

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: P633910

Luminaire Tested: GWS-SA2F-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633910
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13255.9 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

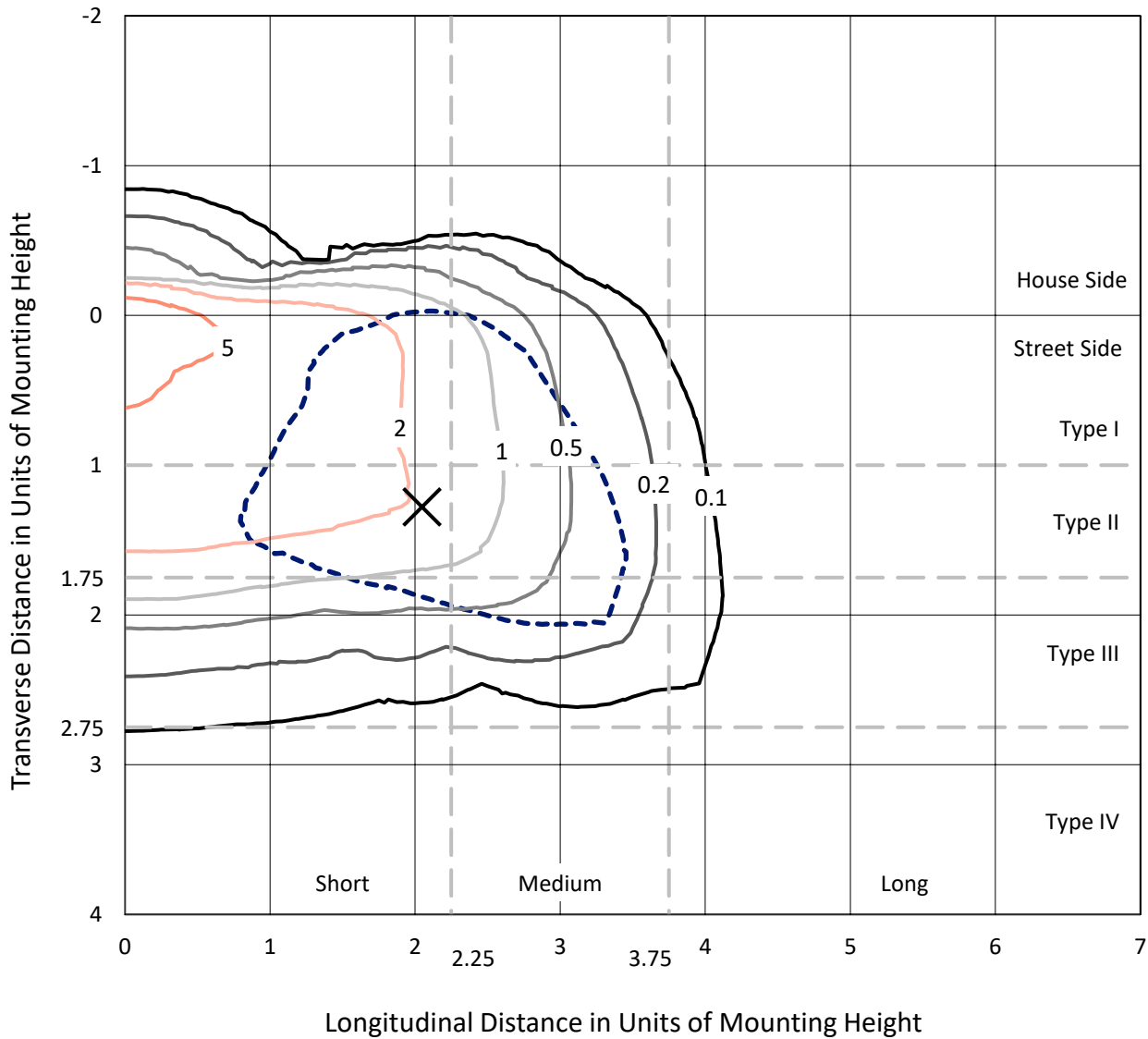
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

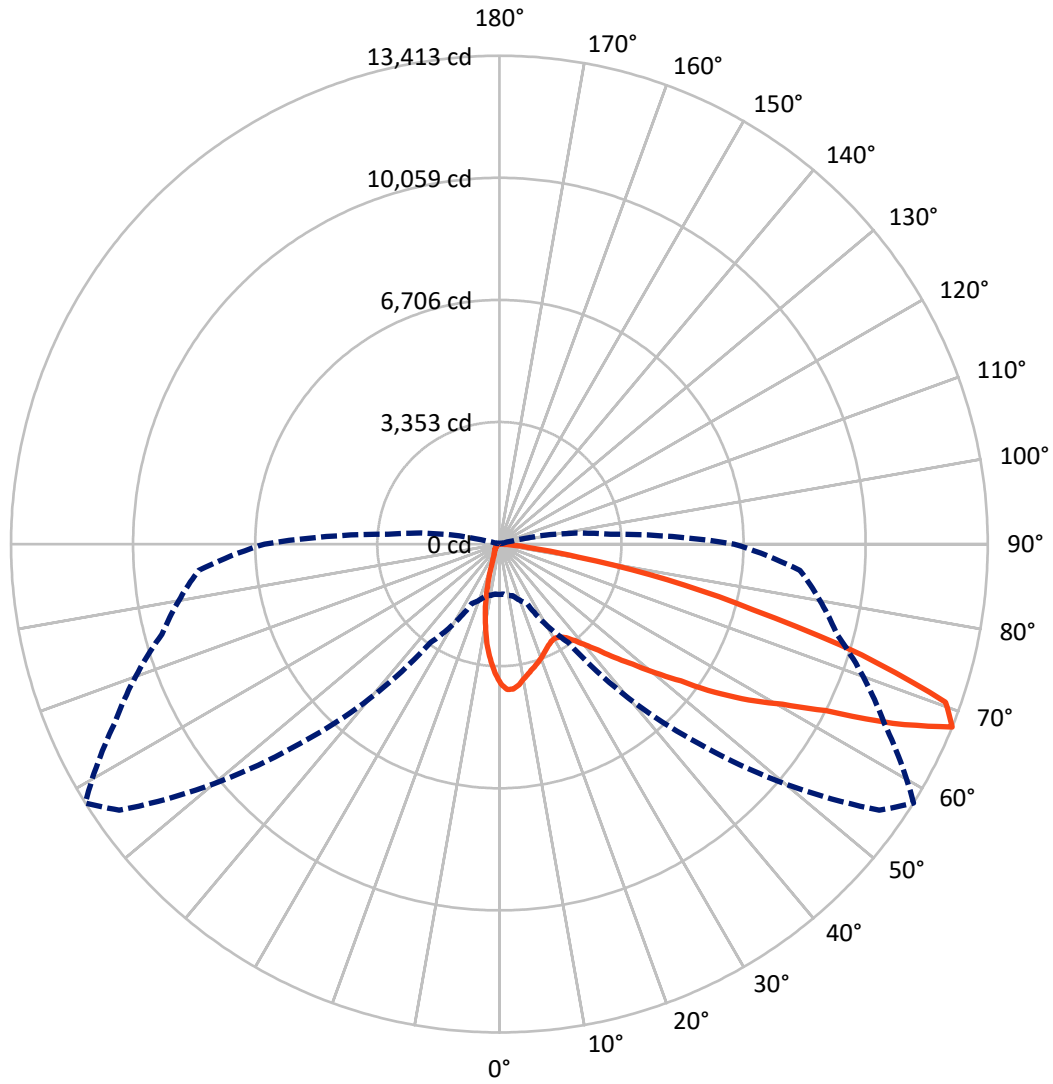
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.6 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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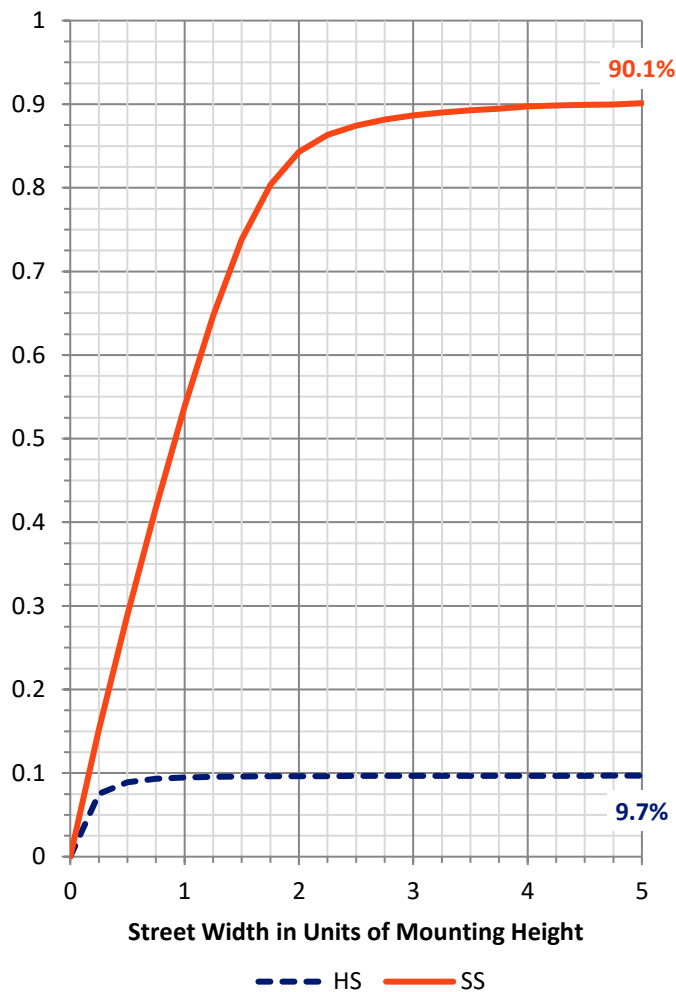
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1295.0	0.0	1295.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	11960.9	0.0	11960.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	13255.9	0.0	13255.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.7	2.3
10°-20°	646.8	4.9
20°-30°	872.2	6.6
30°-40°	1225.7	9.2
40°-50°	1892.9	14.3
50°-60°	3027.0	22.8
60°-70°	3584.2	27.0
70°-80°	1585.6	12.0
80°-90°	110.8	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°	13255.9	100.0
0°-180°	13255.9	100.0

Coefficient of Utilization



