

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: P635795

Luminaire Tested: GWS-SA3E-740-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635795
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16472.9 lumens
Efficiency: N/A
Efficacy: 103.5 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

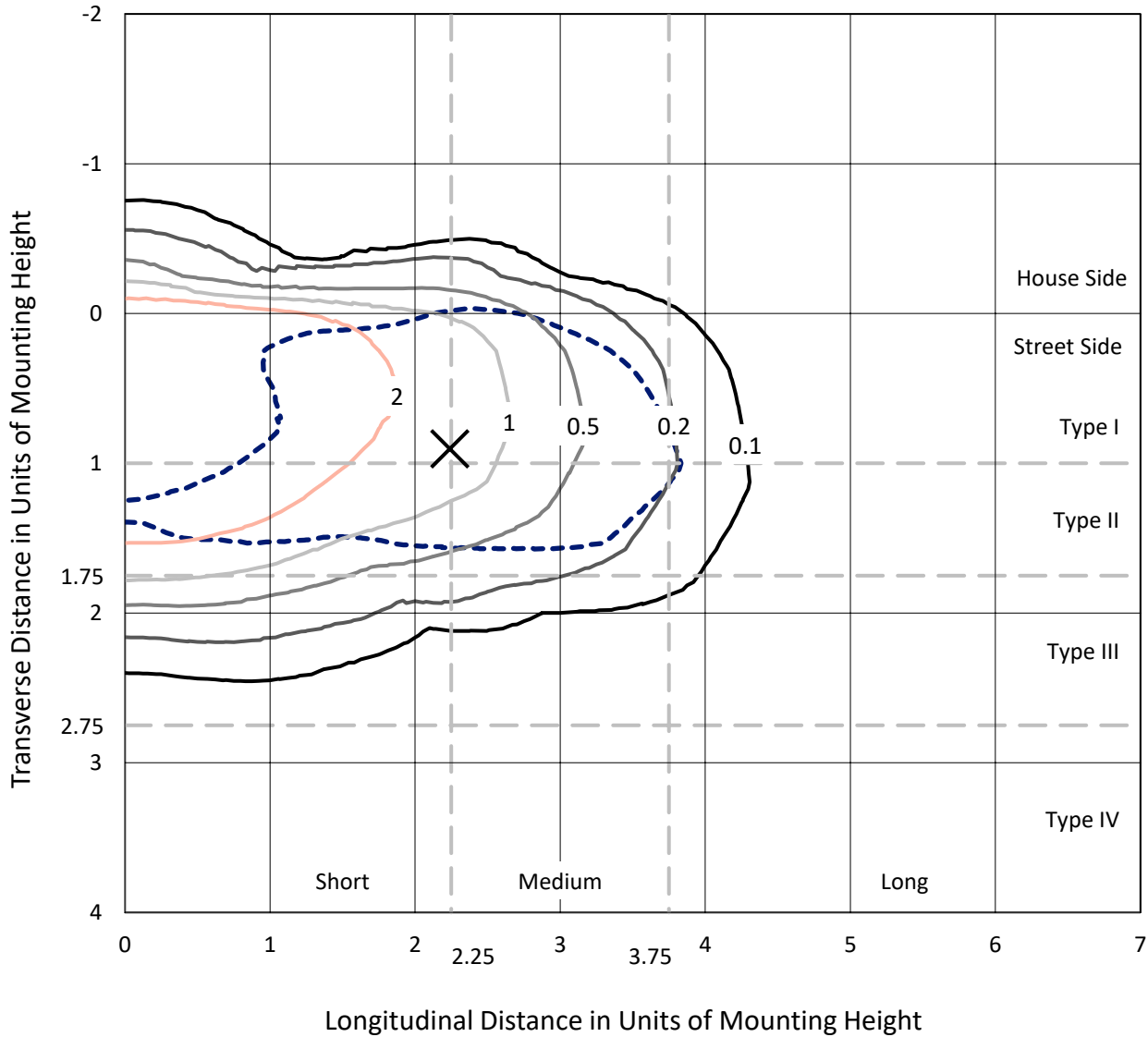
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

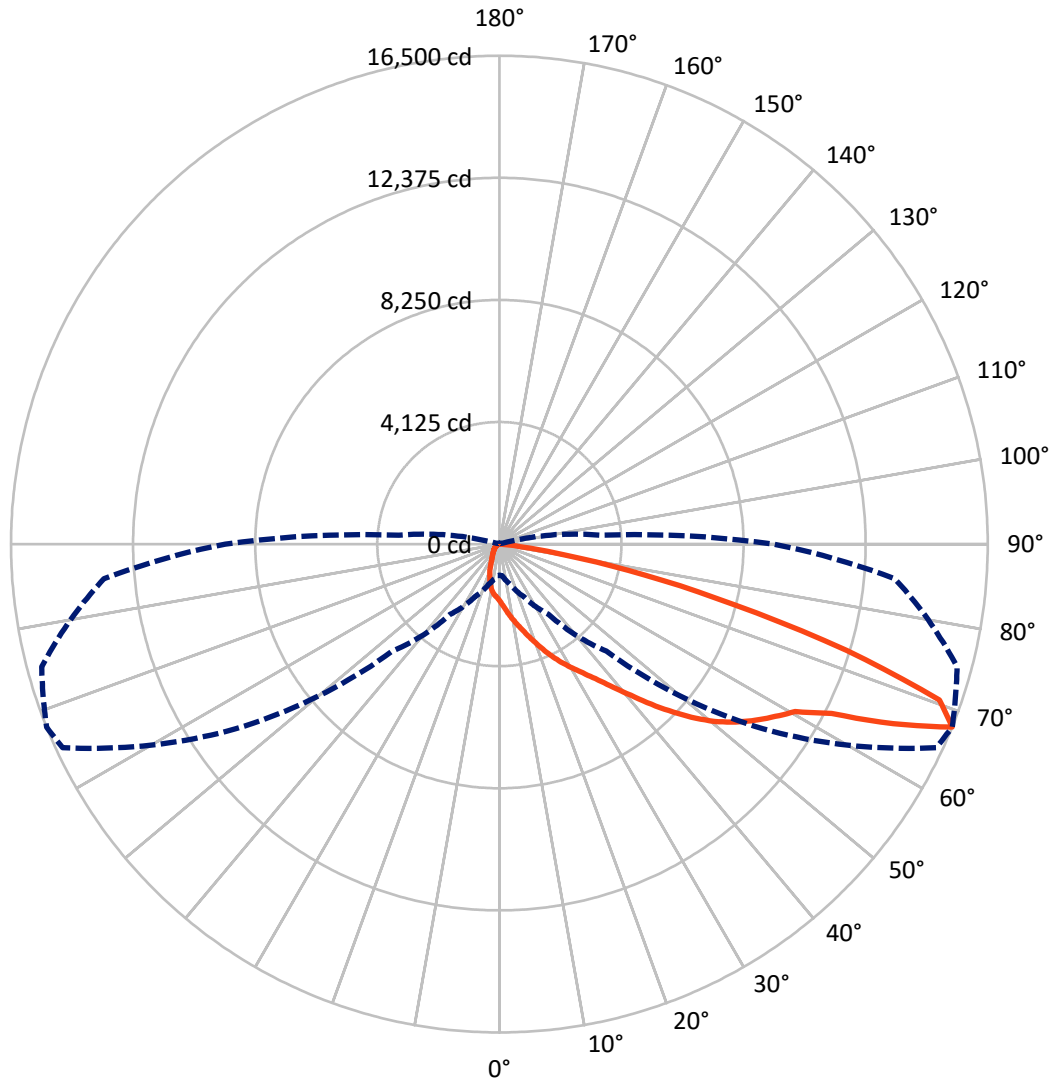
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	1189.5	0.0	1189.5
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	15283.4	0.0	15283.4
	% Fixture	92.8	0.0	92.8
Total	Lumens	16472.9	0.0	16472.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.0	1.1
10°-20°	536.9	3.3
20°-30°	922.7	5.6
30°-40°	1604.2	9.7
40°-50°	2799.2	17.0
50°-60°	4221.9	25.6
60°-70°	4233.5	25.7
70°-80°	1867.8	11.3
80°-90°	99.8	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°	16472.9	100.0
0°-180°	16472.9	100.0

Coefficient of Utilization



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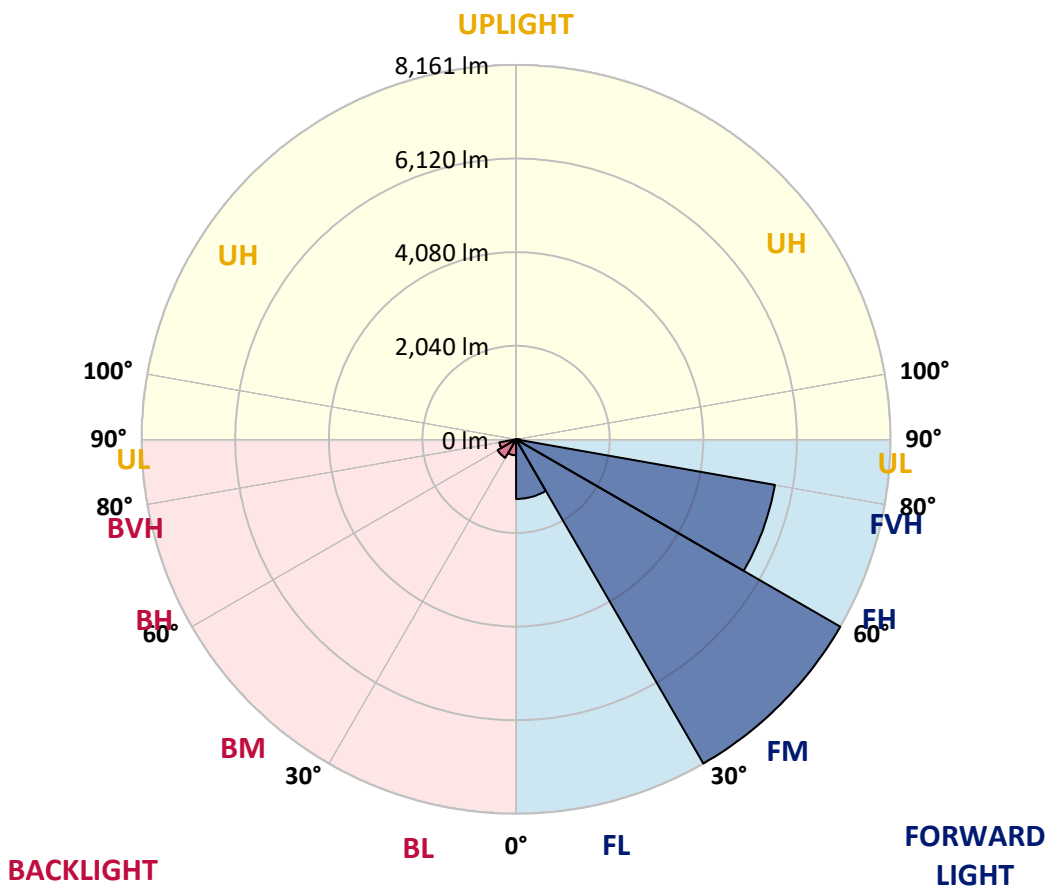
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1298.6	7.9			
FM (30°-60°)	8160.6	49.5			
FH (60°-80°)	5730.0	34.8			G3/7500
FVH (80°-90°)	94.1	0.6			G1/100
BL (0°-30°)	348.0	2.1	B1/500		
BM (30°-60°)	464.7	2.8	B1/1000		
BH (60°-80°)	371.2	2.3	B1/500		G1/500
