

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: P633741

Luminaire Tested: GWS-SA2F-735-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-735-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12683.7 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

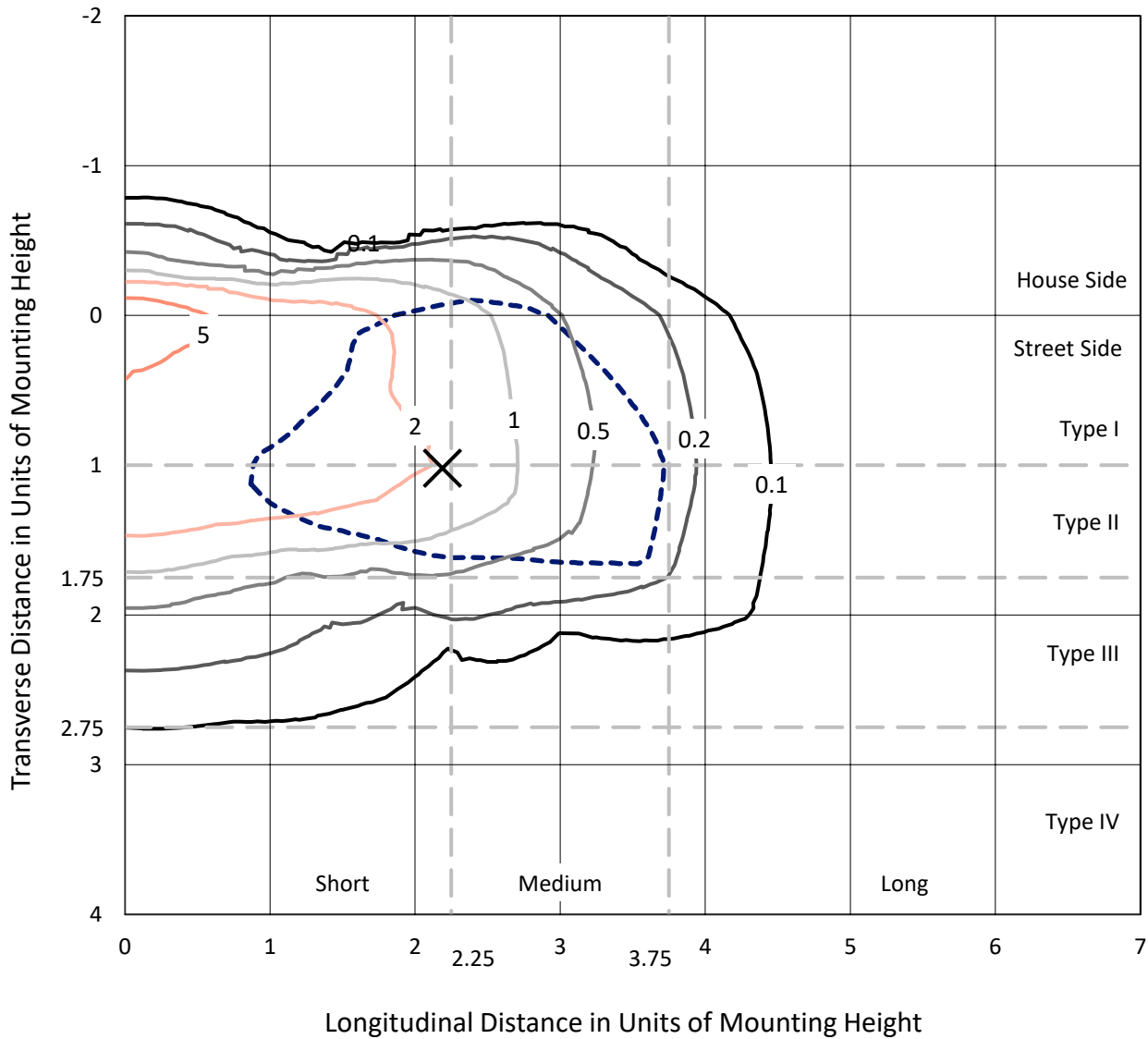
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

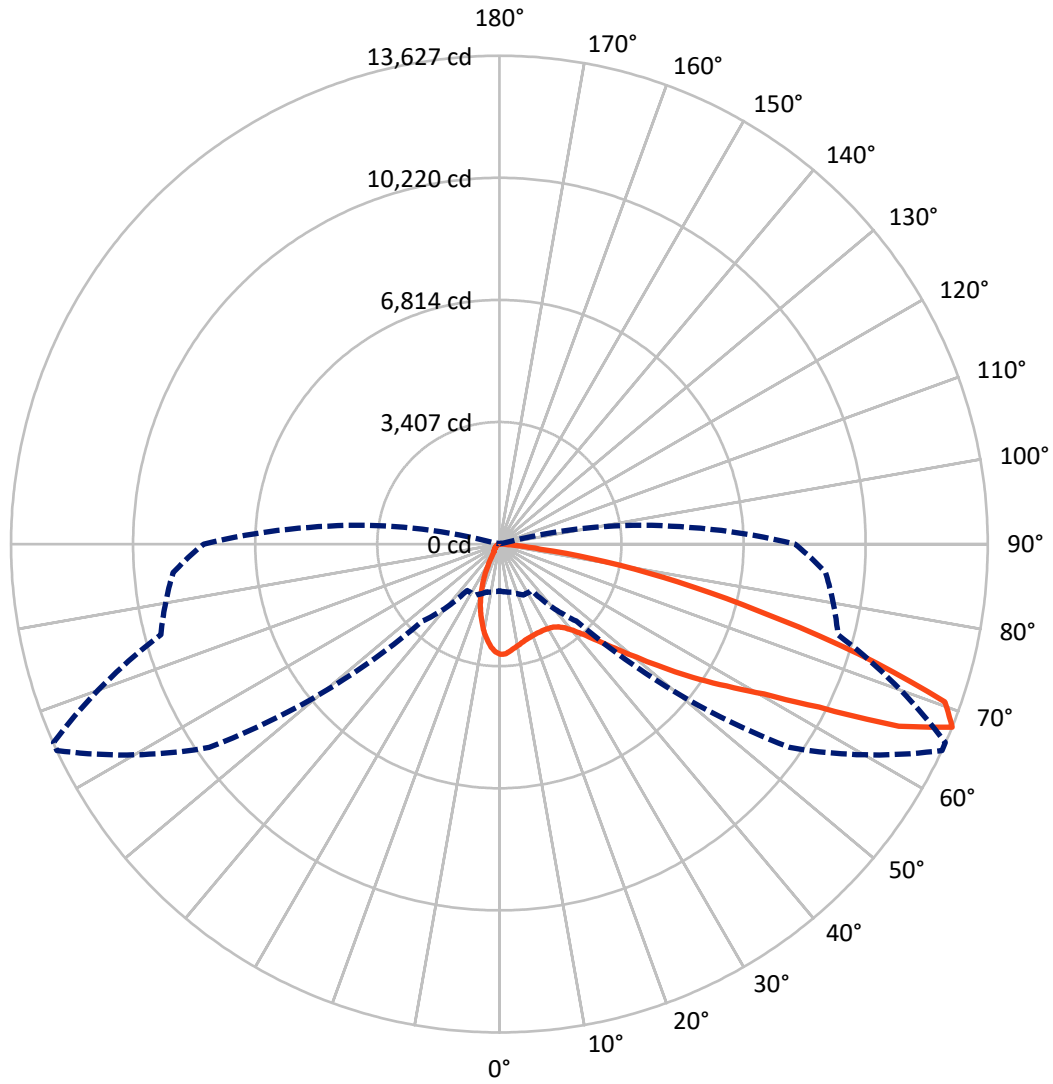
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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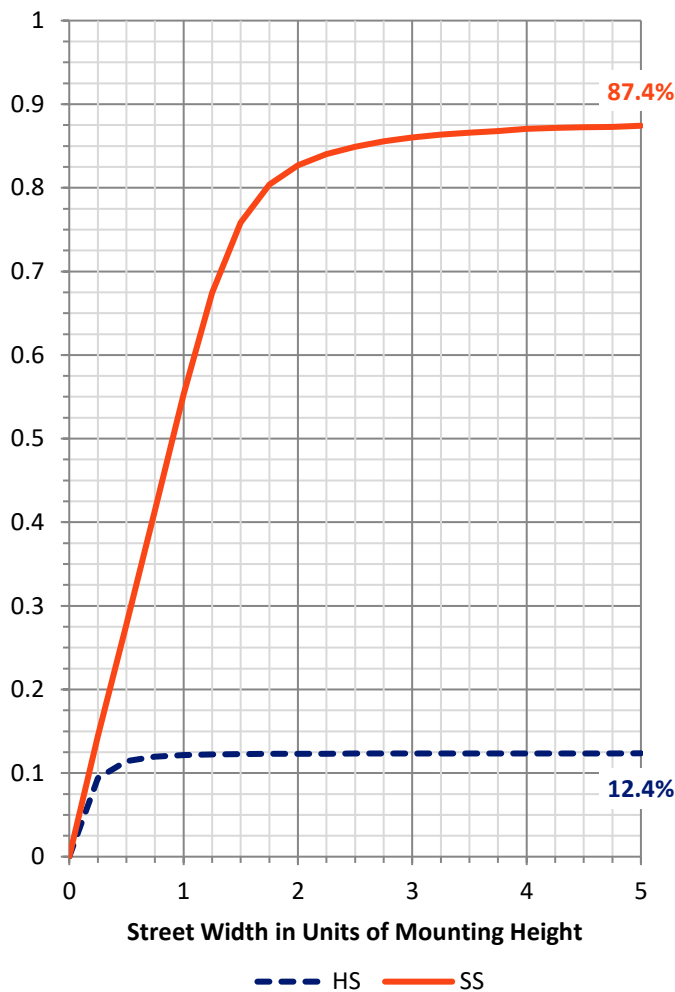
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1583.8	0.0	1583.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	11099.9	0.0	11099.9
	% Fixture	87.5	0.0	87.5
Total	Lumens	12683.7	0.0	12683.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.5	2.0
10°-20°	574.3	4.5
20°-30°	820.7	6.5
30°-40°	1194.0	9.4
40°-50°	1870.0	14.7
50°-60°	2917.3	23.0
60°-70°	3204.5	25.3
70°-80°	1705.4	13.4
80°-90°	142.0	1.1
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°	12683.7	100.0
0°-180°	12683.7	100.0

Coefficient of Utilization



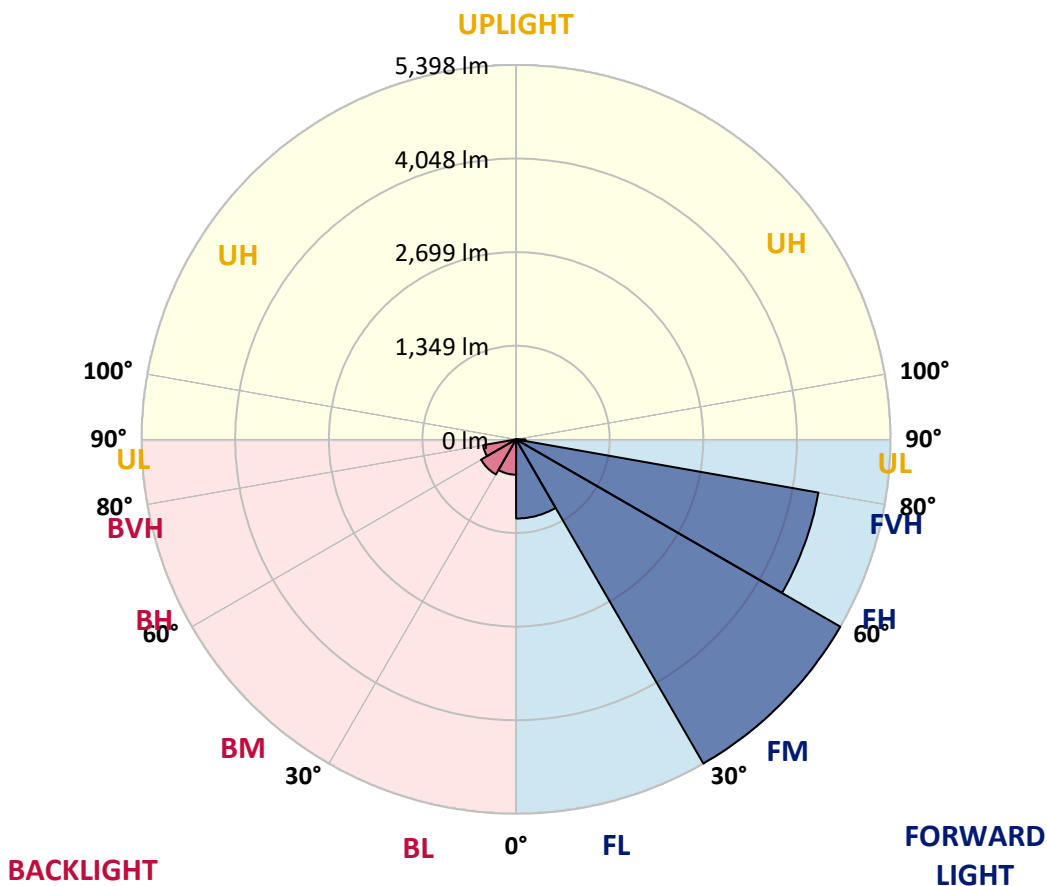
