

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: P635850

Luminaire Tested: GWS-SA3E-750-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635850
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-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: 16850.4 lumens
Efficiency: N/A
Efficacy: 105.8 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

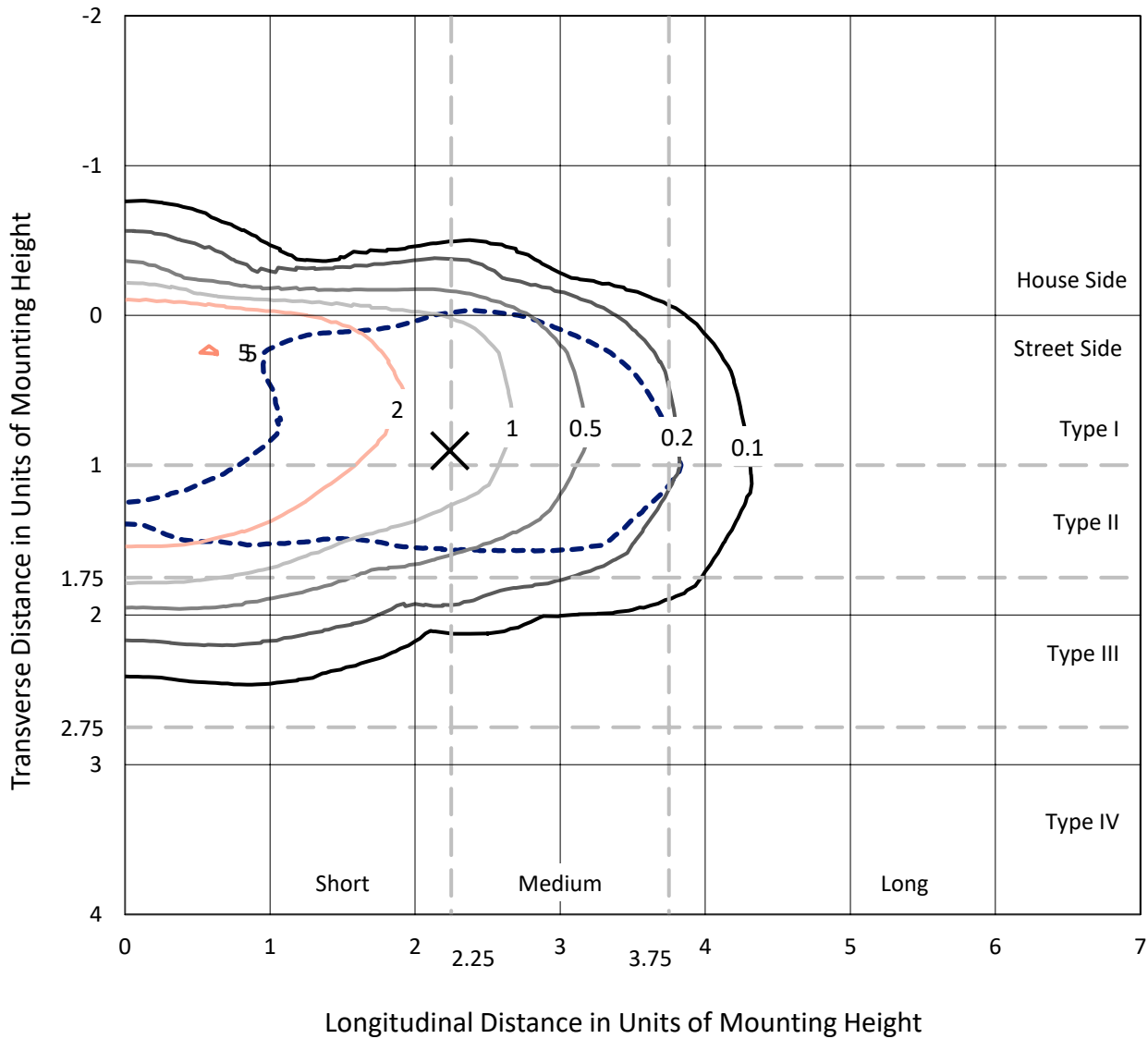
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

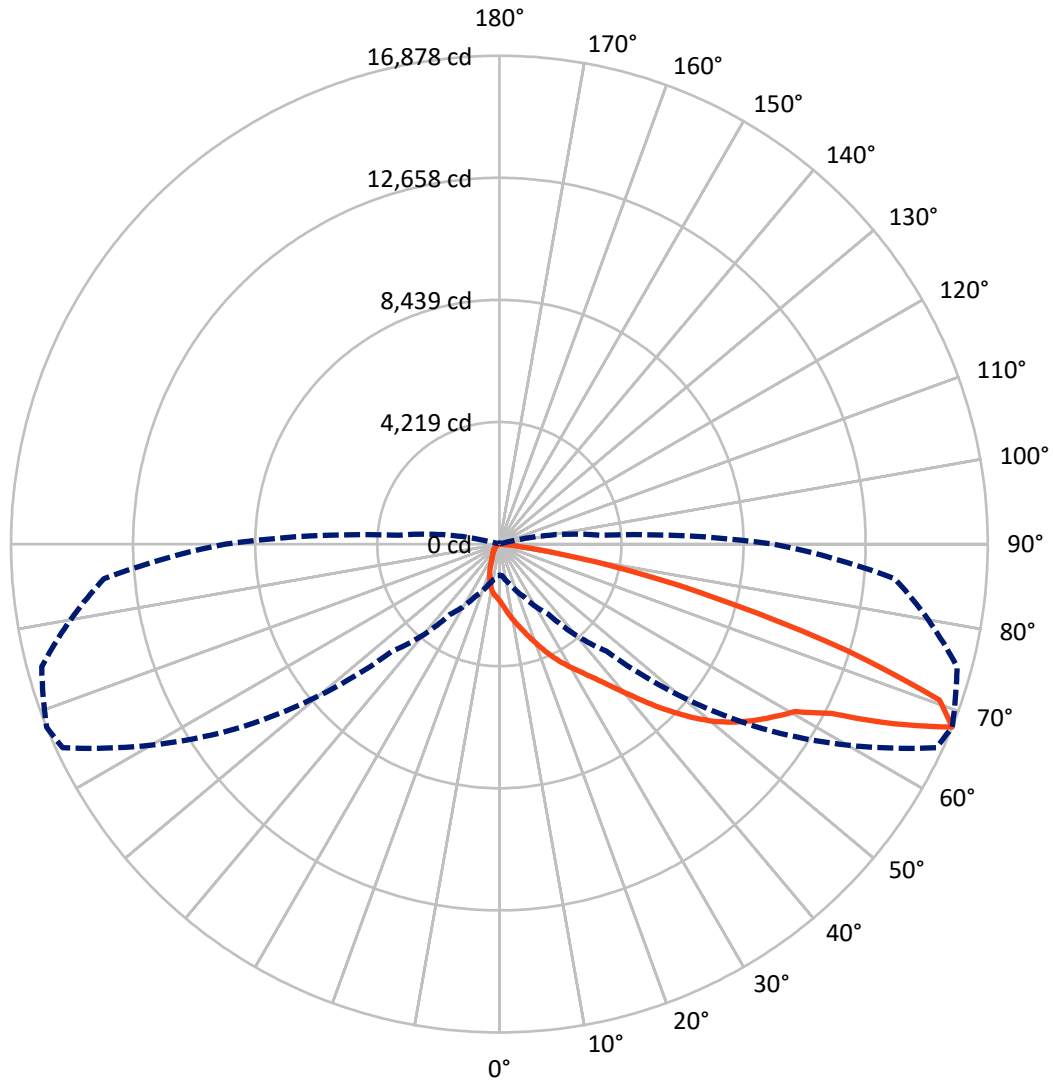
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	1216.8	0.0	1216.8
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	15633.6	0.0	15633.6
	% Fixture	92.8	0.0	92.8
Total	Lumens	16850.4	0.0	16850.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.3	1.1
10°-20°	549.2	3.3
20°-30°	943.8	5.6
30°-40°	1641.0	9.7
40°-50°	2863.3	17.0
50°-60°	4318.6	25.6
60°-70°	4330.5	25.7
70°-80°	1910.6	11.3
80°-90°	102.1	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°	16850.4	100.0
0°-180°	16850.4	100.0

Coefficient of Utilization



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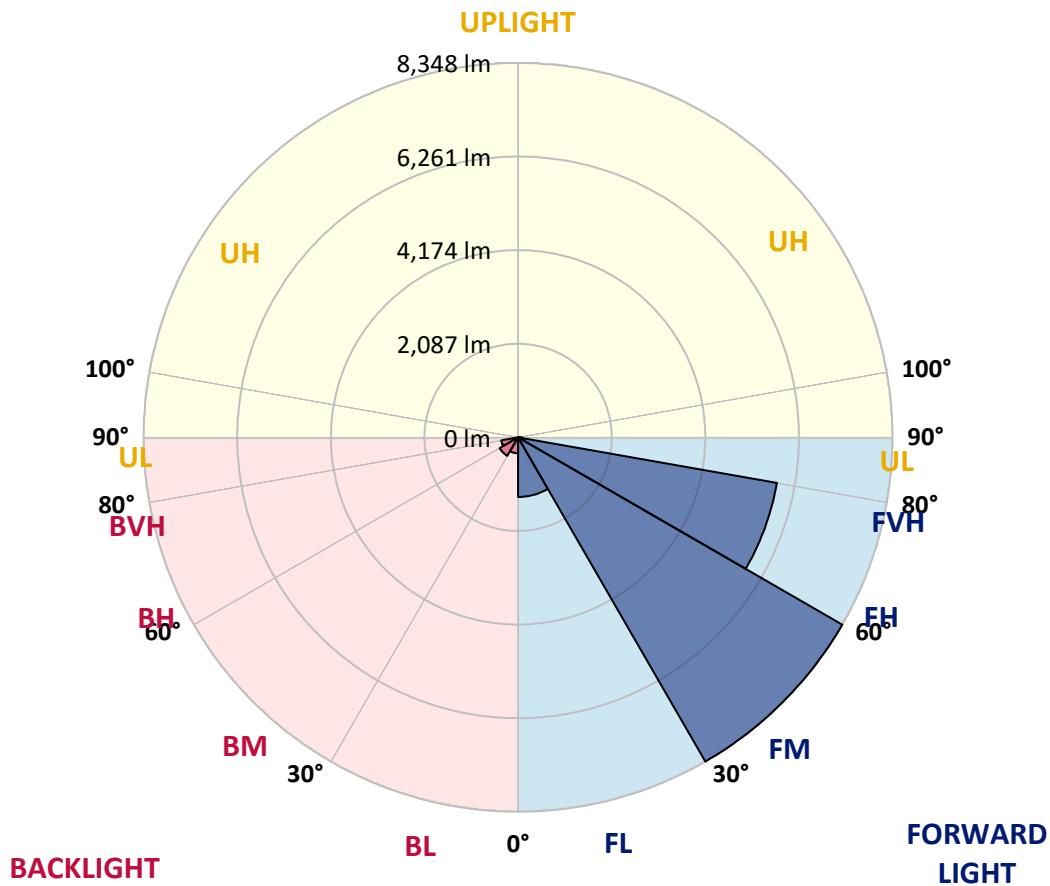
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1328.3	7.9			
FM (30°-60°)	8347.7	49.5			
FH (60°-80°)	5861.3	34.8			G3/7500
FVH (80°-90°)	96.3	0.6			G1/100
BL (0°-30°)	356.0	2.1	B1/500		
BM (30°-60°)	475.3	2.8	B1/1000		
BH (60°-80°)	379.7	2.3	B1/500		G1/500
