

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: P633800

Luminaire Tested: GWS-SA2F-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-740-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13139 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

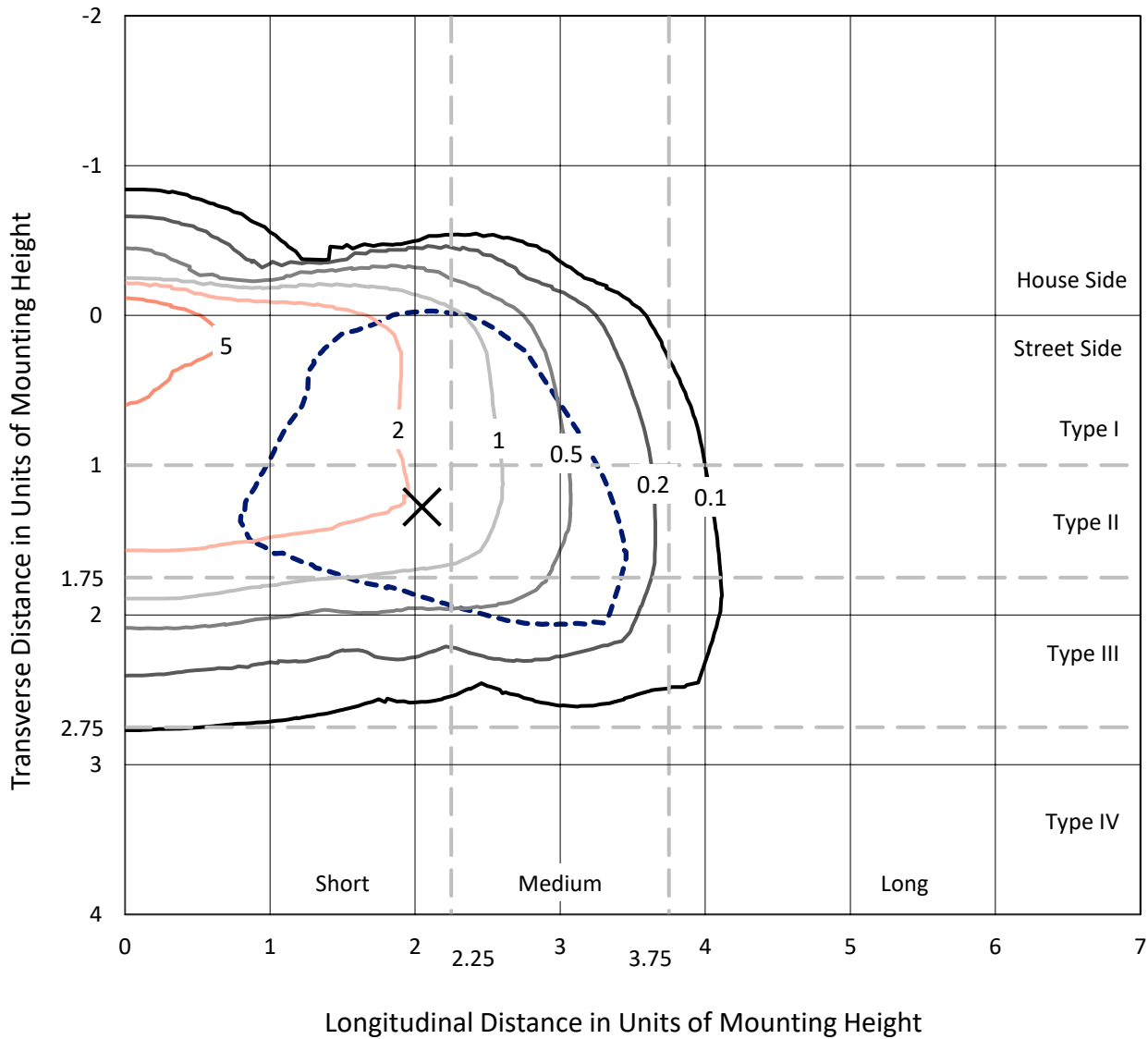
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633800
 CATALOG NUMBER: GWS-SA2F-740-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

