

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: P633855

Luminaire Tested: GWS-SA2F-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633855
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13440.1 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

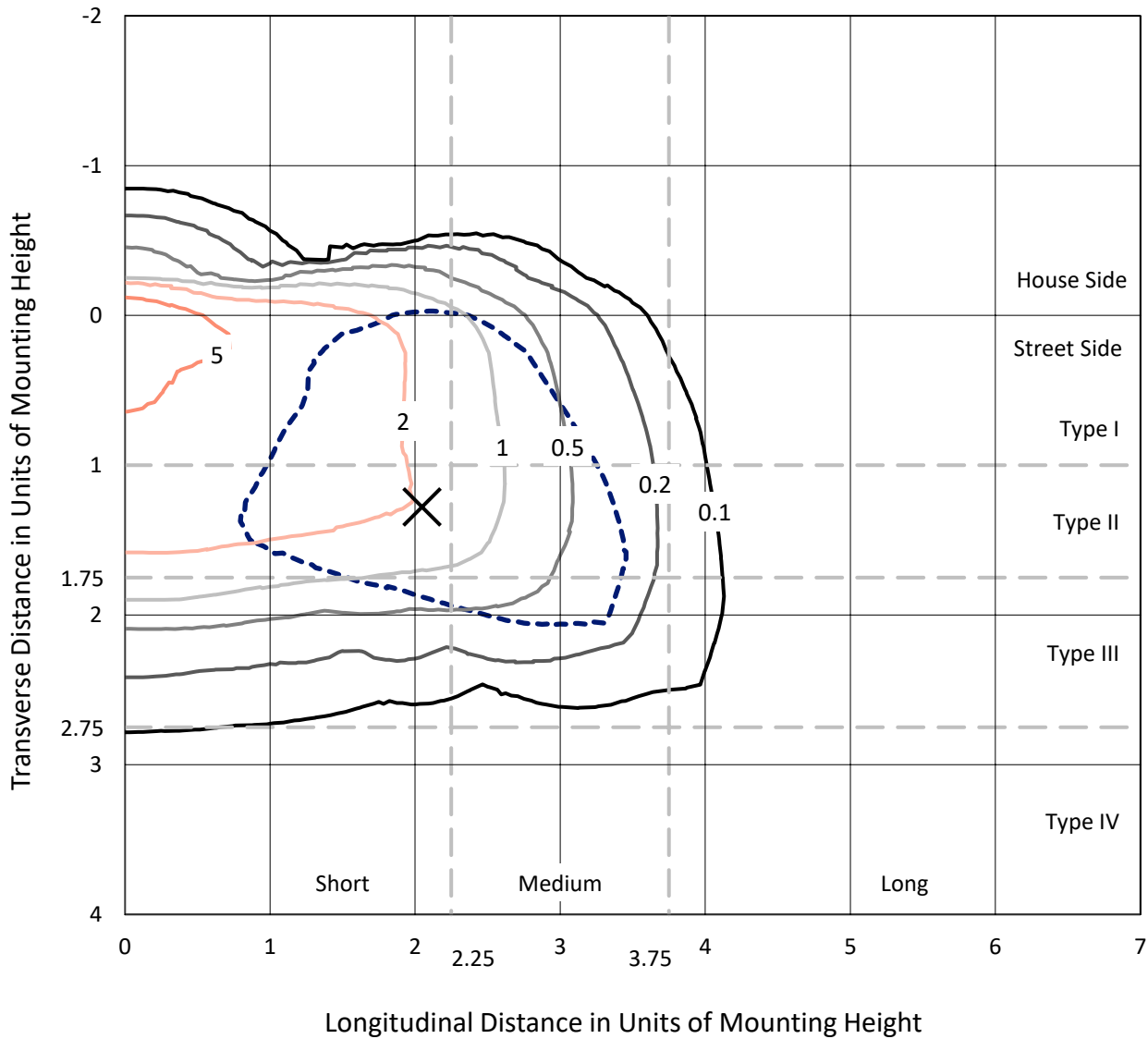
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

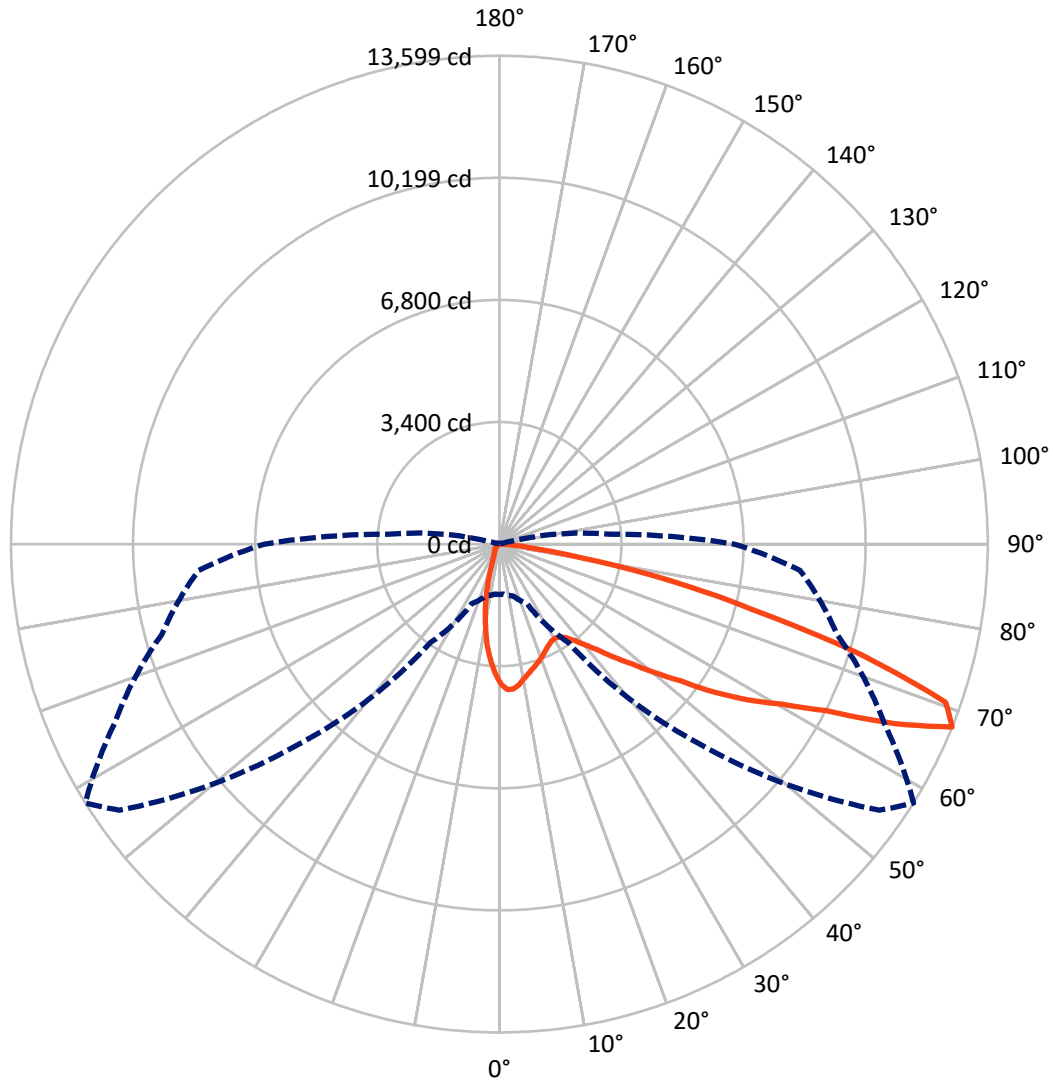
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.7 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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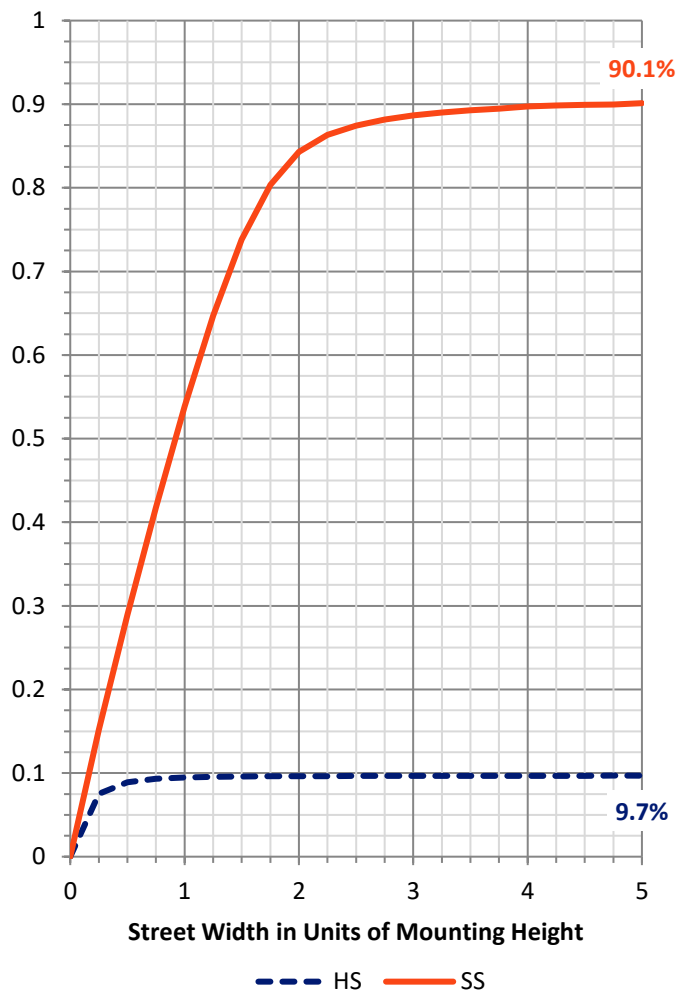
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1313.0	0.0	1313.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	12127.1	0.0	12127.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	13440.1	0.0	13440.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.0	2.3
10°-20°	655.8	4.9
20°-30°	884.3	6.6
30°-40°	1242.7	9.2
40°-50°	1919.2	14.3
50°-60°	3069.1	22.8
60°-70°	3634.0	27.0
70°-80°	1607.6	12.0
80°-90°	112.4	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°	13440.1	100.0
0°-180°	13440.1	100.0

Coefficient of Utilization

