

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: P636000

Luminaire Tested: GWS-SA3E-830-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636000
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14149.2 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

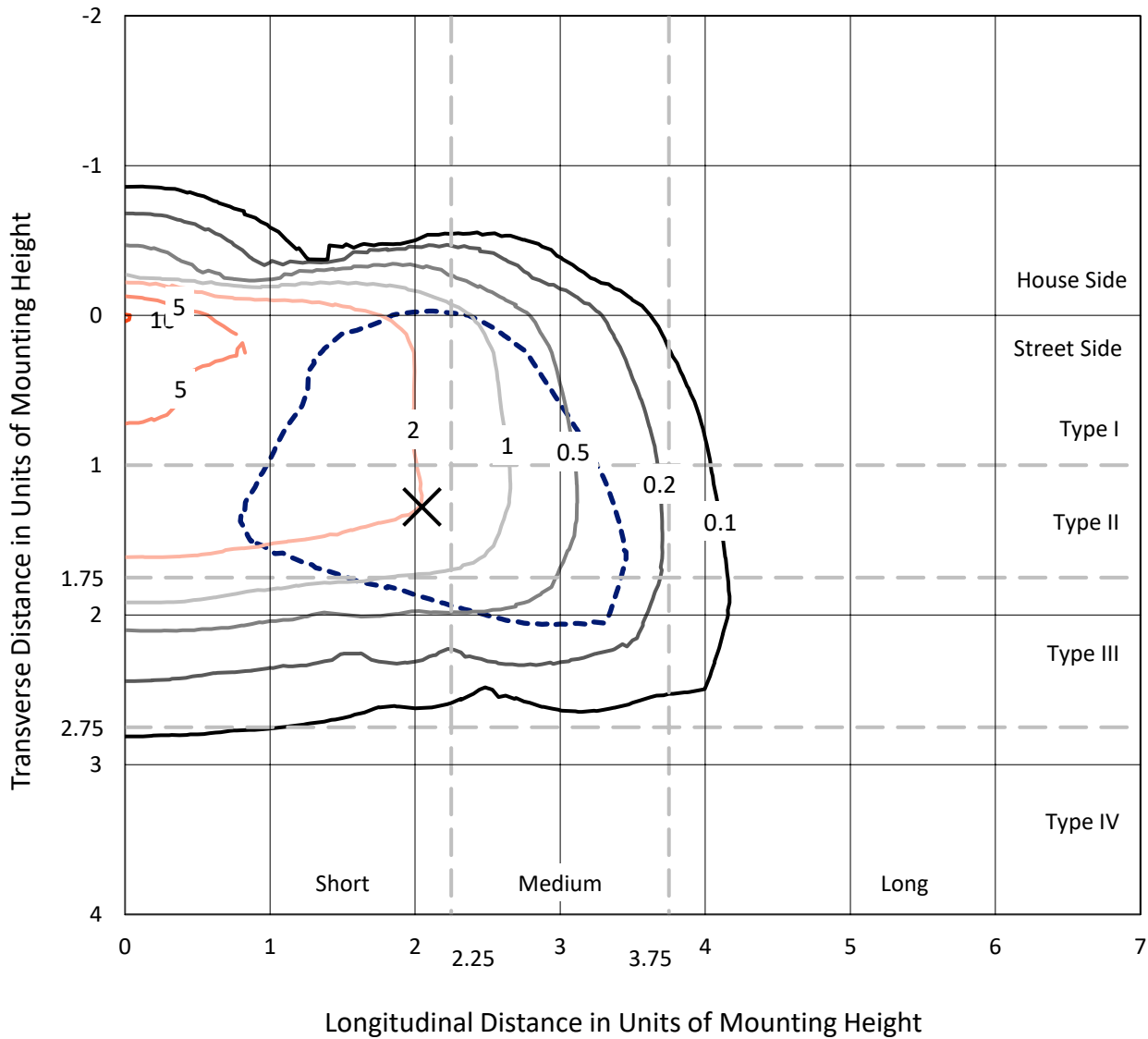
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

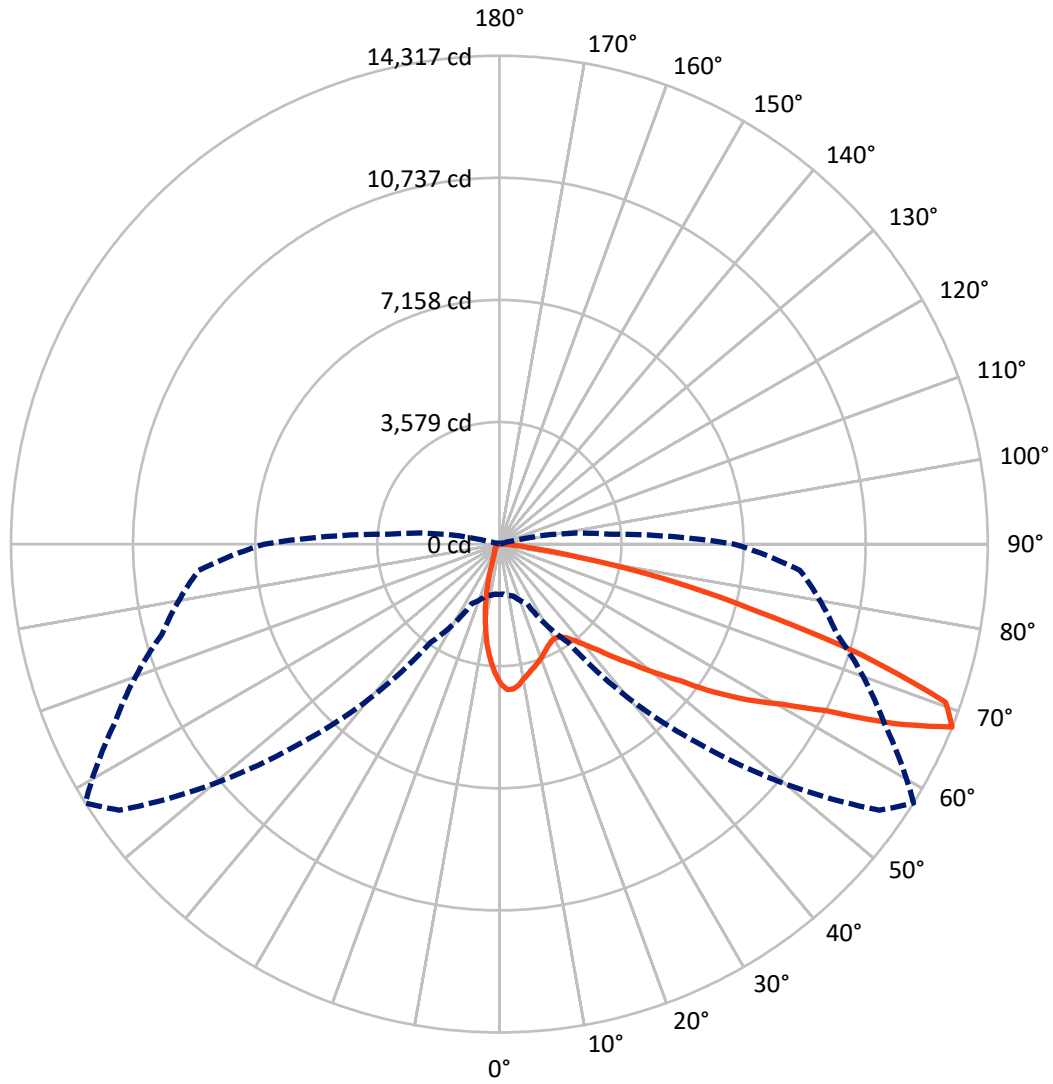
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.2 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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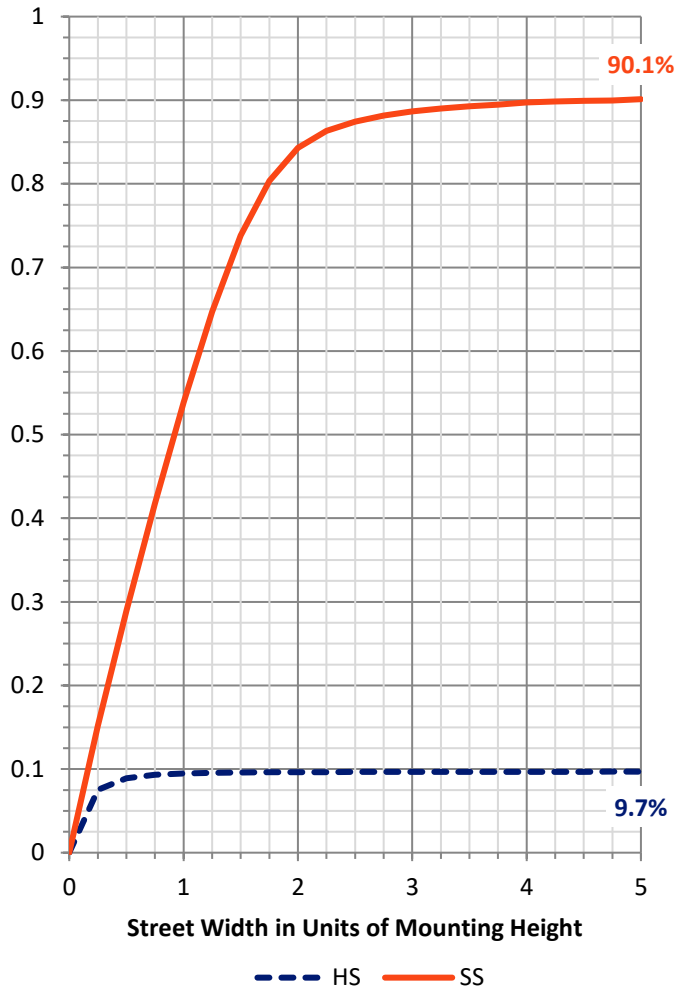
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1382.3	0.0	1382.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	12766.9	0.0	12766.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	14149.2	0.0	14149.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.6	2.3
10°-20°	690.4	4.9
20°-30°	931.0	6.6
30°-40°	1308.2	9.2
40°-50°	2020.5	14.3
50°-60°	3231.0	22.8
60°-70°	3825.7	27.0
70°-80°	1692.4	12.0
80°-90°	118.3	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°	14149.2	100.0
0°-180°	14149.2	100.0

Coefficient of Utilization