BVH (80°-90°)	5.6	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°	1917.0	1917.0	1917.0	1917.0	1917.0	1917.0	1917.0	1917.0	1917.0	1917.0	1917.0
2.5°	2232.3	2246.5	2232.3	2235.5	2194.5	2175.6	2134.6	2077.8	2063.6	2027.4	1972.2
5°	2505.1	2517.7	2503.5	2500.3	2453.0	2418.4	2350.6	2252.8	2224.4	2153.5	2044.7
7.5°	2653.3	2661.1	2665.9	2673.7	2656.4	2628.0	2566.5	2445.2	2415.2	2300.1	2147.2
10°	2669.0	2675.3	2699.0	2746.3	2780.9	2798.3	2763.6	2651.7	2604.4	2492.5	2273.3
12.5°	2624.9	2634.3	2672.2	2751.0	2847.2	2935.4	2957.5	2859.8	2817.2	2673.7	2421.5
15°	2566.5	2574.4	2626.5	2733.7	2878.7	3041.1	3132.5	3089.9	3042.6	2892.9	2585.5
17.5°	2476.7	2487.7	2560.2	2705.3	2892.9	3124.6	3321.7	3335.9	3302.8	3140.4	2766.8
20°	2426.2	2434.1	2498.8	2648.5	2883.4	3186.1	3498.3	3632.3	3596.0	3425.7	2974.9
22.5°	2468.8	2475.1	2517.7	2634.3	2851.9	3220.8	3662.2	3928.6	3908.1	3731.6	3194.0
25°	2692.7	2713.2	2687.9	2708.4	2866.1	3239.7	3794.6	4225.0	4229.8	4051.6	3421.0
27.5°	3146.7	3119.9	3060.0	2957.5	2976.4	3290.2	3908.1	4504.1	4545.1	4363.8	3622.8
30°	3608.6	3592.8	3556.6	3397.4	3264.9	3402.1	4004.3	4789.4	4854.1	4671.2	3802.5
32.5°	4127.3	4143.0	4078.4	3887.7	3662.2	3629.1	4103.6	5060.6	5182.0	5019.6	4013.8
35°	4746.8	4751.6	4623.9	4412.6	4157.2	4004.3	4281.8	5360.1	5584.0	5464.2	4296.0
37.5°	5350.6	5379.0	5309.7	4977.0	4750.0	4471.0	4576.6	5744.8	6060.1	6012.8	4650.7