BVH (80°-90°)	5.8	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°	1961.0	1961.0	1961.0	1961.0	1961.0	1961.0	1961.0	1961.0	1961.0	1961.0	1961.0
2.5°	2283.5	2298.0	2283.5	2286.7	2244.8	2225.4	2183.5	2125.4	2110.9	2073.8	2017.4
5°	2562.5	2575.4	2560.9	2557.6	2509.3	2473.8	2404.4	2304.4	2275.4	2202.9	2091.6
7.5°	2714.1	2722.1	2727.0	2735.0	2717.3	2688.3	2625.4	2501.2	2470.5	2352.8	2196.4
10°	2730.2	2736.6	2760.8	2809.2	2844.7	2862.4	2826.9	2712.4	2664.1	2549.6	2325.4
12.5°	2685.0	2694.7	2733.4	2814.0	2912.4	3002.7	3025.3	2925.3	2881.8	2735.0	2477.0
15°	2625.4	2633.4	2686.6	2796.3	2944.7	3110.8	3204.3	3160.8	3112.4	2959.2	2644.7
17.5°	2533.4	2544.7	2618.9	2767.3	2959.2	3196.2	3397.8	3412.3	3378.5	3212.4	2830.2
20°	2481.8	2489.9	2556.0	2709.2	2949.5	3259.1	3578.4	3715.5	3678.4	3504.2	3043.0
22.5°	2525.4	2531.8	2575.4	2694.7	2917.2	3294.6	3746.1	4018.7	3997.7	3817.1	3267.2
25°	2754.4	2775.3	2749.5	2770.5	2931.8	3314.0	3881.6	4321.8	4326.7	4144.5	3499.4
27.5°	3218.8	3191.4	3130.1	3025.3	3044.6	3365.6	3997.7	4607.3	4649.2	4463.8	3705.8
30°	3691.3	3675.2	3638.1	3475.2	3339.8	3480.1	4096.1	4899.2	4965.3	4778.2	3889.7
32.5°	4221.9	4238.0	4171.9	3976.7	3746.1	3712.3	4197.7	5176.5	5300.7	5134.6	4105.8
35°	4855.6	4860.5	4729.8	4513.8	4252.5	4096.1	4379.9	5482.9	5711.9	5589.4	4394.4
37.5°	5473.3	5502.3	5431.3	5091.1	4858.9	4573.4	4681.5	5876.4	6198.9	6150.6	4757.3
