

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: P636400

Luminaire Tested: GWS-SA3F-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18477.9 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G3

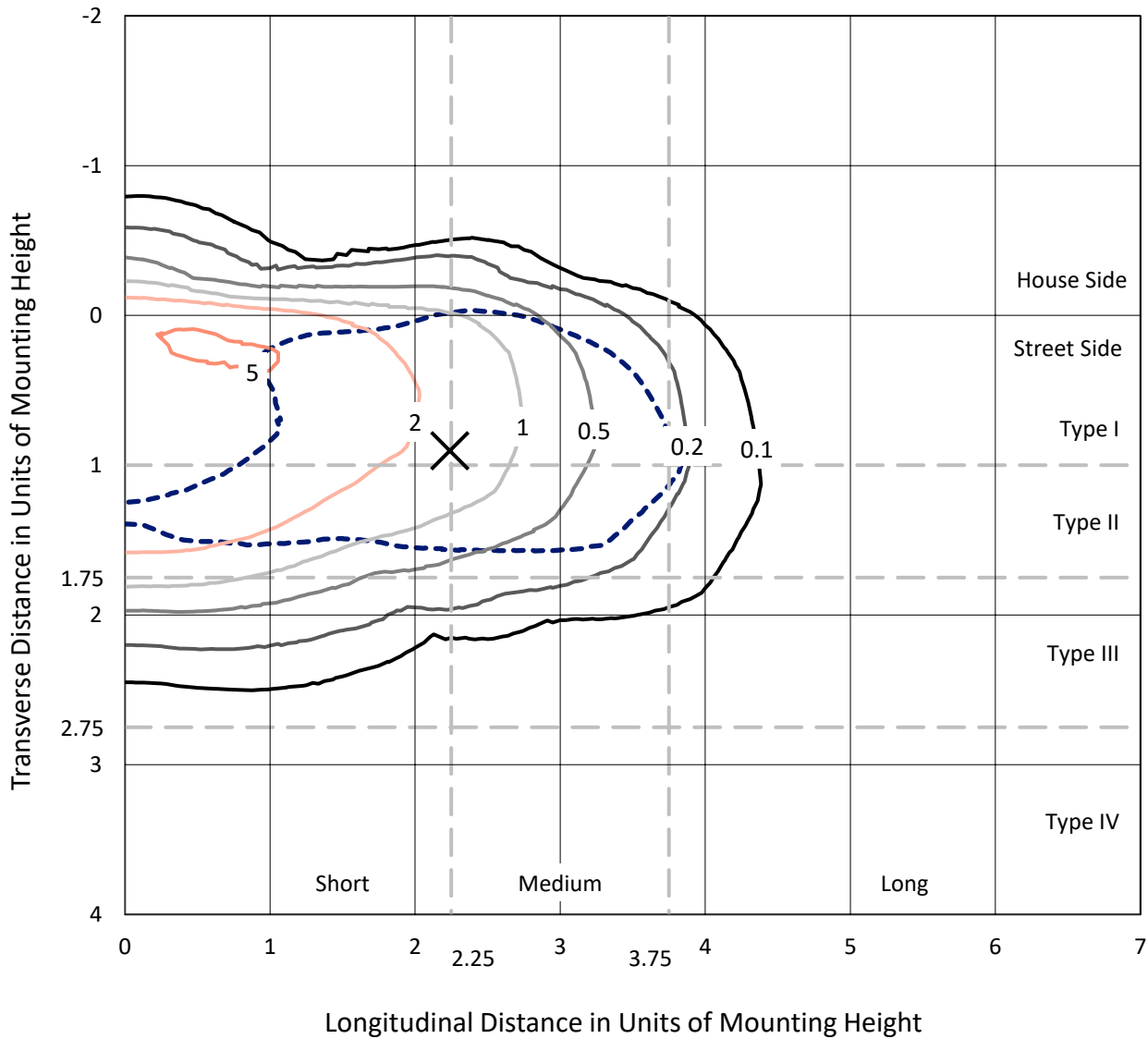
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636400
 CATALOG NUMBER: GWS-SA3F-760-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