40°	5885.1	5929.2	5907.2	5585.5	5287.6	5052.7	5033.8	6195.7	6635.5	6689.1	5118.9
42.5°	6310.7	6339.1	6356.5	6127.9	5864.6	5732.2	5598.2	6719.1	7315.0	7534.1	5692.7
45°	6760.0	6769.5	6805.8	6651.3	6421.1	6432.1	6265.0	7354.4	8030.7	8470.5	6351.7
47.5°	7332.3	7363.8	7346.5	7184.1	6976.0	7100.6	6954.0	8008.6	8737.0	9470.0	7026.5
50°	8029.1	8062.2	8046.5	7857.3	7625.5	7677.6	7586.1	8644.0	9418.0	10412.8	7587.7
52.5°	8388.6	8415.4	8610.9	8696.0	8574.6	8243.5	8125.3	9342.4	9993.4	11188.4	8103.2
55°	8215.2	8234.1	8659.7	9019.2	9463.7	9132.7	8667.6	9881.5	10501.1	11793.8	8486.3
57.5°	7496.3	7598.7	8177.3	8785.8	9720.7	10010.8	9547.3	10468.0	10989.8	12214.7	8863.1
60°	6022.2	6017.5	6846.7	7939.3	9219.4	10252.0	10789.6	11261.0	11480.1	12537.9	9367.6
62.5°	3328.0	3357.9	4461.5	5900.8	7825.8	9627.7	11721.3	12630.9	12597.8	13102.3	10157.4
65°	1656.9	1716.8	2315.9	3380.0	5207.2	7956.6	11882.1	14721.4	14626.8	14431.3	11789.1
67.5°	1051.5	1075.2	1406.2	1964.3	2894.5	5114.2	10881.0	16280.5	16499.7	16007.8	13408.2
70°	681.0	720.5	977.4	1343.2	1746.8	2635.9	7970.8	15270.0	15772.9	15834.4	12399.2
72.5°	370.5	398.9	624.3	958.5	1261.2	1318.0	4477.3	11459.6	12268.3	13431.8	9700.2
75°	211.3	231.7	342.1	651.1	925.4	802.4	1984.8	7671.3	8186.8	9599.3	6950.8
77.5°	127.7	145.0	192.3	316.9	580.2	536.0	750.4	4669.6	4997.5	5727.4	3648.0
80°	58.3	69.4	121.4	175.0	316.9	253.8	286.9	2177.1	2248.1	2350.6	1207.6