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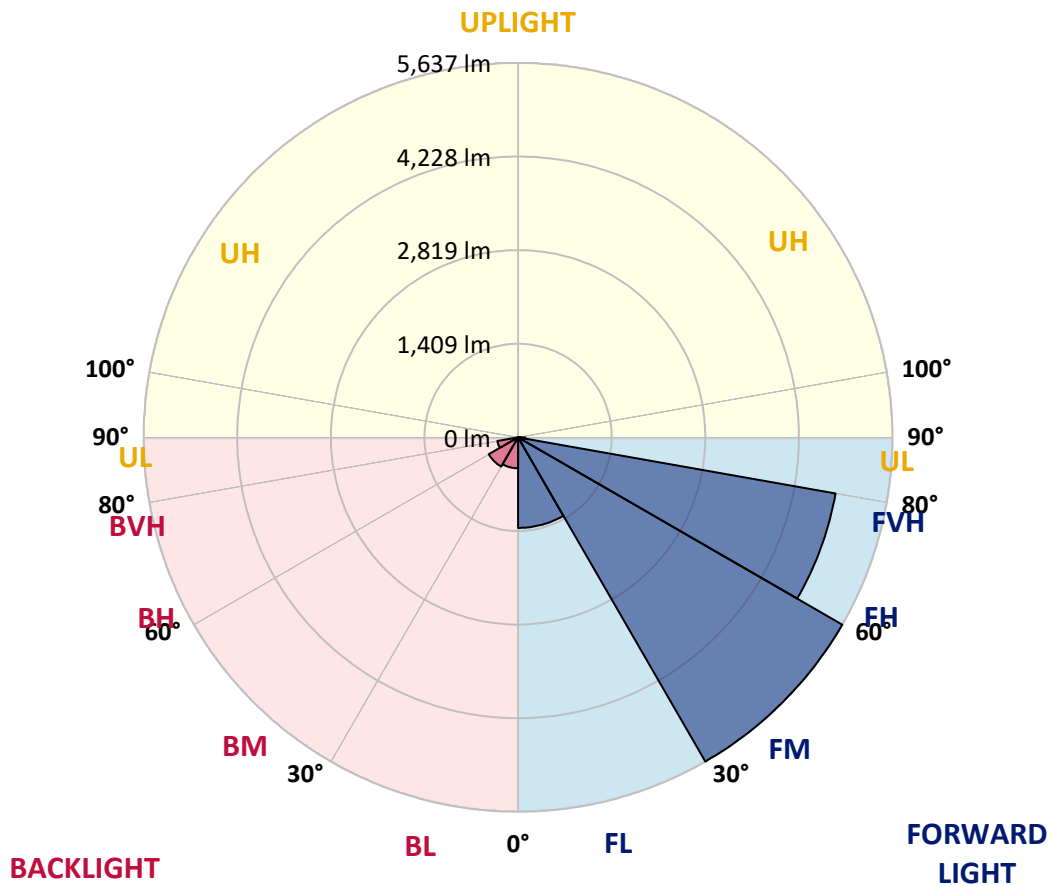
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1363.7	10.3			
FM (30°-60°)	5637.5	42.5			
FH (60°-80°)	4853.6	36.6			G2/5000
FVH (80°-90°)	106.1	0.8			G2/225
BL (0°-30°)	466.0	3.5	B1/500		
BM (30°-60°)	508.1	3.8	B1/1000		
BH (60°-80°)	316.2	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°	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6
2.5°	4021.9	4028.9	4038.3	4050.1	4047.7	4037.2	4024.2	3994.9	3976.1	3917.5	3845.9
5°	3892.8	3891.7	3915.1	3937.4	3977.3	3998.4	4027.8	4000.8	3991.4	3921.0	3804.9
7.5°	3640.6	3653.5	3680.5	3715.7	3773.2	3835.4	3905.8	3897.5	3925.7	3878.8	3734.5
10°	3393.0	3386.0	3428.2	3481.0	3569.0	3648.8	3750.9	3749.7	3823.6	3818.9	3654.7
12.5°	3176.0	3174.8	3207.7	3267.5	3370.7	3482.2	3620.7	3624.2	3715.7	3753.2	3586.6
15°	2993.0	2995.3	3027.0	3089.2	3195.9	3332.0	3492.8	3522.1	3625.3	3701.6	3519.8
17.5°	2862.7	2863.9	2882.7	2936.6	3041.1	3186.5	3380.1	3420.0	3552.6	3662.9	3465.8
20°	2802.9	2798.2	2801.7	2828.7	2909.7	3042.2	3265.2	3316.8	3485.7	3635.9	3416.5
22.5°	2811.1	2804.1	2787.6	2784.1	2820.5	2921.4	3143.1	3206.5	3413.0	3619.5	3371.9