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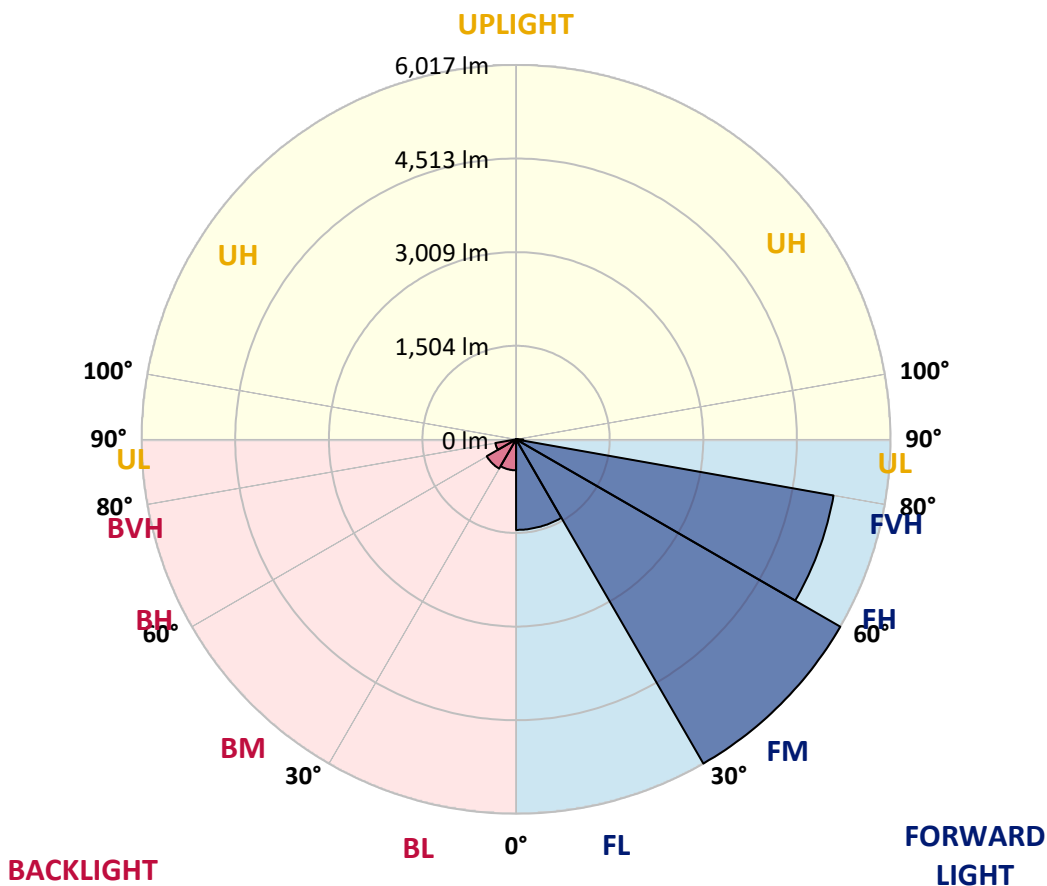
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1455.6	10.3			
FM (30°-60°)	6017.3	42.5			
FH (60°-80°)	5180.7	36.6			G3/7500
FVH (80°-90°)	113.3	0.8			G2/225
BL (0°-30°)	497.4	3.5	B1/500		
BM (30°-60°)	542.4	3.8	B1/1000		
BH (60°-80°)	337.5	2.4	B1/500		G1/500
BVH (80°-90°)	5.0	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4081.3	4081.3	4081.3	4081.3	4081.3	4081.3	4081.3	4081.3	4081.3	4081.3	4081.3
2.5°	4292.9	4300.4	4310.5	4323.0	4320.5	4309.2	4295.4	4264.1	4244.1	4181.5	4105.1
5°	4155.2	4153.9	4179.0	4202.8	4245.3	4267.9	4299.2	4270.4	4260.4	4185.2	4061.3
7.5°	3885.9	3899.7	3928.5	3966.1	4027.4	4093.8	4169.0	4160.2	4190.2	4140.2	3986.1
10°	3621.7	3614.2	3659.3	3715.6	3809.5	3894.7	4003.6	4002.4	4081.3	4076.3	3901.0
12.5°	3390.0	3388.8	3423.8	3487.7	3597.9	3716.9	3864.6	3868.4	3966.1	4006.2	3828.3
15°	3194.7	3197.2	3231.0	3297.3	3411.3	3556.6	3728.1	3759.4	3869.7	3951.1	3756.9
17.5°	3055.6	3056.9	3076.9	3134.5	3246.0	3401.3	3607.9	3650.5	3792.0	3909.7	3699.3
20°	2991.8	2986.8	2990.5	3019.3	3105.7	3247.3	3485.2	3540.3	3720.6	3880.9	3646.7
