

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: P639520

Luminaire Tested: GWS-SA5C-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639520
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-SA5C-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14206.2 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

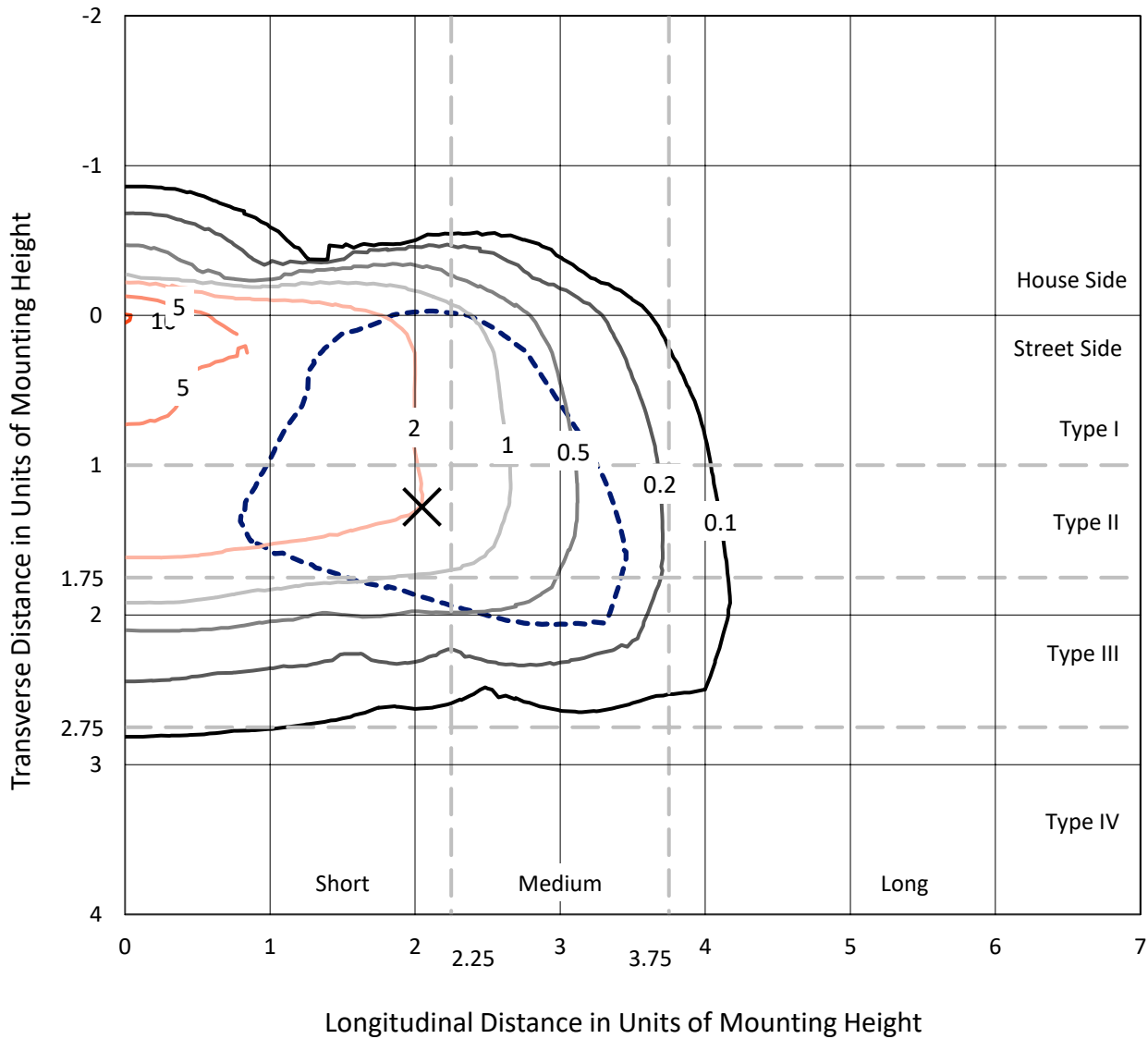
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

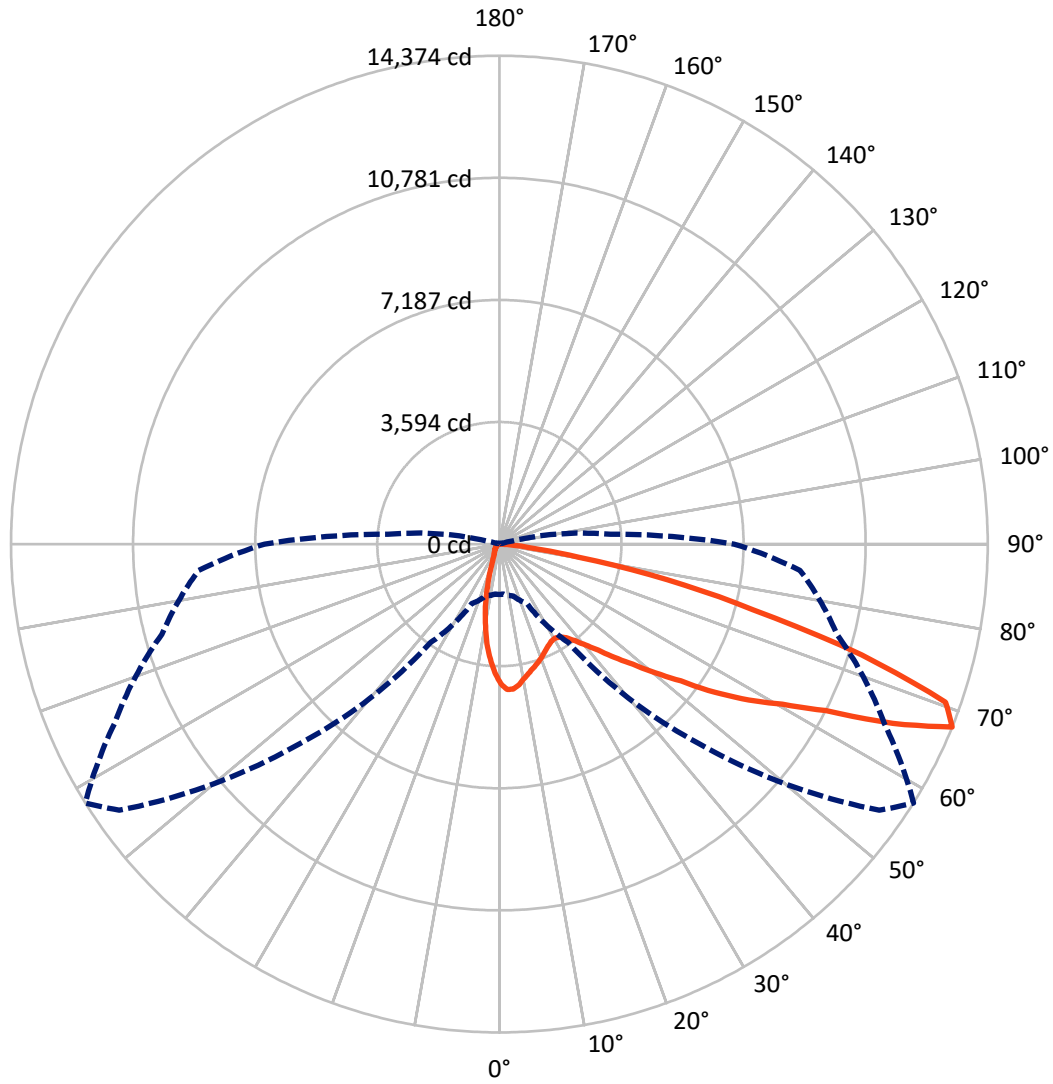
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Short - N/A

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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	1387.9	0.0	1387.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	12818.4	0.0	12818.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	14206.2	0.0	14206.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.0	2.3
10°-20°	693.1	4.9
20°-30°	934.8	6.6
30°-40°	1313.5	9.2
40°-50°	2028.6	14.3
50°-60°	3244.0	22.8
60°-70°	3841.2	27.0
70°-80°	1699.2	12.0
80°-90°	118.8	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°	14206.2	100.0
0°-180°	14206.2	100.0

Coefficient of Utilization



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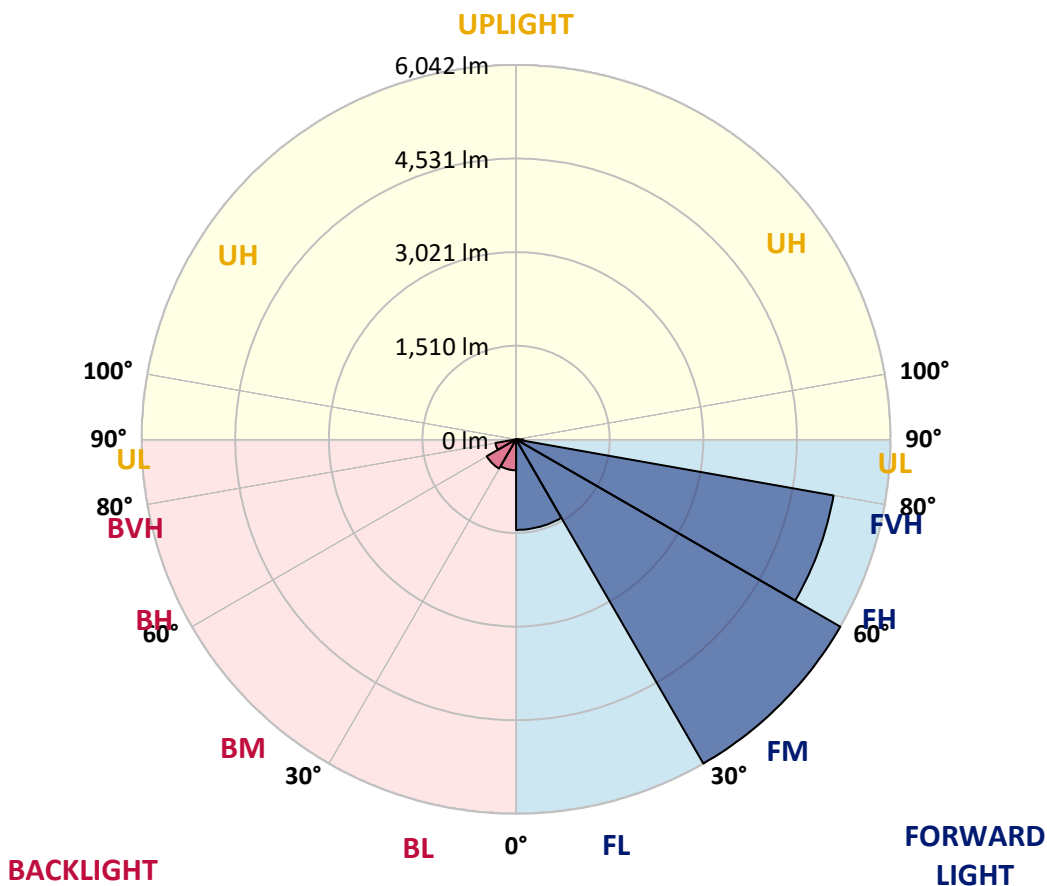
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1461.5	10.3			
FM (30°-60°)	6041.6	42.5			
FH (60°-80°)	5201.6	36.6			G3/7500
FVH (80°-90°)	113.7	0.8			G2/225
BL (0°-30°)	499.4	3.5	B1/500		
