

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: P637732

Luminaire Tested: GWS-SA4D-735-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-735-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18907.8 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

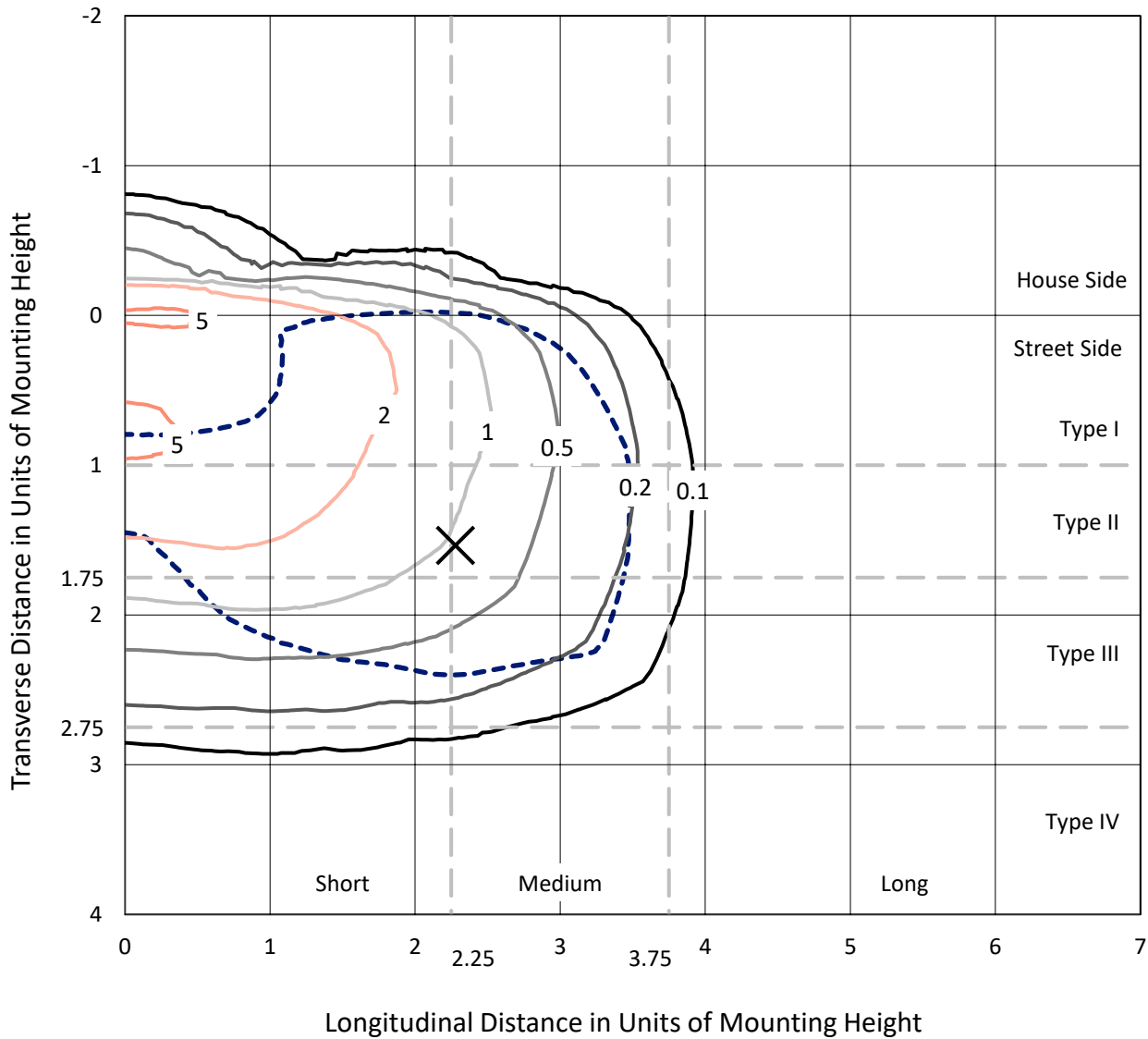
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637732
 CATALOG NUMBER: GWS-SA4D-735-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