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1141.5	9.0			
FM (30°-60°)	5397.9	42.6			
FH (60°-80°)	4426.1	34.9			G2/5000
FVH (80°-90°)	134.4	1.1			G2/225
BL (0°-30°)	509.1	4.0	B2/1000		
BM (30°-60°)	583.4	4.6	B1/1000		
BH (60°-80°)	483.8	3.8	B1/500		G1/500
BVH (80°-90°)	7.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2
2.5°	2969.5	2978.7	2966.1	2997.1	3002.8	3037.2	3056.7	3070.5	3069.3	3086.5	3086.5
5°	2795.2	2804.4	2797.5	2830.7	2857.1	2911.0	2955.8	3007.4	3009.7	3062.4	3081.9
7.5°	2647.2	2648.4	2648.4	2689.7	2724.1	2790.6	2857.1	2936.3	2945.4	3026.9	3078.5
10°	2525.6	2529.1	2530.2	2577.3	2615.1	2695.4	2780.3	2875.5	2885.8	2995.9	3076.2
12.5°	2441.9	2443.1	2447.7	2497.0	2538.3	2622.0	2708.0	2817.0	2830.7	2960.4	3065.9
15°	2401.8	2399.5	2401.8	2443.1	2484.4	2564.6	2653.0	2770.0	2784.9	2930.5	3067.0
17.5°	2399.5	2396.0	2393.7	2424.7	2451.1	2522.2	2611.7	2739.0	2755.0	2916.8	3079.6
20°	2432.7	2430.4	2419.0	2432.7	2438.5	2497.0	2585.3	2714.9	2731.0	2914.5	3107.2
22.5°	2519.9	2514.2	2497.0	2484.4	2453.4	2487.8	2566.9	2697.7	2716.0	2920.2	3142.7
25°	2649.5	2647.2	2625.4	2594.5	2515.3	2501.6	2568.1	2697.7	2714.9	2927.1	3180.6
