

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: P635997

Luminaire Tested: GWS-SA3E-830-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-830-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17167.4 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

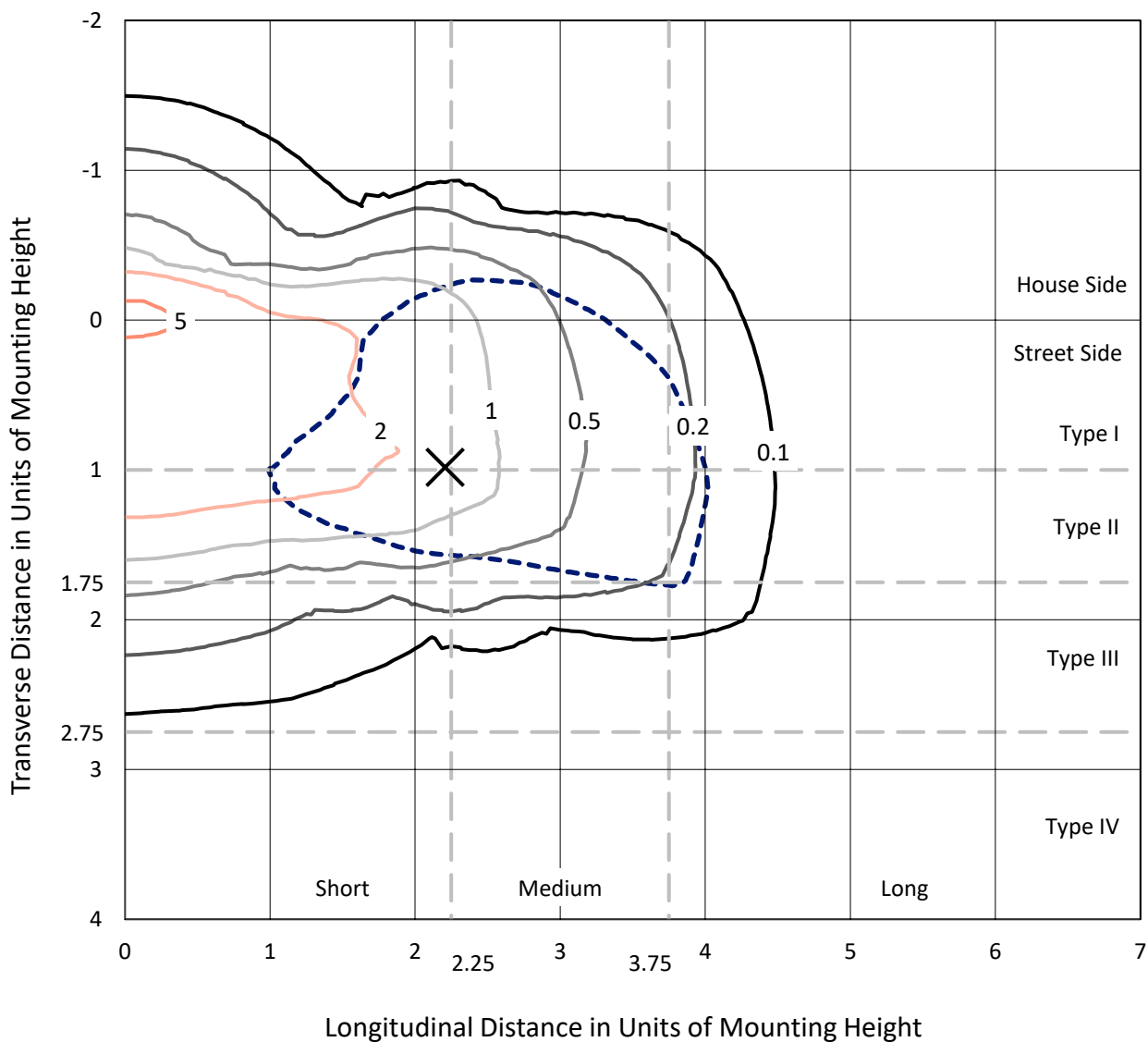
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635997
 CATALOG NUMBER: GWS-SA3E-830-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

