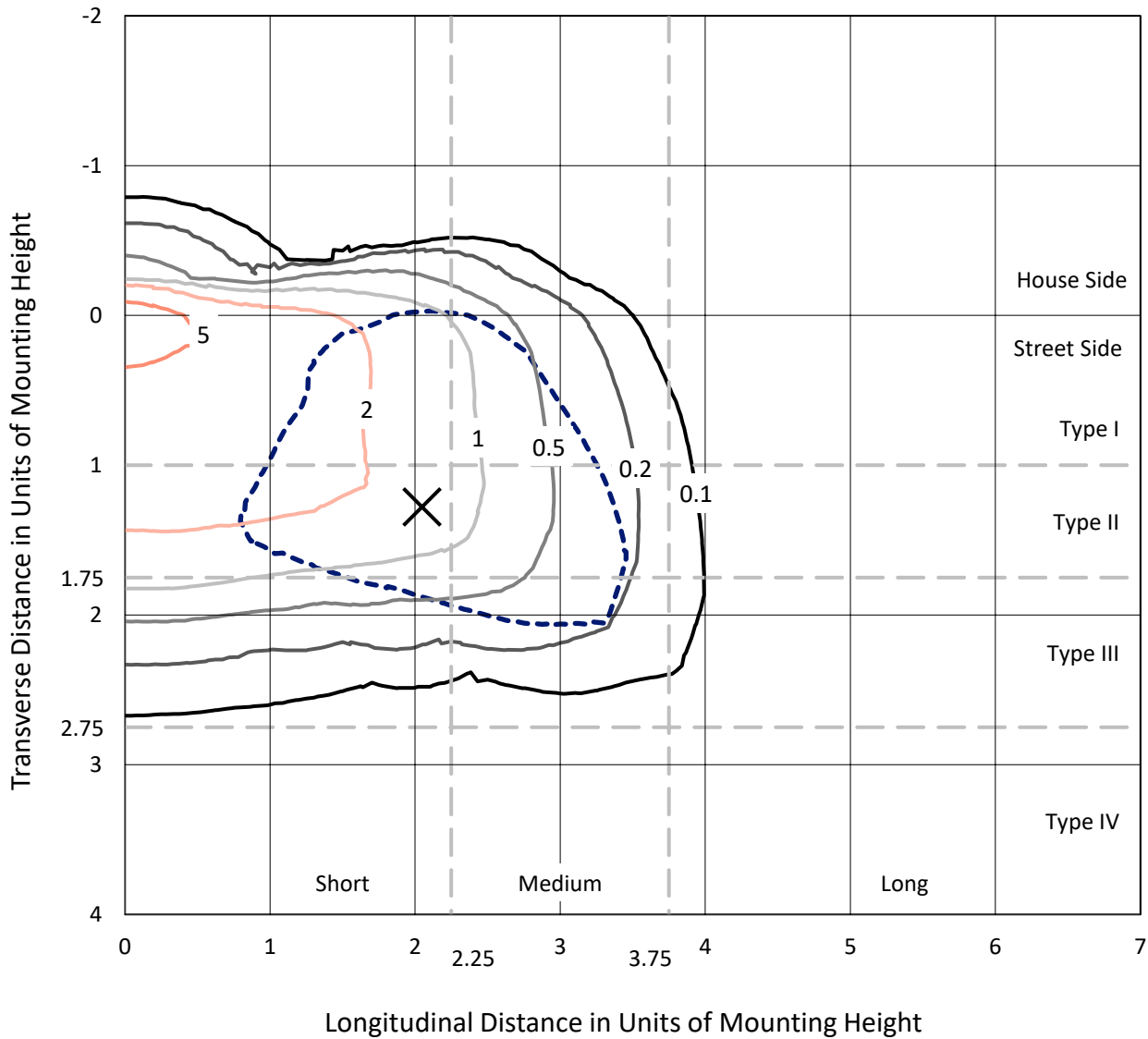
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

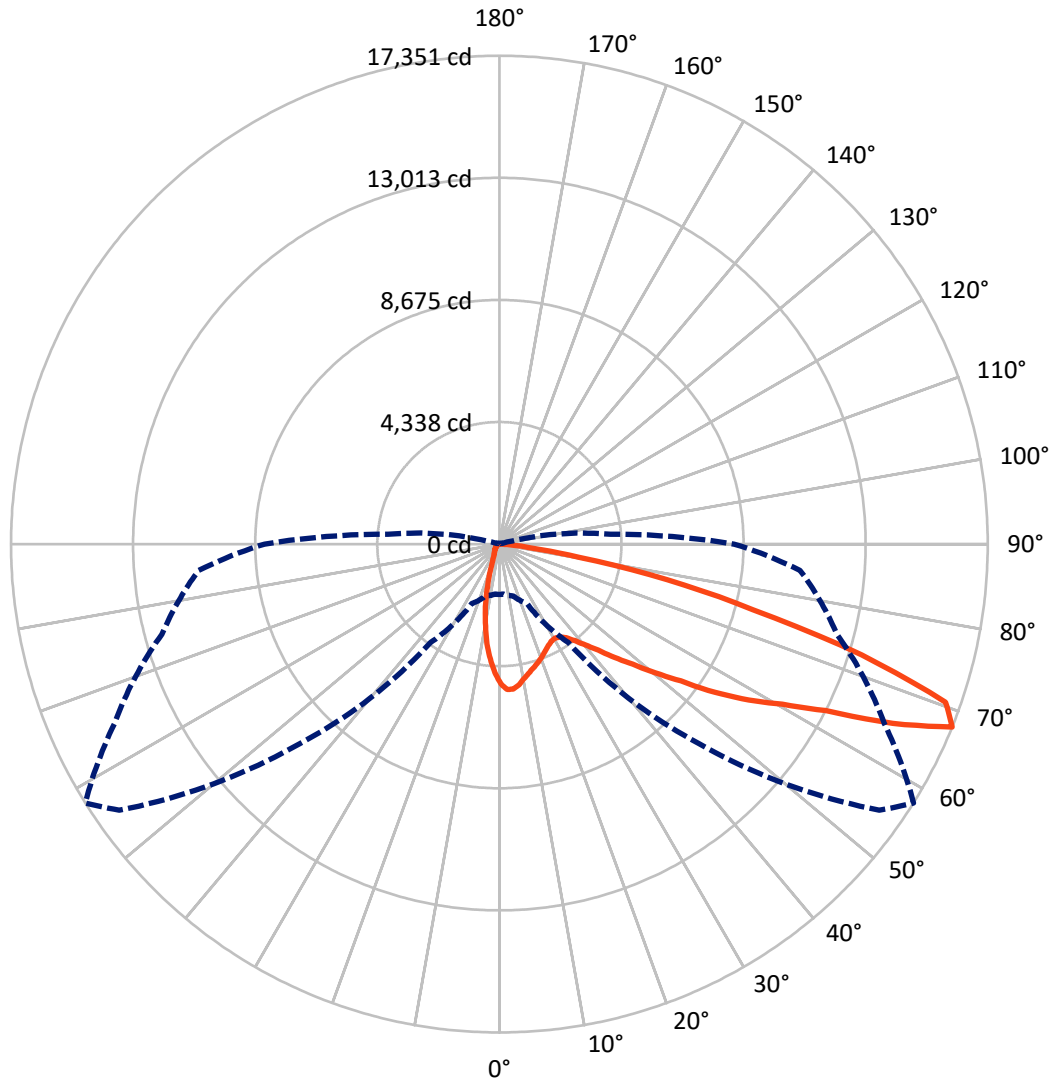
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Short - N/A

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CATALOG NUMBER: GWS-SA6B-740-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	1675.3	0.0	1675.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	15472.8	0.0	15472.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	17148.1	0.0	17148.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.9	2.3
10°-20°	836.7	4.9
20°-30°	1128.3	6.6
30°-40°	1585.5	9.2
40°-50°	2448.7	14.3
50°-60°	3915.8	22.8
60°-70°	4636.6	27.0
70°-80°	2051.1	12.0
80°-90°	143.4	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°	17148.1	100.0
0°-180°	17148.1	100.0

Coefficient of Utilization



REPORT NUMBER: P641720

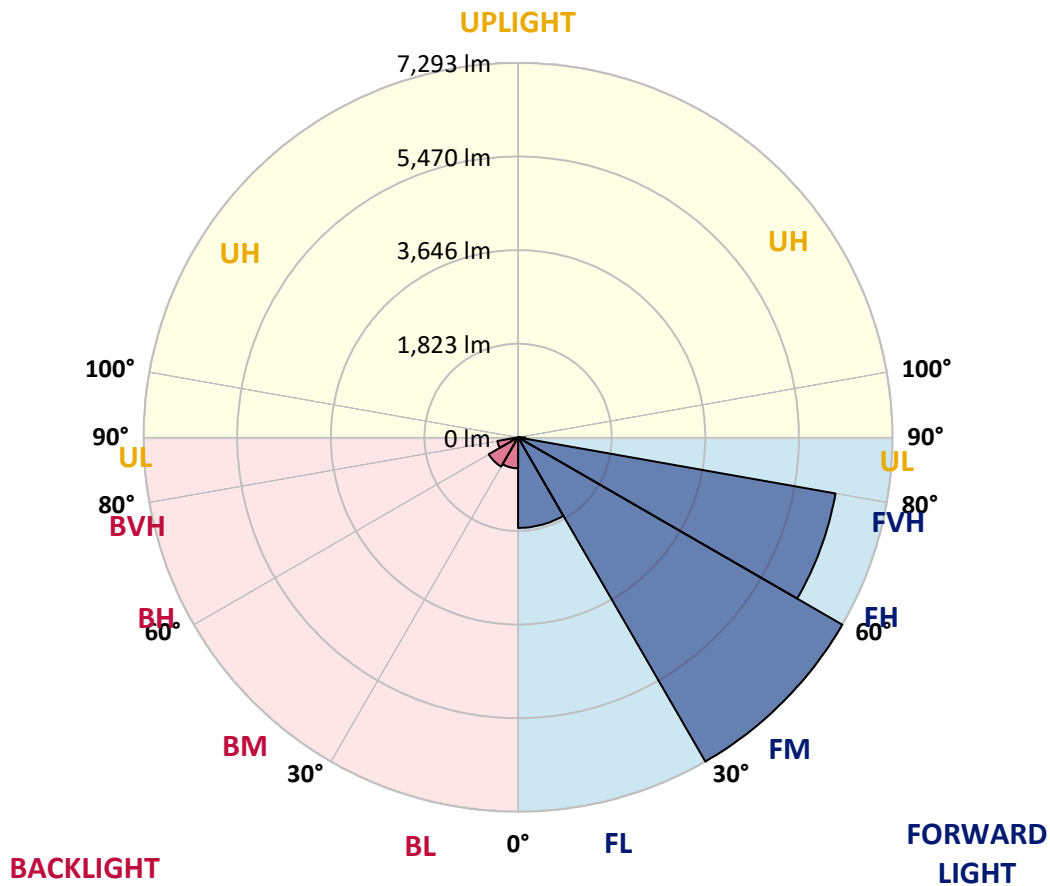
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1764.1	10.3			
FM (30°-60°)	7292.7	42.5			
FH (60°-80°)	6278.7	36.6			G3/7500
FVH (80°-90°)	137.3	0.8			G2/225
BL (0°-30°)	602.9	3.5	B2/1000		
BM (30°-60°)	657.3	3.8	B1/1000		
BH (60°-80°)	409.0	2.4	B1/500		G1/500
BVH (80°-90°)	6.1	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4946.3	4946.3	4946.3	4946.3	4946.3	4946.3	4946.3	4946.3	4946.3	4946.3	4946.3