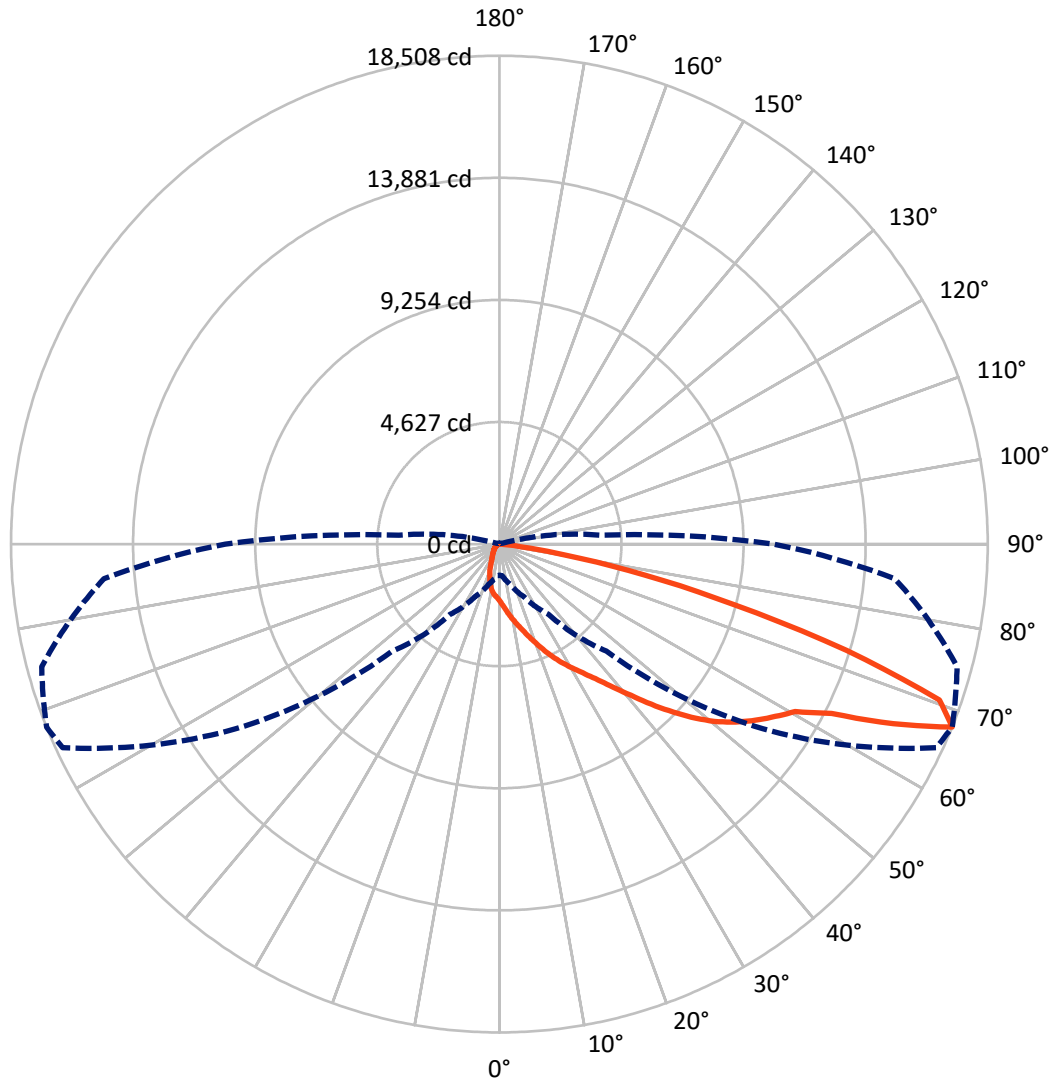
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Short - N/A

REPORT NUMBER: P636400
CATALOG NUMBER: GWS-SA3F-760-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P636400

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1334.3	0.0	1334.3
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	17143.6	0.0	17143.6
	% Fixture	92.8	0.0	92.8
Total	Lumens	18477.9	0.0	18477.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	1.1
10°-20°	602.3	3.3
20°-30°	1035.0	5.6
30°-40°	1799.5	9.7
40°-50°	3139.9	17.0
50°-60°	4735.8	25.6
60°-70°	4748.7	25.7
70°-80°	2095.1	11.3
80°-90°	111.9	0.6
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°	18477.9	100.0
0°-180°	18477.9	100.0