BM (30°-60°)	544.6	3.8	B1/1000		
BH (60°-80°)	338.8	2.4	B1/500		G1/500
BVH (80°-90°)	5.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4097.7	4097.7	4097.7	4097.7	4097.7	4097.7	4097.7	4097.7	4097.7	4097.7	4097.7
2.5°	4310.2	4317.8	4327.8	4340.4	4337.9	4326.6	4312.7	4281.3	4261.2	4198.3	4121.6
5°	4171.9	4170.7	4195.8	4219.7	4262.4	4285.1	4316.5	4287.6	4277.5	4202.1	4077.6
7.5°	3901.6	3915.4	3944.3	3982.1	4043.7	4110.3	4185.8	4176.9	4207.1	4156.8	4002.2
10°	3636.3	3628.7	3674.0	3730.6	3824.9	3910.4	4019.8	4018.5	4097.7	4092.7	3916.7
12.5°	3403.7	3402.4	3437.6	3501.7	3612.4	3731.8	3880.2	3884.0	3982.1	4022.3	3843.7
15°	3207.5	3210.0	3244.0	3310.6	3425.0	3570.9	3743.2	3774.6	3885.2	3967.0	3772.1
17.5°	3068.0	3069.2	3089.3	3147.2	3259.1	3415.0	3622.5	3665.2	3807.3	3925.5	3714.2
20°	3003.8	2998.8	3002.6	3031.5	3118.3	3260.3	3499.2	3554.6	3735.6	3896.6	3661.4
22.5°	3012.6	3005.1	2987.5	2983.7	3022.7	3130.8	3368.5	3436.4	3657.7	3879.0	3613.7
25°	3090.6	3074.2	3049.1	3011.4	2996.3	3050.4	3254.0	3324.5	3584.7	3880.2	3577.2
27.5°	3210.0	3192.4	3161.0	3110.7	3051.6	3029.0	3176.1	3242.7	3533.2	3909.1	3559.6
30°	3362.2	3348.3	3318.2	3257.8	3178.6	3085.6	3159.7	3215.1	3508.0	3968.2	3567.1
32.5°	3542.0	3531.9	3506.8	3451.5	3360.9	3218.8	3215.1	3257.8	3528.2	4053.7	3596.0
35°	3715.5	3719.3	3720.5	3690.4	3593.5	3421.3	3367.2	3382.3	3611.1	4182.0	3661.4