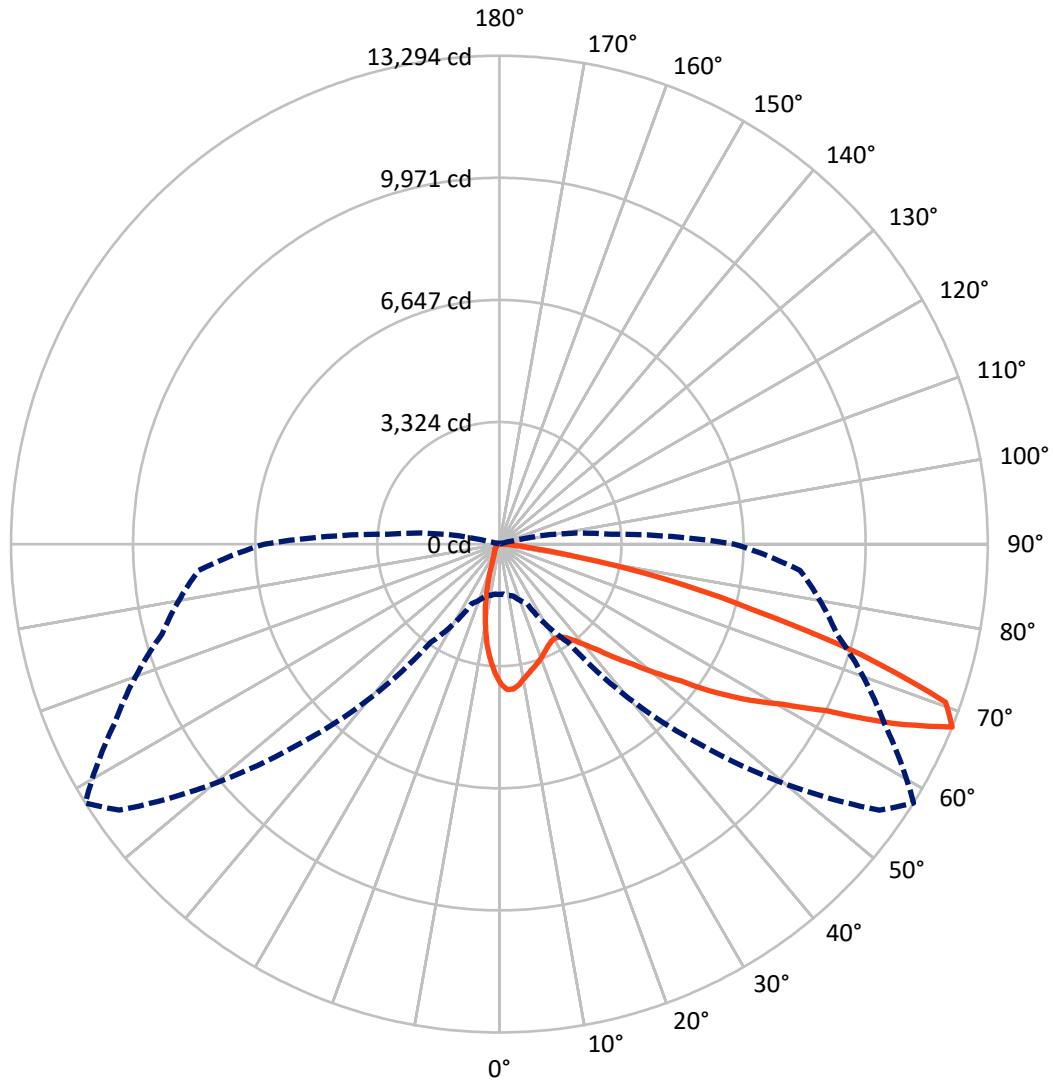
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.5 fc
 Type III - Short - N/A

REPORT NUMBER: P633800
CATALOG NUMBER: GWS-SA2F-740-U-SL3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P633800
 CATALOG NUMBER: GWS-SA2F-740-U-SL3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1283.6	0.0	1283.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	11855.4	0.0	11855.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	13139.0	0.0	13139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.0	2.3
10°-20°	641.1	4.9
20°-30°	864.5	6.6
30°-40°	1214.8	9.2
40°-50°	1876.2	14.3
50°-60°	3000.3	22.8
60°-70°	3552.6	27.0
70°-80°	1571.6	12.0
80°-90°	109.9	0.8
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°	13139.0	100.0
0°-180°	13139.0	100.0

