

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: P635560

Luminaire Tested: GWS-SA3E-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635560
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-SA3E-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13119.8 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

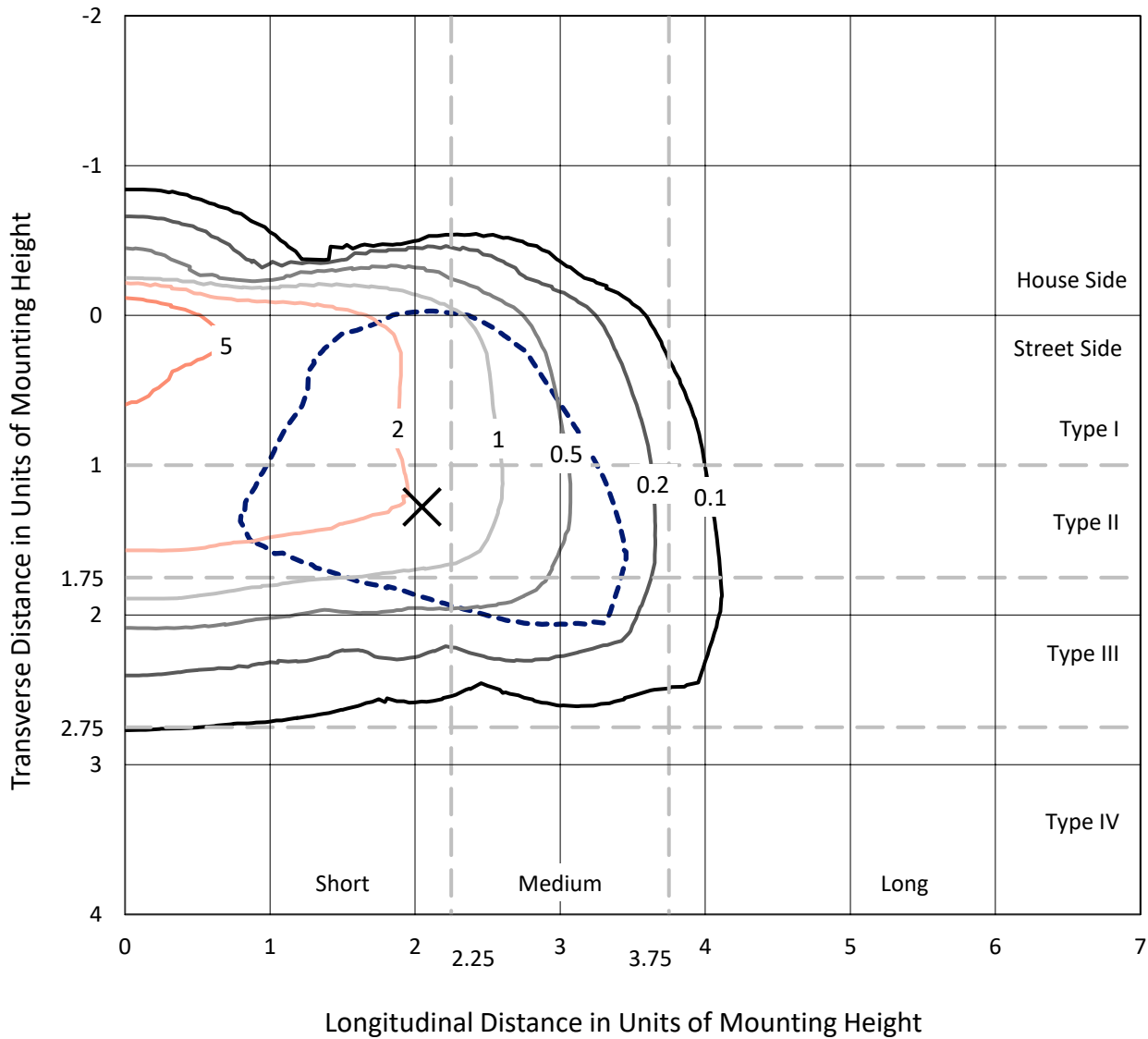
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

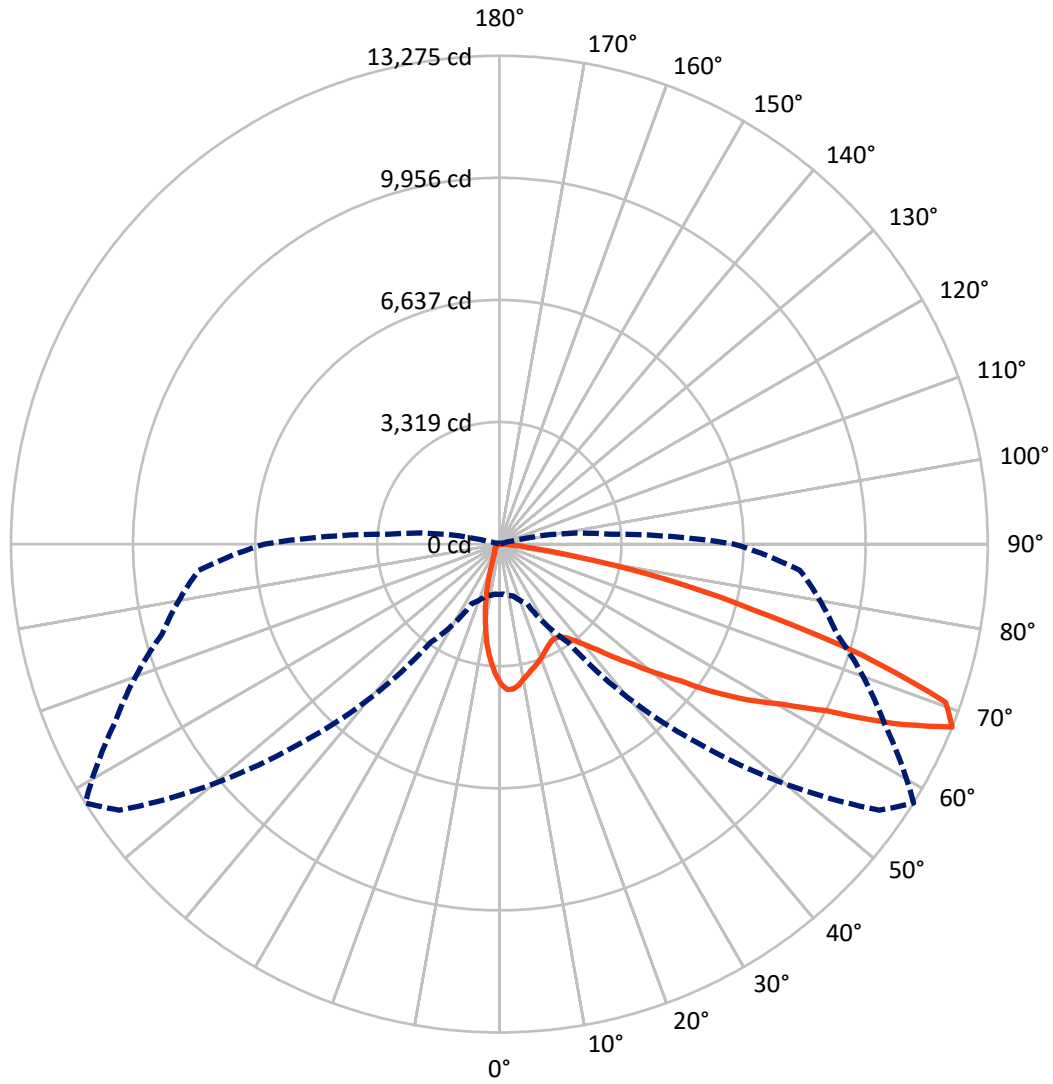
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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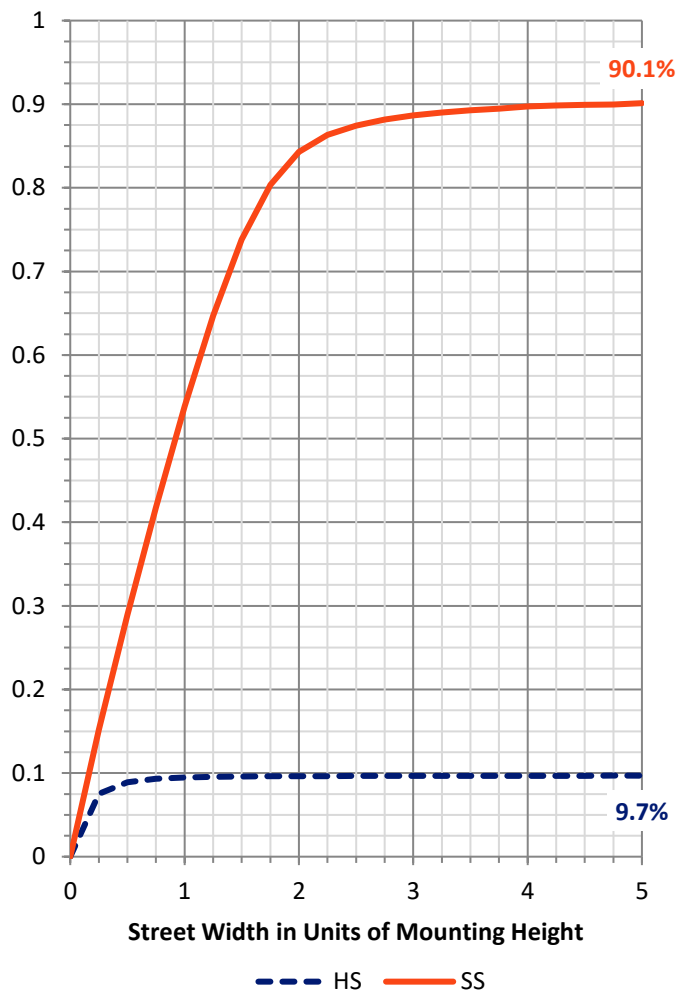
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1281.7	0.0	1281.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	11838.1	0.0	11838.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	13119.8	0.0	13119.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.5	2.3
10°-20°	640.1	4.9
20°-30°	863.3	6.6
30°-40°	1213.1	9.2
40°-50°	1873.5	14.3
50°-60°	2995.9	22.8
60°-70°	3547.4	27.0
70°-80°	1569.3	12.0
80°-90°	109.7	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°	13119.8	100.0
0°-180°	13119.8	100.0

Coefficient of Utilization



