

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: P635890

Luminaire Tested: GWS-SA3E-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635890
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-SA3E-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: 17969.9 lumens
Efficiency: N/A
Efficacy: 112.9 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

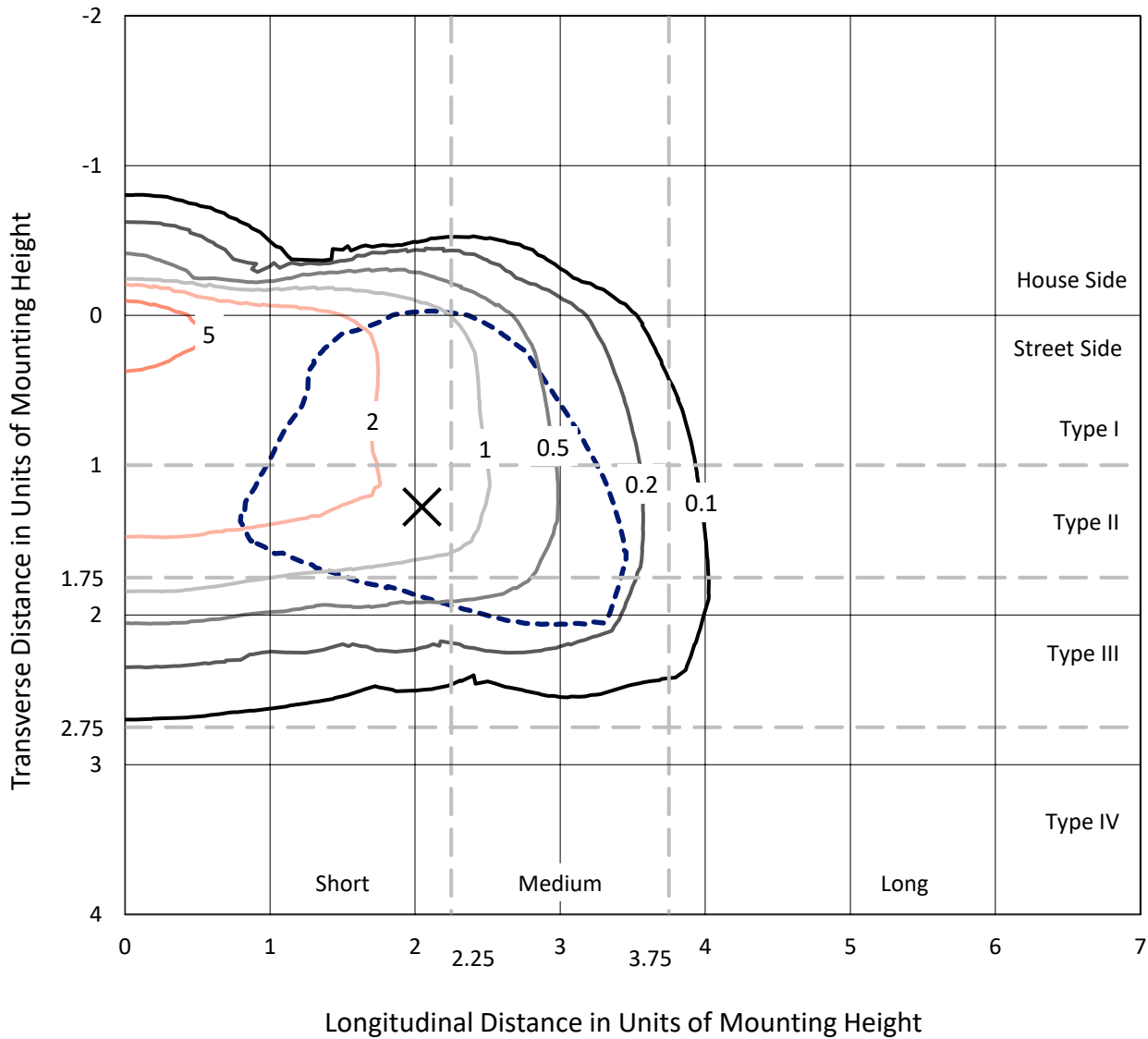
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

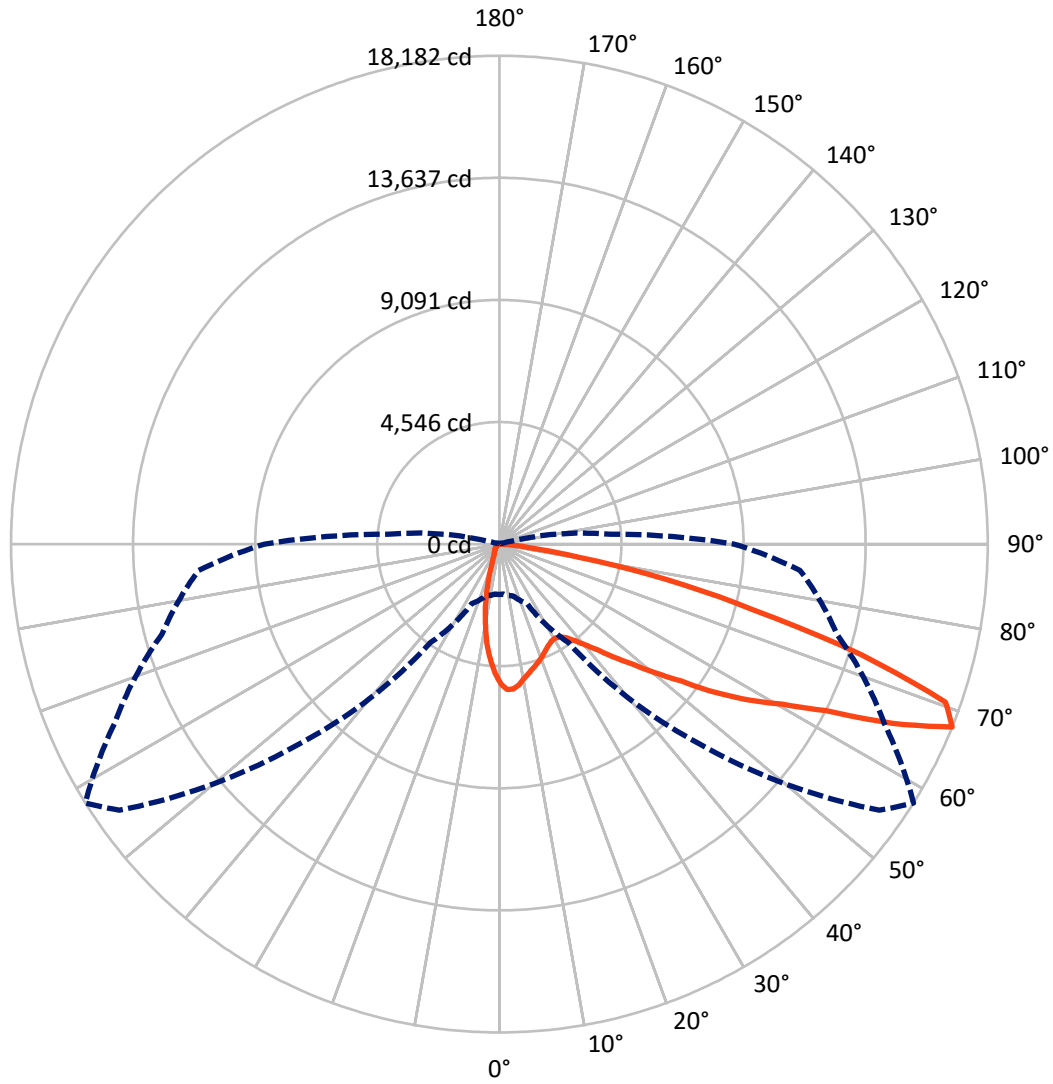
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	1755.5	0.0	1755.5
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	16214.4	0.0	16214.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	17969.9	0.0	17969.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.2	2.3
10°-20°	876.8	4.9
20°-30°	1182.4	6.6
30°-40°	1661.5	9.2
40°-50°	2566.1	14.3
50°-60°	4103.5	22.8
60°-70°	4858.8	27.0
70°-80°	2149.4	12.0
80°-90°	150.3	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°	17969.9	100.0
0°-180°	17969.9	100.0

Coefficient of Utilization

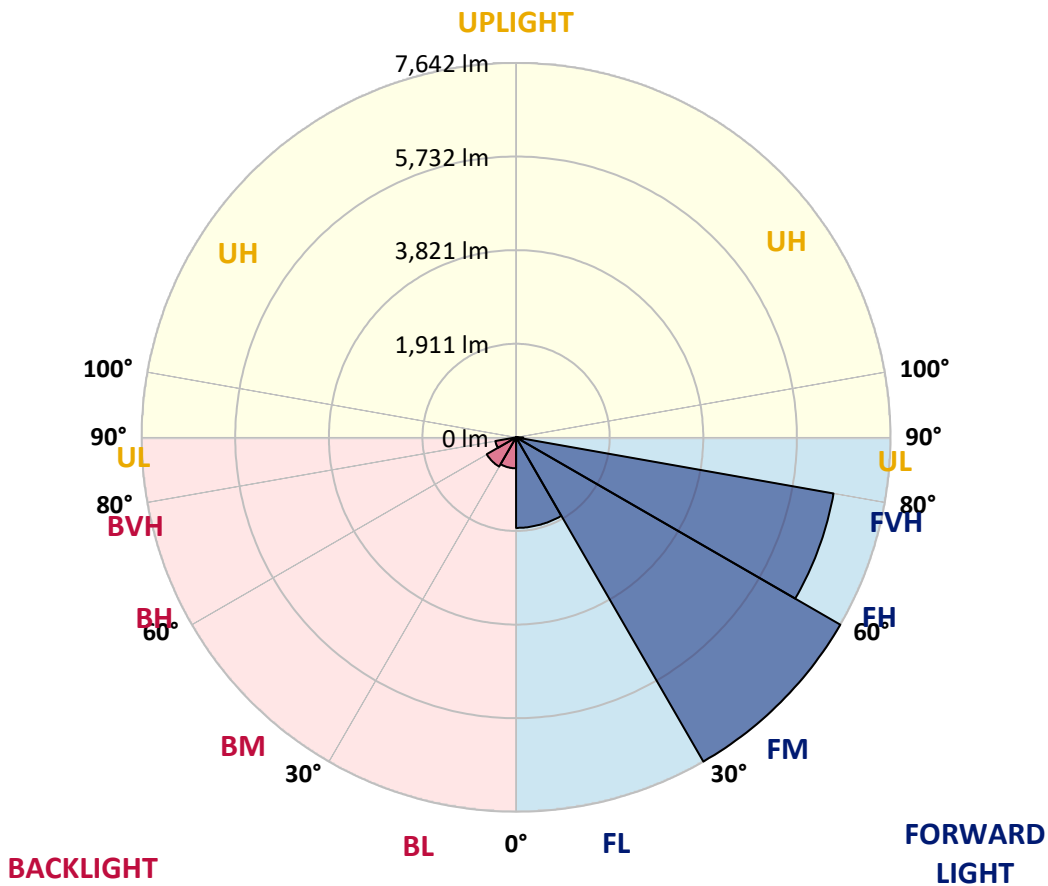


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1848.6	10.3			
FM (30°-60°)	7642.2	42.5			
FH (60°-80°)	6579.6	36.6			G3/7500
FVH (80°-90°)	143.9	0.8			G2/225
BL (0°-30°)	631.7	3.5	B2/1000		
BM (30°-60°)	688.8	3.8	B1/1000		
BH (60°-80°)	428.6	2.4	B1/500		G1/500