Coefficient of Utilization



REPORT NUMBER: P636400

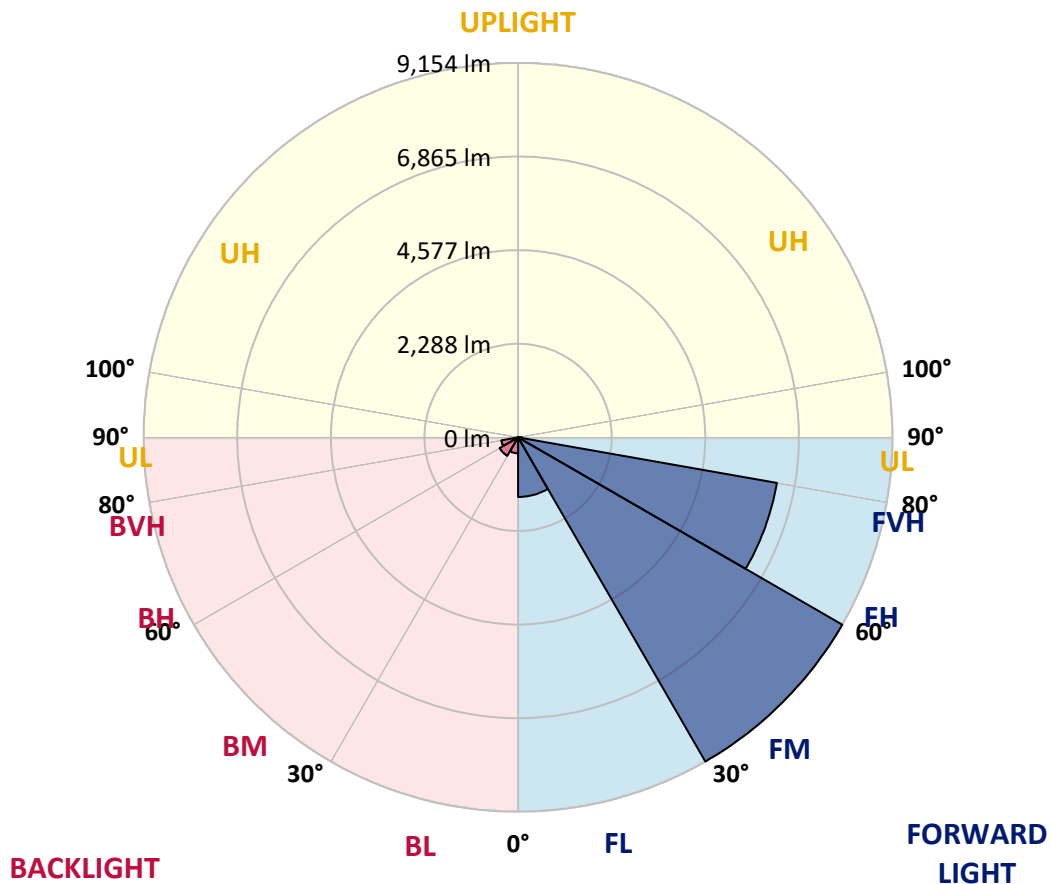
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1456.6	7.9			
FM (30°-60°)	9153.9	49.5			
FH (60°-80°)	6427.5	34.8			G3/7500
FVH (80°-90°)	105.6	0.6			G2/225
BL (0°-30°)	390.4	2.1	B1/500		
BM (30°-60°)	521.2	2.8	B1/1000		
BH (60°-80°)	416.4	2.3	B1/500		G1/500
BVH (80°-90°)	6.3	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 II Short