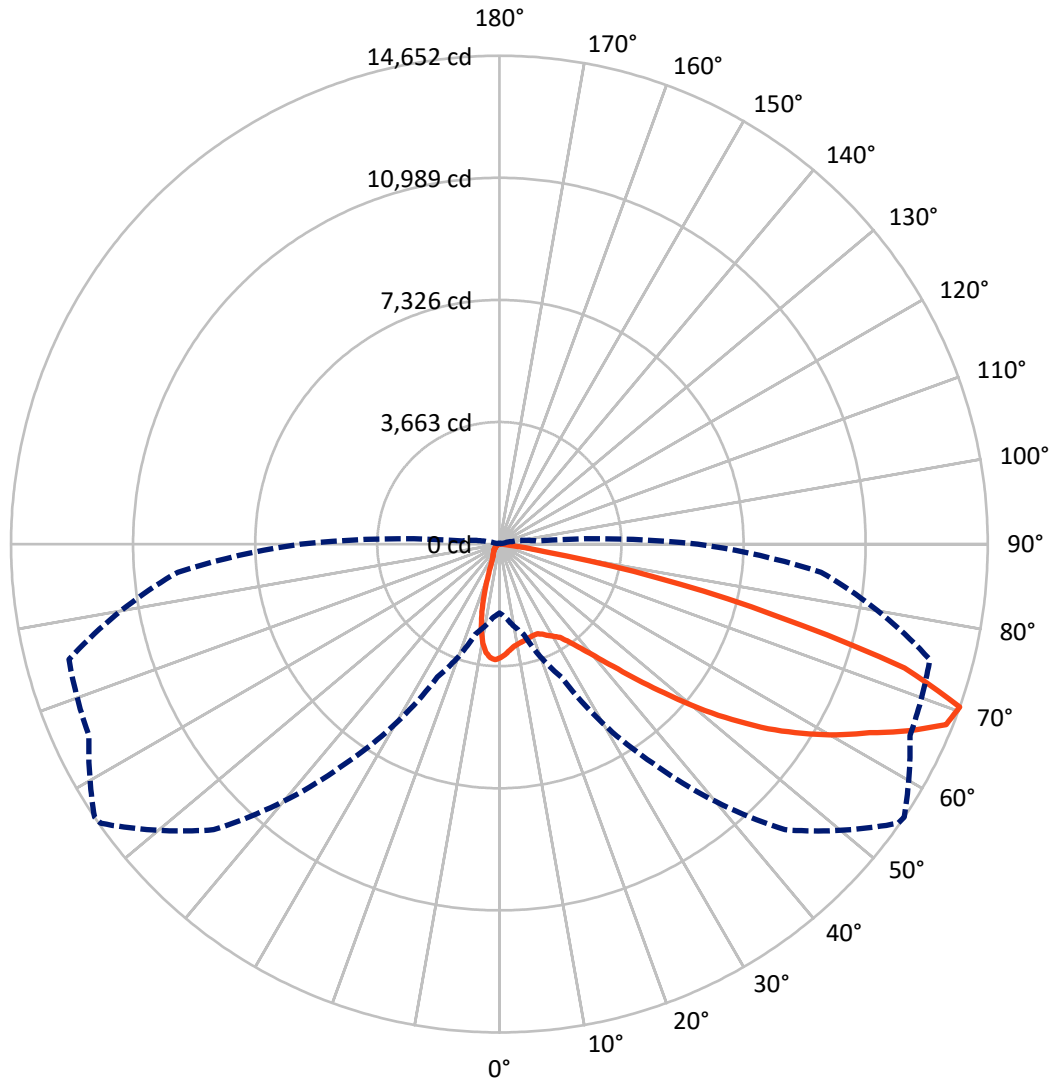
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P637732
CATALOG NUMBER: GWS-SA4D-735-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P637732