2.5°	5202.8	5211.9	5224.1	5239.2	5236.2	5222.5	5205.9	5167.9	5143.6	5067.7	4975.2
5°	5035.9	5034.3	5064.7	5093.5	5145.1	5172.5	5210.4	5175.5	5163.4	5072.3	4922.0
7.5°	4709.5	4726.2	4761.2	4806.7	4881.1	4961.5	5052.6	5041.9	5078.4	5017.7	4831.0
10°	4389.3	4380.2	4434.8	4503.1	4617.0	4720.2	4852.2	4850.7	4946.3	4940.2	4727.8
12.5°	4108.5	4107.0	4149.5	4226.9	4360.5	4504.7	4683.7	4688.3	4806.7	4855.3	4639.7
15°	3871.8	3874.8	3915.8	3996.2	4134.3	4310.4	4518.3	4556.3	4689.8	4788.5	4553.2
17.5°	3703.3	3704.8	3729.1	3798.9	3934.0	4122.2	4372.6	4424.2	4595.7	4738.4	4483.4
20°	3625.9	3619.8	3624.4	3659.3	3764.0	3935.5	4223.9	4290.7	4509.2	4703.5	4419.7
22.5°	3636.5	3627.4	3606.2	3601.6	3648.6	3779.2	4066.0	4148.0	4415.1	4682.2	4362.0
25°	3730.6	3710.9	3680.5	3635.0	3616.8	3682.0	3927.9	4012.9	4327.1	4683.7	4318.0
27.5°	3874.8	3853.5	3815.6	3754.9	3683.6	3656.2	3833.8	3914.3	4264.9	4718.7	4296.7
30°	4058.4	4041.7	4005.3	3932.5	3836.8	3724.5	3814.1	3880.9	4234.5	4790.0	4305.8
32.5°	4275.5	4263.3	4233.0	4166.2	4056.9	3885.4	3880.9	3932.5	4258.8	4893.2	4340.7
35°	4484.9	4489.5	4491.0	4454.6	4337.7	4129.8	4064.5	4082.7	4359.0	5048.0	4419.7
37.5°	4711.1	4700.4	4755.1	4780.9	4668.6	4447.0	4348.3	4349.8	4550.2	5277.2	4568.4
40°	4882.6	4885.6	5004.0	5110.2	5063.2	4849.2	4708.0	4706.5	4844.6	5591.4	4808.2
42.5°	5043.5	5063.2	5237.7	5419.9	5485.1	5295.4	5193.7	5155.8	5257.5	6016.3	5167.9
