

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: P633906

Luminaire Tested: GWS-SA2F-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12974.3 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

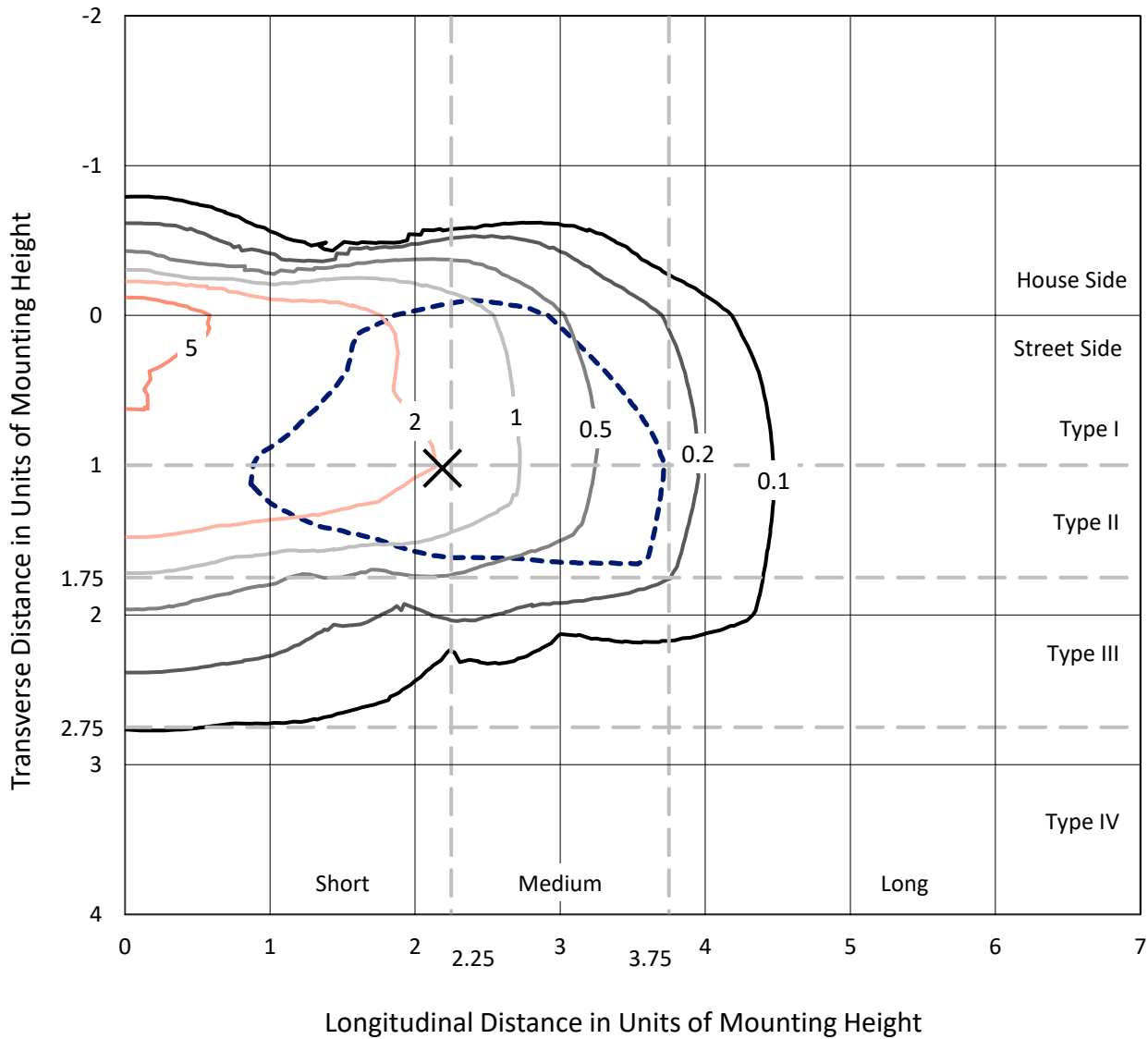
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

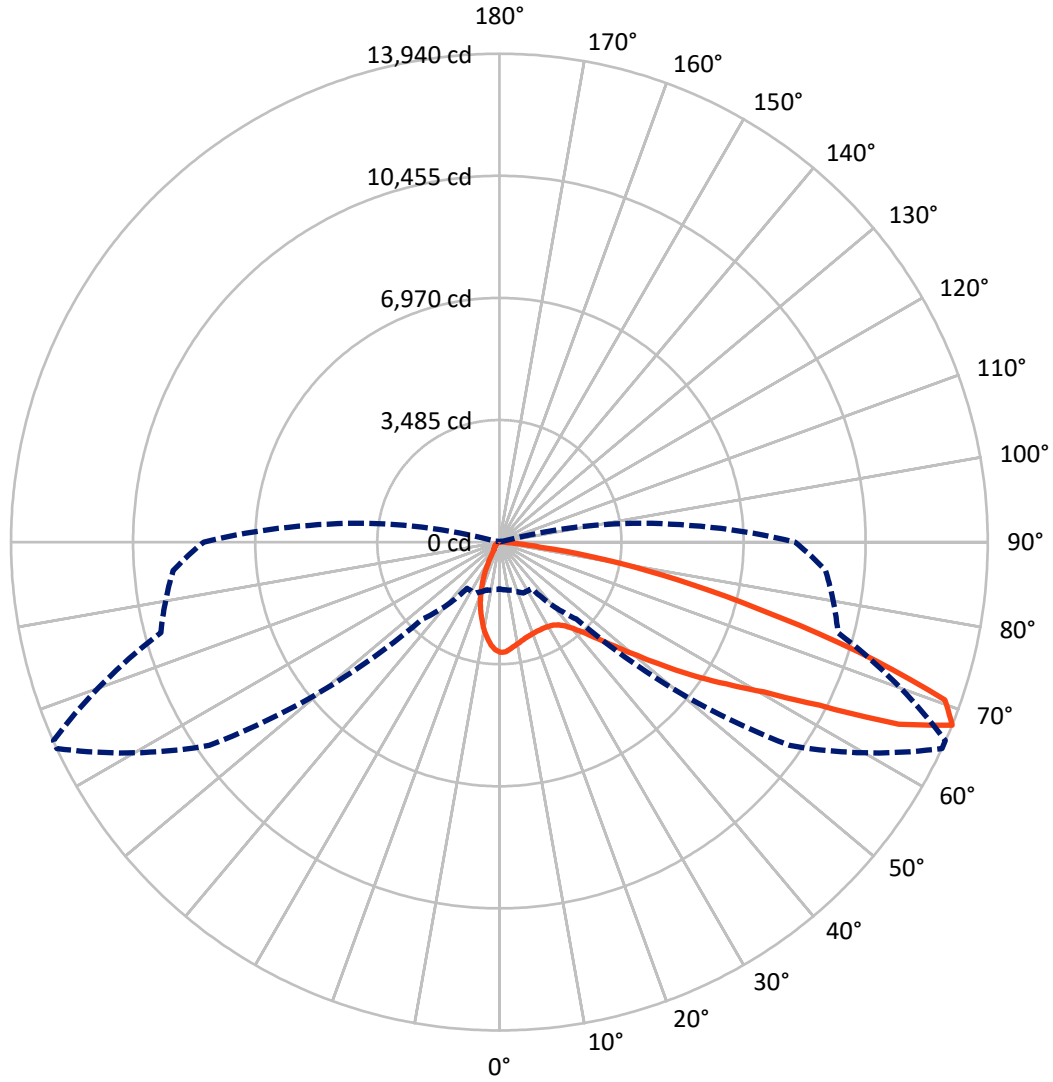
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1620.1	0.0	1620.1
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	11354.2	0.0	11354.2
	% Fixture	87.5	0.0	87.5
Total	Lumens	12974.3	0.0	12974.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.3	2.0
10°-20°	587.5	4.5
20°-30°	839.5	6.5
30°-40°	1221.4	9.4
40°-50°	1912.9	14.7
50°-60°	2984.1	23.0
60°-70°	3277.9	25.3
70°-80°	1744.5	13.4
80°-90°	145.2	1.1
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°	12974.3	100.0
0°-180°	12974.3	100.0

Coefficient of Utilization

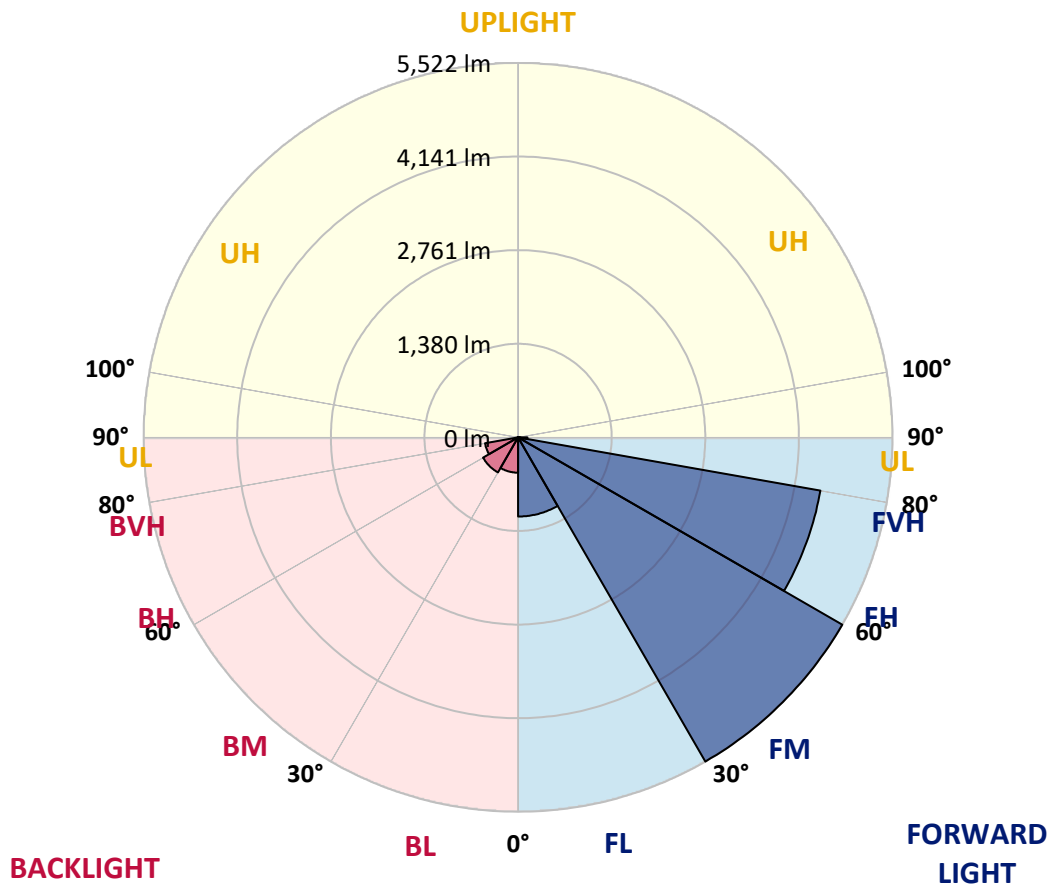


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1167.6	9.0			
FM (30°-60°)	5521.6	42.6			
FH (60°-80°)	4527.5	34.9			G2/5000
FVH (80°-90°)	137.5	1.1			G2/225
BL (0°-30°)	520.7	4.0	B2/1000		
BM (30°-60°)	596.8	4.6	B1/1000		
BH (60°-80°)	494.8	3.8	B1/500		G1/500
BVH (80°-90°)	7.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3146.7	3146.7	3146.7	3146.7	3146.7	3146.7	3146.7	3146.7	3146.7	3146.7	3146.7
