

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: P635395

Luminaire Tested: GWS-SA3D-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635395
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-SA3D-760-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14379.9 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

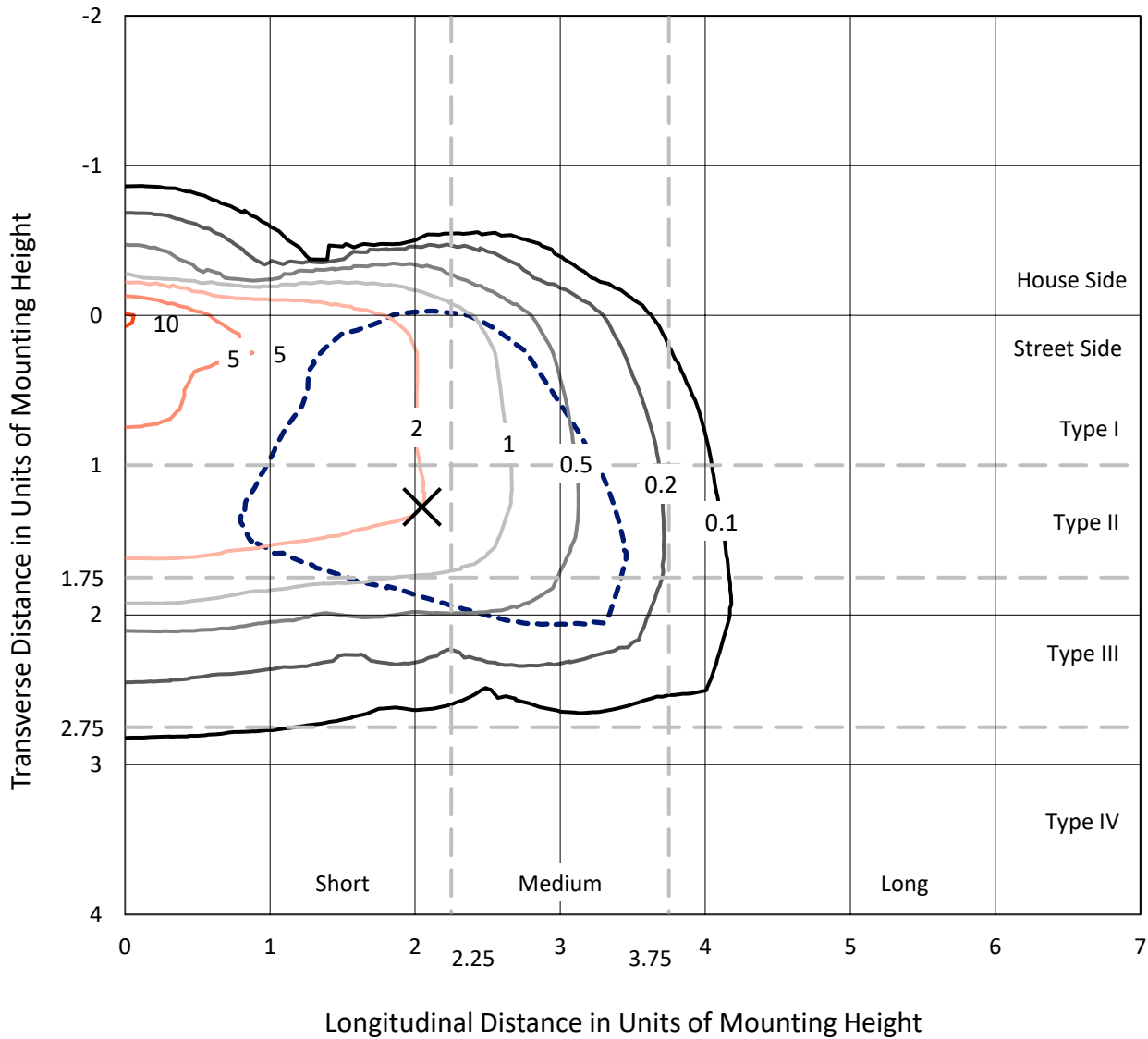
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

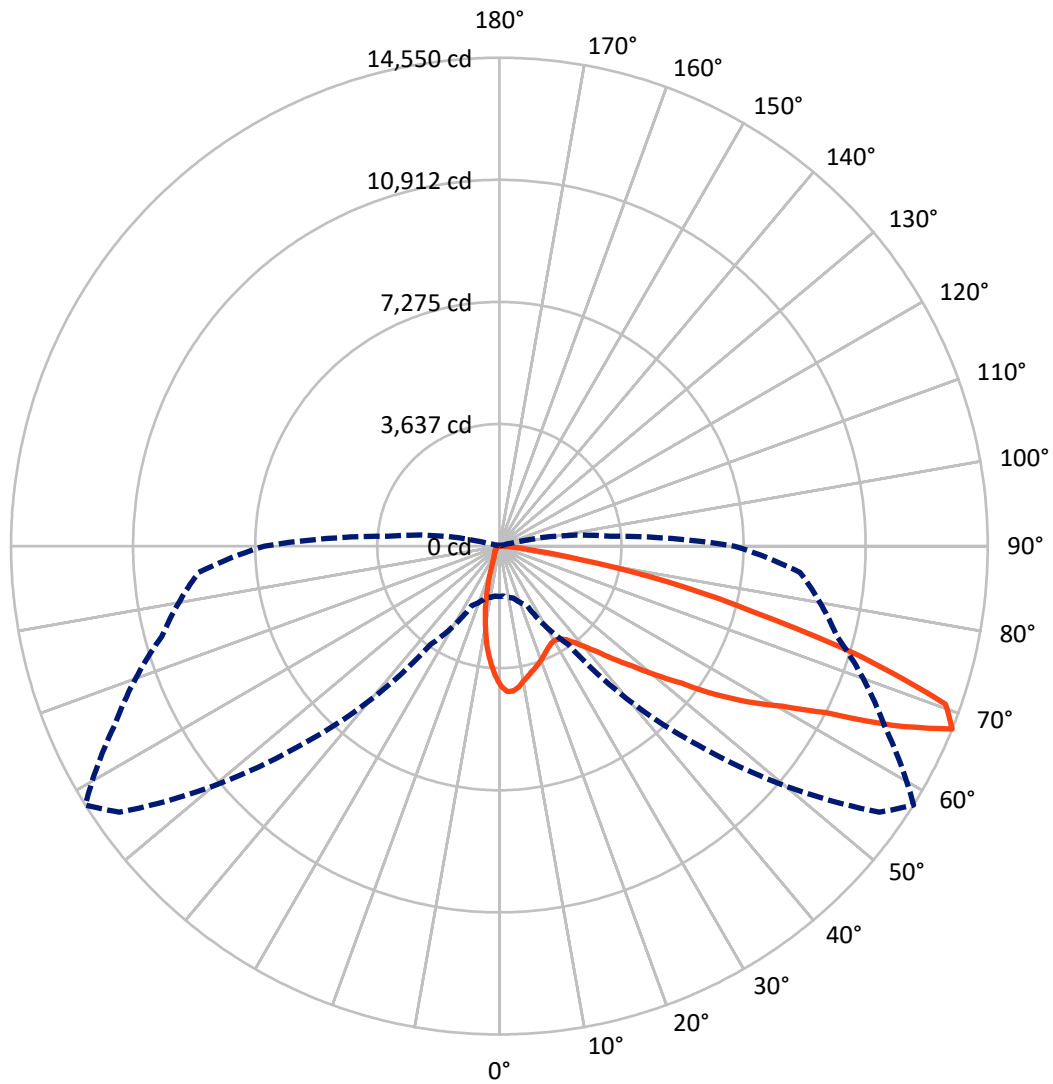
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.4 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	1404.8	0.0	1404.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	12975.1	0.0	12975.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	14379.9	0.0	14379.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.1	2.3
10°-20°	701.6	4.9
20°-30°	946.2	6.6
30°-40°	1329.6	9.2
40°-50°	2053.4	14.3
50°-60°	3283.7	22.8
60°-70°	3888.1	27.0
70°-80°	1720.0	12.0
80°-90°	120.2	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°	14379.9	100.0
0°-180°	14379.9	100.0

Coefficient of Utilization



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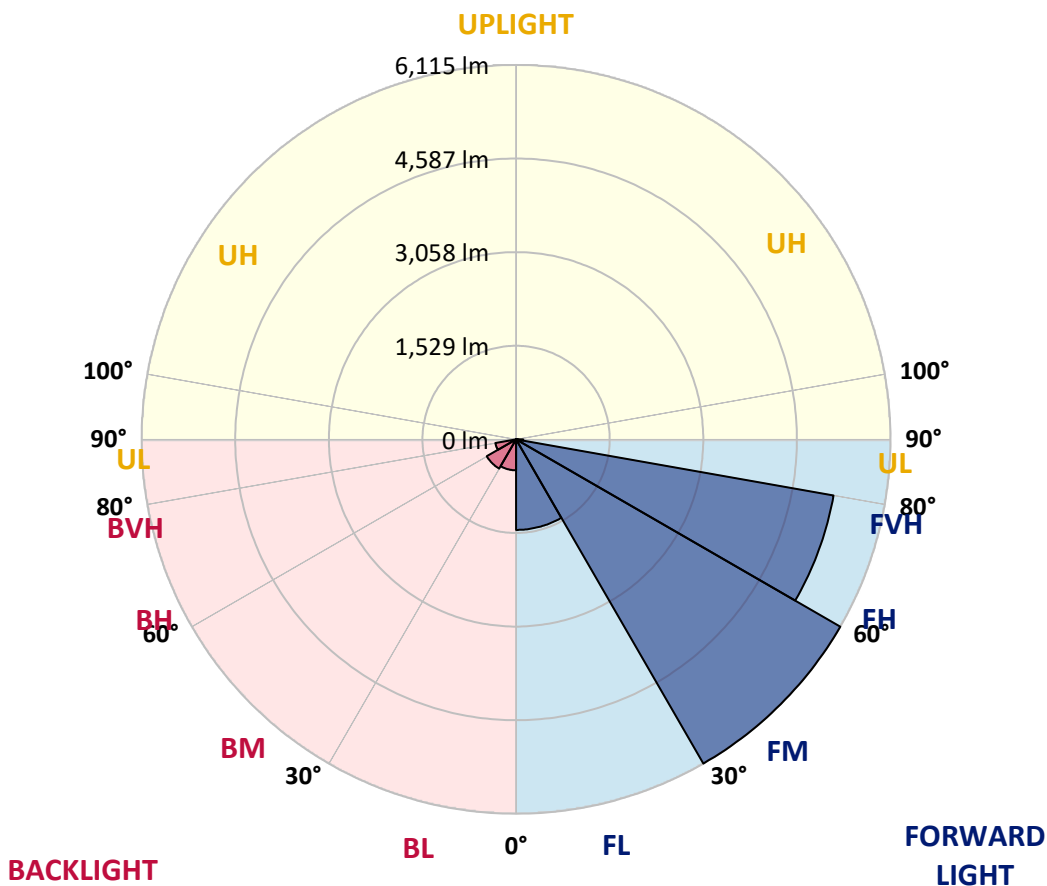
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1479.3	10.3			
FM (30°-60°)	6115.5	42.5			
FH (60°-80°)	5265.2	36.6			G3/7500
FVH (80°-90°)	115.1	0.8			G2/225
BL (0°-30°)	505.5	3.5	B2/1000		
BM (30°-60°)	551.2	3.8	B1/1000		
