

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: P635905

Luminaire Tested: GWS-SA3E-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635905
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-SA3E-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: 16619.5 lumens
Efficiency: N/A
Efficacy: 104.4 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

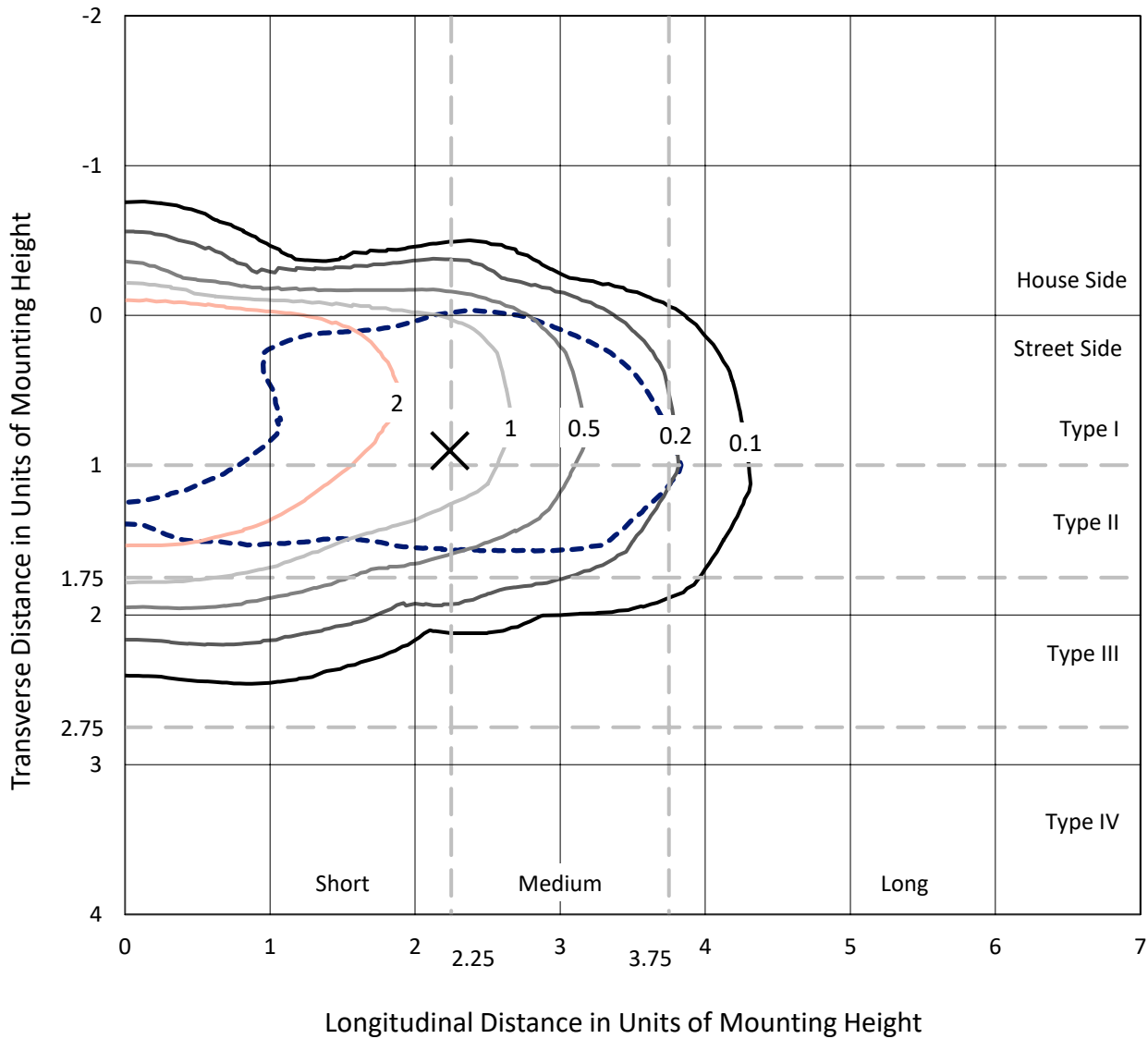
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

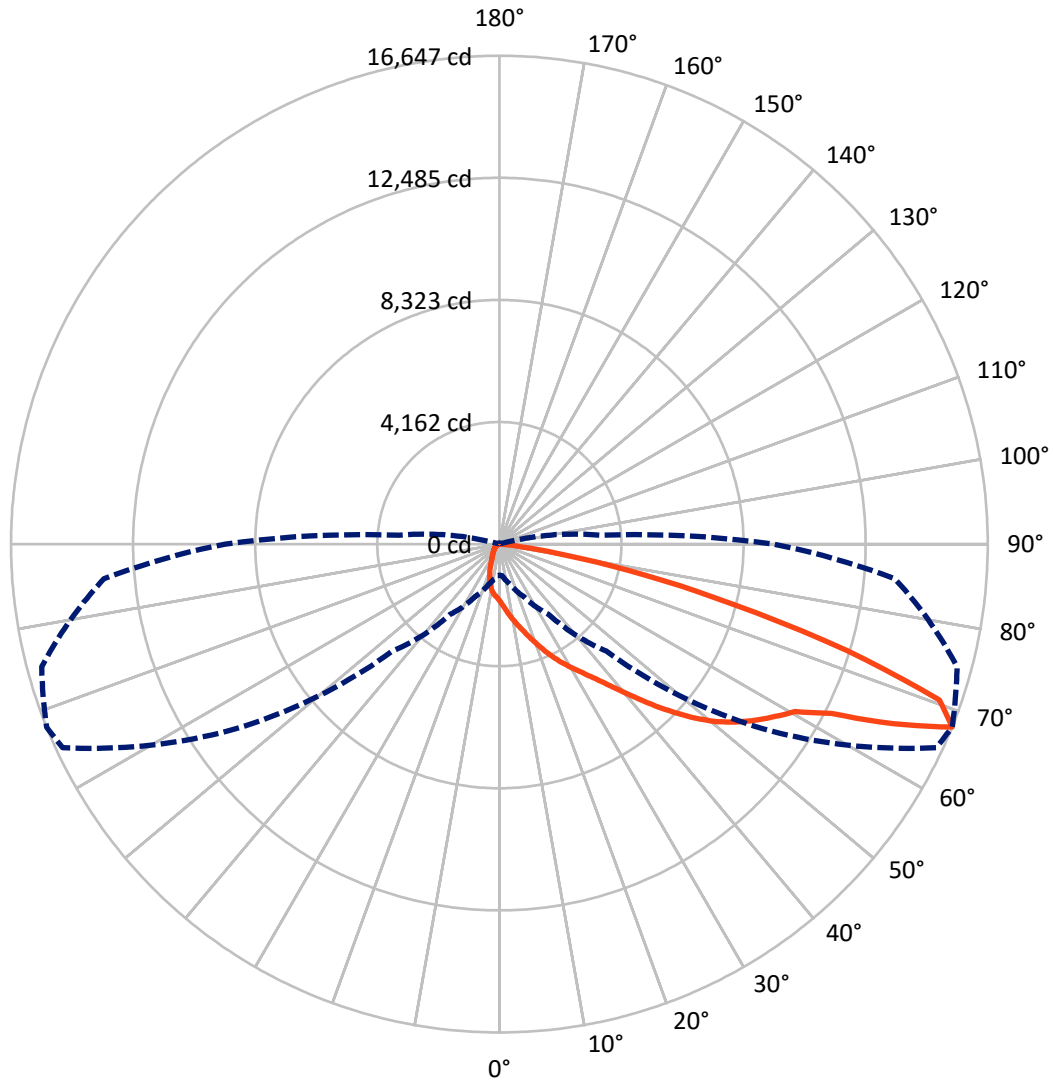
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1200.1	0.0	1200.1
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	15419.4	0.0	15419.4
	% Fixture	92.8	0.0	92.8
Total	Lumens	16619.5	0.0	16619.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.6	1.1
10°-20°	541.7	3.3
20°-30°	930.9	5.6
30°-40°	1618.5	9.7
40°-50°	2824.1	17.0
50°-60°	4259.5	25.6
60°-70°	4271.1	25.7
70°-80°	1884.4	11.3
80°-90°	100.7	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°	16619.5	100.0
0°-180°	16619.5	100.0

Coefficient of Utilization



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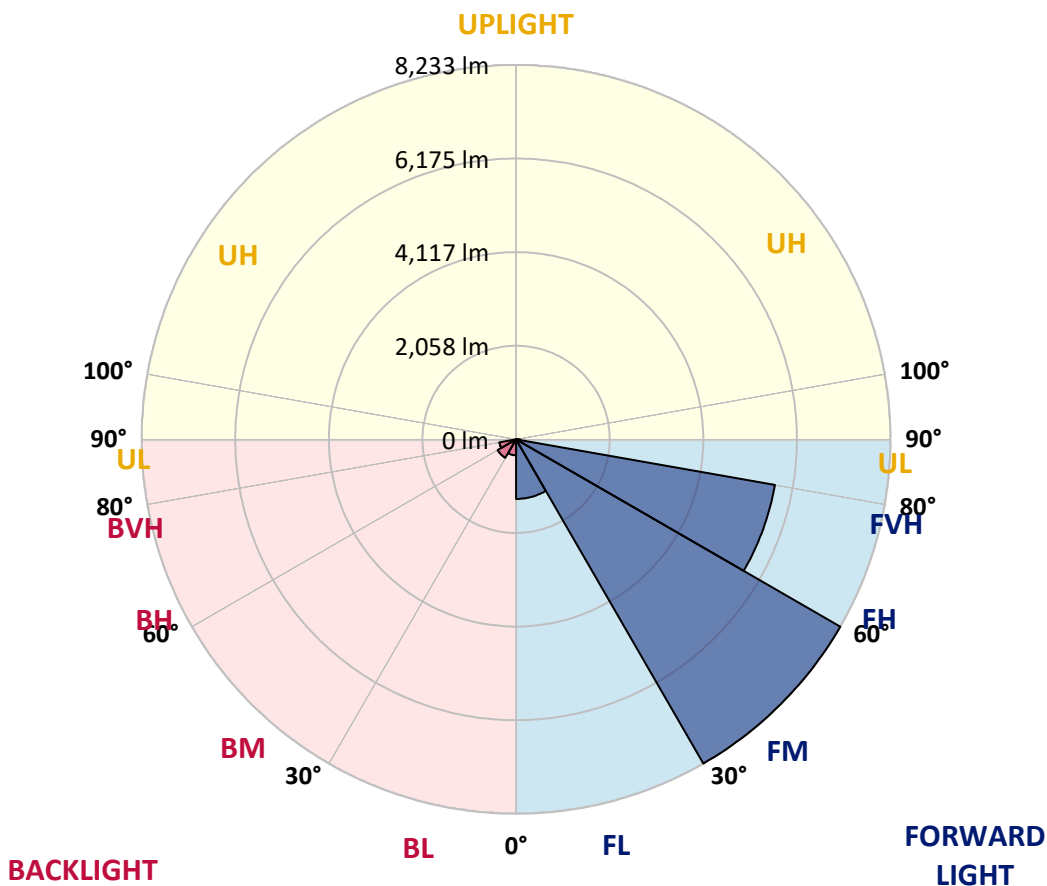
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1310.1	7.9			
FM (30°-60°)	8233.3	49.5			
FH (60°-80°)	5781.0	34.8			G3/7500
FVH (80°-90°)	95.0	0.6			G1/100
BL (0°-30°)	351.1	2.1	B1/500		
BM (30°-60°)	468.8	2.8	B1/1000		
BH (60°-80°)	374.5	2.3	B1/500		G1/500
