

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: P637322

Luminaire Tested: GWS-SA4C-750-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-750-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15645.2 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

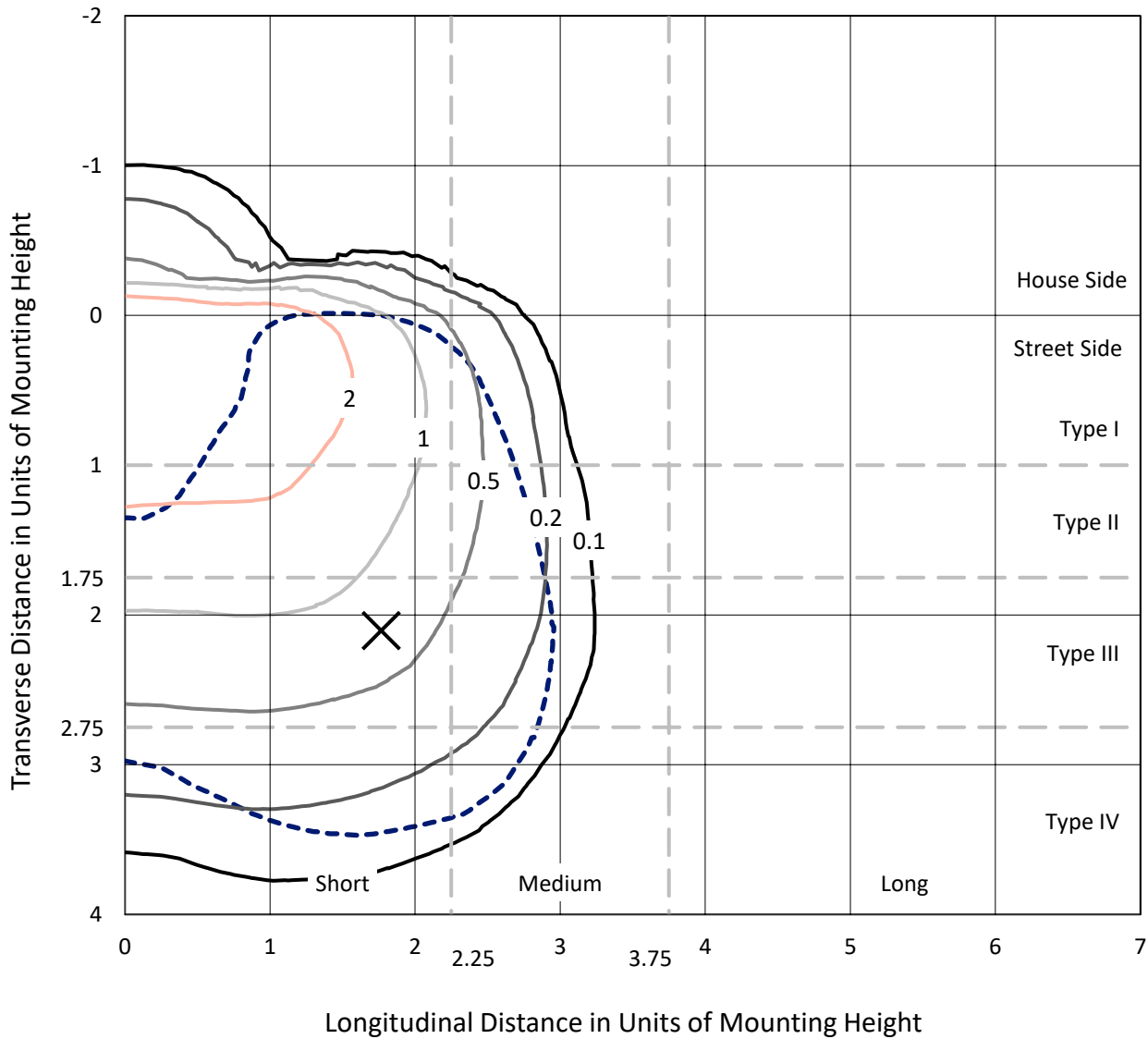
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637322
 CATALOG NUMBER: GWS-SA4C-750-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

