

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: P641934

Luminaire Tested: GWS-SA6B-830-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641934  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-830-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

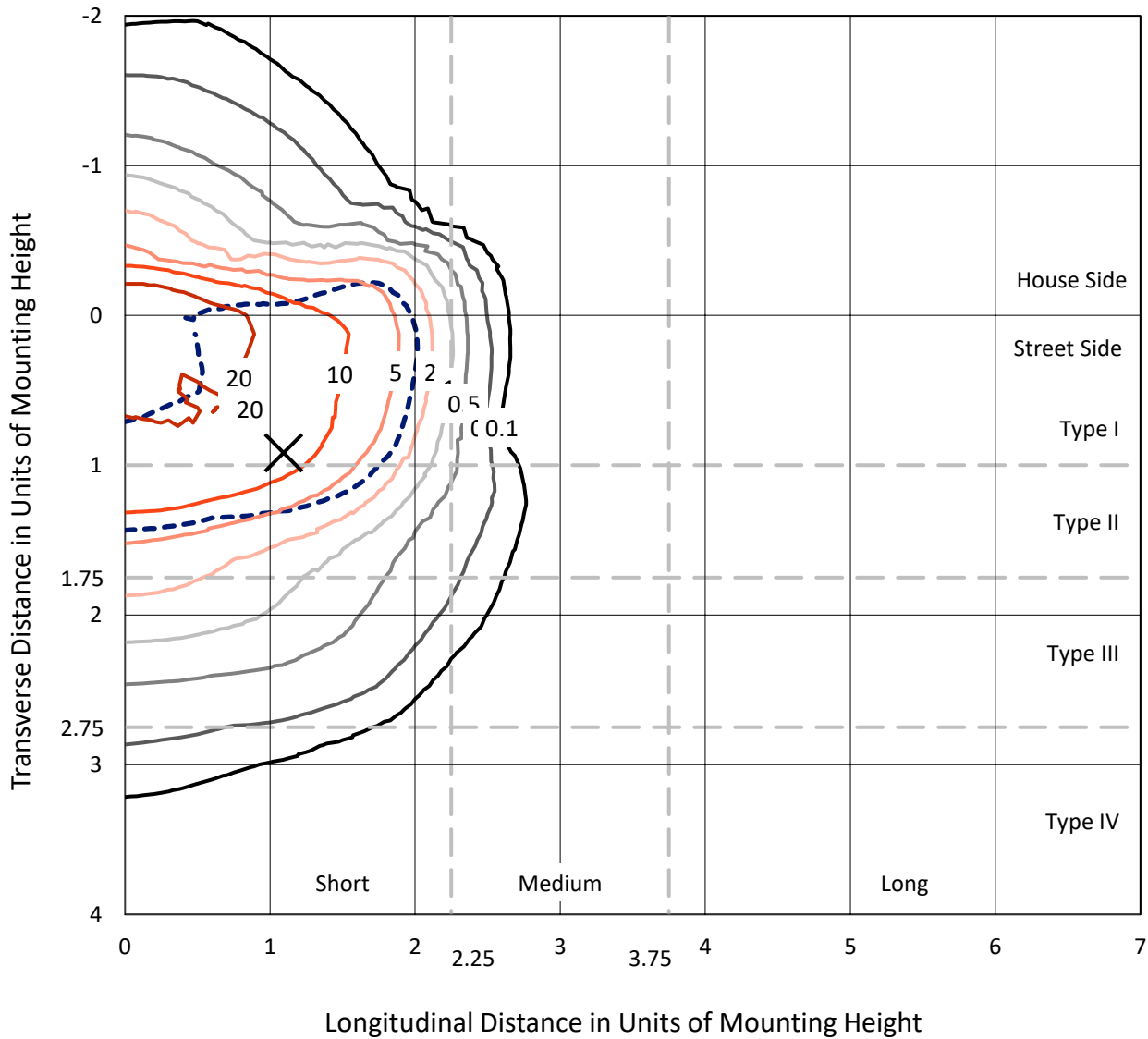
Lumens per Lamp: N/A  
Luminaire Lumens: 9876.1 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

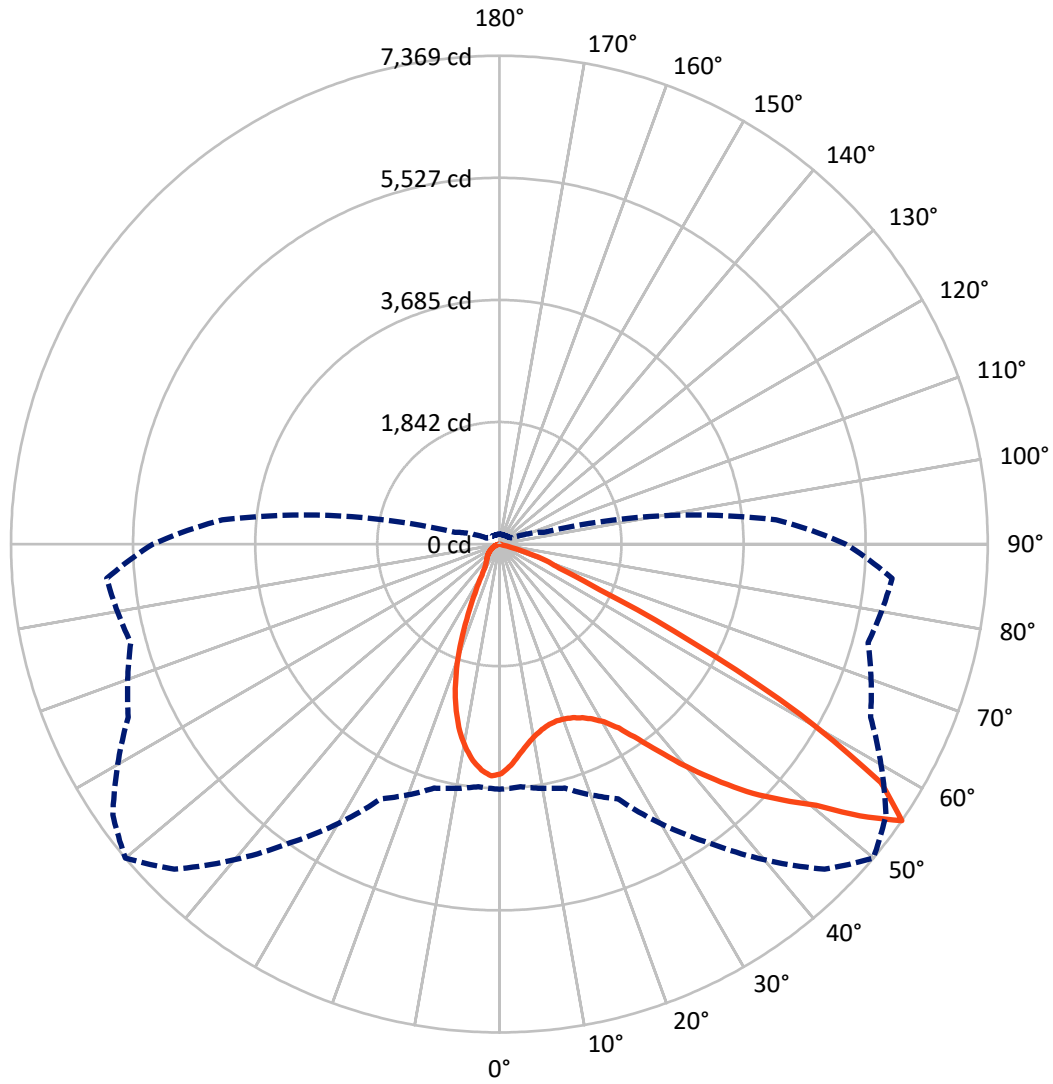
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 34.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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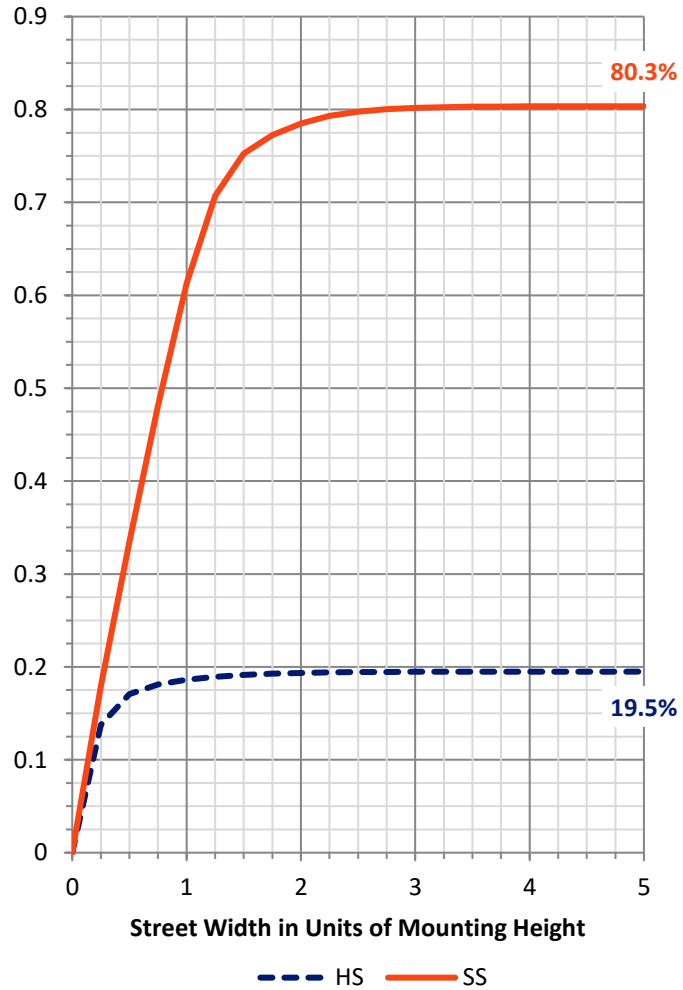
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1946.1	0.0	1946.1
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	7930.0	0.0	7930.0
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	9876.1	0.0	9876.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	304.3	3.1
10°-20°	748.8	7.6
20°-30°	1056.3	10.7
30°-40°	1563.1	15.8
40°-50°	2255.0	22.8
50°-60°	2660.0	26.9
60°-70°	1186.6	12.0
70°-80°	102.0	1.0
80°-90°	0.0	0.0
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°	9876.1	100.0
0°-180°	9876.1	100.0

**Coefficient of Utilization**



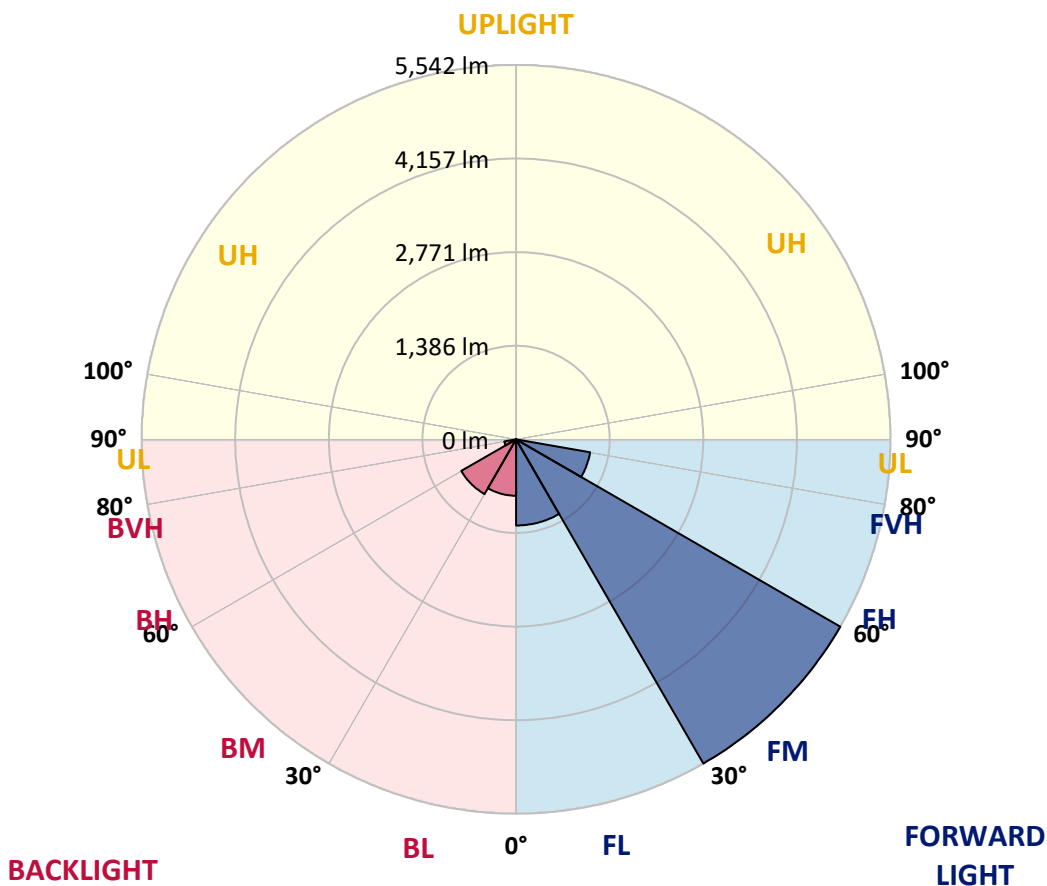