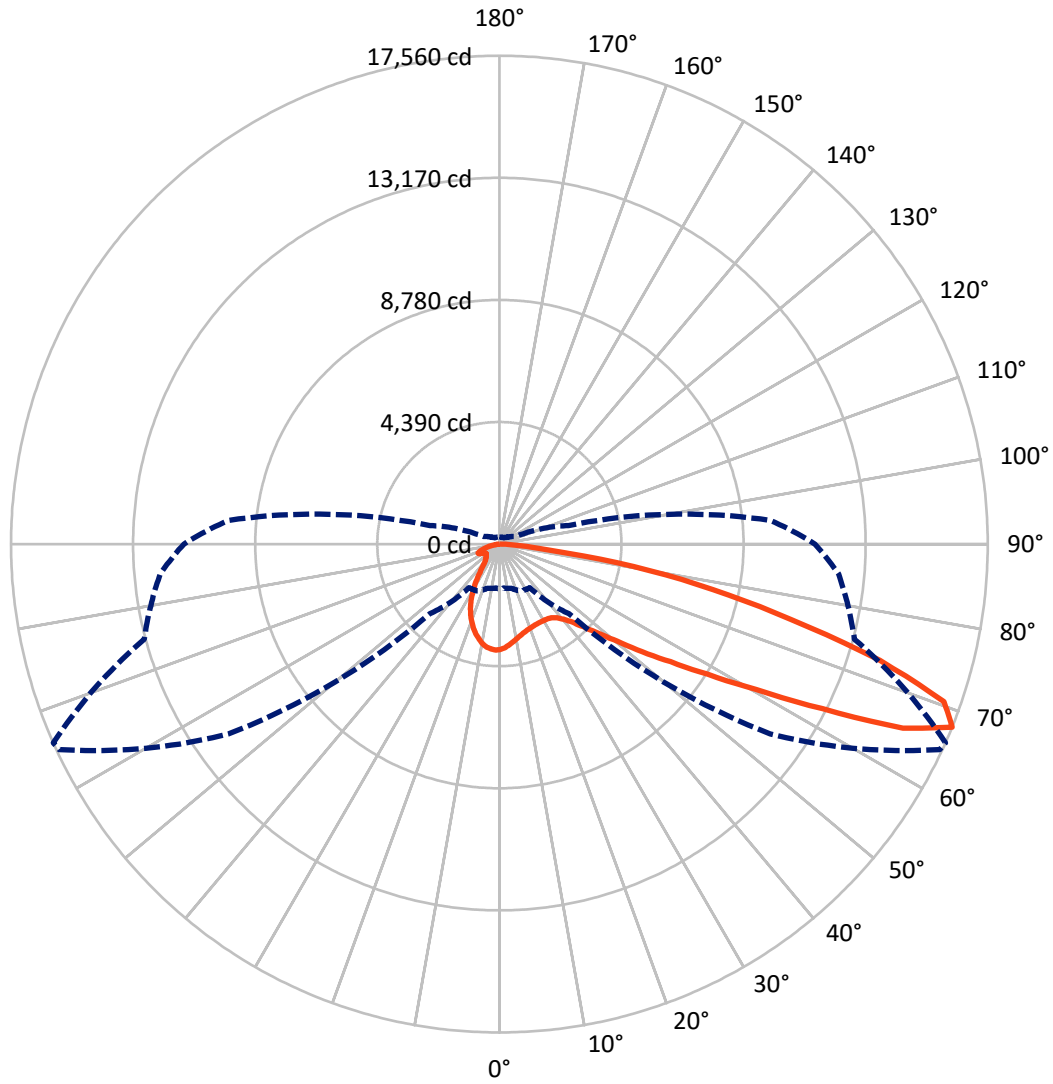
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - N/A