REPORT NUMBER: P636400

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	2150.4	2150.4	2150.4	2150.4	2150.4	2150.4	2150.4	2150.4	2150.4	2150.4	2150.4
2.5°	2504.0	2520.0	2504.0	2507.6	2461.6	2440.4	2394.4	2330.7	2314.8	2274.1	2212.3
5°	2810.0	2824.1	2808.2	2804.7	2751.6	2712.7	2636.7	2527.0	2495.2	2415.6	2293.6
7.5°	2976.2	2985.0	2990.3	2999.2	2979.7	2947.9	2878.9	2742.8	2709.2	2580.1	2408.5
10°	2993.9	3001.0	3027.5	3080.5	3119.4	3138.9	3100.0	2974.4	2921.4	2795.8	2550.0
12.5°	2944.4	2955.0	2997.4	3085.8	3193.7	3292.7	3317.5	3207.9	3160.1	2999.2	2716.2
15°	2878.9	2887.8	2946.1	3066.4	3229.1	3411.2	3513.8	3466.0	3413.0	3245.0	2900.2
17.5°	2778.1	2790.5	2871.9	3034.6	3245.0	3504.9	3726.0	3741.9	3704.8	3522.6	3103.5
20°	2721.5	2730.4	2802.9	2970.9	3234.4	3573.9	3924.0	4074.4	4033.7	3842.7	3336.9
22.5°	2769.3	2776.4	2824.1	2955.0	3199.0	3612.8	4108.0	4406.8	4383.8	4185.8	3582.8
25°	3020.4	3043.4	3015.1	3038.1	3214.9	3634.0	4256.5	4739.3	4744.6	4544.8	3837.4
27.5°	3529.7	3499.6	3432.4	3317.5	3338.7	3690.6	4383.8	5052.3	5098.3	4894.9	4063.8
30°	4047.8	4030.2	3989.5	3810.9	3662.3	3816.2	4491.7	5372.4	5444.9	5239.7	4265.3
32.5°	4629.6	4647.3	4574.8	4360.8	4108.0	4070.8	4603.1	5676.5	5812.7	5630.5	4502.3
35°	5324.6	5329.9	5186.7	4949.7	4663.2	4491.7	4802.9	6012.5	6263.6	6129.2	4818.9
37.5°	6001.9	6033.7	5955.9	5582.8	5328.1	5015.1	5133.6	6444.0	6797.7	6744.6	5216.7
40°	6601.4	6650.9	6626.1	6265.4	5931.2	5667.7	5646.5	6949.8	7443.1	7503.3	5742.0
42.5°	7078.9	7110.7	7130.1	6873.7	6578.4	6429.9	6279.5	7536.9	8205.3	8451.1	6385.6
45°	7582.8	7593.5	7634.1	7460.8	7202.6	7215.0	7027.6	8249.5	9008.2	9501.5	7124.8
47.5°	8224.8	8260.1	8240.7	8058.5	7825.1	7964.8	7800.4	8983.4	9800.4	10622.7	7881.7
50°	9006.4	9043.5	9025.8	8813.6	8553.7	8612.0	8509.5	9696.1	10564.3	11680.2	8511.2
52.5°	9409.6	9439.6	9658.9	9754.4	9618.3	9246.9	9114.3	10479.5	11209.8	12550.2	9089.5
55°	9215.1	9236.3	9713.7	10116.9	10615.6	10244.3	9722.6	11084.2	11779.2	13229.3	9519.2
57.5°	8408.7	8523.6	9172.6	9855.2	10903.9	11229.3	10709.3	11742.1	12327.4	13701.5	9941.9
60°	6755.2	6749.9	7680.1	8905.6	10341.5	11499.8	12102.8	12631.6	12877.4	14064.0	10507.8
62.5°	3733.1	3766.7	5004.5	6619.1	8778.3	10799.5	13148.0	14168.3	14131.2	14697.1	11393.7
65°	1858.6	1925.8	2597.8	3791.4	5841.0	8925.0	13328.3	16513.2	16407.1	16187.8	13224.0
67.5°	1179.5	1206.0	1577.4	2203.4	3246.8	5736.6	12205.4	18262.1	18507.9	17956.2	15040.1
70°	763.9	808.2	1096.4	1506.7	1959.4	2956.7	8941.0	17128.6	17692.7	17761.7	13908.4
72.5°	415.6	447.4	700.3	1075.2	1414.7	1478.4	5022.2	12854.4	13761.6	15066.7	10880.9
75°	237.0	260.0	383.7	730.3	1038.0	900.1	2226.4	8605.0	9183.2	10767.7	7796.8
77.5°	143.2	162.7	215.7	355.4	650.8	601.3	841.8	5238.0	5605.8	6424.5	4092.0
80°	65.4	77.8	136.2	196.3	355.4	284.7	321.8	2442.1	2521.7	2636.7	1354.6