BH (60°-80°)	343.0	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: 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°	4147.8	4147.8	4147.8	4147.8	4147.8	4147.8	4147.8	4147.8	4147.8	4147.8	4147.8
2.5°	4362.9	4370.6	4380.7	4393.5	4390.9	4379.5	4365.5	4333.7	4313.3	4249.7	4172.0
5°	4222.9	4221.7	4247.1	4271.3	4314.6	4337.5	4369.3	4340.0	4329.8	4253.5	4127.5
7.5°	3949.3	3963.3	3992.6	4030.7	4093.1	4160.6	4236.9	4228.0	4258.6	4207.7	4051.1
10°	3680.7	3673.1	3718.9	3776.2	3871.7	3958.2	4068.9	4067.7	4147.8	4142.7	3964.6
12.5°	3445.3	3444.0	3479.7	3544.6	3656.6	3777.5	3927.7	3931.5	4030.7	4071.5	3890.7
15°	3246.7	3249.3	3283.7	3351.1	3466.9	3614.6	3788.9	3820.7	3932.7	4015.5	3818.2
17.5°	3105.5	3106.7	3127.1	3185.7	3298.9	3456.7	3666.7	3710.0	3853.8	3973.5	3759.7
20°	3040.6	3035.5	3039.3	3068.6	3156.4	3300.2	3542.0	3598.0	3781.3	3944.2	3706.2
22.5°	3049.5	3041.8	3024.0	3020.2	3059.7	3169.1	3409.7	3478.4	3702.4	3926.4	3657.8
25°	3128.4	3111.8	3086.4	3048.2	3032.9	3087.7	3293.8	3365.1	3628.6	3927.7	3620.9
27.5°	3249.3	3231.5	3199.7	3148.7	3088.9	3066.0	3214.9	3282.4	3576.4	3956.9	3603.1
30°	3403.3	3389.3	3358.7	3297.7	3217.5	3123.3	3198.4	3254.4	3550.9	4016.7	3610.7
32.5°	3585.3	3575.1	3549.7	3493.7	3402.0	3258.2	3254.4	3297.7	3571.3	4103.3	3640.0
35°	3760.9	3764.7	3766.0	3735.5	3637.5	3463.1	3408.4	3423.7	3655.3	4233.1	3706.2
37.5°	3950.6	3941.7	3987.5	4009.1	3914.9	3729.1	3646.4	3647.7	3815.7	4425.3	3830.9