82.5°	26.8	31.5	55.2	104.0	179.7	146.6	110.4	502.9	707.8	670.0	307.4
85°	3.2	3.2	20.5	42.6	50.4	37.8	45.7	113.5	143.5	201.8	88.3
87.5°	0.0	0.0	1.6	1.6	3.2	4.7	9.5	14.2	20.5	33.1	22.1
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°	1917.0	1917.0	1917.0	1917.0	1917.0	1917.0	1917.0	1917.0	1917.0	1917.0	1917.0
2.5°	1947.0	1902.8	1863.4	1805.1	1765.7	1721.5	1691.6	1655.3	1641.1	1630.1	1614.3
5°	1991.1	1920.2	1824.0	1716.8	1628.5	1545.0	1467.7	1417.3	1373.1	1366.8	1344.8
7.5°	2063.6	1958.0	1795.6	1620.6	1470.9	1332.1	1223.4	1135.1	1090.9	1076.8	1051.5
10°	2159.8	2014.8	1753.1	1485.1	1269.1	1103.6	980.6	881.3	811.9	786.7	767.8
12.5°	2267.0	2066.8	1685.3	1318.0	1072.0	882.8	726.8	621.1	577.0	561.2	547.0
15°	2390.0	2115.7	1578.1	1150.8	879.7	649.5	539.2	493.4	474.5	469.8	465.1
17.5°	2508.2	2147.2	1450.4	977.4	676.3	504.5	452.5	435.1	430.4	425.7	422.5
20°	2642.2	2169.3	1300.6	813.5	525.0	427.2	402.0	389.4	379.9	370.5	368.9
22.5°	2779.4	2169.3	1138.2	652.7	439.8	383.1	354.7	331.1	313.7	304.3	301.1
25°	2910.2	2139.3	977.4	521.8	387.8	340.5	304.3	277.5	253.8	242.8	239.6
27.5°	3003.2	2062.1	837.1	441.4	351.6	302.7	258.5	228.6	209.7	198.6	197.1
30°	3061.6	1947.0	707.8	394.1	320.0	263.3	219.1	193.9	179.7	171.8	168.7
32.5°	3105.7	1805.1	592.8	361.0	290.1	228.6	190.8	170.3	157.7	151.3	149.8
35°	3194.0	1671.1	507.6	331.1	258.5	200.2	167.1	151.3	141.9	134.0	132.4