CATALOG NUMBER: GWS-SA4D-735-U-T3R-W-HSS

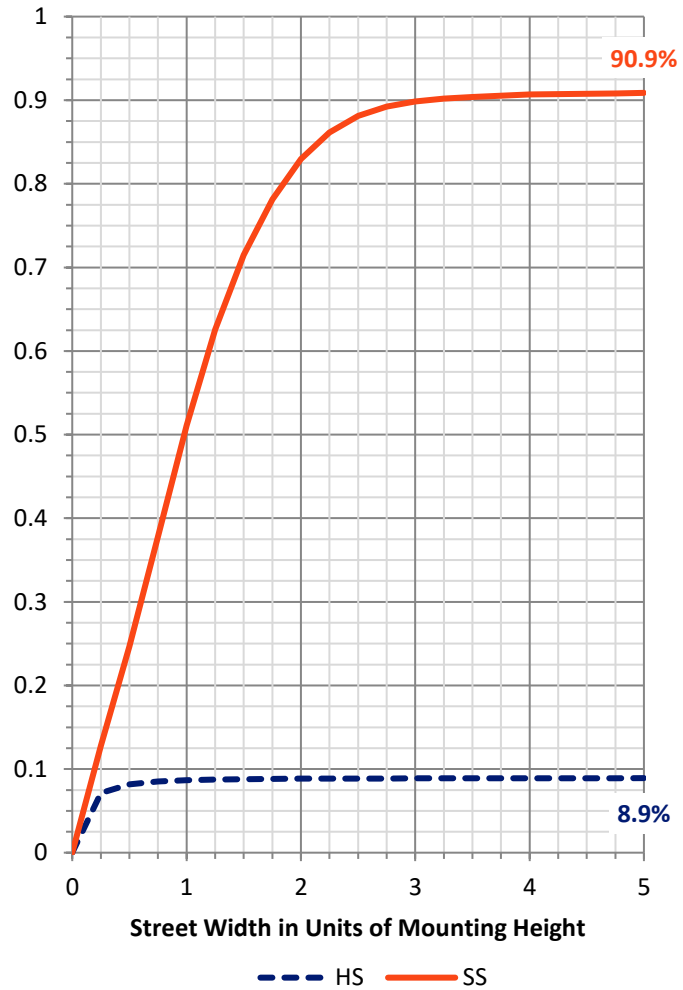
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1698.3	0.0	1698.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	17209.5	0.0	17209.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	18907.8	0.0	18907.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.7	1.5
10°-20°	658.3	3.5
20°-30°	1042.8	5.5
30°-40°	1798.4	9.5
40°-50°	3036.8	16.1
50°-60°	4462.1	23.6
60°-70°	5290.0	28.0
70°-80°	2255.9	11.9
80°-90°	70.8	0.4
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°	18907.8	100.0
0°-180°	18907.8	100.0

