

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: P633851

Luminaire Tested: GWS-SA2F-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633851
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13154.6 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

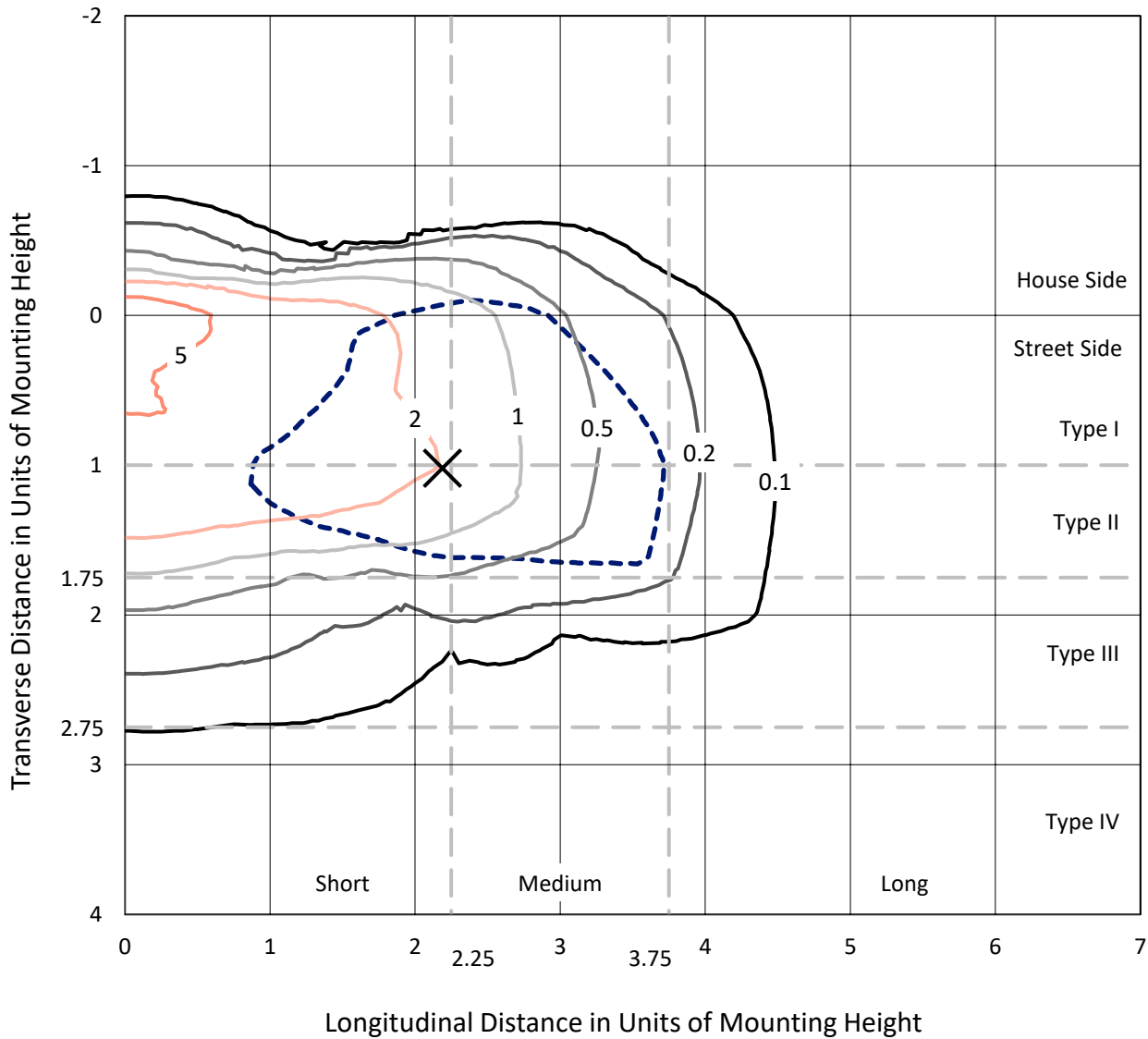
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633851
 CATALOG NUMBER: GWS-SA2F-750-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

