

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: P635776

Luminaire Tested: GWS-SA3E-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635776
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-SA3E-740-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17433 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

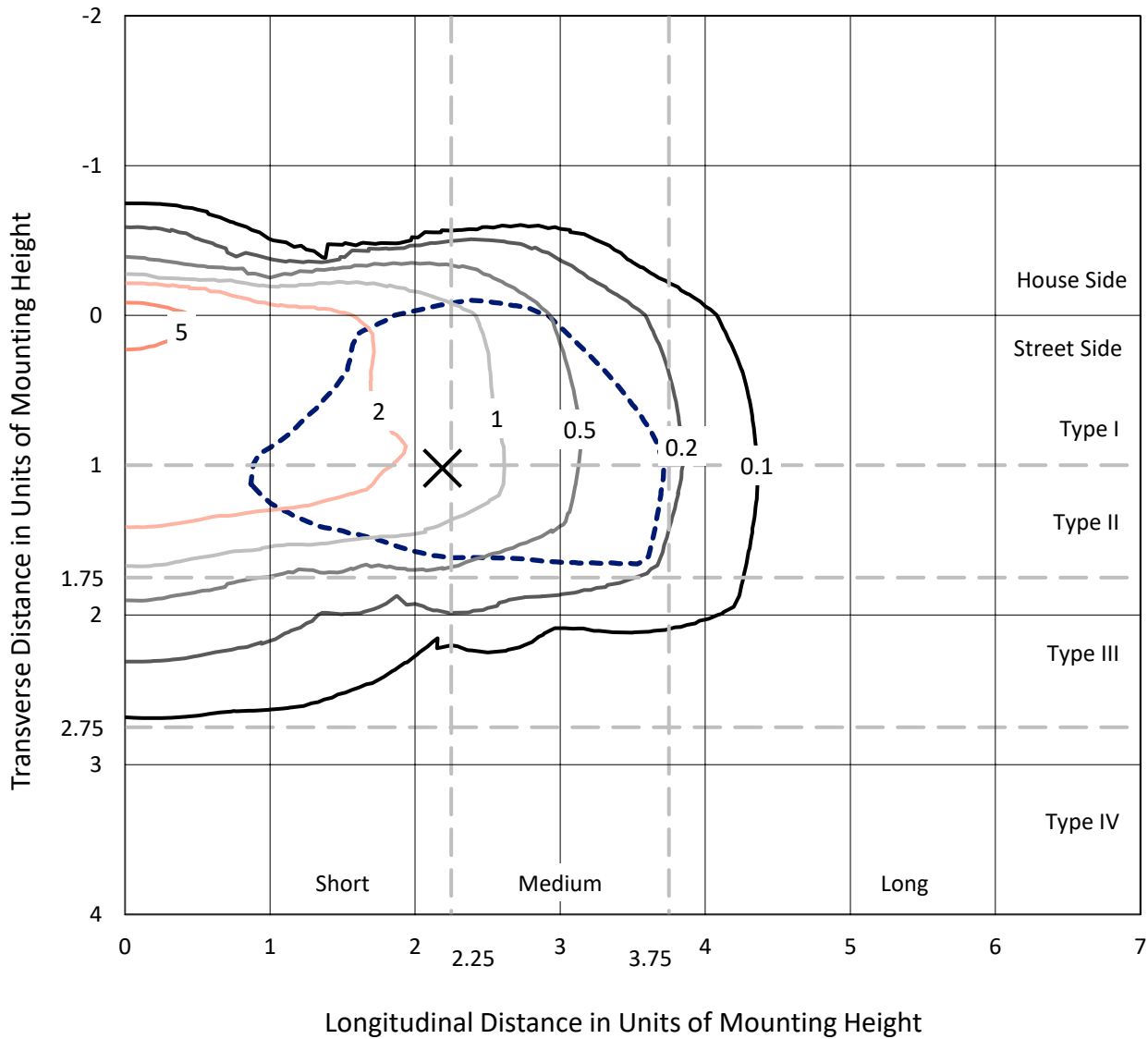
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635776
 CATALOG NUMBER: GWS-SA3E-740-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