REPORT NUMBER: P635997
CATALOG NUMBER: GWS-SA3E-830-U-SL2-W

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P635997

CATALOG NUMBER: GWS-SA3E-830-U-SL2-W

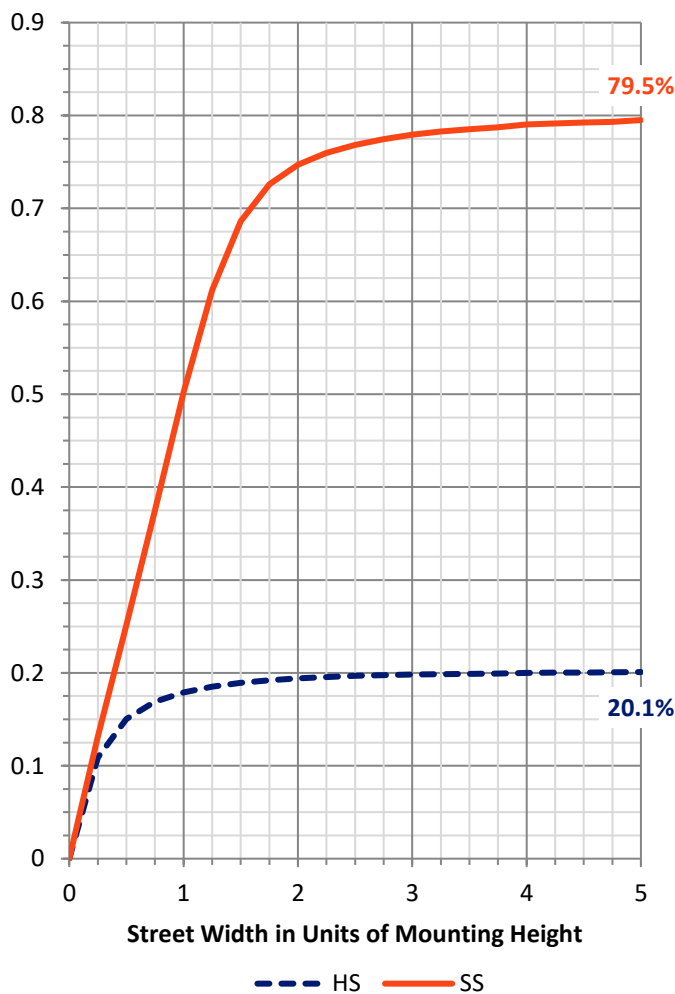
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3483.7	0.0	3483.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	13683.7	0.0	13683.7
	% Fixture	79.7	0.0	79.7
Total	Lumens	17167.4	0.0	17167.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.9	1.9
10°-20°	818.2	4.8
20°-30°	1124.7	6.6
30°-40°	1537.6	9.0
40°-50°	2329.8	13.6
50°-60°	3621.8	21.1
60°-70°	4409.5	25.7
70°-80°	2686.0	15.6
80°-90°	306.8	1.8
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°	17167.4	100.0
0°-180°	17167.4	100.0

