

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: P636345

Luminaire Tested: GWS-SA3F-750-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636345
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18734.6 lumens
Efficiency: N/A
Efficacy: 102.3 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

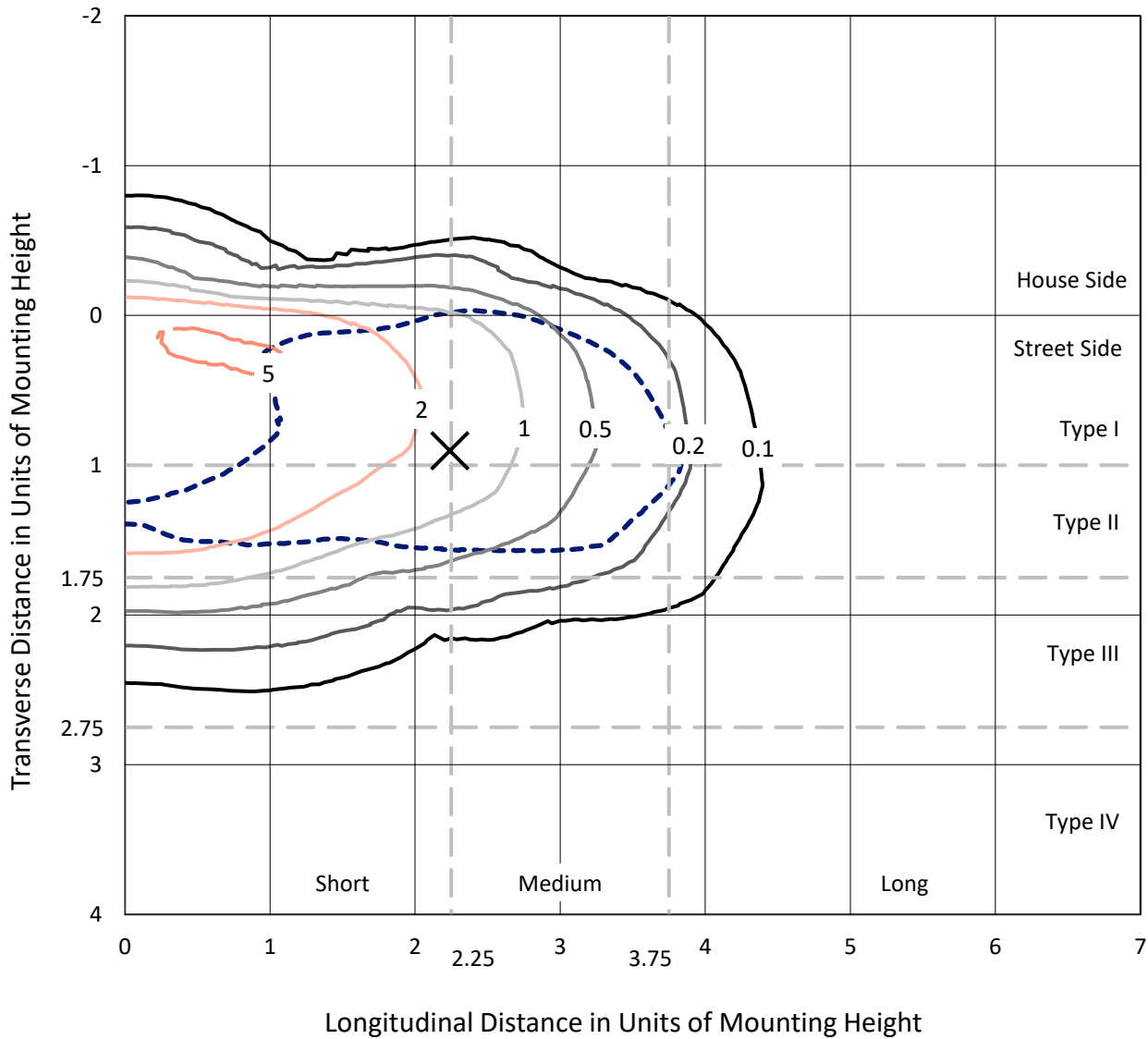
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636345
 CATALOG NUMBER: GWS-SA3F-750-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