27.5°	2844.5	2830.7	2803.2	2749.3	2635.8	2555.5	2591.0	2704.6	2721.8	2936.3	3211.5
30°	3042.9	3041.8	3032.6	2977.6	2809.0	2658.7	2639.2	2722.9	2739.0	2944.3	3240.2
32.5°	3248.2	3251.7	3274.6	3232.2	3047.5	2812.4	2726.4	2760.8	2772.2	2960.4	3265.4
35°	3443.2	3450.1	3510.9	3525.8	3337.7	3045.2	2868.6	2836.5	2837.6	2995.9	3298.7
37.5°	3630.2	3653.1	3750.6	3822.9	3699.0	3327.4	3073.9	2964.9	2955.8	3067.0	3349.2
40°	3842.4	3886.0	4008.7	4131.4	4092.4	3700.2	3353.8	3162.2	3142.7	3197.8	3439.8
42.5°	4077.5	4124.5	4287.4	4459.5	4477.8	4150.9	3703.6	3450.1	3416.8	3418.0	3609.5
45°	4329.8	4392.9	4582.2	4829.9	4941.2	4653.3	4134.9	3838.9	3805.7	3756.4	3882.5
47.5°	4661.3	4716.4	4898.7	5184.3	5397.7	5192.4	4700.3	4339.0	4278.2	4206.0	4306.9
50°	4946.9	4995.1	5152.2	5510.1	5954.0	5887.4	5341.5	4964.1	4905.6	4782.9	4866.6
52.5°	5010.0	5047.9	5192.4	5595.0	6379.5	6764.9	6127.2	5720.0	5678.7	5451.6	5483.7
55°	4726.7	4784.0	4913.7	5361.0	6490.8	7622.8	7146.8	6572.2	6486.2	6123.7	6181.1
57.5°	4011.0	4113.1	4234.6	4816.2	6189.1	8079.3	8571.4	7474.9	7396.9	6770.6	6771.8
60°	2939.7	3022.3	3103.7	3635.9	5473.4	8048.3	9864.0	8488.8	8346.6	7299.4	7279.9