BVH (80°-90°)	6.4	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°	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4
2.5°	5452.2	5461.7	5474.4	5490.3	5487.1	5472.8	5455.3	5415.6	5390.1	5310.6	5213.6
5°	5277.2	5275.6	5307.4	5337.6	5391.7	5420.3	5460.1	5423.5	5410.8	5315.4	5157.9
7.5°	4935.2	4952.7	4989.3	5037.0	5115.0	5199.3	5294.7	5283.6	5321.7	5258.1	5062.5
10°	4599.7	4590.1	4647.4	4718.9	4838.2	4946.4	5084.8	5083.2	5183.4	5177.0	4954.3
12.5°	4305.4	4303.8	4348.4	4429.5	4569.4	4720.5	4908.2	4913.0	5037.0	5087.9	4862.1
15°	4057.3	4060.5	4103.4	4187.7	4332.5	4517.0	4734.8	4774.6	4914.6	5018.0	4771.4
17.5°	3880.8	3882.4	3907.8	3981.0	4122.5	4319.7	4582.2	4636.2	4816.0	4965.5	4698.3
20°	3799.6	3793.3	3798.1	3834.6	3944.4	4124.1	4426.3	4496.3	4725.3	4928.9	4631.5
22.5°	3810.8	3801.2	3779.0	3774.2	3823.5	3960.3	4260.9	4346.8	4626.7	4906.6	4571.0
25°	3909.4	3888.7	3856.9	3809.2	3790.1	3858.5	4116.2	4205.2	4534.4	4908.2	4524.9
27.5°	4060.5	4038.2	3998.5	3934.8	3860.1	3831.5	4017.5	4101.8	4469.2	4944.8	4502.6
30°	4252.9	4235.4	4197.3	4120.9	4020.7	3903.0	3996.9	4066.8	4437.4	5019.5	4512.2
32.5°	4480.4	4467.6	4435.8	4365.9	4251.3	4071.6	4066.8	4120.9	4462.9	5127.7	4548.8
35°	4699.9	4704.6	4706.2	4668.0	4545.6	4327.7	4259.3	4278.4	4567.8	5289.9	4631.5
37.5°	4936.8	4925.7	4983.0	5010.0	4892.3	4660.1	4556.7	4558.3	4768.2	5530.1	4787.3
40°	5116.6	5119.7	5243.8	5355.1	5305.8	5081.6	4933.7	4932.1	5076.8	5859.3	5038.6