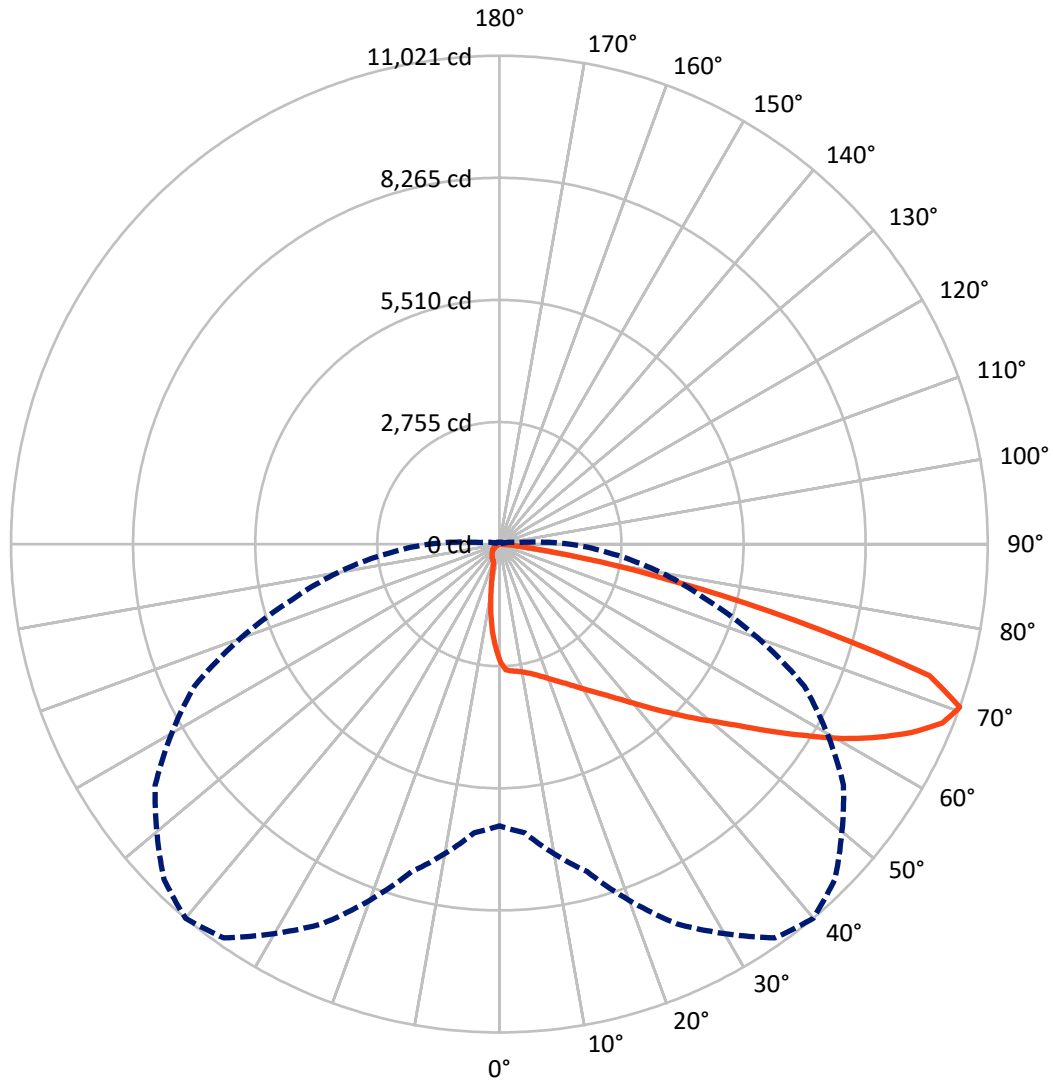
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P637322
CATALOG NUMBER: GWS-SA4C-750-U-SL4-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P637322