Coefficient of Utilization



REPORT NUMBER: P637732

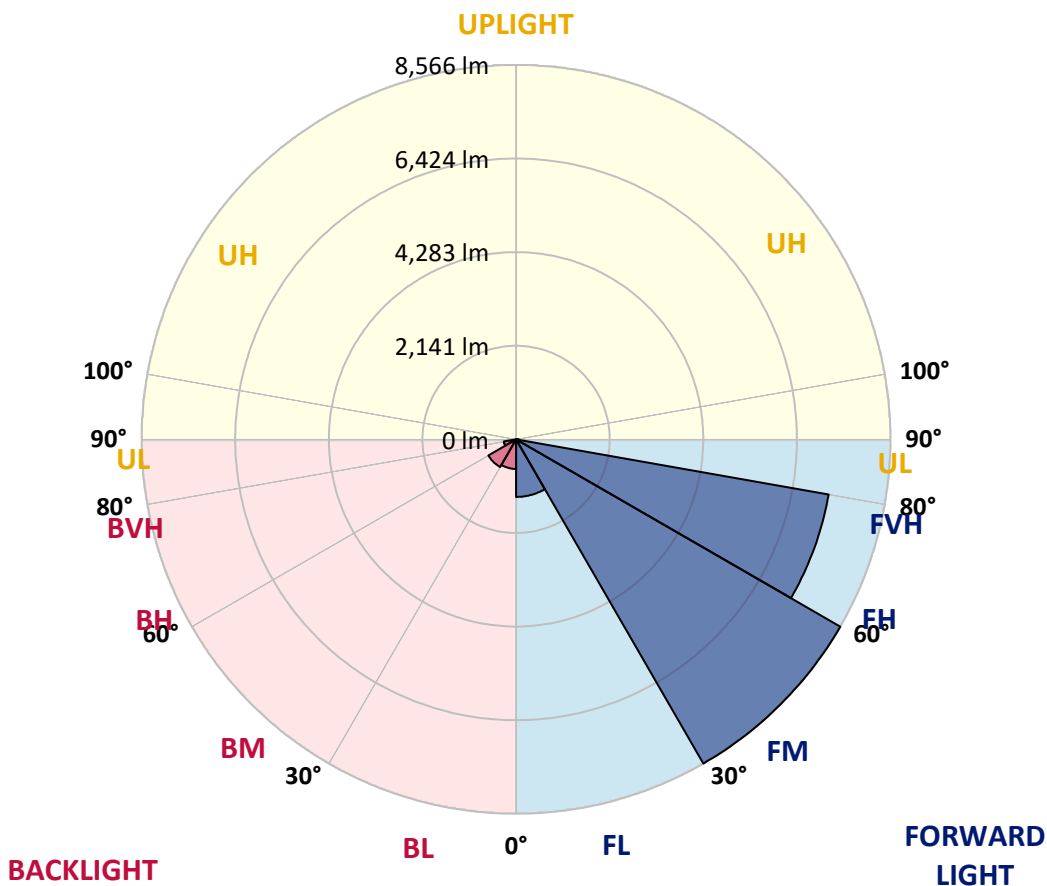
CATALOG NUMBER: GWS-SA4D-735-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1317.5	7.0			
FM (30°-60°)	8565.7	45.3			
FH (60°-80°)	7262.6	38.4			G3/7500
FVH (80°-90°)	63.6	0.3			G1/100
BL (0°-30°)	676.4	3.6	B2/1000		
BM (30°-60°)	731.5	3.9	B1/1000		
BH (60°-80°)	283.3	1.5	B1/500		G1/500
BVH (80°-90°)	7.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