2.5°	3037.6	3046.9	3034.0	3065.7	3071.6	3106.8	3126.7	3140.8	3139.6	3157.2	3157.2
5°	2859.2	2868.6	2861.6	2895.6	2922.6	2977.7	3023.5	3076.3	3078.6	3132.6	3152.5
7.5°	2707.9	2709.1	2709.1	2751.3	2786.5	2854.5	2922.6	3003.5	3012.9	3096.2	3149.0
10°	2583.5	2587.0	2588.2	2636.3	2675.0	2757.2	2844.0	2941.4	2951.9	3064.5	3146.7
12.5°	2497.9	2499.0	2503.7	2554.2	2596.4	2682.1	2770.1	2881.5	2895.6	3028.2	3136.1
15°	2456.8	2454.5	2456.8	2499.0	2541.3	2623.4	2713.7	2833.4	2848.7	2997.7	3137.3
17.5°	2454.5	2450.9	2448.6	2480.3	2507.3	2580.0	2671.5	2801.7	2818.2	2983.6	3150.2
20°	2488.5	2486.1	2474.4	2488.5	2494.3	2554.2	2644.5	2777.1	2793.5	2981.2	3178.4
22.5°	2577.6	2571.8	2554.2	2541.3	2509.6	2544.8	2625.8	2759.5	2778.3	2987.1	3214.7
25°	2710.2	2707.9	2685.6	2653.9	2573.0	2558.9	2626.9	2759.5	2777.1	2994.2	3253.4
27.5°	2909.7	2895.6	2867.4	2812.3	2696.1	2614.0	2650.4	2766.5	2784.1	3003.5	3285.1
30°	3112.7	3111.5	3102.1	3045.8	2873.3	2719.6	2699.7	2785.3	2801.7	3011.8	3314.5
32.5°	3322.7	3326.2	3349.6	3306.2	3117.3	2876.8	2788.8	2824.0	2835.8	3028.2	3340.3
35°	3522.1	3529.2	3591.3	3606.6	3414.2	3115.0	2934.3	2901.5	2902.6	3064.5	3374.3
37.5°	3713.4	3736.8	3836.6	3910.5	3783.8	3403.6	3144.3	3032.9	3023.5	3137.3	3425.9
40°	3930.4	3975.0	4100.5	4226.1	4186.2	3784.9	3430.6	3234.7	3214.7	3271.0	3518.6
42.5°	4170.9	4219.0	4385.6	4561.6	4580.4	4246.0	3788.4	3529.2	3495.1	3496.3	3692.2