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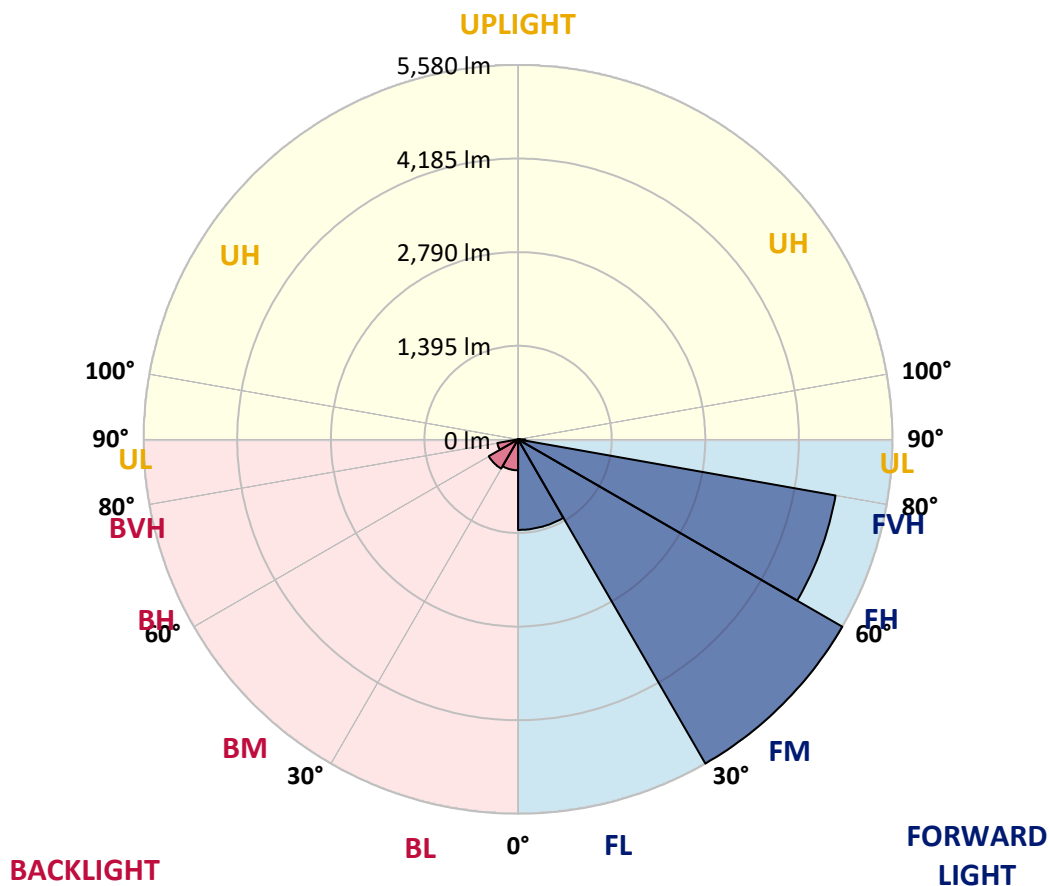
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1349.7	10.3			
FM (30°-60°)	5579.6	42.5			
FH (60°-80°)	4803.8	36.6			G2/5000
FVH (80°-90°)	105.0	0.8			G2/225
BL (0°-30°)	461.2	3.5	B1/500		
BM (30°-60°)	502.9	3.8	B1/1000		
BH (60°-80°)	312.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3784.4	3784.4	3784.4	3784.4	3784.4	3784.4	3784.4	3784.4	3784.4	3784.4	3784.4
2.5°	3980.6	3987.6	3996.9	4008.5	4006.2	3995.7	3982.9	3953.9	3935.3	3877.3	3806.4
5°	3852.9	3851.7	3874.9	3897.0	3936.5	3957.4	3986.4	3959.7	3950.4	3880.7	3765.8
7.5°	3603.2	3616.0	3642.7	3677.5	3734.4	3796.0	3865.7	3857.5	3885.4	3838.9	3696.1
10°	3358.2	3351.2	3393.0	3445.3	3532.4	3611.3	3712.4	3711.2	3784.4	3779.7	3617.2
12.5°	3143.4	3142.2	3174.7	3234.0	3336.1	3446.5	3583.5	3587.0	3677.5	3714.7	3549.8
15°	2962.2	2964.6	2995.9	3057.5	3163.1	3297.8	3456.9	3485.9	3588.1	3663.6	3483.6
17.5°	2833.3	2834.5	2853.1	2906.5	3009.8	3153.8	3345.4	3384.9	3516.1	3625.3	3430.2
20°	2774.1	2769.5	2773.0	2799.7	2879.8	3011.0	3231.6	3282.7	3449.9	3598.6	3381.4