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1275.0	12.9			
FM (30°-60°)	5542.1	56.1			
FH (60°-80°)	1112.9	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	834.4	8.4	B2/1000		
BM (30°-60°)	935.9	9.5	B1/1000		
BH (60°-80°)	175.7	1.8	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1
2.5°	3219.1	3221.5	3222.7	3255.3	3267.4	3315.6	3340.9	3354.2	3389.1	3430.1	3463.9
5°	3003.3	2999.7	3005.7	3046.7	3073.2	3144.4	3183.0	3209.5	3286.6	3383.1	3463.9
7.5°	2815.2	2822.5	2829.7	2874.3	2914.1	2991.3	3046.7	3086.5	3193.8	3337.3	3473.5
10°	2682.6	2682.6	2693.5	2744.1	2791.1	2886.4	2941.8	2992.5	3120.3	3296.3	3484.4
12.5°	2584.9	2586.2	2599.4	2657.3	2711.5	2810.4	2868.3	2917.7	3058.8	3255.3	3486.8
15°	2539.1	2535.5	2546.4	2607.9	2668.1	2761.0	2821.3	2869.5	3015.4	3232.4	3498.8
17.5°	2527.1	2524.7	2533.1	2593.4	2654.9	2745.3	2804.4	2852.6	3009.3	3239.6	3535.0
20°	2562.0	2557.2	2553.6	2605.4	2663.3	2752.5	2814.0	2868.3	3038.3	3279.4	3590.5
22.5°	2645.2	2645.2	2636.8	2662.1	2700.7	2781.5	2845.4	2916.5	3114.2	3359.0	3672.5
25°	2798.4	2786.3	2770.6	2781.5	2776.6	2827.3	2903.2	3002.1	3257.7	3490.4	3772.5
27.5°	2973.2	2984.0	2957.5	2958.7	2916.5	2898.4	2986.4	3135.9	3471.1	3676.1	3920.8
30°	3210.7	3202.2	3203.5	3199.8	3102.2	3016.6	3111.8	3310.8	3740.0	3959.4	4113.7