45°	4429.0	4493.6	4687.2	4940.6	5054.4	4759.9	4229.6	3926.9	3892.9	3842.4	3971.5
47.5°	4768.1	4824.4	5011.0	5303.1	5521.3	5311.3	4808.0	4438.4	4376.3	4302.3	4405.6
50°	5060.3	5109.5	5270.3	5636.3	6090.4	6022.3	5463.9	5077.9	5018.0	4892.5	4978.1
52.5°	5124.8	5163.5	5311.3	5723.1	6525.7	6919.9	6267.5	5851.0	5808.8	5576.5	5609.3
55°	4835.0	4893.7	5026.2	5483.8	6639.5	7797.5	7310.6	6722.8	6634.8	6264.0	6322.7
57.5°	4102.9	4207.3	4331.7	4926.5	6330.9	8264.4	8767.8	7646.1	7566.3	6925.7	6926.9
60°	3007.1	3091.5	3174.8	3719.2	5598.8	8232.7	10090.0	8683.3	8537.8	7466.6	7446.7
62.5°	2187.0	2230.4	2229.2	2422.8	3844.8	7690.7	10784.6	10246.1	9907.0	8045.0	7931.2
65°	1720.0	1718.8	1769.3	1832.6	2147.1	5936.7	10870.2	12528.0	12162.0	8820.5	8583.6
67.5°	1338.7	1364.5	1414.9	1601.5	1613.2	3106.8	10117.0	13939.5	13932.4	10004.4	9347.3
70°	1032.5	1067.7	1139.2	1411.4	1490.0	1738.8	7569.9	13492.5	13606.3	10533.5	8806.5
72.5°	662.9	660.5	766.1	1140.4	1431.4	1449.0	4186.2	10717.7	10846.8	9540.9	7120.5
75°	370.7	373.1	432.9	698.1	1334.0	1363.3	2073.1	7642.6	7744.7	7438.5	5470.9
77.5°	145.5	150.2	203.0	367.2	879.9	1217.8	1231.9	5211.6	5226.9	4609.7	3355.5
80°	58.7	62.2	103.2	227.6	536.2	820.1	879.9	3070.4	3008.2	1784.5	976.2
82.5°	17.6	18.8	41.1	129.1	280.4	583.1	593.7	1178.0	1112.2	383.7	248.7