Coefficient of Utilization



REPORT NUMBER: P633800

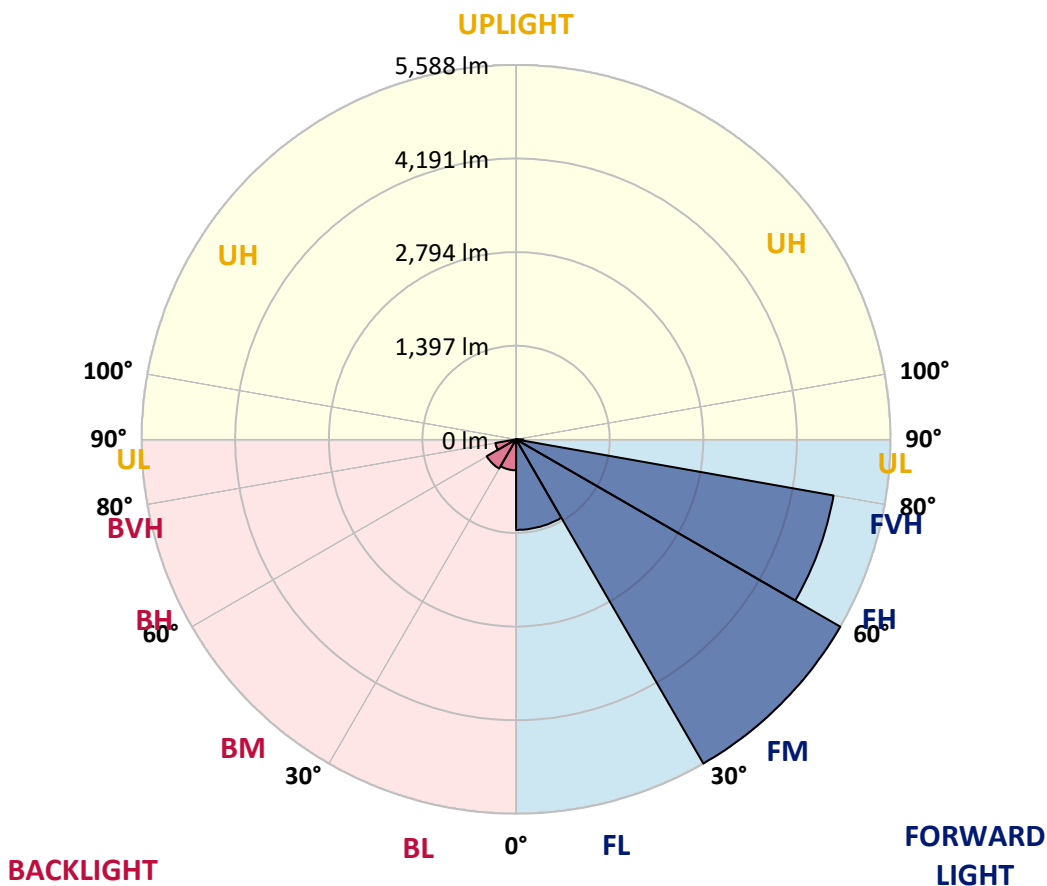
CATALOG NUMBER: GWS-SA2F-740-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1351.7	10.3			
FM (30°-60°)	5587.7	42.5			
FH (60°-80°)	4810.8	36.6			G2/5000
FVH (80°-90°)	105.2	0.8			G2/225
BL (0°-30°)	461.9	3.5	B1/500		
BM (30°-60°)	503.6	3.8	B1/1000		
BH (60°-80°)	313.4	2.4	B1/500		G1/500
BVH (80°-90°)	4.7	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-G2