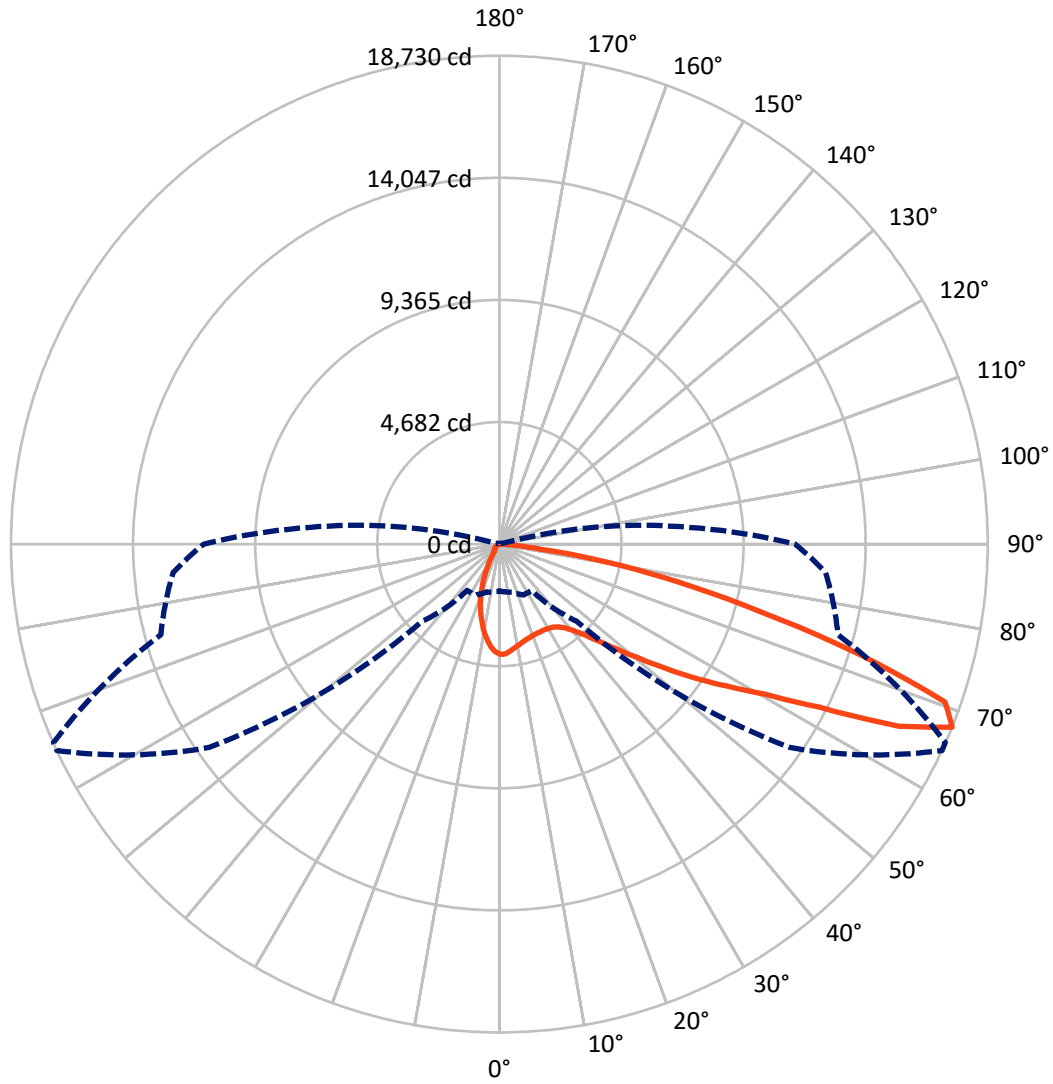
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

REPORT NUMBER: P635776
CATALOG NUMBER: GWS-SA3E-740-U-SL2-W-HSS

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	2176.9	0.0	2176.9
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	15256.1	0.0	15256.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	17433.0	0.0	17433.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.2	2.0
10°-20°	789.4	4.5
20°-30°	1128.0	6.5
30°-40°	1641.1	9.4
40°-50°	2570.2	14.7
50°-60°	4009.6	23.0
60°-70°	4404.4	25.3
70°-80°	2344.0	13.4
80°-90°	195.2	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°	17433.0	100.0
0°-180°	17433.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635776