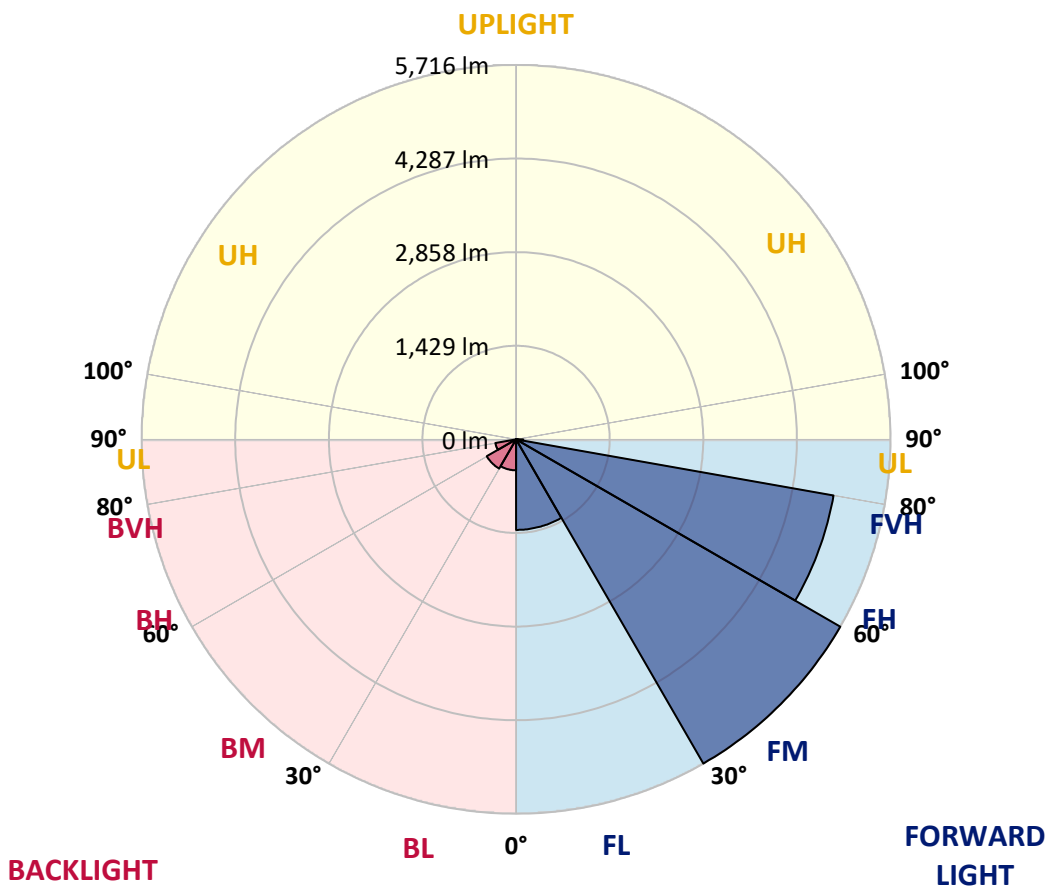


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1382.6	10.3			
FM (30°-60°)	5715.8	42.5			
FH (60°-80°)	4921.0	36.6			G2/5000
FVH (80°-90°)	107.6	0.8			G2/225
BL (0°-30°)	472.5	3.5	B1/500		
BM (30°-60°)	515.2	3.8	B1/1000		
BH (60°-80°)	320.5	2.4	B1/500		G1/500
BVH (80°-90°)	4.8	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°	3876.8	3876.8	3876.8	3876.8	3876.8	3876.8	3876.8	3876.8	3876.8	3876.8	3876.8
2.5°	4077.8	4084.9	4094.4	4106.3	4104.0	4093.3	4080.2	4050.4	4031.4	3971.9	3899.4
5°	3946.9	3945.7	3969.5	3992.1	4032.6	4054.0	4083.7	4056.4	4046.9	3975.5	3857.7
7.5°	3691.2	3704.3	3731.6	3767.3	3825.6	3888.7	3960.0	3951.7	3980.2	3932.7	3786.3
10°	3440.2	3433.1	3475.9	3529.4	3618.6	3699.5	3803.0	3801.8	3876.8	3872.0	3705.5
12.5°	3220.1	3218.9	3252.2	3312.9	3417.6	3530.6	3671.0	3674.5	3767.3	3805.4	3636.5
15°	3034.6	3036.9	3069.0	3132.1	3240.3	3378.3	3541.3	3571.0	3675.7	3753.0	3568.7
17.5°	2902.5	2903.7	2922.7	2977.5	3083.3	3230.8	3427.1	3467.5	3602.0	3713.8	3513.9
20°	2841.8	2837.1	2840.7	2868.0	2950.1	3084.5	3310.5	3362.9	3534.2	3686.4	3464.0
22.5°	2850.2	2843.0	2826.4	2822.8	2859.7	2962.0	3186.8	3251.1	3460.4	3669.8	3418.8