37.5°	3902.8	3894.0	3939.3	3960.7	3867.6	3684.1	3602.3	3603.6	3769.6	4371.8	3784.7
40°	4044.9	4047.4	4145.5	4233.5	4194.6	4017.3	3900.3	3899.1	4013.5	4632.1	3983.3
42.5°	4178.2	4194.6	4339.1	4490.0	4544.1	4386.9	4302.7	4271.3	4355.5	4984.2	4281.3
45°	4320.3	4344.2	4546.6	4761.6	4903.7	4810.7	4744.0	4756.6	4766.7	5394.1	4682.4
47.5°	4486.3	4501.3	4751.6	5054.6	5319.9	5296.0	5299.8	5284.7	5279.7	5910.8	5213.0
50°	4687.4	4722.6	5010.6	5372.7	5734.8	5893.2	5946.1	5952.3	5870.6	6474.1	5762.5
52.5°	5114.9	5157.7	5404.1	5721.0	6187.5	6520.7	6735.7	6692.9	6567.2	7019.8	6364.8
55°	5619.1	5651.8	5889.5	6217.6	6740.7	7208.4	7718.9	7701.3	7393.3	7594.5	6860.2
57.5°	5666.9	5703.4	6071.8	6574.7	7451.1	8058.4	8595.3	8651.9	8200.5	8001.8	7302.7
60°	5130.0	5204.2	5707.2	6383.6	7722.7	9201.4	9555.9	9567.2	8792.7	8415.5	7843.4
62.5°	4111.6	4146.8	4653.5	5536.2	7304.0	9867.8	11023.3	10784.4	9553.4	9055.5	8699.7
65°	2155.1	2298.5	2739.8	3716.8	5923.4	9635.1	12788.6	12723.2	10921.4	9972.1	9366.1
67.5°	1478.7	1477.4	1581.8	1937.6	3531.9	8296.1	13654.9	14374.1	12503.2	10286.5	8883.2
70°	1125.3	1129.1	1222.2	1453.5	1829.5	5522.3	12704.4	13934.1	12797.4	9339.7	7184.6
72.5°	746.9	754.4	909.1	1174.4	1461.1	2707.1	9872.8	11149.0	10768.0	7501.4	5057.1
75°	446.4	452.6	563.3	853.7	1298.9	1515.1	6273.0	7707.6	7412.1	5170.3	2710.9
77.5°	183.6	188.6	289.2	531.9	950.6	1176.9	3469.1	5043.3	4439.7	2055.8	740.6
80°	76.7	79.2	139.6	372.2	685.3	738.1	1606.9	2370.1	1819.4	442.6	226.3