22.5°	2782.2	2775.3	2759.0	2755.5	2791.5	2891.4	3110.9	3173.6	3377.9	3582.3	3337.3
25°	2854.2	2839.1	2815.9	2781.1	2767.2	2817.1	3005.2	3070.2	3310.6	3583.5	3303.6
27.5°	2964.6	2948.3	2919.3	2872.8	2818.2	2797.3	2933.2	2994.7	3263.0	3610.2	3287.4
30°	3105.1	3092.3	3064.4	3008.7	2935.5	2849.6	2918.1	2969.2	3239.8	3664.8	3294.3
32.5°	3271.1	3261.8	3238.6	3187.5	3103.9	2972.7	2969.2	3008.7	3258.3	3743.7	3321.0
35°	3431.4	3434.8	3436.0	3408.1	3318.7	3159.6	3109.7	3123.6	3335.0	3862.2	3381.4
37.5°	3604.4	3596.3	3638.1	3657.8	3571.9	3402.3	3326.9	3328.0	3481.3	4037.5	3495.2
40°	3735.6	3737.9	3828.5	3909.8	3873.8	3710.0	3602.1	3600.9	3706.6	4277.9	3678.7
42.5°	3858.7	3873.8	4007.3	4146.7	4196.6	4051.4	3973.6	3944.6	4022.4	4603.0	3953.9
45°	3989.9	4012.0	4198.9	4397.5	4528.7	4442.8	4381.2	4392.8	4402.1	4981.6	4324.3
47.5°	4143.2	4157.1	4388.2	4668.0	4913.1	4891.0	4894.5	4880.5	4875.9	5458.8	4814.4
50°	4329.0	4361.5	4627.4	4961.8	5296.3	5442.6	5491.3	5497.1	5421.7	5979.0	5321.8
52.5°	4723.8	4763.3	4990.9	5283.5	5714.3	6022.0	6220.6	6181.1	6065.0	6483.0	5878.0
55°	5189.4	5219.6	5439.1	5742.2	6225.2	6657.2	7128.6	7112.4	6827.9	7013.7	6335.5
57.5°	5233.5	5267.2	5607.5	6071.9	6881.3	7442.2	7938.0	7990.2	7573.4	7389.9	6744.3