REPORT NUMBER: P637732

CATALOG NUMBER: GWS-SA4D-735-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3409.3	3409.3	3409.3	3409.3	3409.3	3409.3	3409.3	3409.3	3409.3	3409.3	3409.3
2.5°	3173.8	3168.6	3172.1	3198.0	3246.5	3269.0	3307.1	3314.0	3345.2	3385.0	3400.6
5°	2967.7	2950.4	2959.1	2995.4	3050.9	3113.2	3184.2	3203.2	3281.1	3369.4	3435.2
7.5°	2779.0	2760.0	2780.7	2837.9	2915.8	2983.3	3088.9	3101.1	3225.7	3381.6	3501.0
10°	2482.9	2488.1	2529.7	2630.1	2749.6	2889.8	3031.8	3049.1	3203.2	3421.4	3606.7
12.5°	2256.1	2244.0	2289.0	2403.3	2571.2	2775.5	2988.5	3011.0	3205.0	3482.0	3741.7
15°	2150.5	2147.0	2166.1	2249.2	2411.9	2652.6	2948.7	2978.1	3227.5	3537.4	3869.8
17.5°	2154.0	2148.8	2147.0	2195.5	2316.7	2560.8	2905.4	2943.5	3246.5	3598.0	4004.9
20°	2304.6	2280.3	2237.1	2214.6	2287.3	2502.0	2876.0	2919.3	3274.2	3662.1	4148.6
22.5°	2619.7	2628.4	2512.4	2391.2	2356.5	2508.9	2872.5	2922.7	3334.8	3762.5	4325.2
25°	3250.0	3236.1	3021.4	2749.6	2560.8	2588.5	2933.1	2993.7	3454.3	3906.2	4491.4
27.5°	4039.5	4051.6	3757.3	3324.4	2929.6	2753.0	3043.9	3104.5	3592.8	3996.2	4602.3
30°	4900.1	4887.9	4572.8	4093.2	3452.6	3026.6	3154.7	3208.4	3662.1	4044.7	4716.5
32.5°	5713.9	5686.2	5374.5	4872.4	4119.2	3457.7	3307.1	3338.3	3753.8	4150.3	4870.6
35°	6408.2	6406.4	6134.6	5599.6	4804.8	3998.0	3568.6	3594.5	3925.2	4318.3	5097.5
37.5°	7125.0	7100.8	6796.0	6307.7	5509.5	4590.1	3968.5	3958.1	4195.4	4565.9	5376.2
40°	7713.7	7698.1	7464.4	6995.1	6242.0	5244.6	4453.3	4422.2	4515.7	4908.7	5764.1
42.5°	8150.0	8151.8	8079.0	7793.4	7017.7	6001.3	5062.8	5014.3	5012.6	5426.4	6276.6
45°	8480.7	8503.3	8612.3	8569.1	7933.6	6882.6	5843.7	5793.5	5708.7	6098.2	6863.6
47.5°	8634.8	8664.3	8993.3	9166.4	8735.3	7757.0	6773.5	6667.9	6501.7	6991.7	7519.8
50°	8619.3	8671.2	9130.0	9656.4	9462.5	8643.5	7786.4	7736.2	7464.4	7937.1	8169.1
52.5°	8266.0	8376.9	9138.7	9954.2	10021.8	9460.8	8834.0	8740.5	8608.9	8924.0	8778.6
55°	7306.8	7441.9	8773.4	10049.5	10458.1	10174.1	9859.0	9782.8	9564.6	9855.5	9310.1
57.5°	6785.6	6901.6	8004.6	10002.7	10828.6	10833.8	10771.5	10709.1	10529.1	10776.7	9933.4
60°	6472.2	6588.2	7594.2	9831.3	11164.5	11529.9	11628.6	11621.6	11361.9	11824.2	10664.1
62.5°	6013.4	6172.7	7166.6	9386.3	11403.5	12215.5	12513.3	12466.6	12177.4	12915.0	11387.9
65°	5087.1	5225.6	6290.4	8652.2	11263.2	12783.5	13472.6	13496.8	13162.6	13941.8	11959.3
67.5°	3566.8	3669.0	4726.9	7111.2	10310.9	12970.4	14454.3	14452.6	13882.9	14468.2	11706.5
70°	2067.4	2207.6	2792.9	4396.2	8021.9	12120.3	14601.5	14651.7	13590.3	13368.7	9687.6
72.5°	799.9	915.9	1582.6	2335.8	4183.2	9284.1	12560.1	12707.3	11374.0	10312.6	6742.3
75°	238.9	266.6	744.5	1243.2	1679.5	4484.5	8503.3	8544.8	7802.0	6432.4	3456.0
77.5°	178.3	197.4	325.5	628.5	588.7	1359.2	4399.7	4804.8	4141.7	2297.7	952.3
80°	121.2	143.7	232.0	306.5	218.2	361.9	1236.3	1357.5	1264.0	516.0	238.9
82.5°	53.7	69.3	164.5	154.1	79.6	103.9	380.9	405.2	261.5	155.8	83.1
85°	5.2	6.9	62.3	67.5	29.4	24.2	79.6	79.6	57.1	53.7	34.6
87.5°	0.0	0.0	1.7	3.5	3.5	5.2	6.9	8.7	10.4	13.9	17.3
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: P637732