82.5°	27.7	28.9	51.6	204.9	426.2	555.8	811.0	936.7	513.0	144.6	122.0
85°	1.3	1.3	12.6	69.2	162.2	157.2	464.0	448.9	169.7	60.4	72.9
87.5°	0.0	0.0	1.3	1.3	2.5	6.3	44.0	78.0	36.5	15.1	31.4
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°	4097.7	4097.7	4097.7	4097.7	4097.7	4097.7	4097.7	4097.7	4097.7	4097.7	4097.7
2.5°	4071.3	4004.7	3931.8	3863.9	3755.7	3691.6	3612.4	3577.2	3526.9	3514.3	3521.9
5°	3988.3	3873.9	3699.2	3540.7	3335.8	3171.1	3005.1	2934.7	2844.1	2783.8	2758.6
7.5°	3871.4	3721.8	3448.9	3161.0	2879.4	2578.8	2350.0	2199.1	2062.1	1986.6	1971.5
10°	3753.2	3558.3	3167.3	2754.9	2318.6	1959.0	1649.7	1420.8	1234.7	1150.5	1085.1
12.5°	3631.3	3388.6	2880.6	2342.5	1835.7	1345.4	963.1	740.6	607.3	554.5	563.3
15°	3519.3	3225.1	2596.4	1930.0	1292.6	812.3	531.9	448.9	417.4	407.4	406.1
17.5°	3412.5	3070.5	2313.5	1528.9	852.5	497.9	407.4	387.3	378.5	373.4	373.4
20°	3315.7	2922.1	2036.9	1151.7	550.7	394.8	368.4	358.3	350.8	347.0	347.0
22.5°	3225.1	2778.8	1766.6	814.8	406.1	354.6	338.2	328.2	319.4	314.3	314.3
25°	3143.4	2649.3	1508.8	560.8	349.5	324.4	306.8	295.5	280.4	271.6	271.6
27.5°	3084.3	2533.6	1261.1	408.6	315.6	291.7	271.6	256.5	240.2	230.1	227.6
30°	3049.1	2435.5	1010.9	335.7	284.2	260.3	237.6	218.8	199.9	189.9	188.6
32.5°	3029.0	2345.0	782.1	293.0	257.8	230.1	204.9	184.8	166.0	154.7	153.4
35°	3036.5	2274.6	585.9	264.0	232.6	203.7	176.0	155.9	139.6	129.5	127.0
