

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: P641940

Luminaire Tested: GWS-SA6B-830-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641940
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-SA6B-830-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13622.3 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

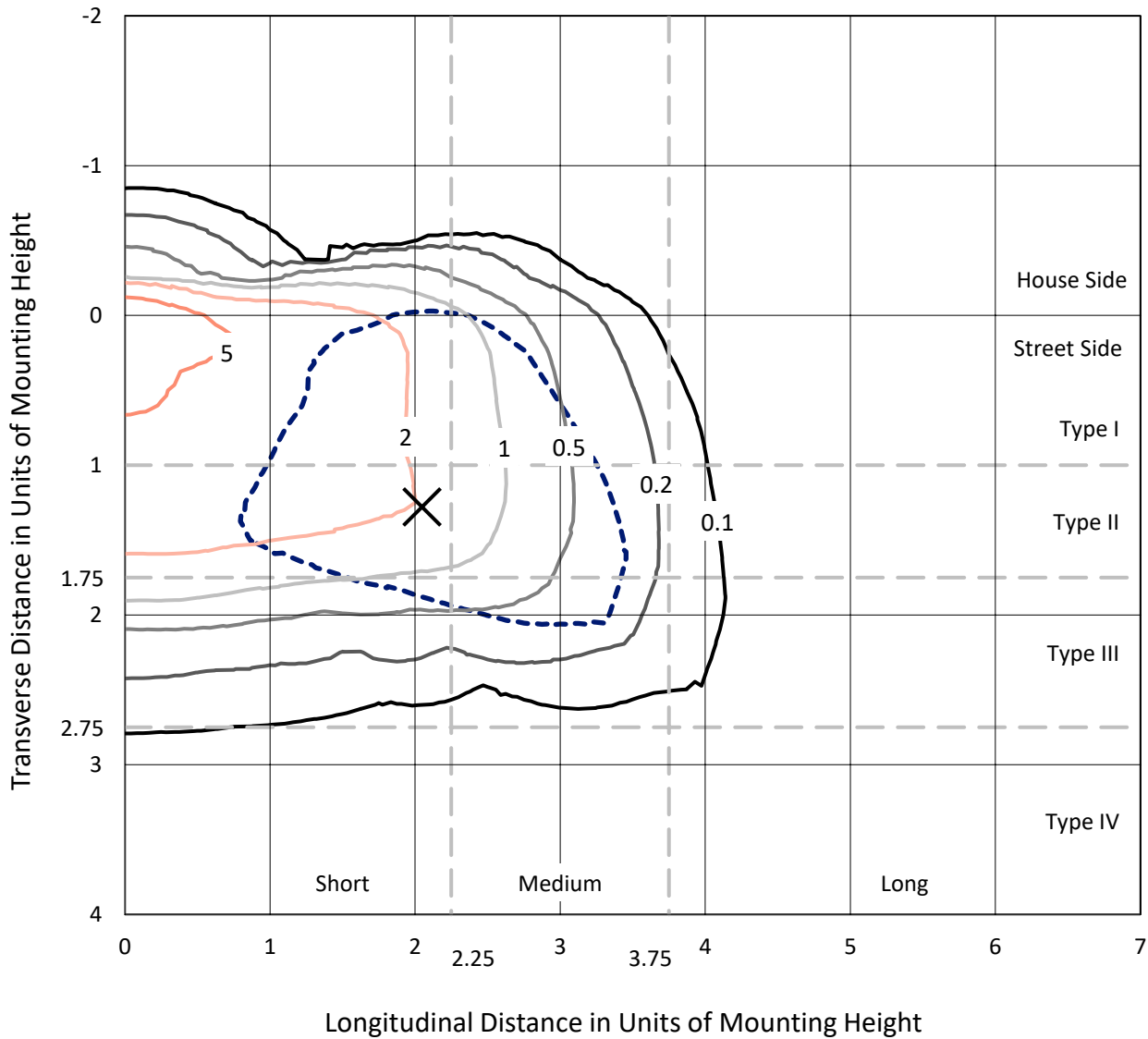
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641940
 CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