45°	5215.0	5243.8	5488.2	5747.7	5919.2	5806.9	5726.4	5741.6	5753.8	6511.1	5652.1
47.5°	5415.3	5433.5	5735.5	6101.3	6421.6	6392.7	6397.3	6379.1	6373.0	7134.9	6292.6
50°	5658.1	5700.6	6048.2	6485.3	6922.4	7113.7	7177.4	7185.0	7086.3	7814.8	6955.8
52.5°	6174.2	6225.8	6523.2	6905.7	7468.8	7871.0	8130.5	8078.9	7927.2	8473.5	7682.8
55°	6782.8	6822.2	7109.1	7505.2	8136.6	8701.2	9317.4	9296.2	8924.3	9167.2	8280.8
57.5°	6840.5	6884.5	7329.2	7936.3	8994.1	9727.2	10375.3	10443.6	9898.7	9658.9	8815.0
60°	6192.4	6281.9	6889.0	7705.6	9322.0	11106.8	11534.8	11548.5	10613.6	10158.2	9467.7
62.5°	4963.0	5005.5	5617.2	6682.6	8816.6	11911.2	13306.0	13017.7	11531.8	10930.8	10501.2
65°	2601.4	2774.4	3307.2	4486.4	7150.1	11630.4	15436.9	15358.0	13183.1	12037.2	11305.7
67.5°	1784.9	1783.3	1909.3	2338.8	4263.3	10014.1	16482.7	17350.8	15092.4	12416.6	10722.8
70°	1358.4	1362.9	1475.2	1754.5	2208.3	6665.9	15335.3	16819.6	15447.6	11273.8	8672.4
72.5°	901.5	910.6	1097.3	1417.6	1763.6	3267.7	11917.3	13457.8	12997.9	9054.8	6104.4
75°	538.8	546.4	679.9	1030.5	1567.8	1828.9	7572.0	9303.8	8947.1	6240.9	3272.2
77.5°	221.6	227.7	349.1	642.0	1147.4	1420.6	4187.4	6087.7	5359.1	2481.5	893.9
80°	92.6	95.6	168.5	449.3	827.2	890.9	1939.7	2860.9	2196.2	534.2	273.2
82.5°	33.4	34.9	62.2	247.4	514.5	670.8	978.9	1130.7	619.2	174.5	147.2
85°	1.5	1.5	15.2	83.5	195.8	189.7	560.0	541.8	204.9	72.9	88.0