25°	2923.9	2908.5	2884.7	2849.0	2834.7	2885.9	3078.6	3145.2	3391.4	3671.0	3384.3
27.5°	3036.9	3020.3	2990.5	2943.0	2887.0	2865.6	3004.8	3067.9	3342.6	3698.3	3367.6
30°	3180.9	3167.8	3139.2	3082.1	3007.2	2919.2	2989.3	3041.7	3318.9	3754.2	3374.8
32.5°	3351.0	3341.5	3317.7	3265.3	3179.7	3045.3	3041.7	3082.1	3337.9	3835.1	3402.1
35°	3515.1	3518.7	3519.9	3491.3	3399.7	3236.8	3185.6	3199.9	3416.4	3956.5	3464.0
37.5°	3692.4	3684.0	3726.9	3747.1	3659.1	3485.4	3408.1	3409.3	3566.3	4136.1	3580.6
40°	3826.8	3829.2	3922.0	4005.2	3968.4	3800.6	3690.0	3688.8	3797.1	4382.3	3768.5
42.5°	3952.9	3968.4	4105.1	4247.9	4299.0	4150.4	4070.7	4040.9	4120.6	4715.4	4050.4
45°	4087.3	4109.9	4301.4	4504.8	4639.3	4551.2	4488.2	4500.1	4509.6	5103.2	4429.9
47.5°	4244.3	4258.6	4495.3	4782.0	5033.0	5010.4	5014.0	4999.7	4994.9	5592.1	4931.9
50°	4434.7	4468.0	4740.4	5083.0	5425.6	5575.4	5625.4	5631.3	5554.0	6125.0	5451.7
52.5°	4839.1	4879.5	5112.7	5412.5	5853.8	6169.0	6372.4	6332.0	6213.0	6641.3	6021.5
55°	5316.1	5347.0	5571.9	5882.3	6377.2	6819.7	7302.7	7286.0	6994.6	7184.9	6490.2
57.5°	5361.3	5395.8	5744.4	6220.2	7049.3	7623.8	8131.8	8185.3	7758.3	7570.3	6908.9