40°	6019.9	6065.1	6042.5	5713.5	5408.8	5168.5	5149.1	6337.6	6787.6	6842.4	5236.2
42.5°	6455.4	6484.4	6502.1	6268.3	5999.0	5863.5	5726.4	6873.0	7482.6	7706.8	5823.2
45°	6915.0	6924.6	6961.7	6803.7	6568.2	6579.5	6408.6	7522.9	8214.7	8664.7	6497.3
47.5°	7500.3	7532.6	7514.9	7348.8	7135.9	7263.3	7113.3	8192.2	8937.2	9687.1	7187.5
50°	8213.1	8247.0	8230.9	8037.3	7800.3	7853.5	7760.0	8842.1	9633.9	10651.4	7761.6
52.5°	8580.8	8608.2	8808.2	8895.3	8771.1	8432.4	8311.5	9556.4	10222.5	11444.8	8288.9
55°	8403.4	8422.8	8858.2	9225.9	9680.6	9342.0	8866.2	10108.0	10741.7	12064.1	8680.8
57.5°	7668.1	7772.9	8364.7	8987.2	9943.5	10240.2	9766.1	10707.9	11241.6	12494.7	9066.2
60°	6160.2	6155.4	7003.7	8121.2	9430.7	10486.9	11036.8	11519.0	11743.2	12825.2	9582.2
62.5°	3404.3	3434.9	4563.7	6036.1	8005.1	9848.3	11989.9	12920.4	12886.5	13402.6	10390.2
65°	1694.9	1756.2	2369.0	3457.5	5326.5	8138.9	12154.4	15058.7	14962.0	14762.0	12059.2
67.5°	1075.6	1099.8	1438.5	2009.3	2960.8	5231.4	11130.4	16653.6	16877.8	16374.6	13715.4
70°	696.7	737.0	999.8	1374.0	1786.8	2696.3	8153.5	15619.9	16134.4	16197.3	12683.3
72.5°	379.0	408.0	638.6	980.5	1290.1	1348.2	4579.9	11722.2	12549.5	13739.6	9922.5
75°	216.1	237.1	349.9	666.0	946.6	820.8	2030.3	7847.1	8374.4	9819.3	7110.1
77.5°	130.6	148.4	196.7	324.1	593.4	548.3	767.6	4776.6	5112.0	5858.7	3731.6
80°	59.7	71.0	124.2	179.0	324.1	259.6	293.5	2227.0	2299.6	2404.4	1235.3