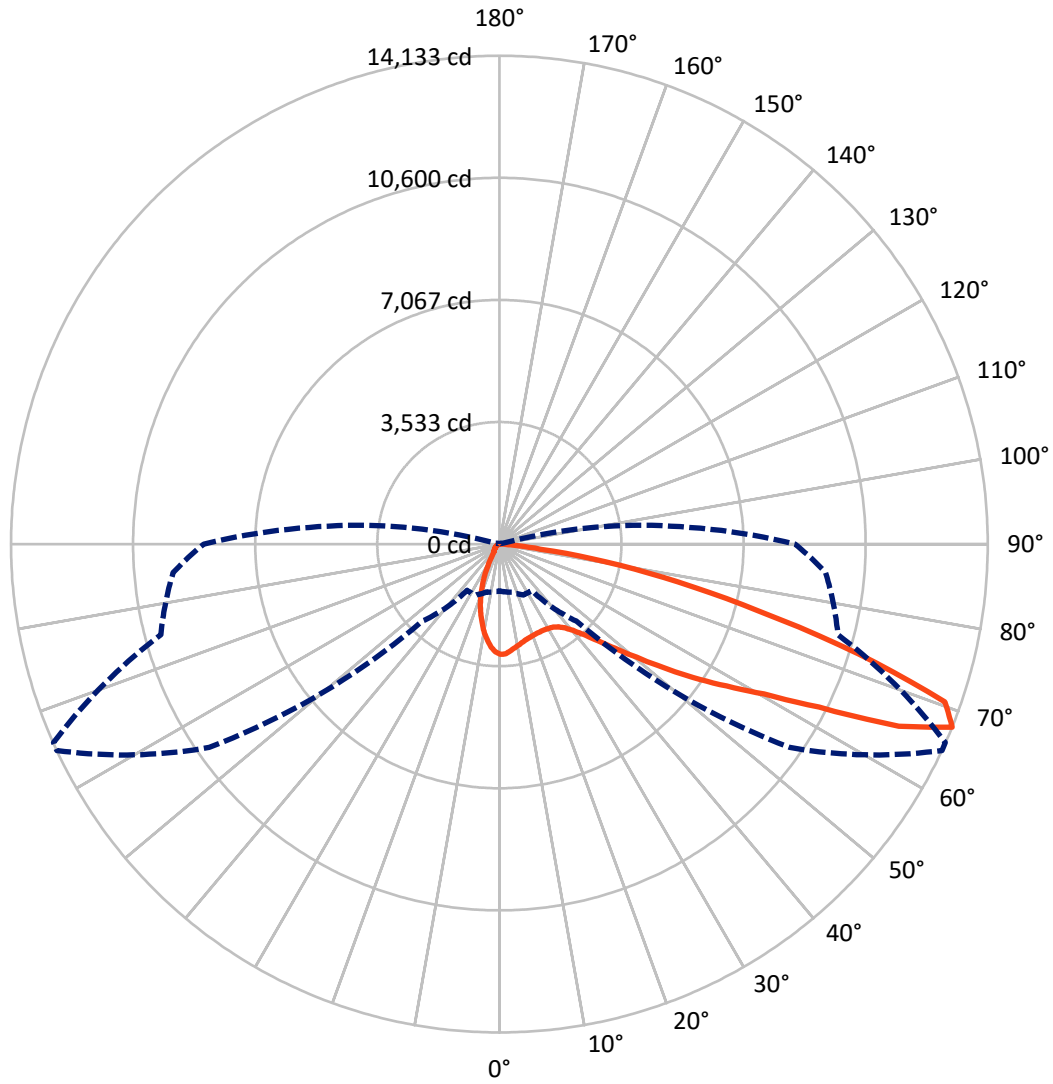
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - N/A

REPORT NUMBER: P633851
CATALOG NUMBER: GWS-SA2F-750-U-SL2-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633851