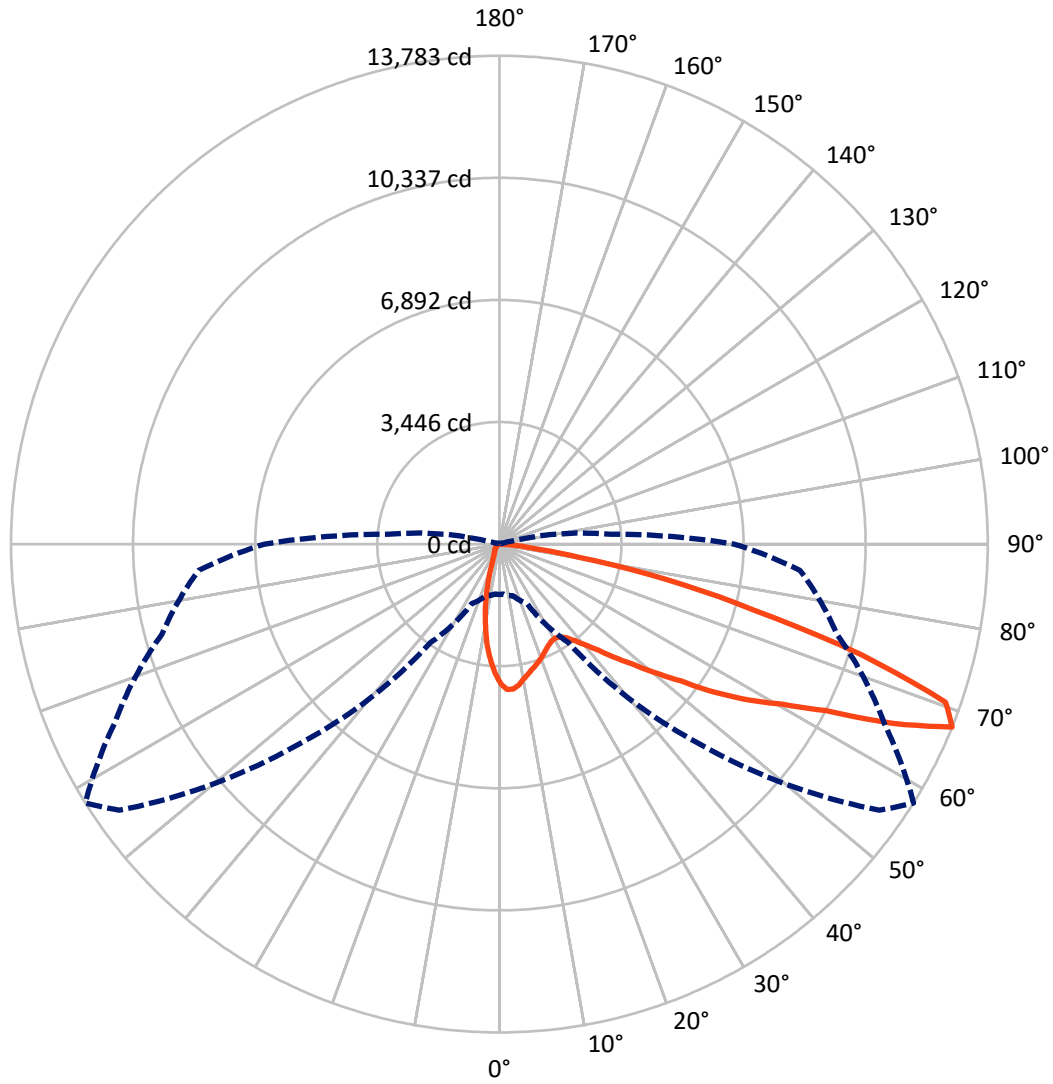
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.8 fc
 Type III - Short - N/A

REPORT NUMBER: P641940
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P641940
 CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-HSS