22.5°	3000.5	2993.0	2975.5	2971.7	3010.6	3118.3	3355.0	3422.6	3643.0	3863.4	3599.2
25°	3078.2	3061.9	3036.9	2999.3	2984.3	3038.1	3241.0	3311.1	3570.3	3864.6	3562.8
27.5°	3197.2	3179.6	3148.3	3098.2	3039.4	3016.8	3163.3	3229.7	3519.0	3893.4	3545.3
30°	3348.7	3334.9	3304.9	3244.7	3165.9	3073.2	3147.1	3202.2	3494.0	3952.3	3552.8
32.5°	3527.8	3517.8	3492.7	3437.6	3347.4	3205.9	3202.2	3244.7	3514.0	4037.5	3581.6
35°	3700.6	3704.3	3705.6	3675.5	3579.1	3407.5	3353.7	3368.7	3596.6	4165.2	3646.7
37.5°	3887.2	3878.4	3923.5	3944.8	3852.1	3669.3	3587.9	3589.1	3754.4	4354.3	3769.5
40°	4028.7	4031.2	4128.9	4216.5	4177.7	4001.1	3884.7	3883.4	3997.4	4613.5	3967.3
42.5°	4161.4	4177.7	4321.7	4472.0	4525.9	4369.3	4285.4	4254.1	4338.0	4964.2	4264.1
45°	4303.0	4326.7	4528.4	4742.5	4884.0	4791.4	4725.0	4737.5	4747.5	5372.4	4663.6
47.5°	4468.3	4483.3	4732.5	5034.3	5298.5	5274.7	5278.5	5263.5	5258.5	5887.1	5192.1
50°	4668.6	4703.7	4990.5	5351.1	5711.8	5869.6	5922.2	5928.5	5847.1	6448.2	5739.4
52.5°	5094.4	5137.0	5382.4	5698.0	6162.6	6494.5	6708.6	6666.1	6540.8	6991.7	6339.2
55°	5596.6	5629.2	5865.8	6192.7	6713.7	7179.5	7688.0	7670.4	7363.6	7564.0	6832.6
57.5°	5644.2	5680.5	6047.4	6548.4	7421.2	8026.1	8560.8	8617.2	8167.6	7969.7	7273.4