32.5°	3396.4	3408.4	3448.2	3471.1	3343.3	3205.9	3307.1	3548.3	4046.2	4282.5	4350.0
35°	3592.9	3614.6	3695.4	3770.1	3662.8	3504.9	3613.4	3863.0	4334.4	4602.0	4621.3
37.5°	3800.3	3843.7	3940.1	4071.5	4054.7	3914.8	4013.7	4233.1	4561.0	4794.9	4845.6
40°	4037.8	4080.0	4237.9	4427.2	4467.0	4435.6	4468.2	4596.0	4710.5	4803.4	4942.0
42.5°	4298.2	4356.1	4556.2	4809.4	4958.9	4986.6	4910.7	4897.4	4775.6	4706.9	4921.5
45°	4605.6	4673.2	4899.8	5227.8	5465.3	5502.7	5371.2	5201.2	4816.6	4635.8	4860.0
47.5°	4950.5	5014.4	5239.8	5634.1	5987.3	6001.8	5772.7	5499.0	4938.4	4717.8	4907.1
50°	5066.2	5106.0	5301.3	5764.3	6415.4	6526.3	6194.7	5834.2	5183.2	4958.9	5136.1
52.5°	4668.3	4684.0	4854.0	5321.8	6328.5	7041.1	6810.8	6334.6	5618.4	5326.6	5489.4
55°	3699.0	3673.7	3811.1	4240.3	5500.2	6936.2	7369.0	7120.7	6179.0	5758.3	5948.8
57.5°	2587.4	2557.2	2525.9	2816.4	4104.1	5880.0	6790.3	7230.4	6713.2	6186.3	6444.3
60°	2126.8	2097.9	1945.9	1812.1	2481.3	4222.2	5215.7	6044.0	6669.7	6164.6	6428.6
62.5°	1837.4	1820.6	1759.1	1577.0	1460.1	2410.1	3266.2	4059.5	5118.1	4840.8	4855.2
65°	1443.2	1438.4	1480.6	1499.8	1291.3	1333.5	1666.2	2109.9	2767.0	2609.1	2474.0
67.5°	986.2	975.4	1055.0	1297.3	1241.8	1052.5	975.4	983.8	1197.2	731.8	581.1
70°	626.9	601.6	602.8	804.2	1010.3	830.7	752.3	661.9	595.6	108.5	123.0