62.5°	2138.0	2180.4	2179.3	2368.5	3758.6	7518.4	10543.0	10016.6	9685.1	7864.8	7753.6
65°	1681.5	1680.3	1729.6	1791.6	2099.0	5803.7	10626.8	12247.4	11889.6	8623.0	8391.3
67.5°	1308.7	1333.9	1383.3	1565.6	1577.1	3037.2	9890.4	13627.3	13620.4	9780.3	9138.0
70°	1009.3	1043.8	1113.7	1379.8	1456.7	1699.8	7400.3	13190.3	13301.5	10297.6	8609.2
72.5°	648.0	645.7	749.0	1114.9	1399.3	1416.5	4092.4	10477.7	10603.8	9327.2	6961.0
75°	362.4	364.7	423.2	682.5	1304.1	1332.8	2026.7	7471.4	7571.2	7271.8	5348.4
77.5°	142.2	146.8	198.4	359.0	860.2	1190.6	1204.3	5094.9	5109.8	4506.5	3280.4
80°	57.3	60.8	100.9	222.5	524.2	801.7	860.2	3001.6	2940.9	1744.6	954.3
82.5°	17.2	18.4	40.1	126.2	274.1	570.0	580.4	1151.6	1087.3	375.1	243.2
85°	1.1	1.1	9.2	39.0	97.5	143.4	386.5	375.1	332.6	94.1	107.8
87.5°	0.0	0.0	1.1	1.1	2.3	4.6	41.3	68.8	70.0	17.2	48.2
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°	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2
2.5°	3086.5	3045.2	3041.8	3009.7	2977.6	2937.4	2890.4	2856.0	2831.9	2789.5	2781.4
5°	3081.9	3026.9	2975.3	2883.5	2781.4	2671.3	2575.0	2485.5	2429.3	2391.5	2375.4