CATALOG NUMBER: GWS-SA4C-750-U-SL4-W-HSS

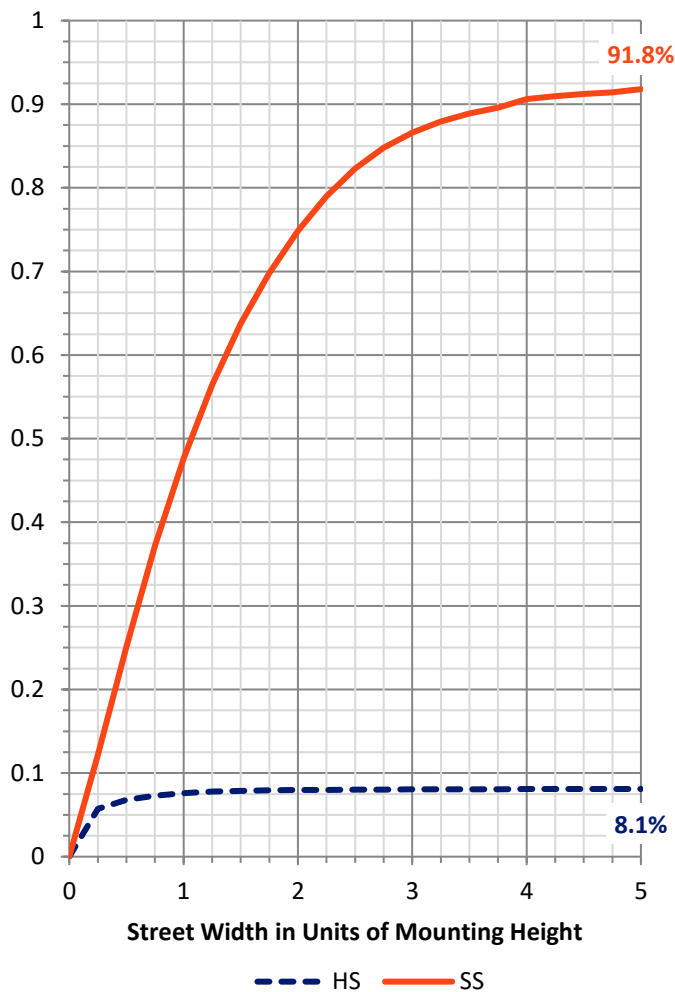
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1279.4	0.0	1279.4
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	14365.8	0.0	14365.8
	% Fixture	91.8	0.0	91.8
Total	Lumens	15645.2	0.0	15645.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.4	1.4
10°-20°	569.1	3.6
20°-30°	952.5	6.1
30°-40°	1496.0	9.6
40°-50°	2366.3	15.1
50°-60°	3451.8	22.1
60°-70°	4279.0	27.4
70°-80°	2164.9	13.8
80°-90°	141.3	0.9
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°	15645.2	100.0
0°-180°	15645.2	100.0