40°	4094.4	4096.9	4196.2	4285.3	4245.8	4066.4	3948.0	3946.7	4062.6	4688.7	4032.0
42.5°	4229.3	4245.8	4392.2	4544.9	4599.7	4440.6	4355.3	4323.5	4408.7	5045.1	4333.7
45°	4373.1	4397.3	4602.2	4819.8	4963.7	4869.5	4802.0	4814.8	4824.9	5460.0	4739.7
47.5°	4541.1	4556.4	4809.7	5116.4	5384.9	5360.8	5364.6	5349.3	5344.2	5983.1	5276.8
50°	4744.8	4780.4	5071.8	5438.4	5804.9	5965.3	6018.8	6025.1	5942.4	6553.3	5832.9
52.5°	5177.5	5220.8	5470.2	5790.9	6263.1	6600.4	6818.0	6774.8	6647.5	7105.7	6442.6
55°	5687.8	5720.9	5961.5	6293.7	6823.1	7296.6	7813.3	7795.5	7483.7	7687.3	6944.0
57.5°	5736.2	5773.1	6146.0	6655.1	7542.2	8156.9	8700.4	8757.7	8300.8	8099.7	7392.0
60°	5192.8	5267.8	5776.9	6461.7	7817.1	9313.9	9672.8	9684.2	8900.2	8518.4	7939.3
62.5°	4161.8	4197.5	4710.4	5603.8	7393.3	9988.4	11158.1	10916.2	9670.2	9166.2	8806.0
65°	2181.5	2326.6	2773.3	3762.2	5995.8	9753.0	12945.0	12878.8	11055.0	10094.0	9480.6
67.5°	1496.7	1495.5	1601.1	1961.3	3575.1	8397.5	13821.9	14549.9	12656.1	10412.2	8991.9
70°	1139.1	1142.9	1237.1	1471.3	1851.8	5589.8	12859.7	14104.4	12953.9	9453.9	7272.4
72.5°	756.0	763.6	920.2	1188.7	1478.9	2740.2	9993.5	11285.3	10899.7	7593.1	5118.9
75°	451.8	458.2	570.2	864.2	1314.7	1533.6	6349.7	7801.9	7502.8	5233.5	2744.0
77.5°	185.8	190.9	292.7	538.4	962.2	1191.3	3511.5	5104.9	4494.0	2080.9	749.6
80°	77.6	80.2	141.3	376.7	693.6	747.1	1626.6	2399.1	1841.6	448.0	229.1