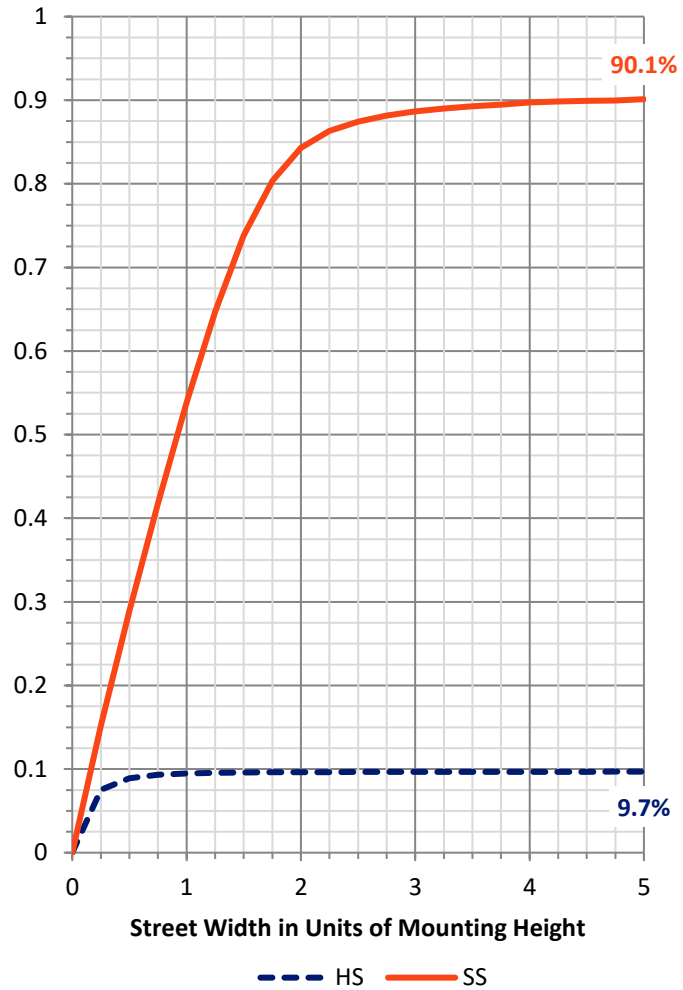
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1330.8	0.0	1330.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	12291.5	0.0	12291.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	13622.3	0.0	13622.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.3	2.3
10°-20°	664.7	4.9
20°-30°	896.3	6.6
30°-40°	1259.5	9.2
40°-50°	1945.2	14.3
50°-60°	3110.7	22.8
60°-70°	3683.3	27.0
70°-80°	1629.4	12.0
80°-90°	113.9	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°	13622.3	100.0
0°-180°	13622.3	100.0