60°	5109.4	5183.3	5684.3	6358.0	7691.7	9164.4	9517.6	9528.9	8757.4	8381.7	7811.9
62.5°	4095.1	4130.1	4634.8	5513.9	7274.7	9828.2	10979.0	10741.1	9515.1	9019.2	8664.8
65°	2146.5	2289.2	2728.8	3701.8	5899.7	9596.5	12737.3	12672.2	10877.6	9932.1	9328.5
67.5°	1472.7	1471.5	1575.4	1929.8	3517.8	8262.8	13600.1	14316.5	12453.0	10245.2	8847.6
70°	1120.8	1124.6	1217.2	1447.7	1822.1	5500.2	12653.4	13878.2	12746.1	9302.2	7155.7
72.5°	743.9	751.4	905.4	1169.7	1455.2	2696.2	9833.2	11104.3	10724.8	7471.3	5036.8
75°	444.6	450.8	561.0	850.3	1293.6	1509.0	6247.8	7676.7	7382.4	5149.5	2700.0
77.5°	182.8	187.8	288.0	529.7	946.7	1172.2	3455.1	5023.0	4421.9	2047.5	737.6
80°	76.4	78.9	139.0	370.7	682.5	735.1	1600.5	2360.6	1812.1	440.8	225.4
82.5°	27.6	28.8	51.3	204.1	424.5	553.5	807.7	933.0	510.9	144.0	121.5
85°	1.3	1.3	12.5	68.9	161.5	156.5	462.1	447.1	169.1	60.1	72.6
87.5°	0.0	0.0	1.3	1.3	2.5	6.3	43.8	77.6	36.3	15.0	31.3
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°	4081.3	4081.3	4081.3	4081.3	4081.3	4081.3	4081.3	4081.3	4081.3	4081.3	4081.3
2.5°	4055.0	3988.6	3916.0	3848.4	3740.7	3676.8	3597.9	3562.8	3512.7	3500.2	3507.7