Type III Short





REPORT NUMBER: P633800

CATALOG NUMBER: GWS-SA2F-740-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9
2.5°	3986.4	3993.4	4002.7	4014.3	4012.0	4001.6	3988.8	3959.7	3941.1	3882.9	3812.0
5°	3858.5	3857.4	3880.6	3902.7	3942.2	3963.2	3992.2	3965.5	3956.2	3886.4	3771.3
7.5°	3608.5	3621.3	3648.0	3682.9	3739.9	3801.5	3871.3	3863.2	3891.1	3844.6	3701.5
10°	3363.1	3356.1	3398.0	3450.3	3537.6	3616.6	3717.8	3716.6	3789.9	3785.3	3622.4
12.5°	3148.0	3146.8	3179.4	3238.7	3341.0	3451.5	3588.7	3592.2	3682.9	3720.1	3555.0
15°	2966.6	2968.9	3000.3	3061.9	3167.8	3302.6	3462.0	3491.0	3593.4	3669.0	3488.7
17.5°	2837.5	2838.6	2857.3	2910.7	3014.2	3158.4	3350.3	3389.9	3521.3	3630.6	3435.2
20°	2778.2	2773.5	2777.0	2803.8	2884.0	3015.4	3236.4	3287.5	3455.0	3603.8	3386.4
22.5°	2786.3	2779.3	2763.1	2759.6	2795.6	2895.6	3115.4	3178.2	3382.9	3587.6	3342.2
25°	2858.4	2843.3	2820.0	2785.2	2771.2	2821.2	3009.6	3074.7	3315.4	3588.7	3308.5
27.5°	2968.9	2952.6	2923.5	2877.0	2822.4	2801.4	2937.5	2999.1	3267.8	3615.5	3292.2
30°	3109.6	3096.8	3068.9	3013.1	2939.8	2853.8	2922.4	2973.5	3244.5	3670.1	3299.2
32.5°	3275.9	3266.6	3243.3	3192.2	3108.4	2977.0	2973.5	3013.1	3263.1	3749.2	3325.9
35°	3436.4	3439.9	3441.0	3413.1	3323.6	3164.3	3114.3	3128.2	3339.9	3867.8	3386.4
37.5°	3609.7	3601.5	3643.4	3663.1	3577.1	3407.3	3331.7	3332.9	3486.4	4043.4	3500.3
40°	3741.1	3743.4	3834.1	3915.5	3879.4	3715.5	3607.3	3606.2	3712.0	4284.1	3684.1
42.5°	3864.3	3879.4	4013.2	4152.7	4202.7	4057.4	3979.5	3950.4	4028.3	4609.8	3959.7
45°	3995.7	4017.8	4205.1	4403.9	4535.3	4449.3	4387.6	4399.3	4408.6	4988.9	4330.7
47.5°	4149.2	4163.2	4394.6	4674.9	4920.2	4898.2	4901.6	4887.7	4883.0	5466.8	4821.4
50°	4335.3	4367.9	4634.2	4969.1	5304.0	5450.5	5499.4	5505.2	5429.6	5987.8	5329.6
52.5°	4730.7	4770.2	4998.2	5291.2	5722.7	6030.8	6229.7	6190.1	6073.8	6492.5	5886.6
55°	5197.0	5227.3	5447.0	5750.6	6234.3	6666.9	7139.1	7122.8	6837.9	7023.9	6344.8
57.5°	5241.2	5274.9	5615.7	6080.8	6891.4	7453.1	7949.6	8001.9	7584.5	7400.7	6754.1
60°	4744.6	4813.3	5278.4	5904.1	7142.6	8510.1	8838.1	8848.5	8132.2	7783.3	7254.2
62.5°	3802.7	3835.3	4303.9	5120.3	6755.3	9126.5	10195.2	9974.2	8835.7	8375.2	8046.1
65°	1993.2	2125.8	2534.0	3437.5	5478.4	8911.3	11827.9	11767.4	10101.0	9223.0	8662.5
67.5°	1367.6	1366.4	1462.9	1792.0	3266.6	7672.8	12629.1	13294.3	11563.9	9513.7	8215.9
70°	1040.8	1044.3	1130.3	1344.3	1692.0	5107.5	11750.0	12887.3	11836.0	8638.1	6644.8
72.5°	690.8	697.7	840.8	1086.2	1351.3	2503.7	9131.1	10311.5	9959.1	6937.9	4677.2
75°	412.8	418.6	521.0	789.6	1201.3	1401.3	5801.7	7128.6	6855.3	4781.9	2507.2
77.5°	169.8	174.4	267.5	491.9	879.2	1088.5	3208.5	4664.4	4106.2	1901.3	685.0
80°	70.9	73.3	129.1	344.2	633.8	682.6	1486.2	2192.1	1682.7	409.3	209.3
82.5°	25.6	26.7	47.7	189.6	394.2	514.0	750.1	866.4	474.5	133.7	112.8
85°	1.2	1.2	11.6	64.0	150.0	145.4	429.1	415.2	157.0	55.8	67.4
87.5°	0.0	0.0	1.2	1.2	2.3	5.8	40.7	72.1	33.7	14.0	29.1
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: P633800