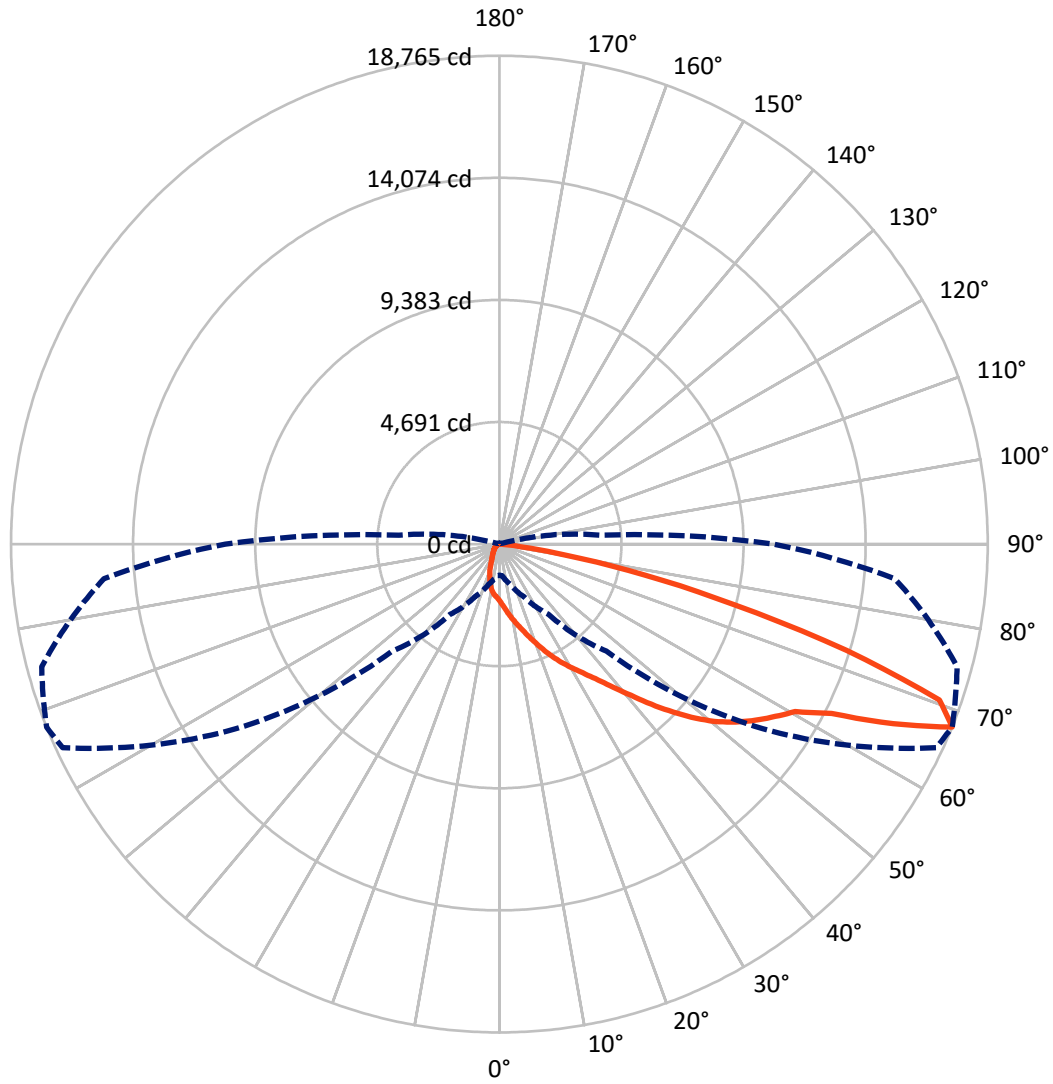
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - N/A

REPORT NUMBER: P636345
CATALOG NUMBER: GWS-SA3F-750-U-T2-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636345

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1352.9	0.0	1352.9
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	17381.7	0.0	17381.7
	% Fixture	92.8	0.0	92.8
Total	Lumens	18734.6	0.0	18734.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.6	1.1
10°-20°	610.6	3.3
20°-30°	1049.4	5.6
30°-40°	1824.5	9.7
40°-50°	3183.5	17.0
50°-60°	4801.6	25.6
60°-70°	4814.7	25.7
70°-80°	2124.2	11.3
80°-90°	113.5	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°	18734.6	100.0
0°-180°	18734.6	100.0