85°	1.2	1.2	9.4	39.9	99.7	146.7	395.4	383.7	340.2	96.2	110.3
87.5°	0.0	0.0	1.2	1.2	2.3	4.7	42.2	70.4	71.6	17.6	49.3
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°	3146.7	3146.7	3146.7	3146.7	3146.7	3146.7	3146.7	3146.7	3146.7	3146.7	3146.7
2.5°	3157.2	3115.0	3111.5	3078.6	3045.8	3004.7	2956.6	2921.4	2896.8	2853.4	2845.1
5°	3152.5	3096.2	3043.4	2949.6	2845.1	2732.5	2634.0	2542.4	2485.0	2446.2	2429.8
7.5°	3143.2	3071.6	2949.6	2772.4	2597.6	2400.5	2246.8	2106.0	2009.8	1953.5	1928.8
10°	3136.1	3039.9	2841.6	2573.0	2301.9	2029.7	1796.3	1587.4	1471.3	1379.8	1364.5
12.5°	3122.0	2994.2	2703.2	2339.5	1989.8	1628.5	1330.5	1074.7	897.5	817.8	789.6
15°	3108.0	2946.0	2564.7	2093.1	1649.6	1203.8	842.4	596.0	474.0	436.5	434.1
17.5°	3105.6	2902.6	2414.6	1859.6	1292.9	788.4	479.9	386.0	360.2	350.8	350.8
20°	3112.7	2866.3	2266.7	1590.9	942.1	479.9	357.8	334.4	319.1	310.9	310.9
22.5°	3119.7	2828.7	2124.8	1319.9	625.3	350.8	315.6	295.7	278.1	268.7	264.0
25°	3124.4	2787.7	1967.6	1047.7	408.3	305.0	276.9	251.1	230.0	218.2	218.2
27.5°	3123.2	2738.4	1809.2	781.4	316.8	271.0	237.0	210.0	188.9	176.0	177.2
30°	3113.8	2684.4	1644.9	545.6	276.9	237.0	203.0	174.8	153.7	143.1	142.0
32.5°	3106.8	2626.9	1454.8	383.7	248.7	207.7	172.5	145.5	127.9	119.7	118.5
35°	3098.6	2570.6	1274.2	292.1	224.1	179.5	145.5	123.2	109.1	102.1	102.1
37.5°	3100.9	2511.9	1078.2	251.1	199.5	156.0	124.4	105.6	93.9	86.8	85.6