Coefficient of Utilization



REPORT NUMBER: P641940

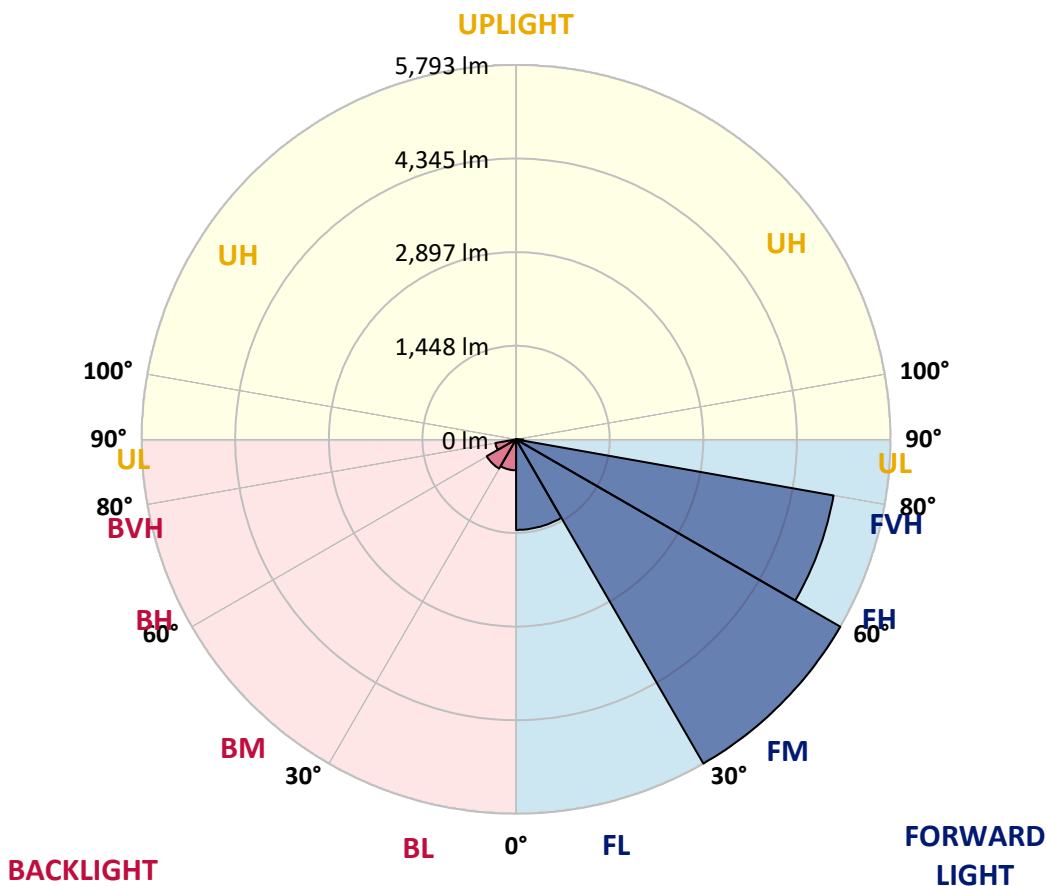
CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1401.4	10.3			
FM (30°-60°)	5793.3	42.5			
FH (60°-80°)	4987.8	36.6			G2/5000
FVH (80°-90°)	109.1	0.8			G2/225
BL (0°-30°)	478.9	3.5	B1/500		
BM (30°-60°)	522.2	3.8	B1/1000		
BH (60°-80°)	324.9	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