BVH (80°-90°)	5.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1934.1	1934.1	1934.1	1934.1	1934.1	1934.1	1934.1	1934.1	1934.1	1934.1	1934.1
2.5°	2252.2	2266.5	2252.2	2255.4	2214.0	2194.9	2153.6	2096.3	2082.0	2045.4	1989.8
5°	2527.4	2540.1	2525.8	2522.6	2474.9	2439.9	2371.5	2272.9	2244.2	2172.7	2062.9
7.5°	2676.9	2684.8	2689.6	2697.5	2680.0	2651.4	2589.4	2466.9	2436.7	2320.6	2166.3
10°	2692.8	2699.1	2723.0	2770.7	2805.7	2823.2	2788.2	2675.3	2627.6	2514.6	2293.5
12.5°	2648.2	2657.8	2696.0	2775.5	2872.5	2961.6	2983.8	2885.2	2842.3	2697.5	2443.1
15°	2589.4	2597.3	2649.8	2758.0	2904.3	3068.1	3160.4	3117.4	3069.7	2918.6	2608.5
17.5°	2498.7	2509.9	2583.0	2729.4	2918.6	3152.4	3351.3	3365.6	3332.2	3168.3	2791.4
20°	2447.8	2455.8	2521.0	2672.1	2909.1	3214.5	3529.4	3664.6	3628.0	3456.2	3001.3
22.5°	2490.8	2497.1	2540.1	2657.8	2877.3	3249.5	3694.8	3963.6	3942.9	3764.8	3222.4
25°	2716.6	2737.3	2711.9	2732.5	2891.6	3268.5	3828.4	4262.6	4267.4	4087.7	3451.5
27.5°	3174.7	3147.7	3087.2	2983.8	3002.9	3319.4	3942.9	4544.2	4585.5	4402.6	3655.0
30°	3640.7	3624.8	3588.2	3427.6	3294.0	3432.4	4040.0	4832.0	4897.2	4712.7	3836.4
32.5°	4164.0	4179.9	4114.7	3922.3	3694.8	3661.4	4140.2	5105.6	5228.1	5064.3	4049.5
35°	4789.1	4793.9	4665.0	4451.9	4194.2	4040.0	4319.9	5407.8	5633.7	5512.8	4334.2
37.5°	5398.3	5426.9	5356.9	5021.3	4792.3	4510.7	4617.3	5795.9	6114.0	6066.3	4692.1