Coefficient of Utilization



REPORT NUMBER: P635997

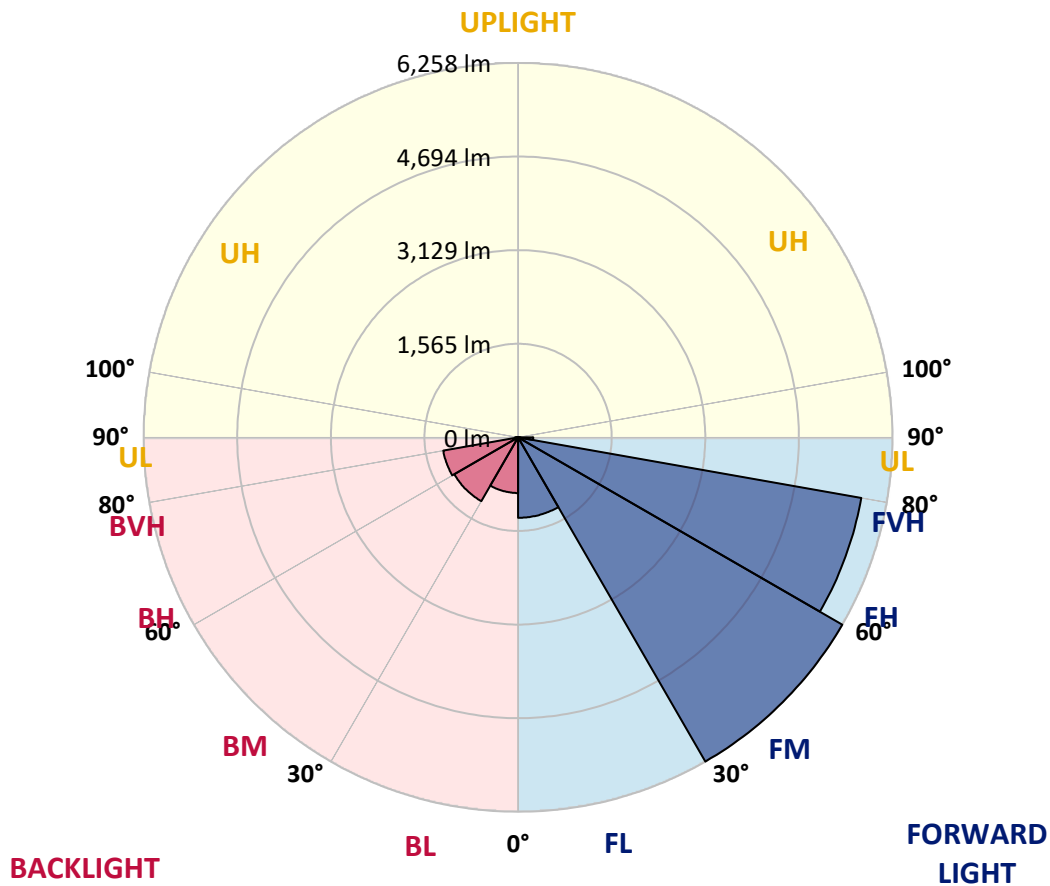
CATALOG NUMBER: GWS-SA3E-830-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1345.1	7.8			
FM (30°-60°)	6258.2	36.5			
FH (60°-80°)	5825.3	33.9			G3/7500
FVH (80°-90°)	255.1	1.5			G3/500
BL (0°-30°)	930.6	5.4	B2/1000		
BM (30°-60°)	1231.1	7.2	B2/2500		
BH (60°-80°)	1270.2	7.4	B3/2500		G3/2500
BVH (80°-90°)	51.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P635997
 CATALOG NUMBER: GWS-SA3E-830-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3793.5	3793.5	3793.5	3793.5	3793.5	3793.5	3793.5	3793.5	3793.5	3793.5	3793.5
2.5°	3553.0	3565.6	3558.1	3605.6	3608.2	3668.3	3702.1	3730.9	3733.4	3771.0	3796.0
5°	3310.1	3317.6	3317.6	3362.7	3392.7	3472.9	3550.5	3633.2	3639.5	3729.6	3798.5
7.5°	3113.5	3121.0	3116.0	3176.1	3214.9	3303.8	3402.8	3529.3	3541.8	3687.1	3807.3
10°	2959.4	2956.9	2969.4	3024.5	3074.6	3181.1	3291.3	3435.3	3454.1	3638.2	3817.3
12.5°	2854.2	2856.7	2864.2	2921.8	2975.7	3080.9	3194.9	3351.4	3371.5	3581.9	3812.3
15°	2804.1	2799.1	2805.4	2858.0	2909.3	3002.0	3119.7	3281.3	3301.3	3531.8	3813.5
17.5°	2792.8	2789.1	2787.8	2825.4	2864.2	2950.6	3063.4	3227.4	3248.7	3499.2	3821.1
20°	2827.9	2822.9	2809.1	2825.4	2841.7	2914.3	3023.3	3188.6	3212.4	3477.9	3836.1
22.5°	2924.3	2915.6	2894.3	2874.2	2853.0	2896.8	2998.2	3159.8	3183.6	3464.1	3851.1
25°	3070.9	3063.4	3040.8	2995.7	2918.1	2910.6	2993.2	3147.3	3171.1	3454.1	3857.4
27.5°	3272.5	3261.2	3238.7	3173.6	3047.1	2961.9	3012.0	3146.0	3168.6	3442.8	3851.1
30°	3511.7	3504.2	3491.7	3412.8	3243.7	3070.9	3054.6	3156.0	3173.6	3436.6	3838.6
32.5°	3754.7	3747.2	3757.2	3719.6	3511.7	3251.2	3147.3	3183.6	3196.1	3435.3	3827.3
35°	3968.8	3977.6	4050.2	4056.5	3852.4	3495.4	3293.8	3247.5	3250.0	3460.4	3832.3
37.5°	4193.0	4226.8	4322.0	4403.4	4233.1	3818.6	3511.7	3367.7	3365.2	3524.2	3863.6
40°	4489.8	4504.9	4626.4	4779.1	4672.7	4261.9	3821.1	3564.3	3546.8	3654.5	3947.6
42.5°	4779.1	4815.5	5009.6	5184.9	5149.9	4761.6	4210.6	3858.6	3827.3	3884.9	4120.4
45°	5147.3	5182.4	5400.3	5625.8	5689.6	5326.4	4709.0	4276.9	4245.6	4231.8	4437.2