60°	4853.4	4923.6	5399.4	6039.4	7306.2	8705.2	9040.6	9051.3	8318.5	7961.7	7420.4
62.5°	3889.8	3923.1	4402.5	5237.6	6910.1	9335.6	10428.8	10202.8	9038.2	8567.2	8230.5
65°	2038.9	2174.5	2592.0	3516.3	5604.0	9115.6	12099.0	12037.1	10332.5	9434.4	8861.0
67.5°	1398.9	1397.7	1496.5	1833.1	3341.5	7848.7	12918.6	13599.0	11828.9	9731.7	8404.2
70°	1064.7	1068.2	1156.2	1375.1	1730.8	5224.5	12019.3	13182.6	12107.3	8836.0	6797.1
72.5°	706.6	713.7	860.0	1111.0	1382.3	2561.1	9340.4	10547.8	10187.3	7096.9	4784.4
75°	422.3	428.2	532.9	807.7	1228.8	1433.4	5934.7	7292.0	7012.4	4891.4	2564.7
77.5°	173.7	178.4	273.6	503.2	899.3	1113.4	3282.0	4771.3	4200.3	1944.9	700.6
80°	72.6	74.9	132.0	352.1	648.3	698.3	1520.2	2242.3	1721.3	418.7	214.1
82.5°	26.2	27.4	48.8	193.9	403.3	525.8	767.3	886.2	485.3	136.8	115.4
85°	1.2	1.2	11.9	65.4	153.5	148.7	438.9	424.7	160.6	57.1	69.0
87.5°	0.0	0.0	1.2	1.2	2.4	5.9	41.6	73.8	34.5	14.3	29.7
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°	3876.8	3876.8	3876.8	3876.8	3876.8	3876.8	3876.8	3876.8	3876.8	3876.8	3876.8
2.5°	3851.8	3788.7	3719.7	3655.5	3553.2	3492.5	3417.6	3384.3	3336.7	3324.8	3331.9