Coefficient of Utilization



REPORT NUMBER: P636345

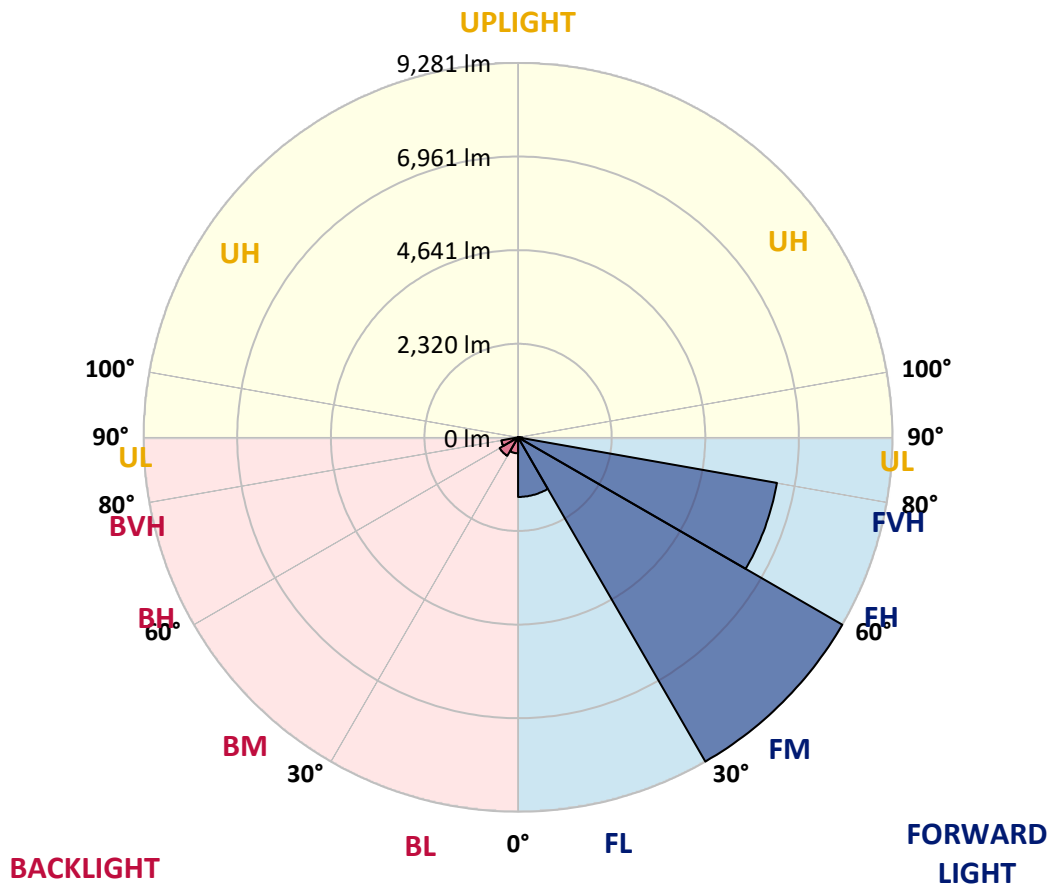
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1476.9	7.9			
FM (30°-60°)	9281.1	49.5			
FH (60°-80°)	6516.7	34.8			G3/7500
FVH (80°-90°)	107.1	0.6			G2/225
BL (0°-30°)	395.8	2.1	B1/500		
BM (30°-60°)	528.5	2.8	B1/1000		
BH (60°-80°)	422.2	2.3	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: B1-U0-G3