72.5°	401.5	385.8	331.6	362.9	467.8	405.1	408.7	352.1	235.1	57.9	67.5
75°	168.8	155.5	119.4	95.2	94.0	59.1	51.8	48.2	32.6	32.6	35.0
77.5°	1.2	0.0	0.0	1.2	2.4	1.2	1.2	2.4	4.8	7.2	8.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1	3465.1
2.5°	3484.4	3455.4	3488.0	3500.0	3498.8	3500.0	3465.1	3441.0	3439.8	3409.6	3395.2
5°	3497.6	3474.7	3498.8	3483.2	3445.8	3398.8	3336.1	3281.8	3257.7	3222.7	3205.9
7.5°	3523.0	3498.8	3495.2	3432.5	3339.7	3240.8	3129.9	3031.0	2978.0	2914.1	2917.7
10°	3541.0	3513.3	3466.3	3338.5	3184.2	3026.2	2861.0	2714.0	2621.1	2535.5	2521.0
12.5°	3548.3	3507.3	3397.6	3204.7	2987.6	2781.5	2539.1	2329.3	2184.7	2072.5	2056.9
15°	3561.5	3495.2	3309.6	3043.1	2745.3	2453.5	2144.9	1857.9	1666.2	1537.2	1548.1
17.5°	3582.0	3482.0	3210.7	2862.3	2484.9	2072.5	1655.4	1326.2	1150.2	1075.5	1076.7
20°	3611.0	3466.3	3102.2	2663.3	2172.6	1642.1	1157.4	909.1	859.6	857.2	853.6
22.5°	3649.6	3450.6	2986.4	2445.1	1802.5	1150.2	770.4	693.3	713.8	753.5	760.8
25°	3695.4	3431.3	2857.4	2199.1	1398.6	754.7	577.5	565.5	614.9	667.9	680.0
27.5°	3766.5	3421.7	2710.3	1919.4	981.4	541.3	472.6	479.9	524.5	569.1	579.9
30°	3887.1	3439.8	2550.0	1605.9	630.6	431.6	409.9	420.8	444.9	467.8	477.4
32.5°	4051.0	3492.8	2394.5	1263.5	449.7	375.0	370.1	376.2	385.8	399.1	402.7