7.5°	3072.8	3002.8	2883.5	2710.3	2539.4	2346.7	2196.5	2058.8	1964.8	1909.7	1885.6
10°	3065.9	2971.8	2778.0	2515.3	2250.4	1984.3	1756.0	1551.9	1438.3	1348.8	1333.9
12.5°	3052.1	2927.1	2642.6	2287.1	1945.3	1592.0	1300.7	1050.6	877.4	799.4	771.9
15°	3038.3	2880.1	2507.3	2046.2	1612.7	1176.8	823.5	582.7	463.4	426.7	424.4
17.5°	3036.1	2837.6	2360.5	1818.0	1264.0	770.8	469.1	377.4	352.1	342.9	342.9
20°	3042.9	2802.1	2216.0	1555.3	921.0	469.1	349.8	326.9	312.0	303.9	303.9
22.5°	3049.8	2765.4	2077.2	1290.4	611.3	342.9	308.5	289.0	271.8	262.7	258.1
25°	3054.4	2725.2	1923.5	1024.3	399.1	298.2	270.7	245.5	224.8	213.3	213.3
27.5°	3053.3	2677.0	1768.6	763.9	309.7	265.0	231.7	205.3	184.7	172.0	173.2
30°	3044.1	2624.3	1608.1	533.3	270.7	231.7	198.4	170.9	150.3	139.9	138.8
32.5°	3037.2	2568.1	1422.3	375.1	243.2	203.0	168.6	142.2	125.0	117.0	115.8
35°	3029.2	2513.0	1245.6	285.6	219.1	175.5	142.2	120.4	106.7	99.8	99.8
37.5°	3031.5	2455.7	1054.1	245.5	195.0	152.5	121.6	103.2	91.8	84.9	83.7
40°	3067.0	2421.3	866.0	222.5	173.2	131.9	105.5	89.5	78.0	71.1	70.0
42.5°	3155.3	2422.4	685.9	205.3	153.7	112.4	91.8	76.8	66.5	58.5	57.3
45°	3332.0	2470.6	526.5	187.0	133.0	97.5	79.1	65.4	55.1	48.2	47.0