87.5°	0.0	0.0	1.5	1.5	3.0	7.6	53.1	94.1	44.0	18.2	37.9
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°	4946.3	4946.3	4946.3	4946.3	4946.3	4946.3	4946.3	4946.3	4946.3	4946.3	4946.3
2.5°	4914.4	4834.0	4746.0	4664.0	4533.5	4456.1	4360.5	4318.0	4257.3	4242.1	4251.2
5°	4814.3	4676.2	4465.2	4274.0	4026.6	3827.7	3627.4	3542.4	3433.1	3360.3	3329.9
7.5°	4673.1	4492.5	4163.2	3815.6	3475.6	3112.9	2836.7	2654.5	2489.1	2398.0	2379.8
10°	4530.5	4295.2	3823.2	3325.4	2798.7	2364.6	1991.3	1715.0	1490.4	1388.7	1309.8
12.5°	4383.2	4090.3	3477.1	2827.6	2215.9	1624.0	1162.6	893.9	733.1	669.3	679.9
15°	4248.2	3893.0	3134.1	2329.7	1560.2	980.5	642.0	541.8	503.9	491.7	490.2
17.5°	4119.1	3706.3	2792.6	1845.6	1029.0	601.0	491.7	467.5	456.8	450.8	450.8
20°	4002.3	3527.2	2458.7	1390.3	664.8	476.6	444.7	432.6	423.4	418.9	418.9
22.5°	3893.0	3354.2	2132.4	983.5	490.2	428.0	408.3	396.1	385.5	379.4	379.4
25°	3794.4	3197.9	1821.3	676.9	421.9	391.6	370.3	356.7	338.5	327.8	327.8
27.5°	3723.0	3058.2	1522.3	493.3	381.0	352.1	327.8	309.6	289.9	277.7	274.7
30°	3680.5	2939.9	1220.3	405.2	343.0	314.2	286.9	264.1	241.3	229.2	227.7
32.5°	3656.2	2830.6	944.0	353.6	311.1	277.7	247.4	223.1	200.3	186.7	185.2
35°	3665.3	2745.6	707.3	318.7	280.8	245.9	212.5	188.2	168.5	156.3	153.3
37.5°	3744.3	2707.6	531.2	291.4	255.0	218.6	183.6	160.9	142.7	133.6	132.0