Coefficient of Utilization



REPORT NUMBER: P637322

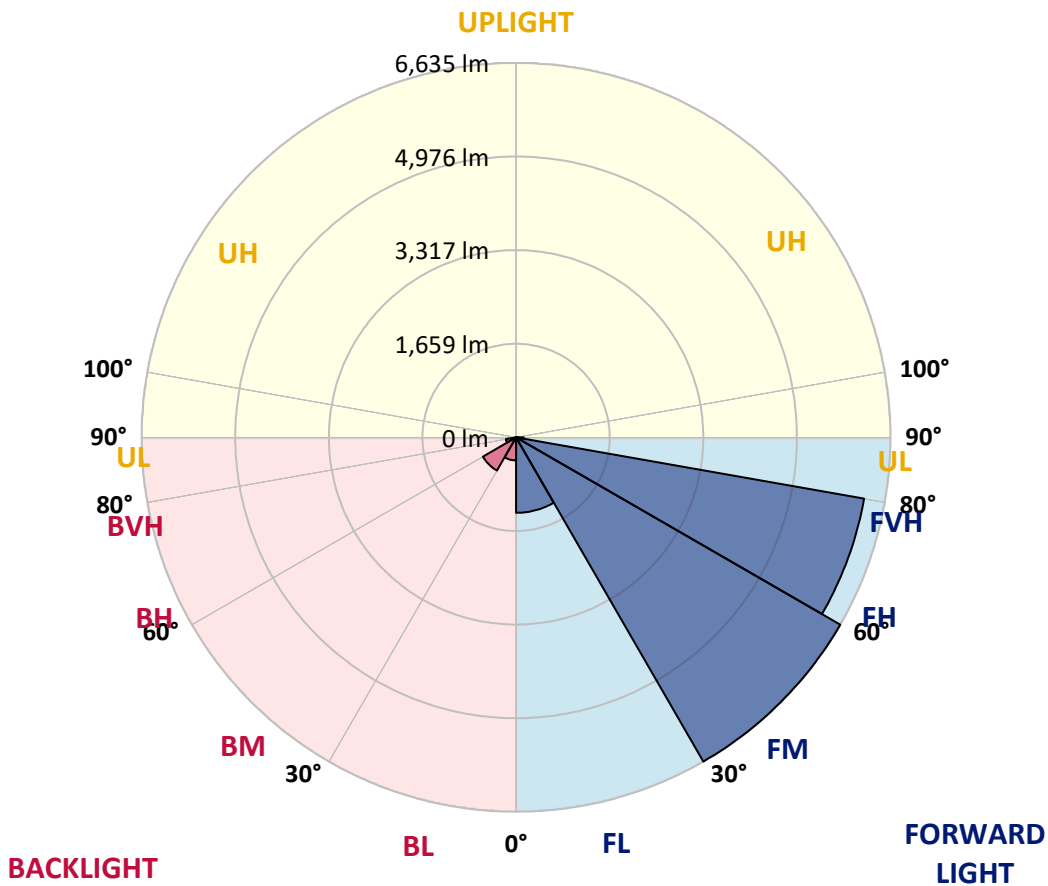
CATALOG NUMBER: GWS-SA4C-750-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1337.4	8.5			
FM (30°-60°)	6635.0	42.4			
FH (60°-80°)	6261.5	40.0			G3/7500
FVH (80°-90°)	132.0	0.8			G2/225
BL (0°-30°)	408.6	2.6	B1/500		
BM (30°-60°)	679.1	4.3	B1/1000		
BH (60°-80°)	182.4	1.2	B1/500		G1/500
BVH (80°-90°)	9.3	0.1			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 IV Short