5°	3773.3	3665.0	3499.7	3349.8	3155.9	3000.1	2843.0	2776.4	2690.8	2633.7	2609.9
7.5°	3662.6	3521.1	3262.9	2990.5	2724.1	2439.8	2223.3	2080.5	1950.9	1879.5	1865.2
10°	3550.8	3366.4	2996.5	2606.3	2193.5	1853.3	1560.7	1344.2	1168.1	1088.4	1026.6
12.5°	3435.4	3205.8	2725.3	2216.1	1736.7	1272.8	911.2	700.6	574.6	524.6	532.9
15°	3329.6	3051.2	2456.4	1826.0	1222.9	768.5	503.2	424.7	394.9	385.4	384.2
17.5°	3228.4	2904.9	2188.8	1446.5	806.5	471.1	385.4	366.4	358.1	353.3	353.3
20°	3136.9	2764.5	1927.1	1089.6	521.0	373.5	348.5	339.0	331.9	328.3	328.3
22.5°	3051.2	2628.9	1671.3	770.8	384.2	335.5	320.0	310.5	302.1	297.4	297.4
25°	2973.9	2506.4	1427.5	530.5	330.7	306.9	290.3	279.5	265.3	256.9	256.9
27.5°	2918.0	2397.0	1193.1	386.6	298.6	276.0	256.9	242.7	227.2	217.7	215.3
30°	2884.7	2304.2	956.4	317.6	268.8	246.2	224.8	207.0	189.1	179.6	178.4
32.5°	2865.6	2218.5	739.9	277.2	243.9	217.7	193.9	174.9	157.0	146.3	145.1
35°	2872.8	2151.9	554.3	249.8	220.1	192.7	166.5	147.5	132.0	122.5	120.1
37.5°	2934.6	2122.2	416.3	228.4	199.8	171.3	143.9	126.1	111.8	104.7	103.5
40°	3054.8	2128.1	327.1	211.7	183.2	149.9	123.7	107.1	96.4	90.4	89.2
42.5°	3241.5	2178.1	270.0	197.5	165.3	130.9	107.1	94.0	83.3	77.3	76.1