CATALOG NUMBER: GWS-SA4D-735-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3409.3	3409.3	3409.3	3409.3	3409.3	3409.3	3409.3	3409.3	3409.3	3409.3	3409.3
2.5°	3440.4	3419.7	3445.6	3466.4	3471.6	3433.5	3411.0	3378.1	3371.2	3372.9	3364.2
5°	3487.2	3476.8	3495.8	3473.3	3414.5	3303.6	3208.4	3102.8	3045.7	3012.8	3009.3
7.5°	3573.8	3568.6	3547.8	3445.6	3262.1	3016.2	2779.0	2547.0	2403.3	2351.3	2342.7
10°	3701.9	3691.5	3606.7	3364.2	2972.9	2500.2	2102.0	1769.6	1567.0	1508.1	1435.4
12.5°	3849.1	3828.3	3643.0	3189.4	2536.6	1882.1	1385.2	1012.9	838.0	786.1	786.1
15°	3991.0	3946.0	3622.2	2900.2	1999.8	1224.2	774.0	585.2	531.6	517.7	517.7
17.5°	4136.5	4049.9	3540.9	2505.4	1381.7	723.8	516.0	479.6	472.7	474.4	476.2
20°	4273.3	4138.2	3397.1	2031.0	881.3	505.6	462.3	453.6	450.2	453.6	451.9
22.5°	4422.2	4219.6	3179.0	1513.3	573.1	455.4	439.8	432.9	429.4	434.6	434.6
25°	4569.4	4278.5	2889.8	1018.1	455.4	424.2	415.6	408.6	405.2	406.9	406.9
27.5°	4645.5	4256.0	2510.6	649.3	408.6	393.0	384.4	375.7	370.5	368.8	370.5
30°	4697.5	4186.7	2046.6	462.3	370.5	351.5	342.8	335.9	322.1	313.4	316.9
32.5°	4778.9	4117.4	1542.7	387.8	339.4	309.9	296.1	278.8	259.7	251.1	251.1
35°	4875.8	4022.2	1082.2	349.8	306.5	275.3	249.3	219.9	197.4	190.5	190.5
37.5°	5004.0	3932.2	720.3	323.8	278.8	245.9	209.5	174.9	150.6	147.2	145.4
40°	5196.1	3856.0	507.3	304.7	254.5	214.7	171.4	135.1	117.7	112.5	112.5
42.5°	5445.5	3778.1	401.7	285.7	233.7	185.3	136.8	107.4	93.5	90.0	88.3
45°	5753.7	3686.3	349.8	268.4	213.0	154.1	109.1	90.0	79.6	76.2	76.2
47.5°	6087.9	3561.6	325.5	245.9	188.7	124.7	91.8	77.9	72.7	71.0	69.3
50°	6416.8	3393.7	304.7	225.1	161.0	102.2	79.6	71.0	67.5	65.8	65.8
52.5°	6704.3	3198.0	278.8	200.9	131.6	88.3	71.0	65.8	62.3	58.9	57.1
55°	6950.1	2985.1	245.9	173.1	107.4	77.9	65.8	60.6	57.1	53.7	51.9
57.5°	7267.0	2863.9	197.4	140.2	88.3	69.3	60.6	55.4	51.9	46.7	46.7
60°	7618.5	2775.5	147.2	110.8	76.2	64.1	55.4	50.2	46.7	41.6	41.6
62.5°	7900.7	2644.0	116.0	90.0	65.8	57.1	50.2	45.0	41.6	36.4	36.4
65°	8008.1	2372.1	95.2	71.0	53.7	50.2	45.0	41.6	36.4	31.2	31.2
67.5°	7523.2	1828.4	79.6	57.1	45.0	43.3	39.8	38.1	31.2	27.7	26.0
70°	5958.0	1115.1	65.8	46.7	38.1	36.4	36.4	32.9	27.7	26.0	24.2
72.5°	4082.8	574.8	53.7	38.1	32.9	32.9	31.2	29.4	26.0	24.2	24.2
75°	2121.1	192.2	41.6	29.4	26.0	27.7	27.7	26.0	24.2	24.2	22.5
77.5°	607.7	86.6	31.2	22.5	20.8	20.8	22.5	22.5	22.5	20.8	20.8
80°	157.6	50.2	22.5	17.3	17.3	17.3	17.3	19.0	20.8	19.0	19.0
82.5°	64.1	27.7	15.6	13.9	13.9	13.9	13.9	15.6	17.3	17.3	17.3
85°	39.8	13.9	12.1	12.1	12.1	10.4	10.4	12.1	12.1	13.9	13.9
87.5°	24.2	10.4	10.4	10.4	10.4	8.7	8.7	8.7	8.7	8.7	8.7
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)