60°	4737.7	4806.2	5270.7	5895.4	7132.1	8497.7	8825.2	8835.6	8120.3	7771.9	7243.6
62.5°	3797.1	3829.7	4297.6	5112.8	6745.4	9113.1	10180.3	9959.7	8822.8	8363.0	8034.4
65°	1990.3	2122.7	2530.3	3432.5	5470.4	8898.3	11810.6	11750.2	10086.2	9209.5	8649.8
67.5°	1365.6	1364.4	1460.8	1789.4	3261.8	7661.6	12610.7	13274.9	11547.0	9499.8	8203.9
70°	1039.3	1042.8	1128.7	1342.4	1689.6	5100.0	11732.8	12868.5	11818.7	8625.4	6635.1
72.5°	689.8	696.7	839.6	1084.6	1349.3	2500.1	9117.8	10296.4	9944.6	6927.7	4670.4
75°	412.2	418.0	520.2	788.5	1199.5	1399.3	5793.3	7118.2	6845.3	4774.9	2503.6
77.5°	169.5	174.2	267.1	491.2	877.9	1086.9	3203.8	4657.6	4100.2	1898.6	683.9
80°	70.8	73.2	128.9	343.7	632.9	681.6	1484.0	2188.9	1680.3	408.7	209.0
82.5°	25.5	26.7	47.6	189.3	393.6	513.3	749.0	865.1	473.8	133.5	112.6
85°	1.2	1.2	11.6	63.9	149.8	145.2	428.5	414.6	156.8	55.7	67.3
87.5°	0.0	0.0	1.2	1.2	2.3	5.8	40.6	72.0	33.7	13.9	29.0
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°	3784.4	3784.4	3784.4	3784.4	3784.4	3784.4	3784.4	3784.4	3784.4	3784.4	3784.4
2.5°	3760.0	3698.4	3631.1	3568.4	3468.5	3409.3	3336.1	3303.6	3257.2	3245.6	3252.5