37.5°	3101.9	2243.1	440.1	241.4	211.2	181.1	152.1	133.3	118.2	110.6	109.4
40°	3228.9	2249.4	345.8	223.8	193.6	158.4	130.8	113.2	101.8	95.6	94.3
42.5°	3426.3	2302.2	285.4	208.7	174.8	138.3	113.2	99.3	88.0	81.7	80.5
45°	3720.5	2411.6	249.0	191.1	154.7	119.4	98.1	85.5	75.4	67.9	66.6
47.5°	4146.8	2601.5	225.1	174.8	137.1	103.1	84.2	71.7	62.9	56.6	55.3
50°	4600.7	2829.1	204.9	158.4	122.0	89.3	71.7	59.1	51.6	45.3	44.0
52.5°	5084.8	3074.2	189.9	143.3	108.1	76.7	60.4	49.0	41.5	35.2	33.9
55°	5550.0	3320.7	172.3	133.3	91.8	65.4	50.3	40.2	32.7	27.7	27.7
57.5°	6002.6	3547.0	153.4	116.9	75.4	55.3	41.5	32.7	26.4	22.6	21.4
60°	6543.3	3860.1	132.0	99.3	62.9	46.5	33.9	26.4	21.4	17.6	17.6
62.5°	7346.8	4185.8	113.2	83.0	52.8	39.0	27.7	21.4	17.6	15.1	13.8
65°	7609.5	4009.7	95.6	67.9	42.8	31.4	22.6	18.9	15.1	13.8	12.6
67.5°	6907.9	3286.7	79.2	55.3	35.2	26.4	20.1	16.3	13.8	12.6	11.3
70°	5390.3	2332.4	61.6	41.5	28.9	21.4	17.6	15.1	12.6	11.3	11.3
72.5°	3666.5	1379.3	49.0	31.4	23.9	18.9	15.1	13.8	12.6	11.3	10.1
75°	1805.6	490.4	37.7	23.9	18.9	16.3	13.8	12.6	11.3	10.1	10.1
77.5°	486.6	135.8	28.9	18.9	15.1	12.6	12.6	12.6	11.3	8.8	8.8
80°	164.7	56.6	21.4	13.8	12.6	10.1	8.8	11.3	10.1	8.8	7.5
82.5°	90.5	27.7	15.1	11.3	8.8	7.5	7.5	7.5	7.5	6.3	6.3
85°	57.8	15.1	10.1	8.8	8.8	6.3	5.0	5.0	3.8	3.8	3.8
87.5°	26.4	8.8	8.8	7.5	7.5	6.3	3.8	2.5	1.3	1.3	1.3
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)