47.5°	3621.0	2614.0	399.1	170.9	115.8	84.9	67.7	55.1	45.9	40.1	39.0
50°	4081.0	2873.2	314.3	151.4	97.5	73.4	57.3	45.9	37.9	32.1	31.0
52.5°	4633.8	3262.0	269.5	134.2	83.7	64.2	49.3	37.9	31.0	26.4	25.2
55°	5269.2	3726.5	248.9	117.0	71.1	55.1	40.1	31.0	25.2	21.8	19.5
57.5°	5851.9	4145.2	247.7	99.8	60.8	47.0	33.3	26.4	21.8	17.2	16.1
60°	6419.6	4495.0	232.8	82.6	52.8	39.0	28.7	21.8	18.4	14.9	13.8
62.5°	6934.6	4779.5	195.0	66.5	44.7	32.1	24.1	19.5	16.1	12.6	12.6
65°	7581.5	5141.9	149.1	53.9	36.7	26.4	20.6	17.2	14.9	11.5	11.5
67.5°	8250.2	5333.5	106.7	44.7	29.8	22.9	18.4	16.1	12.6	10.3	10.3
70°	7472.6	4506.5	76.8	36.7	25.2	19.5	16.1	14.9	12.6	10.3	9.2
72.5°	5835.8	3249.4	57.3	28.7	21.8	18.4	14.9	13.8	11.5	9.2	9.2
75°	4327.6	1894.8	43.6	22.9	17.2	14.9	14.9	13.8	11.5	9.2	8.0
77.5°	2352.5	660.7	33.3	18.4	13.8	11.5	12.6	12.6	10.3	8.0	6.9
80°	622.8	181.2	22.9	13.8	11.5	9.2	9.2	11.5	9.2	6.9	6.9
82.5°	181.2	52.8	16.1	11.5	9.2	8.0	8.0	8.0	6.9	5.7	4.6
85°	88.3	19.5	11.5	9.2	8.0	6.9	5.7	5.7	4.6	3.4	3.4
87.5°	39.0	8.0	9.2	8.0	8.0	5.7	4.6	3.4	3.4	2.3	1.1
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)