82.5°	28.0	29.3	52.2	207.5	431.5	562.5	820.9	948.2	519.3	146.4	123.5
85°	1.3	1.3	12.7	70.0	164.2	159.1	469.6	454.4	171.8	61.1	73.8
87.5°	0.0	0.0	1.3	1.3	2.5	6.4	44.5	78.9	36.9	15.3	31.8
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°	4147.8	4147.8	4147.8	4147.8	4147.8	4147.8	4147.8	4147.8	4147.8	4147.8	4147.8
2.5°	4121.1	4053.7	3979.8	3911.1	3801.7	3736.7	3656.6	3620.9	3570.0	3557.3	3564.9
5°	4037.1	3921.3	3744.4	3584.0	3376.6	3209.8	3041.8	2970.6	2878.9	2817.8	2792.4
7.5°	3918.7	3767.3	3491.1	3199.7	2914.6	2610.4	2378.7	2226.0	2087.3	2010.9	1995.6
10°	3799.1	3601.8	3206.0	2788.6	2346.9	1982.9	1669.8	1438.2	1249.8	1164.6	1098.4
12.5°	3675.7	3430.0	2915.8	2371.1	1858.2	1361.8	974.9	749.6	614.7	561.3	570.2
15°	3562.4	3264.6	2628.2	1953.6	1308.4	822.2	538.4	454.4	422.5	412.4	411.1
17.5°	3454.2	3108.0	2341.8	1547.6	862.9	504.0	412.4	392.0	383.1	378.0	378.0
20°	3356.2	2957.8	2061.8	1165.8	557.5	399.6	372.9	362.7	355.1	351.3	351.3
22.5°	3264.6	2812.7	1788.2	824.7	411.1	358.9	342.4	332.2	323.3	318.2	318.2
25°	3181.8	2681.6	1527.3	567.6	353.8	328.4	310.5	299.1	283.8	274.9	274.9
27.5°	3122.0	2564.6	1276.6	413.6	319.5	295.3	274.9	259.6	243.1	232.9	230.4
30°	3086.4	2465.3	1023.3	339.8	287.6	263.5	240.5	221.5	202.4	192.2	190.9
32.5°	3066.0	2373.6	791.6	296.5	260.9	232.9	207.5	187.1	168.0	156.5	155.3
35°	3073.7	2302.4	593.1	267.3	235.5	206.2	178.2	157.8	141.3	131.1	128.5