42.5°	5285.2	5305.8	5488.7	5679.6	5748.0	5549.2	5442.6	5402.8	5509.4	6304.6	5415.6
45°	5464.9	5495.1	5751.2	6023.1	6202.9	6085.2	6000.9	6016.8	6029.5	6823.1	5922.9
47.5°	5674.8	5693.9	6010.4	6393.7	6729.3	6699.1	6703.9	6684.8	6678.4	7476.8	6594.1
50°	5929.3	5973.8	6338.0	6796.1	7254.2	7454.6	7521.4	7529.3	7425.9	8189.4	7289.2
52.5°	6470.1	6524.1	6835.9	7236.7	7826.7	8248.2	8520.2	8466.1	8307.1	8879.6	8051.0
55°	7107.8	7149.2	7449.8	7864.9	8526.5	9118.2	9763.9	9741.7	9352.0	9606.5	8677.6
57.5°	7168.3	7214.4	7680.4	8316.6	9425.2	10193.4	10872.5	10944.1	10373.1	10121.8	9237.5
60°	6489.1	6583.0	7219.2	8074.8	9768.7	11639.1	12087.6	12101.9	11122.2	10645.1	9921.4
62.5°	5200.9	5245.4	5886.4	7002.9	9239.1	12482.1	13943.7	13641.5	12084.4	11454.6	11004.5
65°	2726.1	2907.4	3465.6	4701.4	7492.7	12187.8	16176.7	16094.0	13814.9	12614.1	11847.5
67.5°	1870.4	1868.8	2000.8	2450.9	4467.6	10494.0	17272.6	18182.3	15815.7	13011.7	11236.7
70°	1423.5	1428.2	1545.9	1838.6	2314.1	6985.4	16070.2	17625.7	16187.9	11814.1	9088.0
72.5°	944.7	954.3	1149.9	1485.5	1848.1	3424.3	12488.4	14102.8	13620.8	9488.8	6396.9
75°	564.6	572.6	712.5	1079.9	1643.0	1916.5	7934.9	9749.6	9375.9	6540.0	3429.1
77.5°	232.2	238.6	365.8	672.8	1202.4	1488.7	4388.1	6379.4	5616.0	2600.4	936.8
80°	97.0	100.2	176.5	470.8	866.8	933.6	2032.6	2998.0	2301.4	559.8	286.3