82.5°	27.4	32.3	56.4	106.4	183.8	150.0	112.9	514.4	724.1	685.4	314.5
85°	3.2	3.2	21.0	43.5	51.6	38.7	46.8	116.1	146.7	206.4	90.3
87.5°	0.0	0.0	1.6	1.6	3.2	4.8	9.7	14.5	21.0	33.9	22.6
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°	1961.0	1961.0	1961.0	1961.0	1961.0	1961.0	1961.0	1961.0	1961.0	1961.0	1961.0
2.5°	1991.6	1946.4	1906.1	1846.5	1806.1	1761.0	1730.4	1693.3	1678.7	1667.5	1651.3
5°	2036.8	1964.2	1865.8	1756.2	1665.8	1580.4	1501.4	1449.8	1404.6	1398.2	1375.6
7.5°	2110.9	2002.9	1836.8	1657.8	1504.6	1362.7	1251.4	1161.1	1115.9	1101.4	1075.6
10°	2209.3	2060.9	1793.2	1519.1	1298.2	1128.8	1003.1	901.5	830.5	804.7	785.4
12.5°	2319.0	2114.2	1723.9	1348.2	1096.6	903.1	743.4	635.4	590.2	574.1	559.6
15°	2444.7	2164.1	1614.2	1177.2	899.8	664.4	551.5	504.8	485.4	480.6	475.7
17.5°	2565.7	2196.4	1483.6	999.8	691.8	516.0	462.8	445.1	440.2	435.4	432.2
20°	2702.8	2219.0	1330.4	832.1	537.0	437.0	411.2	398.3	388.6	379.0	377.4
22.5°	2843.1	2219.0	1164.3	667.6	449.9	391.9	362.8	338.7	320.9	311.2	308.0
25°	2976.9	2188.3	999.8	533.8	396.7	348.3	311.2	283.8	259.6	248.3	245.1
27.5°	3072.1	2109.3	856.3	451.5	359.6	309.6	264.5	233.8	214.5	203.2	201.6
30°	3131.7	1991.6	724.1	403.2	327.4	269.3	224.2	198.4	183.8	175.8	172.6
32.5°	3176.9	1846.5	606.3	369.3	296.7	233.8	195.1	174.2	161.3	154.8	153.2
35°	3267.2	1709.4	519.3	338.7	264.5	204.8	170.9	154.8	145.1	137.1	135.5