5°	3972.3	3858.4	3684.3	3526.5	3322.4	3158.3	2993.0	2922.9	2832.7	2772.6	2747.6
7.5°	3855.9	3706.9	3435.1	3148.3	2867.8	2568.5	2340.6	2190.3	2053.8	1978.7	1963.6
10°	3738.2	3544.1	3154.6	2743.8	2309.3	1951.1	1643.0	1415.1	1229.8	1145.9	1080.7
12.5°	3616.7	3375.0	2869.1	2333.1	1828.4	1340.0	959.3	737.6	604.9	552.3	561.0
15°	3505.2	3212.2	2586.0	1922.3	1287.4	809.0	529.7	447.1	415.8	405.7	404.5
17.5°	3398.8	3058.2	2304.3	1522.8	849.1	495.9	405.7	385.7	376.9	371.9	371.9
20°	3302.4	2910.4	2028.7	1147.1	548.5	393.2	366.9	356.9	349.4	345.6	345.6
22.5°	3212.2	2767.6	1759.5	811.5	404.5	353.2	336.9	326.9	318.1	313.1	313.1
25°	3130.8	2638.6	1502.8	558.5	348.1	323.1	305.6	294.3	279.3	270.5	270.5
27.5°	3071.9	2523.4	1256.1	407.0	314.3	290.5	270.5	255.5	239.2	229.2	226.7
30°	3036.9	2425.7	1006.9	334.4	283.0	259.2	236.7	217.9	199.1	189.1	187.8
32.5°	3016.8	2335.6	778.9	291.8	256.7	229.2	204.1	184.1	165.3	154.0	152.8
35°	3024.3	2265.4	583.6	263.0	231.7	202.9	175.3	155.3	139.0	129.0	126.5
37.5°	3089.5	2234.1	438.3	240.4	210.4	180.3	151.5	132.7	117.7	110.2	109.0
40°	3215.9	2240.4	344.4	222.9	192.9	157.8	130.2	112.7	101.4	95.2	93.9
42.5°	3412.6	2293.0	284.3	207.9	174.1	137.8	112.7	98.9	87.7	81.4	80.1