82.5°	35.0	36.6	65.2	259.2	539.2	703.0	1025.9	1184.9	648.9	182.9	154.3
85°	1.6	1.6	15.9	87.5	205.2	198.8	586.9	567.8	214.7	76.3	92.2
87.5°	0.0	0.0	1.6	1.6	3.2	8.0	55.7	98.6	46.1	19.1	39.8
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°	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4	5183.4
2.5°	5150.0	5065.7	4973.4	4887.5	4750.8	4669.6	4569.4	4524.9	4461.3	4445.4	4454.9
5°	5045.0	4900.3	4679.2	4478.8	4219.5	4011.2	3801.2	3712.2	3597.7	3521.3	3489.5
7.5°	4897.1	4707.8	4362.7	3998.5	3642.2	3262.1	2972.6	2781.7	2608.4	2513.0	2493.9
10°	4747.6	4501.0	4006.4	3484.7	2932.8	2478.0	2086.7	1797.2	1561.8	1455.3	1372.6
12.5°	4593.3	4286.3	3643.8	2963.1	2322.1	1701.8	1218.3	936.8	768.2	701.4	712.5
15°	4451.7	4079.6	3284.3	2441.4	1635.0	1027.4	672.8	567.8	528.0	515.3	513.7
17.5°	4316.6	3883.9	2926.5	1934.0	1078.3	629.8	515.3	489.9	478.7	472.4	472.4
20°	4194.1	3696.3	2576.6	1456.9	696.6	499.4	466.0	453.3	443.7	439.0	439.0
22.5°	4079.6	3515.0	2234.6	1030.6	513.7	448.5	427.8	415.1	404.0	397.6	397.6
25°	3976.2	3351.1	1908.6	709.4	442.2	410.3	388.1	373.8	354.7	343.5	343.5
27.5°	3901.4	3204.8	1595.2	516.9	399.2	369.0	343.5	324.5	303.8	291.1	287.9
30°	3856.9	3080.8	1278.7	424.7	359.4	329.2	300.6	276.7	252.9	240.2	238.6
32.5°	3831.5	2966.2	989.3	370.6	326.0	291.1	259.2	233.8	209.9	195.6	194.0
35°	3841.0	2877.2	741.2	334.0	294.2	257.7	222.7	197.2	176.5	163.8	160.6