82.5°	30.1	35.4	61.9	116.7	201.6	164.5	123.8	564.1	794.0	751.6	344.8
85°	3.5	3.5	23.0	47.7	56.6	42.4	51.3	127.3	160.9	226.4	99.0
87.5°	0.0	0.0	1.8	1.8	3.5	5.3	10.6	15.9	23.0	37.1	24.8
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°	2150.4	2150.4	2150.4	2150.4	2150.4	2150.4	2150.4	2150.4	2150.4	2150.4	2150.4
2.5°	2184.0	2134.4	2090.2	2024.8	1980.6	1931.1	1897.5	1856.8	1840.9	1828.5	1810.8
5°	2233.5	2153.9	2046.0	1925.8	1826.7	1733.0	1646.4	1589.8	1540.3	1533.2	1508.4
7.5°	2314.8	2196.3	2014.2	1817.9	1649.9	1494.3	1372.3	1273.2	1223.7	1207.8	1179.5
10°	2422.7	2260.0	1966.4	1665.8	1423.6	1237.9	1099.9	988.5	910.7	882.4	861.2
12.5°	2542.9	2318.4	1890.4	1478.4	1202.5	990.3	815.2	696.7	647.2	629.5	613.6
15°	2680.9	2373.2	1770.2	1290.9	986.8	728.6	604.8	553.5	532.3	527.0	521.7
17.5°	2813.5	2408.5	1626.9	1096.4	758.6	565.9	507.5	488.1	482.8	477.5	473.9
20°	2963.8	2433.3	1458.9	912.5	588.9	479.2	450.9	436.8	426.2	415.6	413.8
22.5°	3117.7	2433.3	1276.8	732.1	493.4	429.7	397.9	371.4	351.9	341.3	337.8
25°	3264.4	2399.7	1096.4	585.3	435.0	382.0	341.3	311.2	284.7	272.3	268.8
27.5°	3368.8	2313.0	939.0	495.1	394.4	339.5	290.0	256.4	235.2	222.8	221.0
30°	3434.2	2184.0	794.0	442.1	359.0	295.3	245.8	217.5	201.6	192.8	189.2
32.5°	3483.7	2024.8	664.9	405.0	325.4	256.4	214.0	191.0	176.8	169.8	168.0
35°	3582.8	1874.5	569.4	371.4	290.0	224.6	187.4	169.8	159.2	150.3	148.5
37.5°	3720.7	1748.9	493.4	341.3	256.4	199.8	169.8	153.8	145.0	136.2	134.4
40°	3924.0	1669.4	436.8	311.2	226.4	180.4	155.6	141.5	129.1	120.3	118.5
42.5°	4237.1	1632.2	399.7	281.2	199.8	162.7	143.2	125.6	113.2	104.3	102.6
45°	4610.2	1651.7	367.8	251.1	182.1	150.3	127.3	109.6	97.3	88.4	86.7
47.5°	5009.8	1720.6	341.3	222.8	164.5	137.9	113.2	93.7	83.1	74.3	72.5
50°	5427.2	1833.8	318.3	196.3	150.3	123.8	97.3	81.3	70.7	63.7	61.9
52.5°	5789.7	1987.7	295.3	176.8	137.9	109.6	84.9	70.7	60.1	53.1	51.3
55°	6136.3	2132.7	277.6	159.2	123.8	95.5	74.3	60.1	51.3	44.2	42.4
57.5°	6513.0	2286.5	256.4	143.2	111.4	84.9	65.4	51.3	44.2	37.1	35.4
60°	7061.2	2514.6	224.6	130.9	97.3	74.3	56.6	46.0	38.9	30.1	28.3
62.5°	7851.6	2930.2	189.2	113.2	83.1	63.7	47.7	38.9	31.8	24.8	21.2
65°	9330.0	3637.6	155.6	93.7	67.2	53.1	40.7	31.8	24.8	17.7	15.9
67.5°	10394.6	3821.5	125.6	76.0	54.8	40.7	33.6	24.8	17.7	12.4	10.6
70°	9087.7	2744.5	97.3	61.9	46.0	31.8	26.5	19.5	12.4	8.8	7.1
72.5°	6847.2	1793.1	72.5	47.7	35.4	26.5	19.5	15.9	10.6	7.1	5.3
75°	4825.9	1036.3	53.1	35.4	24.8	19.5	15.9	12.4	8.8	5.3	5.3
77.5°	2474.0	427.9	37.1	24.8	17.7	12.4	10.6	7.1	7.1	5.3	3.5
80°	751.6	141.5	21.2	15.9	12.4	8.8	5.3	5.3	5.3	3.5	1.8
82.5°	171.5	46.0	12.4	12.4	8.8	7.1	5.3	1.8	1.8	0.0	0.0
85°	44.2	14.1	10.6	8.8	8.8	7.1	3.5	1.8	0.0	0.0	0.0
87.5°	15.9	8.8	8.8	8.8	7.1	5.3	3.5	0.0	0.0	0.0	0.0
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)