CATALOG NUMBER: GWS-SA2F-750-U-SL2-W-HSS

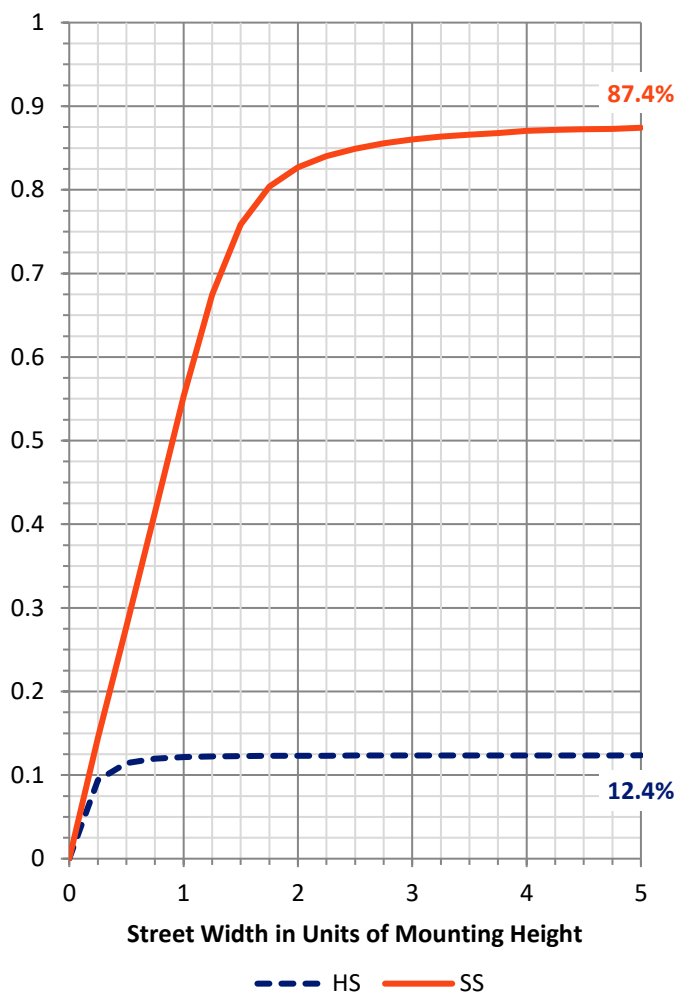
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1642.6	0.0	1642.6
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	11512.0	0.0	11512.0
	% Fixture	87.5	0.0	87.5
Total	Lumens	13154.6	0.0	13154.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.0	2.0
10°-20°	595.7	4.5
20°-30°	851.2	6.5
30°-40°	1238.3	9.4
40°-50°	1939.4	14.7
50°-60°	3025.6	23.0
60°-70°	3323.5	25.3
70°-80°	1768.7	13.4
80°-90°	147.3	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°	13154.6	100.0
0°-180°	13154.6	100.0