REPORT NUMBER: P641940

CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3
2.5°	4133.1	4140.3	4150.0	4162.0	4159.6	4148.7	4135.5	4105.3	4086.0	4025.8	3952.2
5°	4000.4	3999.2	4023.4	4046.3	4087.3	4109.0	4139.1	4111.4	4101.7	4029.4	3910.0
7.5°	3741.2	3754.5	3782.2	3818.4	3877.5	3941.4	4013.7	4005.3	4034.2	3986.0	3837.7
10°	3486.8	3479.6	3523.0	3577.3	3667.7	3749.7	3854.6	3853.4	3929.3	3924.5	3755.7
12.5°	3263.8	3262.6	3296.3	3357.8	3463.9	3578.5	3720.7	3724.3	3818.4	3857.0	3685.8
15°	3075.7	3078.1	3110.7	3174.6	3284.3	3424.1	3589.3	3619.5	3725.6	3803.9	3617.0
17.5°	2941.9	2943.1	2962.4	3017.8	3125.1	3274.6	3473.6	3514.6	3650.8	3764.1	3561.6
20°	2880.4	2875.5	2879.2	2906.9	2990.1	3126.3	3355.4	3408.5	3582.1	3736.4	3510.9
22.5°	2888.8	2881.6	2864.7	2861.1	2898.5	3002.1	3230.0	3295.1	3507.3	3719.5	3465.1
25°	2963.6	2947.9	2923.8	2887.6	2873.1	2925.0	3120.3	3187.8	3437.4	3720.7	3430.2
27.5°	3078.1	3061.2	3031.1	2982.9	2926.2	2904.5	3045.5	3109.4	3388.0	3748.5	3413.3
30°	3224.0	3210.7	3181.8	3123.9	3048.0	2958.7	3029.9	3082.9	3363.8	3805.1	3420.5
32.5°	3396.4	3386.8	3362.6	3309.6	3222.8	3086.5	3082.9	3123.9	3383.1	3887.1	3448.2
35°	3562.8	3566.4	3567.6	3538.7	3445.8	3280.7	3228.8	3243.3	3462.7	4010.1	3510.9
37.5°	3742.4	3734.0	3777.4	3797.9	3708.7	3532.6	3454.3	3455.5	3614.6	4192.1	3629.1
40°	3878.7	3881.1	3975.1	4059.5	4022.1	3852.1	3740.0	3738.8	3848.5	4441.7	3819.6
42.5°	4006.5	4022.1	4160.8	4305.5	4357.3	4206.6	4125.8	4095.7	4176.5	4779.3	4105.3
45°	4142.7	4165.6	4359.7	4565.9	4702.2	4612.9	4549.0	4561.1	4570.7	5172.4	4490.0
47.5°	4301.9	4316.3	4556.3	4846.8	5101.2	5078.3	5081.9	5067.5	5062.6	5667.9	4998.7
50°	4494.8	4528.5	4804.6	5151.9	5499.1	5651.0	5701.7	5707.7	5629.3	6208.0	5525.6
52.5°	4904.7	4945.7	5182.0	5485.8	5933.2	6252.7	6458.8	6417.8	6297.3	6731.3	6103.2
55°	5388.2	5419.5	5647.4	5962.1	6463.6	6912.2	7401.7	7384.8	7089.4	7282.3	6578.2
57.5°	5434.0	5469.0	5822.2	6304.5	7144.9	7727.2	8242.0	8296.3	7863.4	7672.9	7002.6
60°	4919.2	4990.3	5472.6	6121.2	7405.3	8823.2	9163.2	9174.0	8431.3	8069.6	7521.0
62.5°	3942.6	3976.3	4462.2	5308.6	7003.8	9462.2	10570.2	10341.1	9160.8	8683.3	8342.1
65°	2066.5	2204.0	2627.2	3564.0	5680.0	9239.1	12263.0	12200.3	10472.5	9562.2	8981.1
67.5°	1417.9	1416.7	1516.7	1858.0	3386.8	7955.1	13093.7	13783.3	11989.3	9863.7	8518.1
70°	1079.1	1082.7	1171.9	1393.8	1754.3	5295.3	12182.2	13361.3	12271.4	8955.8	6889.3
72.5°	716.2	723.4	871.7	1126.1	1401.0	2595.8	9467.0	10690.8	10325.4	7193.1	4849.2
75°	428.0	434.0	540.1	818.7	1245.5	1452.8	6015.1	7390.8	7107.5	4957.8	2599.4
77.5°	176.0	180.9	277.3	510.0	911.5	1128.5	3326.5	4836.0	4257.3	1971.3	710.1
80°	73.5	76.0	133.8	356.9	657.1	707.7	1540.9	2272.7	1744.6	424.4	217.0
82.5°	26.5	27.7	49.4	196.5	408.7	532.9	777.7	898.2	491.9	138.7	117.0
85°	1.2	1.2	12.1	66.3	155.5	150.7	444.9	430.4	162.8	57.9	69.9
87.5°	0.0	0.0	1.2	1.2	2.4	6.0	42.2	74.8	35.0	14.5	30.1
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: P641940