37.5°	3393.0	1594.9	449.9	311.2	233.8	182.2	154.8	140.3	132.2	124.2	122.6
40°	3578.4	1522.3	398.3	283.8	206.4	164.5	141.9	129.0	117.7	109.7	108.0
42.5°	3863.9	1488.5	364.5	256.4	182.2	148.4	130.6	114.5	103.2	95.1	93.5
45°	4204.1	1506.2	335.4	229.0	166.1	137.1	116.1	100.0	88.7	80.6	79.0
47.5°	4568.6	1569.1	311.2	203.2	150.0	125.8	103.2	85.5	75.8	67.7	66.1
50°	4949.2	1672.3	290.3	179.0	137.1	112.9	88.7	74.2	64.5	58.1	56.4
52.5°	5279.8	1812.6	269.3	161.3	125.8	100.0	77.4	64.5	54.8	48.4	46.8
55°	5595.8	1944.8	253.2	145.1	112.9	87.1	67.7	54.8	46.8	40.3	38.7
57.5°	5939.3	2085.1	233.8	130.6	101.6	77.4	59.7	46.8	40.3	33.9	32.3
60°	6439.2	2293.2	204.8	119.3	88.7	67.7	51.6	41.9	35.5	27.4	25.8
62.5°	7160.1	2672.1	172.6	103.2	75.8	58.1	43.5	35.5	29.0	22.6	19.4
65°	8508.2	3317.2	141.9	85.5	61.3	48.4	37.1	29.0	22.6	16.1	14.5
67.5°	9479.0	3484.9	114.5	69.3	50.0	37.1	30.6	22.6	16.1	11.3	9.7
70°	8287.3	2502.8	88.7	56.4	41.9	29.0	24.2	17.7	11.3	8.1	6.5
72.5°	6244.1	1635.2	66.1	43.5	32.3	24.2	17.7	14.5	9.7	6.5	4.8
75°	4400.9	945.0	48.4	32.3	22.6	17.7	14.5	11.3	8.1	4.8	4.8
77.5°	2256.1	390.3	33.9	22.6	16.1	11.3	9.7	6.5	6.5	4.8	3.2
80°	685.4	129.0	19.4	14.5	11.3	8.1	4.8	4.8	4.8	3.2	1.6
82.5°	156.4	41.9	11.3	11.3	8.1	6.5	4.8	1.6	1.6	0.0	0.0
85°	40.3	12.9	9.7	8.1	8.1	6.5	3.2	1.6	0.0	0.0	0.0
87.5°	14.5	8.1	8.1	8.1	6.5	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)