40°	3137.3	2476.7	885.8	227.6	177.2	134.9	107.9	91.5	79.8	72.7	71.6
42.5°	3227.6	2477.9	701.6	210.0	157.2	115.0	93.9	78.6	68.0	59.8	58.7
45°	3408.3	2527.2	538.5	191.2	136.1	99.7	81.0	66.9	56.3	49.3	48.1
47.5°	3704.0	2673.9	408.3	174.8	118.5	86.8	69.2	56.3	46.9	41.1	39.9
50°	4174.4	2939.0	321.5	154.9	99.7	75.1	58.7	46.9	38.7	32.9	31.7
52.5°	4740.0	3336.7	275.7	137.3	85.6	65.7	50.5	38.7	31.7	27.0	25.8
55°	5389.9	3811.9	254.6	119.7	72.7	56.3	41.1	31.7	25.8	22.3	19.9
57.5°	5986.0	4240.2	253.4	102.1	62.2	48.1	34.0	27.0	22.3	17.6	16.4
60°	6566.7	4598.0	238.2	84.5	54.0	39.9	29.3	22.3	18.8	15.3	14.1
62.5°	7093.5	4889.0	199.5	68.0	45.8	32.9	24.6	19.9	16.4	12.9	12.9
65°	7755.2	5259.7	152.5	55.1	37.5	27.0	21.1	17.6	15.3	11.7	11.7
67.5°	8439.2	5455.6	109.1	45.8	30.5	23.5	18.8	16.4	12.9	10.6	10.6
70°	7643.8	4609.7	78.6	37.5	25.8	19.9	16.4	15.3	12.9	10.6	9.4
72.5°	5969.5	3323.8	58.7	29.3	22.3	18.8	15.3	14.1	11.7	9.4	9.4
75°	4426.7	1938.2	44.6	23.5	17.6	15.3	15.3	14.1	11.7	9.4	8.2
77.5°	2406.4	675.8	34.0	18.8	14.1	11.7	12.9	12.9	10.6	8.2	7.0
80°	637.1	185.4	23.5	14.1	11.7	9.4	9.4	11.7	9.4	7.0	7.0
82.5°	185.4	54.0	16.4	11.7	9.4	8.2	8.2	8.2	7.0	5.9	4.7
85°	90.3	19.9	11.7	9.4	8.2	7.0	5.9	5.9	4.7	3.5	3.5
87.5°	39.9	8.2	9.4	8.2	8.2	5.9	4.7	3.5	3.5	2.3	1.2
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)