40°	5937.5	5982.0	5959.7	5635.3	5334.6	5097.7	5078.6	6250.8	6694.6	6748.6	5164.5
42.5°	6366.9	6395.5	6413.0	6182.4	5916.8	5783.2	5648.0	6778.8	7380.1	7601.2	5743.4
45°	6820.2	6829.7	6866.3	6710.5	6478.2	6489.4	6320.8	7419.8	8102.2	8545.9	6408.3
47.5°	7397.6	7429.4	7411.9	7248.1	7038.1	7163.8	7015.8	8079.9	8814.7	9554.3	7089.0
50°	8100.6	8134.0	8118.1	7927.2	7693.4	7745.9	7653.6	8720.9	9501.8	10505.5	7655.2
52.5°	8463.2	8490.3	8687.5	8773.4	8650.9	8316.9	8197.6	9425.5	10082.4	11288.0	8175.3
55°	8288.3	8307.3	8736.8	9099.4	9548.0	9214.0	8744.7	9969.5	10594.5	11898.8	8561.8
57.5°	7563.0	7666.4	8250.1	8864.0	9807.2	10099.9	9632.3	10561.1	11087.6	12323.4	8942.0
60°	6075.8	6071.1	6907.7	8009.9	9301.4	10343.2	10885.6	11361.2	11582.3	12649.5	9450.9
62.5°	3357.6	3387.8	4501.2	5953.4	7895.4	9713.4	11825.6	12743.3	12709.9	13218.9	10247.8
65°	1671.6	1732.1	2336.5	3410.1	5253.5	8027.4	11987.8	14852.4	14757.0	14559.7	11894.0
67.5°	1060.9	1084.7	1418.8	1981.8	2920.2	5159.7	10977.9	16425.4	16646.5	16150.3	13527.5
70°	687.1	726.9	986.1	1355.1	1762.3	2659.4	8041.7	15405.9	15913.3	15975.3	12509.5
72.5°	373.8	402.4	629.9	967.0	1272.4	1329.7	4517.1	11561.6	12377.5	13551.3	9786.5
75°	213.1	233.8	345.1	656.9	933.6	809.6	2002.5	7739.5	8259.6	9684.8	7012.7
77.5°	128.8	146.3	194.0	319.7	585.3	540.8	757.1	4711.2	5042.0	5778.4	3680.5
80°	58.8	70.0	122.5	176.5	319.7	256.1	289.5	2196.5	2268.1	2371.5	1218.3