45°	3705.6	2401.9	248.0	190.4	154.0	119.0	97.7	85.2	75.1	67.6	66.4
47.5°	4130.1	2591.0	224.2	174.1	136.5	102.7	83.9	71.4	62.6	56.4	55.1
50°	4582.2	2817.7	204.1	157.8	121.5	88.9	71.4	58.9	51.3	45.1	43.8
52.5°	5064.4	3061.9	189.1	142.8	107.7	76.4	60.1	48.8	41.3	35.1	33.8
55°	5527.7	3307.4	171.6	132.7	91.4	65.1	50.1	40.1	32.6	27.6	27.6
57.5°	5978.6	3532.8	152.8	116.5	75.1	55.1	41.3	32.6	26.3	22.5	21.3
60°	6517.0	3844.6	131.5	98.9	62.6	46.3	33.8	26.3	21.3	17.5	17.5
62.5°	7317.3	4169.0	112.7	82.7	52.6	38.8	27.6	21.3	17.5	15.0	13.8
65°	7579.0	3993.6	95.2	67.6	42.6	31.3	22.5	18.8	15.0	13.8	12.5
67.5°	6880.2	3273.6	78.9	55.1	35.1	26.3	20.0	16.3	13.8	12.5	11.3
70°	5368.7	2323.0	61.4	41.3	28.8	21.3	17.5	15.0	12.5	11.3	11.3
72.5°	3651.7	1373.8	48.8	31.3	23.8	18.8	15.0	13.8	12.5	11.3	10.0
75°	1798.3	488.4	37.6	23.8	18.8	16.3	13.8	12.5	11.3	10.0	10.0
77.5°	484.6	135.2	28.8	18.8	15.0	12.5	12.5	12.5	11.3	8.8	8.8
80°	164.1	56.4	21.3	13.8	12.5	10.0	8.8	11.3	10.0	8.8	7.5
82.5°	90.2	27.6	15.0	11.3	8.8	7.5	7.5	7.5	7.5	6.3	6.3
85°	57.6	15.0	10.0	8.8	8.8	6.3	5.0	5.0	3.8	3.8	3.8
87.5°	26.3	8.8	8.8	7.5	7.5	6.3	3.8	2.5	1.3	1.3	1.3
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)