47.5°	5515.6	5551.9	5747.2	6072.9	6297.0	6032.8	5357.8	4829.2	4777.9	4724.0	4915.7
50°	5763.5	5806.1	5992.7	6383.5	6909.5	6914.5	6126.7	5553.1	5488.0	5402.8	5589.4
52.5°	5754.8	5782.3	5960.2	6411.0	7350.3	7927.7	7156.2	6474.9	6422.3	6236.9	6399.7
55°	5302.6	5344.0	5523.1	6086.6	7397.9	8888.3	8669.1	7562.0	7468.0	7136.2	7315.2
57.5°	4394.7	4429.7	4610.1	5305.2	6975.8	9380.4	10590.3	8947.1	8818.1	8115.5	8322.2
60°	3317.6	3275.0	3360.2	3968.8	5966.4	9393.0	12286.0	10825.7	10610.3	9162.5	9335.4
62.5°	2489.8	2447.2	2466.0	2637.5	4045.2	8634.0	13252.9	13395.6	13039.9	10344.8	10311.0
65°	1967.5	1943.7	1997.6	2115.3	2358.3	6575.1	13260.4	16174.7	15950.5	11714.9	11311.6
67.5°	1603.1	1588.0	1643.1	1861.1	1912.4	3533.0	11890.2	17472.2	17559.8	13215.3	12239.7
70°	1291.2	1268.7	1355.1	1641.9	1778.4	2137.8	8517.5	16810.9	16952.4	14109.5	11977.9
72.5°	891.7	893.0	936.8	1330.0	1717.0	1846.0	4818.0	13998.0	14304.9	13299.2	10530.1
75°	601.2	606.2	618.7	877.9	1581.8	1790.9	2567.4	10597.8	10814.4	10992.3	8704.2
77.5°	363.2	365.7	394.5	531.0	1090.8	1671.9	1739.6	7682.2	7852.5	7246.4	5395.3
80°	210.4	219.2	245.5	355.7	736.4	1256.2	1346.3	4710.3	4903.1	3221.2	1714.5
82.5°	92.7	98.9	134.0	206.6	429.6	1068.3	1050.8	1861.1	1833.5	898.0	594.9
85°	16.3	20.0	28.8	65.1	157.8	563.6	815.3	821.6	772.7	340.7	246.7
87.5°	0.0	0.0	0.0	0.0	0.0	3.8	122.7	220.4	219.2	96.4	85.2
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: P635997
 CATALOG NUMBER: GWS-SA3E-830-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3793.5	3793.5	3793.5	3793.5	3793.5	3793.5	3793.5	3793.5	3793.5	3793.5	3793.5
2.5°	3812.3	3778.5	3808.5	3812.3	3806.0	3801.0	3763.5	3730.9	3727.1	3692.1	3692.1
5°	3826.1	3794.8	3809.8	3781.0	3735.9	3689.6	3609.4	3554.3	3529.3	3484.2	3484.2
7.5°	3844.9	3812.3	3794.8	3723.4	3618.2	3516.7	3387.7	3280.0	3236.2	3172.3	3169.8
10°	3862.4	3821.1	3760.9	3621.9	3454.1	3292.5	3104.7	2951.9	2847.9	2771.6	2771.6
12.5°	3861.1	3807.3	3688.3	3482.9	3251.2	3017.0	2766.5	2536.1	2398.3	2279.4	2271.8
15°	3858.6	3784.7	3595.6	3321.4	3014.5	2690.1	2349.5	2048.9	1844.8	1728.3	1718.3
17.5°	3856.1	3755.9	3491.7	3137.3	2726.5	2284.4	1834.8	1509.1	1338.8	1267.4	1269.9