37.5°	3317.0	1559.2	439.8	304.3	228.6	178.1	151.3	137.2	129.3	121.4	119.8
40°	3498.3	1488.2	389.4	277.5	201.8	160.8	138.7	126.1	115.1	107.2	105.6
42.5°	3777.3	1455.1	356.3	250.7	178.1	145.0	127.7	111.9	100.9	93.0	91.4
45°	4109.9	1472.5	327.9	223.9	162.4	134.0	113.5	97.7	86.7	78.8	77.2
47.5°	4466.2	1533.9	304.3	198.6	146.6	123.0	100.9	83.6	74.1	66.2	64.6
50°	4838.3	1634.8	283.8	175.0	134.0	110.4	86.7	72.5	63.1	56.8	55.2
52.5°	5161.5	1772.0	263.3	157.7	123.0	97.7	75.7	63.1	53.6	47.3	45.7
55°	5470.5	1901.3	247.5	141.9	110.4	85.1	66.2	53.6	45.7	39.4	37.8
57.5°	5806.3	2038.4	228.6	127.7	99.3	75.7	58.3	45.7	39.4	33.1	31.5
60°	6295.0	2241.8	200.2	116.7	86.7	66.2	50.4	41.0	34.7	26.8	25.2
62.5°	6999.7	2612.3	168.7	100.9	74.1	56.8	42.6	34.7	28.4	22.1	18.9
65°	8317.6	3242.9	138.7	83.6	59.9	47.3	36.3	28.4	22.1	15.8	14.2
67.5°	9266.7	3406.8	111.9	67.8	48.9	36.3	30.0	22.1	15.8	11.0	9.5
70°	8101.6	2446.7	86.7	55.2	41.0	28.4	23.6	17.3	11.0	7.9	6.3
72.5°	6104.2	1598.6	64.6	42.6	31.5	23.6	17.3	14.2	9.5	6.3	4.7
75°	4302.3	923.8	47.3	31.5	22.1	17.3	14.2	11.0	7.9	4.7	4.7
77.5°	2205.5	381.5	33.1	22.1	15.8	11.0	9.5	6.3	6.3	4.7	3.2
80°	670.0	126.1	18.9	14.2	11.0	7.9	4.7	4.7	4.7	3.2	1.6
82.5°	152.9	41.0	11.0	11.0	7.9	6.3	4.7	1.6	1.6	0.0	0.0
85°	39.4	12.6	9.5	7.9	7.9	6.3	3.2	1.6	0.0	0.0	0.0
87.5°	14.2	7.9	7.9	7.9	6.3	4.7	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)