REPORT NUMBER: P637322

CATALOG NUMBER: GWS-SA4C-750-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2654.8	2654.8	2654.8	2654.8	2654.8	2654.8	2654.8	2654.8	2654.8	2654.8	2654.8
2.5°	2854.1	2864.1	2862.6	2866.9	2856.9	2841.3	2838.4	2817.1	2778.6	2730.2	2676.2
5°	2912.5	2923.8	2915.3	2911.0	2892.5	2875.4	2871.2	2848.4	2804.3	2738.8	2644.8
7.5°	2962.3	2965.1	2959.4	2949.5	2922.4	2899.6	2884.0	2852.7	2800.0	2734.5	2626.3
10°	2970.8	2969.4	2972.2	2973.7	2956.6	2936.7	2923.8	2881.1	2814.2	2744.5	2627.8
12.5°	2960.9	2960.9	2979.4	3000.7	3000.7	2990.7	2977.9	2939.5	2861.2	2778.6	2656.2
15°	2973.7	2977.9	3013.5	3053.4	3066.2	3056.2	3050.5	3010.7	2929.5	2838.4	2707.5
17.5°	3019.2	3023.5	3080.4	3140.2	3155.9	3144.5	3133.1	3093.2	3006.4	2906.8	2765.8
20°	3086.1	3097.5	3170.1	3247.0	3261.2	3247.0	3224.2	3168.7	3081.8	2980.8	2821.4
22.5°	3208.5	3215.7	3293.9	3375.1	3382.2	3359.4	3325.3	3248.4	3157.3	3059.1	2884.0
25°	3370.8	3380.8	3459.1	3537.4	3518.9	3484.7	3437.7	3350.9	3247.0	3151.6	2963.7
27.5°	3564.4	3575.8	3652.7	3721.0	3672.6	3632.7	3580.1	3471.9	3366.5	3279.7	3066.2
30°	3773.7	3783.6	3852.0	3913.2	3849.1	3802.1	3739.5	3628.5	3521.7	3456.2	3211.4
32.5°	3975.8	3974.4	4039.9	4089.7	4024.2	3987.2	3930.2	3817.8	3732.4	3703.9	3427.8
35°	4163.7	4163.7	4217.8	4267.6	4220.6	4200.7	4148.0	4058.4	4010.0	4044.1	3716.7
37.5°	4353.0	4343.1	4394.3	4449.8	4445.5	4447.0	4417.1	4374.4	4377.2	4498.2	4113.9
40°	4509.6	4505.3	4565.1	4637.7	4694.7	4740.2	4721.7	4737.4	4827.0	5053.4	4622.1
42.5°	4634.9	4644.8	4721.7	4837.0	4980.8	5073.3	5086.1	5150.2	5380.8	5731.0	5195.7
45°	4778.6	4780.1	4886.8	5063.3	5292.5	5439.1	5490.4	5655.5	5982.9	6434.2	5824.9
47.5°	4955.2	4938.1	5057.6	5305.3	5637.0	5853.4	5944.5	6150.9	6657.6	7120.3	6337.4
50°	5150.2	5118.9	5254.1	5591.5	6022.8	6293.2	6478.3	6780.1	7326.7	7684.0	6718.9
52.5°	5376.5	5346.6	5500.4	5920.3	6485.4	6814.2	7052.0	7356.6	7900.4	8113.9	6946.6
55°	5664.1	5634.2	5796.4	6314.6	7032.0	7459.1	7708.2	7964.4	8434.2	8431.3	7111.7
57.5°	5982.9	5941.6	6166.5	6812.8	7713.9	8158.0	8411.4	8536.7	8839.9	8677.6	7222.8
60°	6348.8	6311.7	6623.5	7406.4	8501.1	8912.5	9071.9	9020.6	9172.9	8822.8	7184.3
62.5°	6679.0	6661.9	7049.1	8035.6	9251.2	9598.6	9642.7	9419.2	9417.8	8825.6	6925.3
65°	7022.1	7054.8	7629.9	8760.1	10005.7	10239.1	10163.7	9814.9	9516.0	8476.9	6159.4
67.5°	7150.2	7245.5	8012.8	9414.9	10600.7	10782.9	10650.5	10012.8	9107.5	7303.9	4690.4
70°	6358.7	6538.1	7651.2	9452.0	10847.0	11020.6	10703.2	9480.4	7592.9	4838.4	2569.4
72.5°	4835.6	5044.8	6375.8	7739.5	9755.2	10150.9	9608.5	7723.8	4893.9	2119.6	862.6
75°	2706.0	2932.4	4748.8	5827.8	6549.5	6911.0	6711.7	4955.2	2168.0	553.7	257.7
77.5°	915.3	990.7	2209.3	3605.7	4323.1	3998.6	3385.1	2461.2	797.2	210.7	136.7
80°	542.3	570.8	822.8	1795.0	2274.7	1886.1	1489.0	909.6	405.7	112.5	95.4
82.5°	162.3	192.2	454.1	666.2	891.1	555.2	469.8	519.6	210.7	61.2	79.7
85°	0.0	0.0	96.8	206.4	233.5	91.1	91.1	294.7	38.4	25.6	58.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	7.1	4.3	5.7	12.8
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: P637322