20°	3856.1	3723.4	3380.2	2925.6	2394.6	1798.4	1346.3	1109.6	1067.0	1070.8	1074.6
22.5°	3844.9	3683.3	3256.2	2695.2	2025.1	1322.5	993.2	913.0	935.5	970.6	975.6
25°	3818.6	3616.9	3112.2	2439.7	1585.5	963.1	810.3	795.3	836.6	880.4	893.0
27.5°	3777.2	3540.5	2950.6	2140.3	1167.2	774.0	712.6	711.4	743.9	776.5	787.8
30°	3733.4	3455.4	2780.3	1807.2	845.4	673.8	650.0	650.0	666.3	686.3	683.8
32.5°	3682.0	3368.9	2597.5	1460.3	688.8	617.4	609.9	606.2	608.7	616.2	616.2
35°	3638.2	3292.5	2409.6	1093.3	617.4	586.1	578.6	569.8	566.1	561.1	563.6
37.5°	3621.9	3232.4	2215.5	824.1	582.4	563.6	551.1	538.5	529.8	527.3	526.0
40°	3648.2	3207.4	2021.4	678.8	557.3	539.8	526.0	509.7	502.2	502.2	502.2
42.5°	3750.9	3226.2	1823.5	613.7	539.8	519.7	499.7	484.7	482.2	484.7	485.9
45°	3938.8	3298.8	1618.1	581.1	524.8	499.7	475.9	464.6	464.6	467.1	467.1
47.5°	4274.4	3489.2	1415.2	561.1	509.7	483.4	458.4	447.1	445.9	448.4	448.4
50°	4855.5	3832.3	1232.4	547.3	498.5	470.9	445.9	430.8	427.1	425.8	425.8
52.5°	5588.2	4427.2	1115.9	537.3	484.7	457.1	432.1	412.0	404.5	400.8	400.8
55°	6473.6	5220.0	1115.9	529.8	467.1	440.8	412.0	392.0	380.7	375.7	375.7
57.5°	7476.8	6143.0	1308.8	523.5	453.4	422.1	390.7	370.7	358.2	350.7	350.7
60°	8497.5	7118.6	1785.9	514.7	440.8	398.3	367.0	348.2	331.9	323.1	321.9
62.5°	9555.8	8193.2	2414.6	519.7	432.1	375.7	341.9	320.6	306.8	298.1	296.8
65°	10525.1	9216.4	2964.4	558.6	433.3	355.7	313.1	294.3	283.0	271.8	270.5
67.5°	11348.0	9781.2	2578.7	637.5	459.6	331.9	284.3	265.5	255.5	248.0	246.7
70°	10771.9	8919.6	1462.8	686.3	495.9	306.8	251.7	239.2	229.2	224.2	222.9
72.5°	9211.4	7551.9	978.1	606.2	452.1	274.3	221.7	211.7	204.1	197.9	196.6
75°	7461.8	5989.0	747.7	497.2	351.9	222.9	190.4	182.8	175.3	169.1	167.8
77.5°	4414.7	3460.4	551.1	393.3	248.0	174.1	157.8	151.5	144.0	139.0	137.8
80°	1408.9	1202.3	349.4	270.5	164.1	134.0	121.5	116.5	109.0	102.7	101.4
82.5°	537.3	464.6	185.4	137.8	109.0	91.4	81.4	76.4	71.4	65.1	63.9
85°	238.0	222.9	102.7	73.9	58.9	45.1	40.1	37.6	31.3	26.3	25.0
87.5°	83.9	83.9	43.8	21.3	12.5	6.3	3.8	1.3	0.0	0.0	0.0
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)