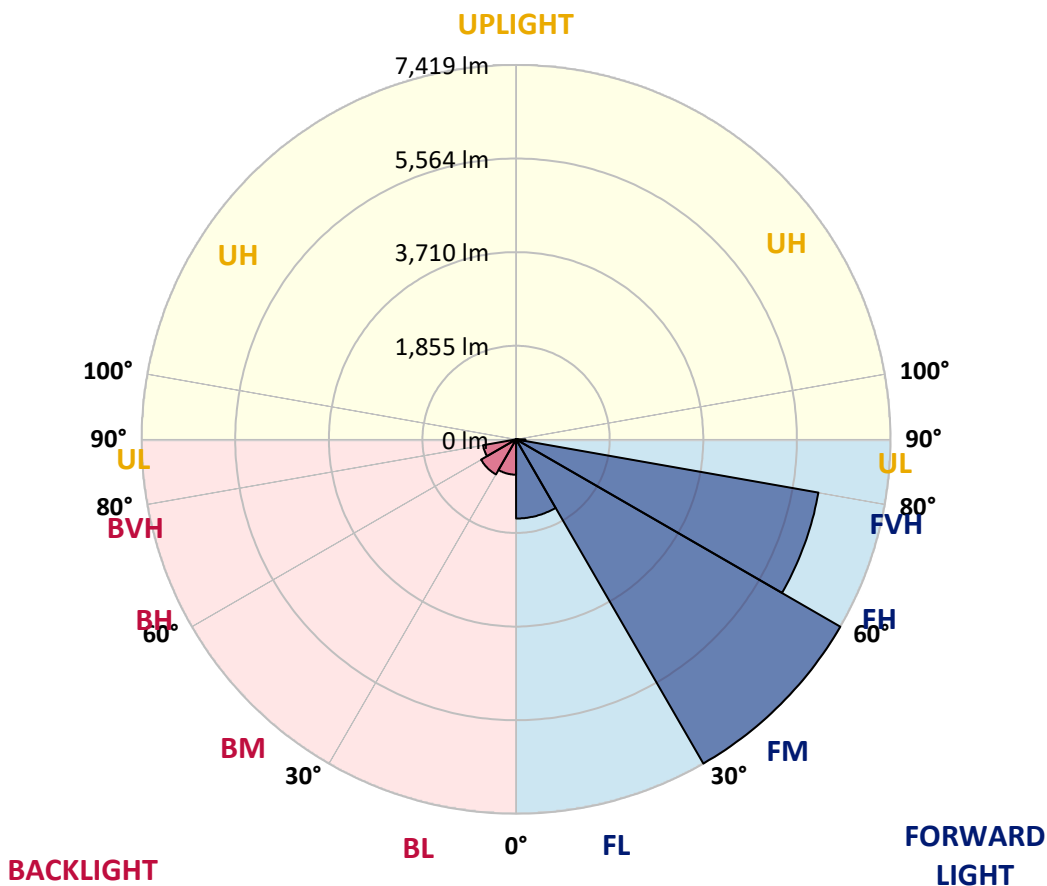
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1568.9	9.0			
FM (30°-60°)	7419.1	42.6			
FH (60°-80°)	6083.4	34.9			G3/7500
FVH (80°-90°)	184.7	1.1			G2/225
BL (0°-30°)	699.7	4.0	B2/1000		
BM (30°-60°)	801.8	4.6	B1/1000		
BH (60°-80°)	664.9	3.8	B2/1000		G2/1000
BVH (80°-90°)	10.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short