25°	2883.8	2868.6	2845.1	2809.9	2795.9	2846.3	3036.4	3102.1	3344.9	3620.7	3337.9
27.5°	2995.3	2978.9	2949.6	2902.6	2847.5	2826.4	2963.6	3025.8	3296.8	3647.6	3321.5
30°	3137.3	3124.4	3096.2	3039.9	2966.0	2879.2	2948.4	3000.0	3273.4	3702.8	3328.5
32.5°	3305.0	3295.7	3272.2	3220.6	3136.1	3003.5	3000.0	3039.9	3292.1	3782.6	3355.5
35°	3467.0	3470.5	3471.6	3443.5	3353.2	3192.4	3142.0	3156.0	3369.6	3902.2	3416.5
37.5°	3641.8	3633.6	3675.8	3695.7	3608.9	3437.6	3361.4	3362.5	3517.4	4079.4	3531.5
40°	3774.3	3776.7	3868.2	3950.3	3914.0	3748.5	3639.4	3638.3	3745.0	4322.3	3716.9
42.5°	3898.7	3914.0	4048.9	4189.7	4240.1	4093.5	4014.9	3985.5	4064.1	4650.8	3994.9
45°	4031.3	4053.6	4242.5	4443.1	4575.7	4488.9	4426.7	4438.4	4447.8	5033.2	4369.2
47.5°	4186.2	4200.2	4433.7	4716.5	4964.0	4941.7	4945.3	4931.2	4926.5	5515.5	4864.3
50°	4373.9	4406.7	4675.4	5013.3	5351.2	5499.0	5548.3	5554.2	5477.9	6041.1	5377.0
52.5°	4772.8	4812.7	5042.6	5338.3	5773.6	6084.5	6285.1	6245.2	6127.9	6550.3	5939.0
55°	5243.3	5273.8	5495.5	5801.7	6289.8	6726.2	7202.6	7186.2	6898.7	7086.4	6401.3
57.5°	5287.8	5321.9	5665.6	6134.9	6952.7	7519.4	8020.3	8073.1	7651.9	7466.6	6814.2