Type II Short





REPORT NUMBER: P636345

CATALOG NUMBER: GWS-SA3F-750-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	2180.2	2180.2	2180.2	2180.2	2180.2	2180.2	2180.2	2180.2	2180.2	2180.2	2180.2
2.5°	2538.8	2555.0	2538.8	2542.4	2495.8	2474.3	2427.7	2363.1	2347.0	2305.7	2243.0
5°	2849.0	2863.3	2847.2	2843.6	2789.8	2750.4	2673.3	2562.1	2529.9	2449.2	2325.5
7.5°	3017.5	3026.5	3031.9	3040.8	3021.1	2988.9	2918.9	2780.9	2746.8	2615.9	2442.0
10°	3035.5	3042.6	3069.5	3123.3	3162.8	3182.5	3143.0	3015.7	2962.0	2834.7	2585.4
12.5°	2985.3	2996.0	3039.1	3128.7	3238.1	3338.5	3363.6	3252.4	3204.0	3040.8	2754.0
15°	2918.9	2927.9	2987.1	3109.0	3273.9	3458.6	3562.6	3514.2	3460.4	3290.1	2940.4
17.5°	2816.7	2829.3	2911.8	3076.7	3290.1	3553.6	3777.8	3793.9	3756.2	3571.6	3146.6
20°	2759.4	2768.3	2841.8	3012.2	3279.3	3623.6	3978.6	4131.0	4089.7	3896.1	3383.3
22.5°	2807.8	2814.9	2863.3	2996.0	3243.5	3663.0	4165.0	4468.0	4444.7	4243.9	3632.5
25°	3062.4	3085.7	3057.0	3080.3	3259.6	3684.5	4315.6	4805.1	4810.5	4607.9	3890.7
27.5°	3578.7	3548.3	3480.1	3363.6	3385.1	3741.9	4444.7	5122.5	5169.1	4962.9	4120.2
30°	4104.1	4086.1	4044.9	3863.8	3713.2	3869.2	4554.1	5447.0	5520.5	5312.5	4324.6
32.5°	4694.0	4711.9	4638.4	4421.4	4165.0	4127.4	4667.1	5755.4	5893.4	5708.8	4564.9
35°	5398.6	5404.0	5258.7	5018.5	4728.0	4554.1	4869.7	6096.0	6350.6	6214.4	4885.8
37.5°	6085.3	6117.6	6038.7	5660.4	5402.2	5084.8	5204.9	6533.5	6892.1	6838.3	5289.2
40°	6693.1	6743.3	6718.2	6352.4	6013.6	5746.4	5724.9	7046.3	7546.5	7607.5	5821.7
42.5°	7177.2	7209.5	7229.2	6969.2	6669.8	6519.2	6366.8	7641.6	8319.3	8568.5	6474.4
45°	7688.2	7698.9	7740.2	7564.5	7302.7	7315.2	7125.2	8364.1	9133.3	9633.5	7223.8
47.5°	8339.0	8374.9	8355.2	8170.5	7933.8	8075.5	7908.7	9108.2	9936.5	10770.3	7991.2
50°	9131.5	9169.2	9151.2	8936.1	8672.5	8731.7	8627.7	9830.8	10711.1	11842.5	8629.5
52.5°	9540.3	9570.8	9793.1	9889.9	9751.9	9375.4	9240.9	10625.0	11365.5	12724.6	9215.8
55°	9343.1	9364.6	9848.7	10257.5	10763.1	10386.6	9857.7	11238.2	11942.9	13413.1	9651.5
57.5°	8525.5	8642.0	9300.0	9992.1	11055.3	11385.3	10858.1	11905.2	12498.7	13891.8	10080.0
60°	6849.1	6843.7	7786.8	9029.3	10485.2	11659.6	12271.0	12807.1	13056.3	14259.4	10653.7
62.5°	3784.9	3819.0	5074.1	6711.0	8900.2	10949.6	13330.6	14365.1	14327.5	14901.2	11552.0
65°	1884.4	1952.5	2633.8	3844.1	5922.1	9049.0	13513.5	16742.6	16635.0	16412.7	13407.7
67.5°	1195.9	1222.8	1599.3	2234.0	3291.9	5816.3	12375.0	18515.8	18765.0	18205.6	15249.1
70°	774.6	819.4	1111.6	1527.6	1986.6	2997.8	9065.2	17366.5	17938.5	18008.4	14101.6
72.5°	421.3	453.6	710.0	1090.1	1434.4	1498.9	5092.0	13033.0	13952.8	15276.0	11032.0
75°	240.3	263.6	389.1	740.5	1052.5	912.6	2257.3	8724.5	9310.8	10917.3	7905.1
77.5°	145.2	165.0	218.7	360.4	659.8	609.6	853.4	5310.7	5683.7	6513.8	4148.9
80°	66.3	78.9	138.1	199.0	360.4	288.7	326.3	2476.1	2556.8	2673.3	1373.4
82.5°	30.5	35.9	62.8	118.3	204.4	166.7	125.5	572.0	805.0	762.0	349.6
85°	3.6	3.6	23.3	48.4	57.4	43.0	52.0	129.1	163.2	229.5	100.4
87.5°	0.0	0.0	1.8	1.8	3.6	5.4	10.8	16.1	23.3	37.7	25.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636345