45°	3519.9	2281.6	235.5	180.8	146.3	113.0	92.8	80.9	71.4	64.2	63.0
47.5°	3923.1	2461.2	212.9	165.3	129.7	97.5	79.7	67.8	59.5	53.5	52.3
50°	4352.6	2676.5	193.9	149.9	115.4	84.5	67.8	55.9	48.8	42.8	41.6
52.5°	4810.6	2908.5	179.6	135.6	102.3	72.6	57.1	46.4	39.3	33.3	32.1
55°	5250.7	3141.6	163.0	126.1	86.8	61.9	47.6	38.1	30.9	26.2	26.2
57.5°	5678.9	3355.7	145.1	110.6	71.4	52.3	39.3	30.9	25.0	21.4	20.2
60°	6190.4	3651.9	124.9	94.0	59.5	44.0	32.1	25.0	20.2	16.7	16.7
62.5°	6950.6	3960.0	107.1	78.5	50.0	36.9	26.2	20.2	16.7	14.3	13.1
65°	7199.2	3793.5	90.4	64.2	40.4	29.7	21.4	17.8	14.3	13.1	11.9
67.5°	6535.4	3109.5	74.9	52.3	33.3	25.0	19.0	15.5	13.1	11.9	10.7
70°	5099.6	2206.6	58.3	39.3	27.4	20.2	16.7	14.3	11.9	10.7	10.7
72.5°	3468.7	1304.9	46.4	29.7	22.6	17.8	14.3	13.1	11.9	10.7	9.5
75°	1708.2	463.9	35.7	22.6	17.8	15.5	13.1	11.9	10.7	9.5	9.5
77.5°	460.4	128.5	27.4	17.8	14.3	11.9	11.9	11.9	10.7	8.3	8.3
80°	155.8	53.5	20.2	13.1	11.9	9.5	8.3	10.7	9.5	8.3	7.1
82.5°	85.6	26.2	14.3	10.7	8.3	7.1	7.1	7.1	7.1	5.9	5.9
85°	54.7	14.3	9.5	8.3	8.3	5.9	4.8	4.8	3.6	3.6	3.6
87.5°	25.0	8.3	8.3	7.1	7.1	5.9	3.6	2.4	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)