60°	4786.9	4856.1	5325.4	5956.6	7206.1	8585.8	8916.7	8927.3	8204.5	7852.6	7318.7
62.5°	3836.5	3869.4	4342.2	5165.8	6815.4	9207.7	10285.9	10063.0	8914.4	8449.8	8117.7
65°	2011.0	2144.7	2556.5	3468.1	5527.2	8990.6	11933.1	11872.1	10190.9	9305.1	8739.5
67.5°	1379.7	1378.6	1475.9	1808.0	3295.7	7741.1	12741.5	13412.6	11666.8	9598.4	8289.0
70°	1050.1	1053.6	1140.4	1356.3	1707.1	5152.9	11854.5	13002.0	11941.3	8714.9	6704.0
72.5°	696.9	704.0	848.3	1095.8	1363.3	2526.0	9212.4	10403.2	10047.7	6999.6	4718.8
75°	416.5	422.4	525.6	796.6	1212.0	1413.8	5853.3	7192.0	6916.3	4824.4	2529.5
77.5°	171.3	176.0	269.8	496.3	887.0	1098.2	3237.0	4705.9	4142.7	1918.3	691.0
80°	71.6	73.9	130.2	347.3	639.4	688.7	1499.4	2211.6	1697.7	413.0	211.2
82.5°	25.8	27.0	48.1	191.2	397.7	518.6	756.7	874.1	478.7	134.9	113.8
85°	1.2	1.2	11.7	64.5	151.3	146.7	432.9	418.9	158.4	56.3	68.0
87.5°	0.0	0.0	1.2	1.2	2.3	5.9	41.1	72.7	34.0	14.1	29.3
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°	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6	3823.6
2.5°	3799.0	3736.8	3668.8	3605.4	3504.5	3444.7	3370.7	3337.9	3291.0	3279.2	3286.3