82.5°	27.0	31.8	55.7	105.0	181.3	147.9	111.3	507.4	714.1	676.0	310.2
85°	3.2	3.2	20.7	42.9	50.9	38.2	46.1	114.5	144.7	203.6	89.1
87.5°	0.0	0.0	1.6	1.6	3.2	4.8	9.5	14.3	20.7	33.4	22.3
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°	1934.1	1934.1	1934.1	1934.1	1934.1	1934.1	1934.1	1934.1	1934.1	1934.1	1934.1
2.5°	1964.3	1919.8	1880.0	1821.2	1781.4	1736.9	1706.6	1670.1	1655.7	1644.6	1628.7
5°	2008.8	1937.3	1840.2	1732.1	1643.0	1558.7	1480.8	1429.9	1385.4	1379.0	1356.7
7.5°	2082.0	1975.4	1811.6	1635.1	1484.0	1344.0	1234.3	1145.2	1100.6	1086.3	1060.9
10°	2179.0	2032.7	1768.7	1498.3	1280.4	1113.4	989.3	889.1	819.1	793.7	774.6
12.5°	2287.2	2085.2	1700.3	1329.7	1081.6	890.7	733.2	626.7	582.1	566.2	551.9
15°	2411.2	2134.5	1592.1	1161.1	887.5	655.3	544.0	497.8	478.8	474.0	469.2
17.5°	2530.5	2166.3	1463.3	986.1	682.3	509.0	456.5	439.0	434.2	429.4	426.3
20°	2665.7	2188.6	1312.2	820.7	529.6	431.0	405.6	392.9	383.3	373.8	372.2
22.5°	2804.1	2188.6	1148.4	658.5	443.8	386.5	357.9	334.0	316.5	307.0	303.8
25°	2936.1	2158.4	986.1	526.5	391.3	343.6	307.0	279.9	256.1	244.9	241.8
27.5°	3030.0	2080.4	844.6	445.3	354.7	305.4	260.8	230.6	211.5	200.4	198.8
30°	3088.8	1964.3	714.1	397.6	322.9	265.6	221.1	195.6	181.3	173.4	170.2
32.5°	3133.3	1821.2	598.0	364.2	292.7	230.6	192.5	171.8	159.1	152.7	151.1
35°	3222.4	1686.0	512.2	334.0	260.8	202.0	168.6	152.7	143.1	135.2	133.6