5°	3683.3	3577.7	3416.3	3270.0	3080.7	2928.6	2775.3	2710.3	2626.6	2570.9	2547.7
7.5°	3575.3	3437.2	3185.2	2919.3	2659.2	2381.6	2170.3	2030.9	1904.4	1834.7	1820.8
10°	3466.2	3286.2	2925.1	2544.2	2141.3	1809.2	1523.5	1312.2	1140.3	1062.5	1002.1
12.5°	3353.6	3129.4	2660.3	2163.3	1695.4	1242.5	889.5	683.9	560.9	512.1	520.2
15°	3250.2	2978.5	2397.9	1782.4	1193.7	750.1	491.2	414.6	385.5	376.2	375.1
17.5°	3151.5	2835.7	2136.6	1412.0	787.3	459.8	376.2	357.7	349.5	344.9	344.9
20°	3062.1	2698.6	1881.2	1063.7	508.6	364.6	340.2	330.9	324.0	320.5	320.5
22.5°	2978.5	2566.3	1631.5	752.5	375.1	327.5	312.4	303.1	294.9	290.3	290.3
25°	2903.0	2446.7	1393.4	517.9	322.8	299.6	283.3	272.9	258.9	250.8	250.8
27.5°	2848.4	2339.8	1164.7	377.4	291.5	269.4	250.8	236.9	221.8	212.5	210.2
30°	2815.9	2249.3	933.6	310.0	262.4	240.4	219.5	202.0	184.6	175.3	174.2
32.5°	2797.3	2165.6	722.3	270.6	238.0	212.5	189.3	170.7	153.3	142.8	141.7
35°	2804.3	2100.6	541.1	243.9	214.8	188.1	162.6	144.0	128.9	119.6	117.3
37.5°	2864.7	2071.6	406.4	223.0	195.1	167.2	140.5	123.1	109.2	102.2	101.0
40°	2982.0	2077.4	319.3	206.7	178.8	146.3	120.8	104.5	94.1	88.3	87.1