35°	4242.7	3584.4	2234.1	904.2	371.3	342.4	337.6	337.6	342.4	344.8	346.0
37.5°	4400.7	3680.9	2083.4	601.6	332.8	317.1	309.9	306.2	305.0	307.4	308.7
40°	4469.4	3720.7	1919.4	437.7	305.0	294.2	283.3	272.5	272.5	280.9	282.1
42.5°	4421.2	3676.1	1730.1	361.7	285.7	270.1	253.2	243.5	248.4	256.8	259.2
45°	4318.7	3566.4	1521.6	319.5	266.5	246.0	226.7	220.6	225.5	236.3	238.7
47.5°	4301.8	3494.0	1272.0	291.8	246.0	225.5	205.0	198.9	205.0	213.4	215.8
50°	4469.4	3556.7	994.7	267.7	226.7	203.8	186.9	180.8	184.5	189.3	191.7
52.5°	4775.6	3789.4	803.0	244.8	203.8	182.1	171.2	164.0	164.0	168.8	170.0
55°	5227.8	4195.7	693.3	218.2	177.2	165.2	155.5	148.3	148.3	150.7	151.9
57.5°	5748.6	4687.6	718.6	183.3	155.5	149.5	141.1	135.0	137.4	137.4	137.4
60°	5676.3	4651.5	769.2	154.3	137.4	135.0	127.8	125.4	131.4	126.6	124.2
62.5°	4181.3	3213.1	402.7	126.6	118.2	115.7	110.9	115.7	124.2	110.9	106.1
65°	2030.3	1555.3	161.6	103.7	100.1	97.7	95.2	102.5	107.3	86.8	82.0
67.5°	477.4	388.2	104.9	88.0	83.2	78.4	80.8	82.0	78.4	59.1	56.7
70°	124.2	121.8	82.0	73.5	66.3	61.5	61.5	60.3	51.8	37.4	35.0
72.5°	67.5	66.3	59.1	55.5	45.8	41.0	42.2	37.4	28.9	21.7	20.5
75°	33.8	36.2	33.8	31.3	25.3	22.9	22.9	20.5	14.5	8.4	8.4
77.5°	7.2	8.4	8.4	7.2	6.0	4.8	4.8	6.0	2.4	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)