CATALOG NUMBER: GWS-SA6B-830-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3	3929.3
2.5°	3904.0	3840.1	3770.2	3705.1	3601.4	3539.9	3463.9	3430.2	3381.9	3369.9	3377.1
5°	3824.4	3714.7	3547.1	3395.2	3198.7	3040.7	2881.6	2814.1	2727.2	2669.4	2645.3
7.5°	3712.3	3568.8	3307.2	3031.1	2761.0	2472.8	2253.4	2108.7	1977.3	1905.0	1890.5
10°	3599.0	3412.1	3037.1	2641.6	2223.3	1878.4	1581.9	1362.4	1184.0	1103.2	1040.5
12.5°	3482.0	3249.3	2762.2	2246.2	1760.3	1290.1	923.6	710.1	582.3	531.7	540.1
15°	3374.7	3092.6	2489.7	1850.7	1239.4	778.9	510.0	430.4	400.3	390.6	389.4
17.5°	3272.2	2944.3	2218.5	1466.1	817.5	477.4	390.6	371.3	362.9	358.1	358.1
20°	3179.4	2802.0	1953.2	1104.4	528.1	378.6	353.3	343.6	336.4	332.8	332.8
22.5°	3092.6	2664.6	1694.0	781.3	389.4	340.0	324.3	314.7	306.2	301.4	301.4
25°	3014.2	2540.4	1446.8	537.7	335.2	311.1	294.2	283.3	268.9	260.4	260.4
27.5°	2957.5	2429.4	1209.3	391.8	302.6	279.7	260.4	246.0	230.3	220.6	218.2
30°	2923.8	2335.4	969.4	321.9	272.5	249.6	227.9	209.8	191.7	182.1	180.9
32.5°	2904.5	2248.6	749.9	280.9	247.2	220.6	196.5	177.2	159.1	148.3	147.1
35°	2911.7	2181.1	561.8	253.2	223.1	195.3	168.8	149.5	133.8	124.2	121.8
37.5°	2974.4	2150.9	422.0	231.5	202.6	173.6	145.9	127.8	113.3	106.1	104.9
40°	3096.2	2157.0	331.6	214.6	185.7	151.9	125.4	108.5	97.7	91.6	90.4
42.5°	3285.5	2207.6	273.7	200.1	167.6	132.6	108.5	95.2	84.4	78.4	77.2
45°	3567.6	2312.5	238.7	183.3	148.3	114.5	94.0	82.0	72.3	65.1	63.9
47.5°	3976.3	2494.6	215.8	167.6	131.4	98.9	80.8	68.7	60.3	54.3	53.0
50°	4411.6	2712.8	196.5	151.9	117.0	85.6	68.7	56.7	49.4	43.4	42.2
52.5°	4875.8	2947.9	182.1	137.4	103.7	73.5	57.9	47.0	39.8	33.8	32.6
55°	5321.9	3184.2	165.2	127.8	88.0	62.7	48.2	38.6	31.3	26.5	26.5
57.5°	5755.9	3401.2	147.1	112.1	72.3	53.0	39.8	31.3	25.3	21.7	20.5
60°	6274.4	3701.4	126.6	95.2	60.3	44.6	32.6	25.3	20.5	16.9	16.9
62.5°	7044.8	4013.7	108.5	79.6	50.6	37.4	26.5	20.5	16.9	14.5	13.3
65°	7296.8	3844.9	91.6	65.1	41.0	30.1	21.7	18.1	14.5	13.3	12.1
67.5°	6624.0	3151.6	76.0	53.0	33.8	25.3	19.3	15.7	13.3	12.1	10.9
70°	5168.7	2236.5	59.1	39.8	27.7	20.5	16.9	14.5	12.1	10.9	10.9
72.5°	3515.8	1322.6	47.0	30.1	22.9	18.1	14.5	13.3	12.1	10.9	9.6
75°	1731.4	470.2	36.2	22.9	18.1	15.7	13.3	12.1	10.9	9.6	9.6
77.5°	466.6	130.2	27.7	18.1	14.5	12.1	12.1	12.1	10.9	8.4	8.4
80°	157.9	54.3	20.5	13.3	12.1	9.6	8.4	10.9	9.6	8.4	7.2
82.5°	86.8	26.5	14.5	10.9	8.4	7.2	7.2	7.2	7.2	6.0	6.0
85°	55.5	14.5	9.6	8.4	8.4	6.0	4.8	4.8	3.6	3.6	3.6
87.5°	25.3	8.4	8.4	7.2	7.2	6.0	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)