Coefficient of Utilization



REPORT NUMBER: P633851

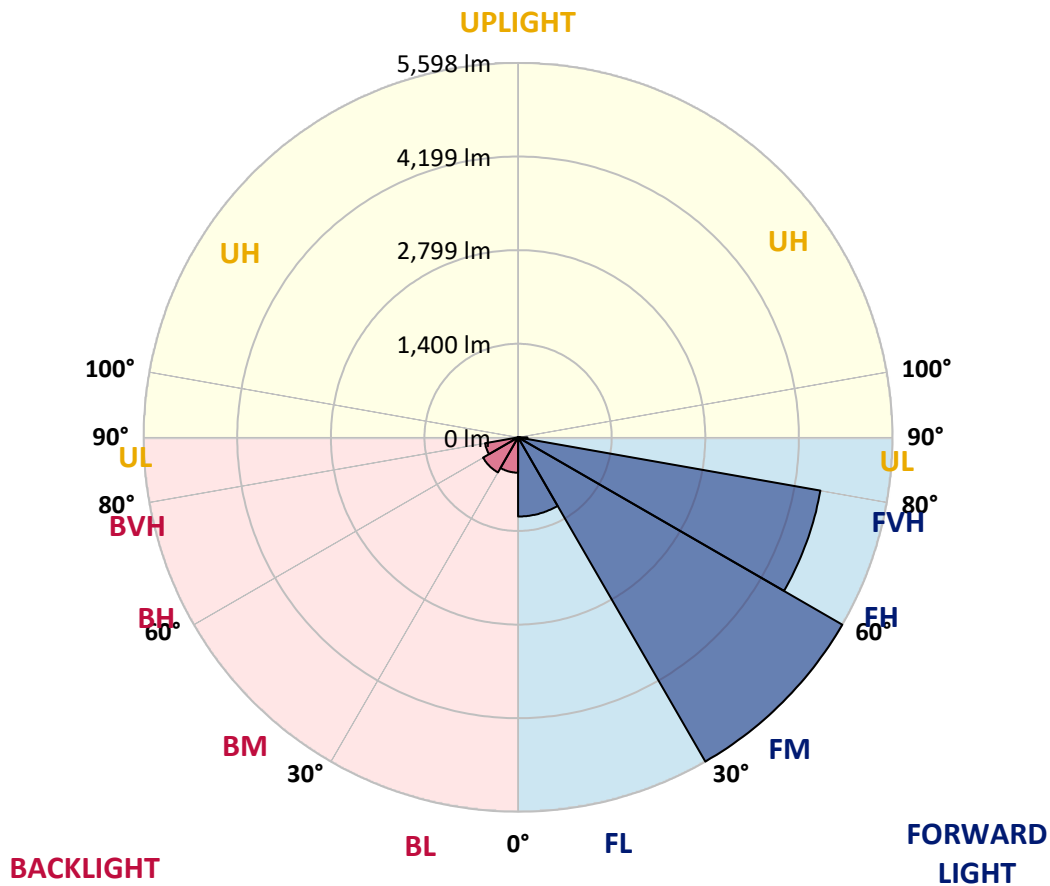
CATALOG NUMBER: GWS-SA2F-750-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1183.8	9.0			
FM (30°-60°)	5598.3	42.6			
FH (60°-80°)	4590.5	34.9			G2/5000
FVH (80°-90°)	139.4	1.1			G2/225
BL (0°-30°)	528.0	4.0	B2/1000		
BM (30°-60°)	605.0	4.6	B1/1000		
BH (60°-80°)	501.7	3.8	B2/1000		G2/1000
BVH (80°-90°)	7.9	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