37.5°	3923.7	2837.4	556.7	305.4	267.2	229.0	192.4	168.6	149.5	140.0	138.4
40°	4084.3	2845.4	437.4	283.1	244.9	200.4	165.4	143.1	128.8	120.9	119.3
42.5°	4334.0	2912.2	361.0	264.0	221.1	175.0	143.1	125.6	111.3	103.4	101.8
45°	4706.2	3050.5	314.9	241.8	195.6	151.1	124.1	108.2	95.4	85.9	84.3
47.5°	5245.4	3290.7	284.7	221.1	173.4	130.4	106.6	90.7	79.5	71.6	70.0
50°	5819.6	3578.6	259.2	200.4	154.3	112.9	90.7	74.8	65.2	57.3	55.7
52.5°	6431.9	3888.7	240.2	181.3	136.8	97.0	76.3	62.0	52.5	44.5	42.9
55°	7020.4	4200.4	217.9	168.6	116.1	82.7	63.6	50.9	41.4	35.0	35.0
57.5°	7592.9	4486.7	194.0	147.9	95.4	70.0	52.5	41.4	33.4	28.6	27.0
60°	8276.8	4882.8	167.0	125.6	79.5	58.8	42.9	33.4	27.0	22.3	22.3
62.5°	9293.2	5294.7	143.1	105.0	66.8	49.3	35.0	27.0	22.3	19.1	17.5
65°	9625.6	5072.0	120.9	85.9	54.1	39.8	28.6	23.9	19.1	17.5	15.9
67.5°	8738.1	4157.5	100.2	70.0	44.5	33.4	25.4	20.7	17.5	15.9	14.3
70°	6818.4	2950.3	77.9	52.5	36.6	27.0	22.3	19.1	15.9	14.3	14.3
72.5°	4637.8	1744.8	62.0	39.8	30.2	23.9	19.1	17.5	15.9	14.3	12.7
75°	2283.9	620.3	47.7	30.2	23.9	20.7	17.5	15.9	14.3	12.7	12.7
77.5°	615.5	171.8	36.6	23.9	19.1	15.9	15.9	15.9	14.3	11.1	11.1
80°	208.4	71.6	27.0	17.5	15.9	12.7	11.1	14.3	12.7	11.1	9.5
82.5°	114.5	35.0	19.1	14.3	11.1	9.5	9.5	9.5	9.5	8.0	8.0
85°	73.2	19.1	12.7	11.1	11.1	8.0	6.4	6.4	4.8	4.8	4.8
87.5°	33.4	11.1	11.1	9.5	9.5	8.0	4.8	3.2	1.6	1.6	1.6
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)