5°	3721.6	3614.8	3451.7	3303.9	3112.6	2958.9	2804.1	2738.4	2653.9	2597.6	2574.1
7.5°	3612.4	3472.8	3218.2	2949.6	2686.7	2406.3	2192.8	2052.0	1924.1	1853.7	1839.7
10°	3502.2	3320.3	2955.4	2570.6	2163.5	1827.9	1539.3	1325.8	1152.1	1073.5	1012.5
12.5°	3388.3	3161.9	2687.9	2185.8	1712.9	1255.4	898.7	691.0	566.7	517.4	525.6
15°	3283.9	3009.4	2422.8	1800.9	1206.1	757.9	496.3	418.9	389.5	380.1	379.0
17.5°	3184.2	2865.1	2158.8	1426.7	795.5	464.6	380.1	361.4	353.1	348.5	348.5
20°	3093.9	2726.6	1900.7	1074.7	513.9	368.4	343.8	334.4	327.3	323.8	323.8
22.5°	3009.4	2592.9	1648.4	760.3	379.0	330.9	315.6	306.2	298.0	293.3	293.3
25°	2933.1	2472.0	1407.9	523.3	326.2	302.7	286.3	275.7	261.6	253.4	253.4
27.5°	2878.0	2364.1	1176.8	381.3	294.5	272.2	253.4	239.3	224.1	214.7	212.4
30°	2845.1	2272.6	943.3	313.3	265.2	242.9	221.7	204.1	186.5	177.2	176.0
32.5°	2826.4	2188.1	729.8	273.4	240.5	214.7	191.2	172.5	154.9	144.3	143.1
35°	2833.4	2122.4	546.7	246.4	217.1	190.1	164.3	145.5	130.2	120.8	118.5
37.5°	2894.4	2093.1	410.6	225.3	197.1	168.9	142.0	124.4	110.3	103.2	102.1
40°	3012.9	2098.9	322.6	208.8	180.7	147.8	122.0	105.6	95.0	89.2	88.0
42.5°	3197.1	2148.2	266.3	194.8	163.1	129.1	105.6	92.7	82.1	76.3	75.1