REPORT NUMBER: P633851

CATALOG NUMBER: GWS-SA2F-750-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3190.4	3190.4	3190.4	3190.4	3190.4	3190.4	3190.4	3190.4	3190.4	3190.4	3190.4
2.5°	3079.8	3089.3	3076.2	3108.3	3114.3	3150.0	3170.2	3184.5	3183.3	3201.1	3201.1
5°	2899.0	2908.5	2901.3	2935.8	2963.2	3019.1	3065.5	3119.0	3121.4	3176.1	3196.4
7.5°	2745.5	2746.7	2746.7	2789.5	2825.2	2894.2	2963.2	3045.3	3054.8	3139.3	3192.8
10°	2619.4	2623.0	2624.2	2672.9	2712.2	2795.5	2883.5	2982.2	2992.9	3107.1	3190.4
12.5°	2532.6	2533.8	2538.5	2589.7	2632.5	2719.3	2808.6	2921.6	2935.8	3070.3	3179.7
15°	2490.9	2488.6	2490.9	2533.8	2576.6	2659.9	2751.5	2872.8	2888.3	3039.3	3180.9
17.5°	2488.6	2485.0	2482.6	2514.7	2542.1	2615.8	2708.6	2840.7	2857.3	3025.1	3194.0
20°	2523.1	2520.7	2508.8	2523.1	2529.0	2589.7	2681.3	2815.7	2832.3	3022.7	3222.5
22.5°	2613.5	2607.5	2589.7	2576.6	2544.5	2580.2	2662.2	2797.8	2816.9	3028.6	3259.4
25°	2747.9	2745.5	2722.9	2690.8	2608.7	2594.4	2663.4	2797.8	2815.7	3035.8	3298.7
27.5°	2950.1	2935.8	2907.3	2851.4	2733.6	2650.3	2687.2	2805.0	2822.8	3045.3	3330.8
30°	3155.9	3154.7	3145.2	3088.1	2913.2	2757.4	2737.2	2824.0	2840.7	3053.6	3360.5
32.5°	3368.8	3372.4	3396.2	3352.2	3160.7	2916.8	2827.6	2863.3	2875.2	3070.3	3386.7
35°	3571.1	3578.2	3641.2	3656.7	3461.6	3158.3	2975.1	2941.8	2943.0	3107.1	3421.2
37.5°	3765.0	3788.8	3889.9	3964.8	3836.3	3450.9	3188.0	3075.0	3065.5	3180.9	3473.5
40°	3985.0	4030.2	4157.5	4284.8	4244.4	3837.5	3478.3	3279.6	3259.4	3316.5	3567.5
42.5°	4228.9	4277.7	4446.6	4625.0	4644.0	4305.0	3841.1	3578.2	3543.7	3544.9	3743.6
45°	4490.6	4556.0	4752.3	5009.2	5124.6	4826.1	4288.4	3981.5	3947.0	3895.8	4026.7
47.5°	4834.4	4891.5	5080.6	5376.8	5598.1	5385.1	4874.8	4500.1	4437.1	4362.1	4466.8
50°	5130.6	5180.5	5343.5	5714.7	6175.0	6106.0	5539.8	5148.4	5087.8	4960.5	5047.3
52.5°	5196.0	5235.3	5385.1	5802.7	6616.3	7016.0	6354.6	5932.3	5889.5	5654.0	5687.3
55°	4902.2	4961.7	5096.1	5560.0	6731.7	7905.8	7412.2	6816.2	6727.0	6351.1	6410.5
57.5°	4159.9	4265.8	4391.9	4995.0	6418.9	8379.3	8889.6	7752.4	7671.5	7022.0	7023.2
60°	3048.8	3134.5	3219.0	3770.9	5676.6	8347.2	10230.2	8803.9	8656.4	7570.4	7550.1
62.5°	2217.3	2261.4	2260.2	2456.4	3898.2	7797.6	10934.5	10388.4	10044.7	8156.8	8041.4
65°	1743.9	1742.7	1793.9	1858.1	2176.9	6019.2	11021.3	12702.1	12331.0	8943.1	8702.8
67.5°	1357.3	1383.5	1434.6	1623.8	1635.6	3150.0	10257.6	14133.2	14126.0	10143.4	9477.2
70°	1046.8	1082.5	1155.1	1431.0	1510.7	1762.9	7675.1	13680.0	13795.3	10679.9	8928.9
72.5°	672.1	669.7	776.8	1156.3	1451.3	1469.1	4244.4	10866.6	10997.5	9673.5	7219.5
75°	375.9	378.3	438.9	707.8	1352.5	1382.3	2102.0	7748.8	7852.3	7541.8	5546.9
77.5°	147.5	152.3	205.8	372.3	892.2	1234.8	1249.0	5284.0	5299.5	4673.8	3402.1
80°	59.5	63.0	104.7	230.8	543.6	831.5	892.2	3113.1	3050.0	1809.3	989.7
82.5°	17.8	19.0	41.6	130.9	284.3	591.2	601.9	1194.3	1127.7	389.0	252.2
85°	1.2	1.2	9.5	40.4	101.1	148.7	400.9	389.0	345.0	97.5	111.8
87.5°	0.0	0.0	1.2	1.2	2.4	4.8	42.8	71.4	72.6	17.8	50.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P633851