42.5°	3164.3	2126.2	263.6	192.8	161.4	127.7	104.5	91.7	81.3	75.5	74.3
45°	3436.0	2227.2	229.9	176.5	142.8	110.3	90.6	79.0	69.7	62.7	61.5
47.5°	3829.7	2402.5	207.9	161.4	126.6	95.2	77.8	66.2	58.1	52.3	51.1
50°	4248.8	2612.7	189.3	146.3	112.6	82.4	66.2	54.6	47.6	41.8	40.6
52.5°	4695.9	2839.1	175.3	132.4	99.9	70.8	55.7	45.3	38.3	32.5	31.4
55°	5125.6	3066.7	159.1	123.1	84.8	60.4	46.4	37.2	30.2	25.5	25.5
57.5°	5543.6	3275.8	141.7	108.0	69.7	51.1	38.3	30.2	24.4	20.9	19.7
60°	6042.9	3564.9	121.9	91.7	58.1	43.0	31.4	24.4	19.7	16.3	16.3
62.5°	6784.9	3865.7	104.5	76.6	48.8	36.0	25.5	19.7	16.3	13.9	12.8
65°	7027.6	3703.1	88.3	62.7	39.5	29.0	20.9	17.4	13.9	12.8	11.6
67.5°	6379.7	3035.4	73.2	51.1	32.5	24.4	18.6	15.1	12.8	11.6	10.5
70°	4978.1	2154.0	56.9	38.3	26.7	19.7	16.3	13.9	11.6	10.5	10.5
72.5°	3386.1	1273.8	45.3	29.0	22.1	17.4	13.9	12.8	11.6	10.5	9.3
75°	1667.5	452.9	34.8	22.1	17.4	15.1	12.8	11.6	10.5	9.3	9.3
77.5°	449.4	125.4	26.7	17.4	13.9	11.6	11.6	11.6	10.5	8.1	8.1
80°	152.1	52.3	19.7	12.8	11.6	9.3	8.1	10.5	9.3	8.1	7.0
82.5°	83.6	25.5	13.9	10.5	8.1	7.0	7.0	7.0	7.0	5.8	5.8
85°	53.4	13.9	9.3	8.1	8.1	5.8	4.6	4.6	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)