37.5°	3346.5	1573.0	443.8	307.0	230.6	179.7	152.7	138.4	130.4	122.5	120.9
40°	3529.4	1501.5	392.9	279.9	203.6	162.2	140.0	127.2	116.1	108.2	106.6
42.5°	3810.9	1468.1	359.5	252.9	179.7	146.3	128.8	112.9	101.8	93.8	92.3
45°	4146.5	1485.6	330.8	225.9	163.8	135.2	114.5	98.6	87.5	79.5	77.9
47.5°	4506.0	1547.6	307.0	200.4	147.9	124.1	101.8	84.3	74.8	66.8	65.2
50°	4881.3	1649.4	286.3	176.5	135.2	111.3	87.5	73.2	63.6	57.3	55.7
52.5°	5207.4	1787.8	265.6	159.1	124.1	98.6	76.3	63.6	54.1	47.7	46.1
55°	5519.1	1918.2	249.7	143.1	111.3	85.9	66.8	54.1	46.1	39.8	38.2
57.5°	5857.9	2056.6	230.6	128.8	100.2	76.3	58.8	46.1	39.8	33.4	31.8
60°	6351.0	2261.7	202.0	117.7	87.5	66.8	50.9	41.4	35.0	27.0	25.4
62.5°	7062.0	2635.5	170.2	101.8	74.8	57.3	42.9	35.0	28.6	22.3	19.1
65°	8391.6	3271.7	140.0	84.3	60.4	47.7	36.6	28.6	22.3	15.9	14.3
67.5°	9349.1	3437.1	112.9	68.4	49.3	36.6	30.2	22.3	15.9	11.1	9.5
70°	8173.7	2468.5	87.5	55.7	41.4	28.6	23.9	17.5	11.1	8.0	6.4
72.5°	6158.5	1612.8	65.2	42.9	31.8	23.9	17.5	14.3	9.5	6.4	4.8
75°	4340.6	932.1	47.7	31.8	22.3	17.5	14.3	11.1	8.0	4.8	4.8
77.5°	2225.2	384.9	33.4	22.3	15.9	11.1	9.5	6.4	6.4	4.8	3.2
80°	676.0	127.2	19.1	14.3	11.1	8.0	4.8	4.8	4.8	3.2	1.6
82.5°	154.3	41.4	11.1	11.1	8.0	6.4	4.8	1.6	1.6	0.0	0.0
85°	39.8	12.7	9.5	8.0	8.0	6.4	3.2	1.6	0.0	0.0	0.0
87.5°	14.3	8.0	8.0	8.0	6.4	4.8	3.2	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)