REPORT NUMBER: P635776

CATALOG NUMBER: GWS-SA3E-740-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4228.1	4228.1	4228.1	4228.1	4228.1	4228.1	4228.1	4228.1	4228.1	4228.1	4228.1
2.5°	4081.4	4094.1	4076.7	4119.3	4127.2	4174.5	4201.3	4220.2	4218.6	4242.2	4242.2
5°	3841.8	3854.4	3845.0	3890.7	3926.9	4001.0	4062.5	4133.5	4136.6	4209.1	4235.9
7.5°	3638.5	3640.0	3640.0	3696.8	3744.1	3835.5	3926.9	4035.7	4048.3	4160.3	4231.2
10°	3471.4	3476.1	3477.7	3542.3	3594.3	3704.7	3821.3	3952.2	3966.4	4117.7	4228.1
12.5°	3356.3	3357.8	3364.2	3431.9	3488.7	3603.8	3722.0	3871.8	3890.7	4068.8	4213.9
15°	3301.1	3297.9	3301.1	3357.8	3414.6	3525.0	3646.3	3807.1	3827.6	4027.8	4215.4
17.5°	3297.9	3293.2	3290.1	3332.6	3368.9	3466.6	3589.6	3764.6	3786.6	4008.9	4232.8
20°	3343.7	3340.5	3324.7	3343.7	3351.5	3431.9	3553.3	3731.5	3753.5	4005.8	4270.6
22.5°	3463.5	3455.6	3431.9	3414.6	3372.0	3419.3	3528.1	3707.8	3733.0	4013.7	4319.5
25°	3641.6	3638.5	3608.5	3565.9	3457.2	3438.2	3529.7	3707.8	3731.5	4023.1	4371.5
27.5°	3909.6	3890.7	3852.9	3778.8	3622.7	3512.3	3561.2	3717.3	3740.9	4035.7	4414.1
30°	4182.3	4180.8	4168.1	4092.5	3860.7	3654.2	3627.4	3742.5	3764.6	4046.8	4453.5
32.5°	4464.5	4469.2	4500.8	4442.4	4188.6	3865.5	3747.2	3794.5	3810.3	4068.8	4488.2
35°	4732.5	4742.0	4825.5	4846.0	4587.5	4185.5	3942.7	3898.6	3900.1	4117.7	4533.9
37.5°	4989.5	5021.0	5155.0	5254.3	5084.1	4573.3	4224.9	4075.1	4062.5	4215.4	4603.2
40°	5281.1	5341.0	5509.7	5678.4	5624.8	5085.6	4609.6	4346.3	4319.5	4395.2	4727.8
42.5°	5604.3	5668.9	5892.8	6129.3	6154.5	5705.2	5090.4	4742.0	4696.3	4697.8	4961.1
45°	5951.1	6037.8	6297.9	6638.5	6791.4	6395.7	5683.1	5276.4	5230.7	5162.9	5336.3
47.5°	6406.7	6482.4	6733.0	7125.6	7418.8	7136.6	6460.3	5963.7	5880.2	5780.9	5919.6
50°	6799.2	6865.5	7081.4	7573.3	8183.4	8091.9	7341.5	6822.9	6742.5	6573.8	6688.9
52.5°	6886.0	6938.0	7136.6	7689.9	8768.2	9297.9	8421.4	7861.8	7805.0	7492.9	7537.0
55°	6496.6	6575.4	6753.5	7368.3	8921.2	10477.1	9822.9	9033.1	8914.9	8416.7	8495.5
57.5°	5512.9	5653.2	5820.3	6619.5	8506.5	11104.5	11780.8	10273.8	10166.6	9305.8	9307.4
60°	4040.5	4154.0	4265.9	4997.4	7522.8	11062.0	13557.5	11667.3	11471.9	10032.6	10005.8
62.5°	2938.5	2996.8	2995.3	3255.4	5166.0	10333.7	14490.8	13767.2	13311.6	10809.8	10656.8
65°	2311.1	2309.5	2377.3	2462.4	2884.9	7976.9	14605.9	16833.4	16341.5	11851.8	11533.3
67.5°	1798.7	1833.4	1901.2	2151.9	2167.6	4174.5	13593.8	18729.9	18720.4	13442.4	12559.6
70°	1387.3	1434.6	1530.7	1896.5	2002.1	2336.3	10171.3	18129.2	18282.1	14153.4	11832.9
72.5°	890.7	887.5	1029.4	1532.3	1923.3	1946.9	5624.8	14400.9	14574.3	12819.7	9567.5
75°	498.2	501.3	581.7	938.0	1792.4	1831.8	2785.6	10269.0	10406.2	9994.7	7351.0
77.5°	195.5	201.8	272.7	493.4	1182.3	1636.4	1655.3	7002.6	7023.1	6193.9	4508.7
80°	78.8	83.6	138.7	305.8	720.4	1101.9	1182.3	4125.6	4042.0	2397.8	1311.6