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2180.2	2180.2	2180.2	2180.2	2180.2	2180.2	2180.2	2180.2	2180.2	2180.2	2180.2
2.5°	2214.3	2164.1	2119.3	2052.9	2008.1	1957.9	1923.8	1882.6	1866.5	1853.9	1836.0
5°	2264.5	2183.8	2074.4	1952.5	1852.1	1757.1	1669.2	1611.9	1561.7	1554.5	1529.4
7.5°	2347.0	2226.8	2042.2	1843.2	1672.8	1515.0	1391.3	1290.9	1240.7	1224.6	1195.9
10°	2456.3	2291.4	1993.8	1689.0	1443.3	1255.1	1115.2	1002.3	923.4	894.7	873.2
12.5°	2578.3	2350.6	1916.7	1498.9	1219.2	1004.1	826.6	706.4	656.2	638.3	622.2
15°	2718.1	2406.1	1794.7	1308.9	1000.5	738.7	613.2	561.2	539.7	534.3	528.9
17.5°	2852.6	2442.0	1649.5	1111.6	769.2	573.7	514.6	494.9	489.5	484.1	480.5
20°	3005.0	2467.1	1479.2	925.2	597.1	485.9	457.2	442.9	432.1	421.3	419.6
22.5°	3161.0	2467.1	1294.5	742.3	500.2	435.7	403.4	376.5	356.8	346.0	342.5
25°	3309.8	2433.0	1111.6	593.5	441.1	387.3	346.0	315.6	288.7	276.1	272.5
27.5°	3415.6	2345.2	952.1	502.0	399.8	344.2	294.0	260.0	238.5	225.9	224.1
30°	3481.9	2214.3	805.0	448.2	364.0	299.4	249.2	220.5	204.4	195.4	191.8
32.5°	3532.1	2052.9	674.2	410.6	329.9	260.0	216.9	193.6	179.3	172.1	170.3
35°	3632.5	1900.5	577.3	376.5	294.0	227.7	190.1	172.1	161.4	152.4	150.6
37.5°	3772.4	1773.2	500.2	346.0	260.0	202.6	172.1	156.0	147.0	138.1	136.3
40°	3978.6	1692.5	442.9	315.6	229.5	182.9	157.8	143.4	130.9	121.9	120.1
42.5°	4295.9	1654.9	405.2	285.1	202.6	165.0	145.2	127.3	114.7	105.8	104.0
45°	4674.2	1674.6	372.9	254.6	184.7	152.4	129.1	111.2	98.6	89.6	87.9
47.5°	5079.4	1744.5	346.0	225.9	166.7	139.9	114.7	95.0	84.3	75.3	73.5
50°	5502.6	1859.3	322.7	199.0	152.4	125.5	98.6	82.5	71.7	64.5	62.8
52.5°	5870.1	2015.3	299.4	179.3	139.9	111.2	86.1	71.7	61.0	53.8	52.0
55°	6221.5	2162.3	281.5	161.4	125.5	96.8	75.3	61.0	52.0	44.8	43.0
57.5°	6603.4	2318.3	260.0	145.2	113.0	86.1	66.3	52.0	44.8	37.7	35.9
60°	7159.3	2549.6	227.7	132.7	98.6	75.3	57.4	46.6	39.4	30.5	28.7
62.5°	7960.7	2970.9	191.8	114.7	84.3	64.5	48.4	39.4	32.3	25.1	21.5
65°	9459.6	3688.1	157.8	95.0	68.1	53.8	41.2	32.3	25.1	17.9	16.1
67.5°	10539.0	3874.6	127.3	77.1	55.6	41.2	34.1	25.1	17.9	12.6	10.8
70°	9214.0	2782.7	98.6	62.8	46.6	32.3	26.9	19.7	12.6	9.0	7.2
72.5°	6942.3	1818.1	73.5	48.4	35.9	26.9	19.7	16.1	10.8	7.2	5.4
75°	4893.0	1050.7	53.8	35.9	25.1	19.7	16.1	12.6	9.0	5.4	5.4
77.5°	2508.3	433.9	37.7	25.1	17.9	12.6	10.8	7.2	7.2	5.4	3.6
80°	762.0	143.4	21.5	16.1	12.6	9.0	5.4	5.4	5.4	3.6	1.8
82.5°	173.9	46.6	12.6	12.6	9.0	7.2	5.4	1.8	1.8	0.0	0.0
85°	44.8	14.3	10.8	9.0	9.0	7.2	3.6	1.8	0.0	0.0	0.0
87.5°	16.1	9.0	9.0	9.0	7.2	5.4	3.6	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)