CATALOG NUMBER: GWS-SA4C-750-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2654.8	2654.8	2654.8	2654.8	2654.8	2654.8	2654.8	2654.8	2654.8	2654.8	2654.8
2.5°	2637.7	2587.9	2529.5	2474.0	2421.4	2353.0	2320.3	2280.4	2246.3	2227.8	2237.7
5°	2585.1	2506.8	2387.2	2266.2	2143.8	2028.5	1924.6	1854.8	1792.2	1759.4	1766.5
7.5°	2539.5	2434.2	2247.7	2049.8	1853.4	1655.5	1494.7	1369.4	1272.6	1232.7	1225.6
10°	2519.6	2387.2	2123.8	1839.1	1537.4	1271.2	1043.4	905.3	807.1	758.7	767.3
12.5°	2529.5	2363.0	2018.5	1632.7	1241.3	931.0	713.2	583.6	513.9	485.4	478.3
15°	2558.0	2357.3	1924.6	1422.1	958.0	650.5	492.5	439.9	425.6	422.8	422.8
17.5°	2590.7	2358.7	1827.8	1208.5	727.4	482.6	421.4	411.4	407.1	404.3	405.7
20°	2623.5	2358.7	1716.7	992.2	546.6	417.1	401.4	394.3	390.0	388.6	388.6
22.5°	2663.3	2358.7	1592.9	791.5	438.4	395.7	382.9	378.6	374.4	373.0	371.5
25°	2711.7	2360.1	1456.2	619.2	398.6	377.2	367.3	363.0	358.7	355.9	355.9
27.5°	2781.5	2371.5	1305.3	482.6	375.8	360.1	351.6	347.3	343.1	338.8	338.8
30°	2882.6	2400.0	1135.9	398.6	354.4	341.6	333.1	330.2	326.0	321.7	320.3
32.5°	3033.5	2449.8	960.9	357.3	334.5	321.7	311.7	308.9	304.6	300.4	298.9
35°	3244.1	2540.9	790.0	331.7	308.9	296.1	290.4	289.0	283.3	279.0	279.0
37.5°	3553.0	2689.0	626.3	306.0	287.5	277.6	270.5	267.6	261.9	257.7	256.2
40°	3930.2	2881.1	486.8	286.1	267.6	257.7	250.5	246.3	239.1	233.5	230.6
42.5°	4411.4	3116.0	384.3	264.8	249.1	239.1	233.5	224.9	214.9	206.4	205.0
45°	4912.5	3358.0	317.4	244.8	232.0	223.5	216.4	205.0	190.7	180.8	177.9
47.5°	5296.8	3508.9	277.6	223.5	213.5	206.4	197.9	183.6	166.5	155.2	152.3
50°	5571.5	3531.7	247.7	203.6	197.9	190.7	177.9	160.9	142.3	131.0	128.1
52.5°	5706.8	3429.2	223.5	185.1	180.8	173.7	158.0	139.5	119.6	108.2	105.3
55°	5768.0	3235.6	200.7	169.4	163.7	155.2	138.1	118.1	98.2	88.3	85.4
57.5°	5743.8	2949.5	180.8	153.7	146.6	136.7	118.1	96.8	81.1	71.2	69.8
60°	5564.4	2548.0	160.9	138.1	129.5	118.1	99.6	79.7	65.5	58.4	56.9
62.5°	5177.2	2049.8	140.9	119.6	113.9	102.5	85.4	65.5	54.1	49.8	48.4
65°	4384.3	1449.1	121.0	101.1	98.2	86.8	71.2	54.1	47.0	44.1	42.7
67.5°	3151.6	881.1	102.5	86.8	84.0	74.0	59.8	47.0	42.7	41.3	41.3
70°	1584.3	417.1	81.1	71.2	71.2	61.2	51.2	42.7	41.3	39.9	39.9
72.5°	538.1	177.9	61.2	55.5	58.4	52.7	44.1	39.9	39.9	39.9	39.9
75°	183.6	94.0	42.7	39.9	42.7	42.7	38.4	38.4	39.9	39.9	39.9
77.5°	119.6	62.6	29.9	27.0	32.7	32.7	32.7	35.6	38.4	38.4	38.4
80°	98.2	34.2	19.9	18.5	24.2	24.2	27.0	32.7	35.6	35.6	35.6
82.5°	84.0	21.4	11.4	12.8	17.1	18.5	22.8	27.0	31.3	32.7	32.7
85°	56.9	11.4	8.5	10.0	11.4	14.2	18.5	22.8	25.6	28.5	28.5
87.5°	15.7	4.3	5.7	7.1	7.1	10.0	14.2	17.1	19.9	21.4	21.4
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)