82.5°	23.6	25.2	55.2	173.4	376.8	783.5	797.7	1582.8	1494.5	515.5	334.2
85°	1.6	1.6	12.6	53.6	134.0	197.1	531.3	515.5	457.2	129.3	148.2
87.5°	0.0	0.0	1.6	1.6	3.2	6.3	56.8	94.6	96.2	23.6	66.2
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°	4228.1	4228.1	4228.1	4228.1	4228.1	4228.1	4228.1	4228.1	4228.1	4228.1	4228.1
2.5°	4242.2	4185.5	4180.8	4136.6	4092.5	4037.3	3972.7	3925.4	3892.3	3833.9	3822.9
5°	4235.9	4160.3	4089.3	3963.2	3822.9	3671.6	3539.1	3416.2	3338.9	3286.9	3264.8
7.5°	4223.3	4127.2	3963.2	3725.2	3490.3	3225.4	3018.9	2829.7	2700.5	2624.8	2591.7
10°	4213.9	4084.6	3818.2	3457.2	3093.0	2727.3	2413.6	2132.9	1976.9	1853.9	1833.4
12.5°	4194.9	4023.1	3632.2	3143.5	2673.7	2188.1	1787.7	1444.0	1206.0	1098.8	1061.0
15°	4176.0	3958.5	3446.1	2812.4	2216.5	1617.4	1131.9	800.8	636.9	586.4	583.3
17.5°	4172.9	3900.1	3244.3	2498.7	1737.3	1059.4	644.8	518.7	484.0	471.4	471.4
20°	4182.3	3851.3	3045.7	2137.7	1265.9	644.8	480.8	449.3	428.8	417.8	417.8
22.5°	4191.8	3800.8	2855.0	1773.5	840.3	471.4	424.1	397.3	373.6	361.0	354.7
25°	4198.1	3745.7	2643.7	1407.8	548.6	409.9	372.0	337.4	309.0	293.2	293.2
27.5°	4196.5	3679.4	2430.9	1049.9	425.6	364.2	318.4	282.2	253.8	236.5	238.0
30°	4183.9	3606.9	2210.2	733.1	372.0	318.4	272.7	234.9	206.5	192.3	190.8
32.5°	4174.5	3529.7	1954.8	515.5	334.2	279.0	231.7	195.5	171.8	160.8	159.2
35°	4163.4	3454.0	1712.0	392.5	301.1	241.2	195.5	165.5	146.6	137.2	137.2
37.5°	4166.6	3375.2	1448.8	337.4	268.0	209.7	167.1	141.9	126.1	116.7	115.1
40°	4215.4	3327.9	1190.2	305.8	238.0	181.3	145.0	123.0	107.2	97.7	96.2
42.5°	4336.8	3329.5	942.7	282.2	211.2	154.5	126.1	105.6	91.4	80.4	78.8
45°	4579.6	3395.7	723.6	257.0	182.9	134.0	108.8	89.9	75.7	66.2	64.6
47.5°	4976.9	3592.7	548.6	234.9	159.2	116.7	93.0	75.7	63.1	55.2	53.6
50°	5609.0	3949.0	431.9	208.1	134.0	100.9	78.8	63.1	52.0	44.1	42.6
52.5°	6368.9	4483.4	370.5	184.4	115.1	88.3	67.8	52.0	42.6	36.3	34.7
55°	7242.2	5121.9	342.1	160.8	97.7	75.7	55.2	42.6	34.7	30.0	26.8
57.5°	8043.1	5697.3	340.5	137.2	83.6	64.6	45.7	36.3	30.0	23.6	22.1
60°	8823.4	6178.1	320.0	113.5	72.5	53.6	39.4	30.0	25.2	20.5	18.9
62.5°	9531.2	6569.1	268.0	91.4	61.5	44.1	33.1	26.8	22.1	17.3	17.3
65°	10420.4	7067.2	204.9	74.1	50.4	36.3	28.4	23.6	20.5	15.8	15.8
67.5°	11339.4	7330.5	146.6	61.5	41.0	31.5	25.2	22.1	17.3	14.2	14.2
70°	10270.6	6193.9	105.6	50.4	34.7	26.8	22.1	20.5	17.3	14.2	12.6
72.5°	8021.0	4466.1	78.8	39.4	30.0	25.2	20.5	18.9	15.8	12.6	12.6
75°	5948.0	2604.3	59.9	31.5	23.6	20.5	20.5	18.9	15.8	12.6	11.0
77.5°	3233.3	908.0	45.7	25.2	18.9	15.8	17.3	17.3	14.2	11.0	9.5
80°	856.0	249.1	31.5	18.9	15.8	12.6	12.6	15.8	12.6	9.5	9.5
82.5°	249.1	72.5	22.1	15.8	12.6	11.0	11.0	11.0	9.5	7.9	6.3
85°	121.4	26.8	15.8	12.6	11.0	9.5	7.9	7.9	6.3	4.7	4.7
87.5°	53.6	11.0	12.6	11.0	11.0	7.9	6.3	4.7	4.7	3.2	1.6
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)