40°	3897.6	2715.2	417.4	270.2	233.7	191.2	157.8	136.6	122.9	115.3	113.8
42.5°	4135.8	2779.0	344.5	251.9	211.0	167.0	136.6	119.9	106.2	98.7	97.1
45°	4491.0	2911.0	300.5	230.7	186.7	144.2	118.4	103.2	91.1	82.0	80.4
47.5°	5005.5	3140.2	271.7	211.0	165.4	124.5	101.7	86.5	75.9	68.3	66.8
50°	5553.4	3414.9	247.4	191.2	147.2	107.8	86.5	71.3	62.2	54.6	53.1
52.5°	6137.7	3710.9	229.2	173.0	130.5	92.6	72.9	59.2	50.1	42.5	41.0
55°	6699.3	4008.4	207.9	160.9	110.8	78.9	60.7	48.6	39.5	33.4	33.4
57.5°	7245.7	4281.5	185.2	141.1	91.1	66.8	50.1	39.5	31.9	27.3	25.8
60°	7898.3	4659.5	159.4	119.9	75.9	56.2	41.0	31.9	25.8	21.2	21.2
62.5°	8868.2	5052.6	136.6	100.2	63.7	47.0	33.4	25.8	21.2	18.2	16.7
65°	9185.4	4840.1	115.3	82.0	51.6	37.9	27.3	22.8	18.2	16.7	15.2
67.5°	8338.5	3967.4	95.6	66.8	42.5	31.9	24.3	19.7	16.7	15.2	13.7
70°	6506.6	2815.4	74.4	50.1	34.9	25.8	21.2	18.2	15.2	13.7	13.7
72.5°	4425.7	1665.0	59.2	37.9	28.8	22.8	18.2	16.7	15.2	13.7	12.1
75°	2179.5	591.9	45.5	28.8	22.8	19.7	16.7	15.2	13.7	12.1	12.1
77.5°	587.4	163.9	34.9	22.8	18.2	15.2	15.2	15.2	13.7	10.6	10.6
80°	198.8	68.3	25.8	16.7	15.2	12.1	10.6	13.7	12.1	10.6	9.1
82.5°	109.3	33.4	18.2	13.7	10.6	9.1	9.1	9.1	9.1	7.6	7.6
85°	69.8	18.2	12.1	10.6	10.6	7.6	6.1	6.1	4.6	4.6	4.6
87.5°	31.9	10.6	10.6	9.1	9.1	7.6	4.6	3.0	1.5	1.5	1.5
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)