CATALOG NUMBER: GWS-SA2F-740-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9
2.5°	3765.5	3703.8	3636.4	3573.6	3473.6	3414.3	3341.0	3308.5	3261.9	3250.3	3257.3
5°	3688.7	3582.9	3421.3	3274.7	3085.2	2932.8	2779.3	2714.2	2630.5	2574.7	2551.4
7.5°	3580.6	3442.2	3189.8	2923.5	2663.1	2385.1	2173.5	2033.9	1907.2	1837.4	1823.4
10°	3471.3	3291.0	2929.4	2547.9	2144.4	1811.8	1525.7	1314.1	1142.0	1064.1	1003.6
12.5°	3358.5	3134.0	2664.2	2166.5	1697.8	1244.3	890.8	685.0	561.7	512.8	521.0
15°	3255.0	2982.8	2401.4	1785.1	1195.5	751.2	491.9	415.2	386.1	376.8	375.6
17.5°	3156.1	2839.8	2139.7	1414.1	788.4	460.5	376.8	358.2	350.0	345.4	345.4
20°	3066.6	2702.6	1883.9	1065.2	509.4	365.2	340.7	331.4	324.5	321.0	321.0
22.5°	2982.8	2570.0	1633.9	753.6	375.6	327.9	312.8	303.5	295.4	290.7	290.7
25°	2907.3	2450.2	1395.5	518.7	323.3	300.0	283.7	273.3	259.3	251.2	251.2
27.5°	2852.6	2343.3	1166.4	377.9	291.9	269.8	251.2	237.2	222.1	212.8	210.5
30°	2820.0	2252.5	935.0	310.5	262.8	240.7	219.8	202.3	184.9	175.6	174.4
32.5°	2801.4	2168.8	723.3	271.0	238.4	212.8	189.6	170.9	153.5	143.0	141.9
35°	2808.4	2103.7	541.9	244.2	215.1	188.4	162.8	144.2	129.1	119.8	117.5
37.5°	2868.9	2074.6	407.0	223.3	195.4	167.5	140.7	123.3	109.3	102.3	101.2
40°	2986.3	2080.4	319.8	207.0	179.1	146.5	120.9	104.7	94.2	88.4	87.2
42.5°	3168.9	2129.3	264.0	193.0	161.6	127.9	104.7	91.9	81.4	75.6	74.4
45°	3441.0	2230.4	230.3	176.8	143.0	110.5	90.7	79.1	69.8	62.8	61.6
47.5°	3835.3	2406.0	208.2	161.6	126.8	95.4	77.9	66.3	58.1	52.3	51.2
50°	4255.1	2616.5	189.6	146.5	112.8	82.6	66.3	54.7	47.7	41.9	40.7
52.5°	4702.8	2843.3	175.6	132.6	100.0	70.9	55.8	45.4	38.4	32.6	31.4
55°	5133.1	3071.2	159.3	123.3	84.9	60.5	46.5	37.2	30.2	25.6	25.6
57.5°	5551.7	3280.6	141.9	108.2	69.8	51.2	38.4	30.2	24.4	20.9	19.8
60°	6051.8	3570.1	122.1	91.9	58.1	43.0	31.4	24.4	19.8	16.3	16.3
62.5°	6794.8	3871.3	104.7	76.8	48.8	36.1	25.6	19.8	16.3	14.0	12.8
65°	7037.9	3708.5	88.4	62.8	39.5	29.1	20.9	17.4	14.0	12.8	11.6
67.5°	6389.0	3039.8	73.3	51.2	32.6	24.4	18.6	15.1	12.8	11.6	10.5
70°	4985.4	2157.2	57.0	38.4	26.7	19.8	16.3	14.0	11.6	10.5	10.5
72.5°	3391.0	1275.7	45.4	29.1	22.1	17.4	14.0	12.8	11.6	10.5	9.3
75°	1669.9	453.5	34.9	22.1	17.4	15.1	12.8	11.6	10.5	9.3	9.3
77.5°	450.0	125.6	26.7	17.4	14.0	11.6	11.6	11.6	10.5	8.1	8.1
80°	152.3	52.3	19.8	12.8	11.6	9.3	8.1	10.5	9.3	8.1	7.0
82.5°	83.7	25.6	14.0	10.5	8.1	7.0	7.0	7.0	7.0	5.8	5.8
85°	53.5	14.0	9.3	8.1	8.1	5.8	4.7	4.7	3.5	3.5	3.5
87.5°	24.4	8.1	8.1	7.0	7.0	5.8	3.5	2.3	1.2	1.2	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)