CATALOG NUMBER: GWS-SA2F-750-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3190.4	3190.4	3190.4	3190.4	3190.4	3190.4	3190.4	3190.4	3190.4	3190.4	3190.4
2.5°	3201.1	3158.3	3154.7	3121.4	3088.1	3046.5	2997.7	2962.0	2937.0	2893.0	2884.7
5°	3196.4	3139.3	3085.7	2990.6	2884.7	2770.5	2670.6	2577.8	2519.5	2480.2	2463.6
7.5°	3186.8	3114.3	2990.6	2810.9	2633.7	2433.8	2278.0	2135.3	2037.7	1980.6	1955.6
10°	3179.7	3082.2	2881.1	2608.7	2333.9	2057.9	1821.2	1609.5	1491.7	1398.9	1383.5
12.5°	3165.4	3035.8	2740.8	2372.0	2017.5	1651.1	1349.0	1089.6	910.0	829.1	800.6
15°	3151.1	2987.0	2600.4	2122.2	1672.5	1220.5	854.1	604.3	480.6	442.5	440.1
17.5°	3148.8	2943.0	2448.1	1885.5	1310.9	799.4	486.5	391.4	365.2	355.7	355.7
20°	3155.9	2906.1	2298.2	1613.0	955.2	486.5	362.8	339.0	323.6	315.2	315.2
22.5°	3163.0	2868.0	2154.3	1338.3	634.0	355.7	320.0	299.8	281.9	272.4	267.7
25°	3167.8	2826.4	1994.9	1062.3	414.0	309.3	280.7	254.6	233.2	221.3	221.3
27.5°	3166.6	2776.4	1834.3	792.2	321.2	274.8	240.3	212.9	191.5	178.4	179.6
30°	3157.1	2721.7	1667.8	553.1	280.7	240.3	205.8	177.2	155.8	145.1	143.9
32.5°	3150.0	2663.4	1475.1	389.0	252.2	210.6	174.9	147.5	129.7	121.3	120.1
35°	3141.6	2606.3	1291.9	296.2	227.2	182.0	147.5	124.9	110.6	103.5	103.5
37.5°	3144.0	2546.9	1093.2	254.6	202.2	158.2	126.1	107.1	95.2	88.0	86.8
40°	3180.9	2511.2	898.1	230.8	179.6	136.8	109.4	92.8	80.9	73.8	72.6
42.5°	3272.5	2512.4	711.4	212.9	159.4	116.6	95.2	79.7	69.0	60.7	59.5
45°	3455.7	2562.3	546.0	193.9	138.0	101.1	82.1	67.8	57.1	50.0	48.8
47.5°	3755.4	2711.0	414.0	177.2	120.1	88.0	70.2	57.1	47.6	41.6	40.4
50°	4232.5	2979.9	325.9	157.0	101.1	76.1	59.5	47.6	39.3	33.3	32.1
52.5°	4805.8	3383.1	279.5	139.2	86.8	66.6	51.2	39.3	32.1	27.4	26.2
55°	5464.8	3864.9	258.1	121.3	73.8	57.1	41.6	32.1	26.2	22.6	20.2
57.5°	6069.1	4299.1	256.9	103.5	63.0	48.8	34.5	27.4	22.6	17.8	16.7
60°	6658.0	4661.9	241.5	85.6	54.7	40.4	29.7	22.6	19.0	15.5	14.3
62.5°	7192.1	4956.9	202.2	69.0	46.4	33.3	25.0	20.2	16.7	13.1	13.1
65°	7863.0	5332.8	154.6	55.9	38.1	27.4	21.4	17.8	15.5	11.9	11.9
67.5°	8556.5	5531.5	110.6	46.4	30.9	23.8	19.0	16.7	13.1	10.7	10.7
70°	7750.0	4673.8	79.7	38.1	26.2	20.2	16.7	15.5	13.1	10.7	9.5
72.5°	6052.5	3370.0	59.5	29.7	22.6	19.0	15.5	14.3	11.9	9.5	9.5
75°	4488.2	1965.2	45.2	23.8	17.8	15.5	15.5	14.3	11.9	9.5	8.3
77.5°	2439.8	685.2	34.5	19.0	14.3	11.9	13.1	13.1	10.7	8.3	7.1
80°	645.9	188.0	23.8	14.3	11.9	9.5	9.5	11.9	9.5	7.1	7.1
82.5°	188.0	54.7	16.7	11.9	9.5	8.3	8.3	8.3	7.1	5.9	4.8
85°	91.6	20.2	11.9	9.5	8.3	7.1	5.9	5.9	4.8	3.6	3.6
87.5°	40.4	8.3	9.5	8.3	8.3	5.9	4.8	3.6	3.6	2.4	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)