37.5°	3139.8	2270.6	445.5	244.4	213.8	183.3	154.0	134.9	119.6	112.0	110.7
40°	3268.4	2276.9	350.0	226.5	196.0	160.4	132.4	114.5	103.1	96.7	95.5
42.5°	3468.2	2330.4	288.9	211.3	176.9	140.0	114.5	100.5	89.1	82.7	81.5
45°	3766.0	2441.1	252.0	193.5	156.5	120.9	99.3	86.5	76.4	68.7	67.5
47.5°	4197.5	2633.3	227.8	176.9	138.7	104.4	85.3	72.5	63.6	57.3	56.0
50°	4656.9	2863.7	207.5	160.4	123.5	90.4	72.5	59.8	52.2	45.8	44.5
52.5°	5146.9	3111.8	192.2	145.1	109.5	77.6	61.1	49.6	42.0	35.6	34.4
55°	5617.8	3361.3	174.4	134.9	92.9	66.2	50.9	40.7	33.1	28.0	28.0
57.5°	6076.0	3590.4	155.3	118.4	76.4	56.0	42.0	33.1	26.7	22.9	21.6
60°	6623.3	3907.3	133.6	100.5	63.6	47.1	34.4	26.7	21.6	17.8	17.8
62.5°	7436.6	4236.9	114.5	84.0	53.5	39.5	28.0	21.6	17.8	15.3	14.0
65°	7702.6	4058.7	96.7	68.7	43.3	31.8	22.9	19.1	15.3	14.0	12.7
67.5°	6992.4	3326.9	80.2	56.0	35.6	26.7	20.4	16.5	14.0	12.7	11.5
70°	5456.2	2360.9	62.4	42.0	29.3	21.6	17.8	15.3	12.7	11.5	11.5
72.5°	3711.3	1396.2	49.6	31.8	24.2	19.1	15.3	14.0	12.7	11.5	10.2
75°	1827.6	496.4	38.2	24.2	19.1	16.5	14.0	12.7	11.5	10.2	10.2
77.5°	492.5	137.5	29.3	19.1	15.3	12.7	12.7	12.7	11.5	8.9	8.9
80°	166.7	57.3	21.6	14.0	12.7	10.2	8.9	11.5	10.2	8.9	7.6
82.5°	91.6	28.0	15.3	11.5	8.9	7.6	7.6	7.6	7.6	6.4	6.4
85°	58.5	15.3	10.2	8.9	8.9	6.4	5.1	5.1	3.8	3.8	3.8
87.5°	26.7	8.9	8.9	7.6	7.6	6.4	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)