45°	3471.6	2250.3	232.3	178.3	144.3	111.5	91.5	79.8	70.4	63.4	62.2
47.5°	3869.4	2427.5	210.0	163.1	127.9	96.2	78.6	66.9	58.7	52.8	51.6
50°	4292.9	2639.8	191.2	147.8	113.8	83.3	66.9	55.1	48.1	42.2	41.1
52.5°	4744.6	2868.6	177.2	133.8	100.9	71.6	56.3	45.8	38.7	32.9	31.7
55°	5178.7	3098.6	160.7	124.4	85.6	61.0	46.9	37.5	30.5	25.8	25.8
57.5°	5601.1	3309.7	143.1	109.1	70.4	51.6	38.7	30.5	24.6	21.1	19.9
60°	6105.6	3601.9	123.2	92.7	58.7	43.4	31.7	24.6	19.9	16.4	16.4
62.5°	6855.3	3905.8	105.6	77.4	49.3	36.4	25.8	19.9	16.4	14.1	12.9
65°	7100.5	3741.5	89.2	63.4	39.9	29.3	21.1	17.6	14.1	12.9	11.7
67.5°	6445.8	3066.9	73.9	51.6	32.9	24.6	18.8	15.3	12.9	11.7	10.6
70°	5029.7	2176.4	57.5	38.7	27.0	19.9	16.4	14.1	11.7	10.6	10.6
72.5°	3421.2	1287.1	45.8	29.3	22.3	17.6	14.1	12.9	11.7	10.6	9.4
75°	1684.8	457.6	35.2	22.3	17.6	15.3	12.9	11.7	10.6	9.4	9.4
77.5°	454.0	126.7	27.0	17.6	14.1	11.7	11.7	11.7	10.6	8.2	8.2
80°	153.7	52.8	19.9	12.9	11.7	9.4	8.2	10.6	9.4	8.2	7.0
82.5°	84.5	25.8	14.1	10.6	8.2	7.0	7.0	7.0	7.0	5.9	5.9
85°	54.0	14.1	9.4	8.2	8.2	5.9	4.7	4.7	3.5	3.5	3.5
87.5°	24.6	8.2	8.2	7.0	7.0	5.9	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)