

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: P635171

Luminaire Tested: GWS-SA3D-730-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635171  
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-SA3D-730-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

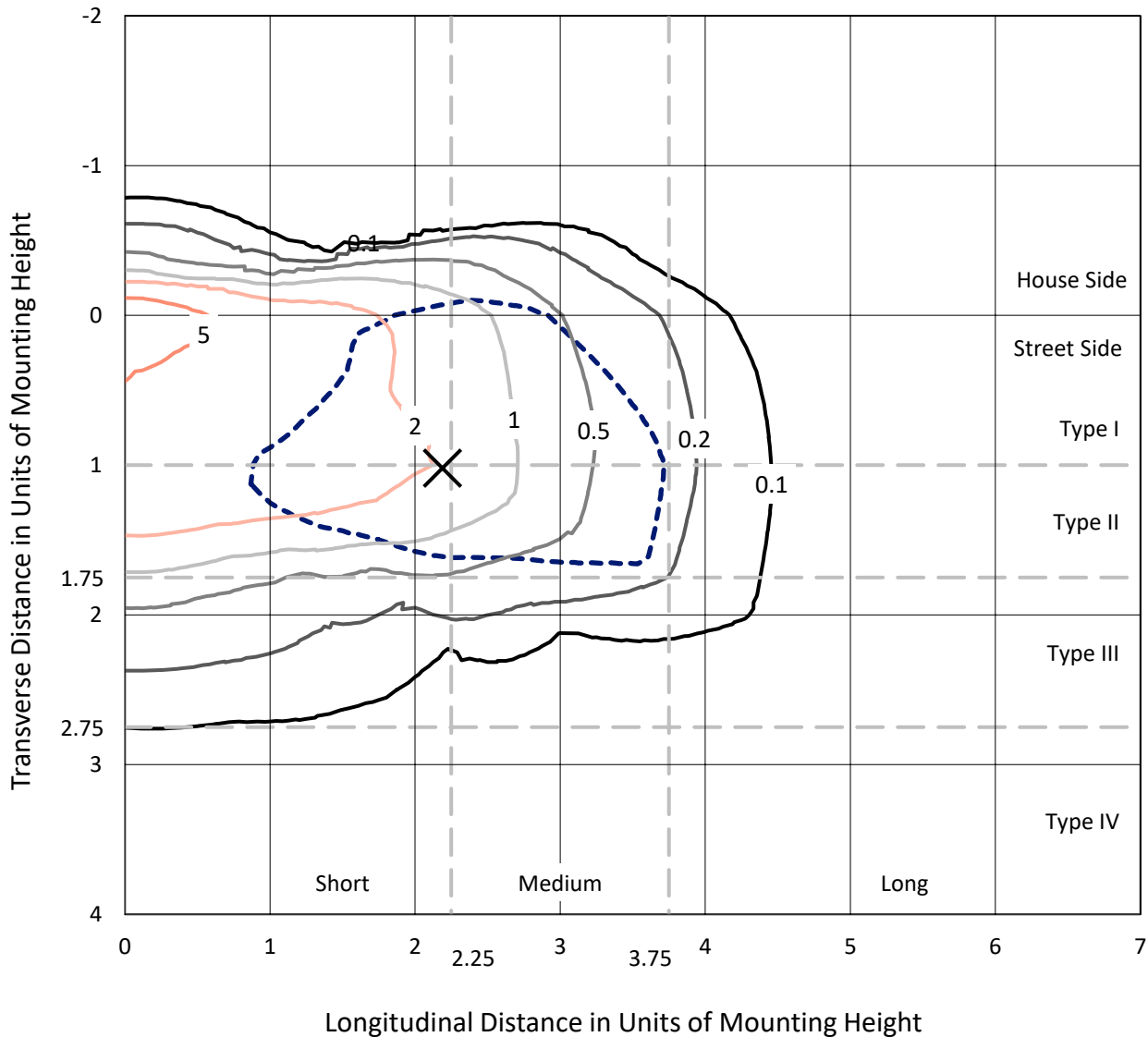
Lumens per Lamp: N/A  
Luminaire Lumens: 12703.4 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

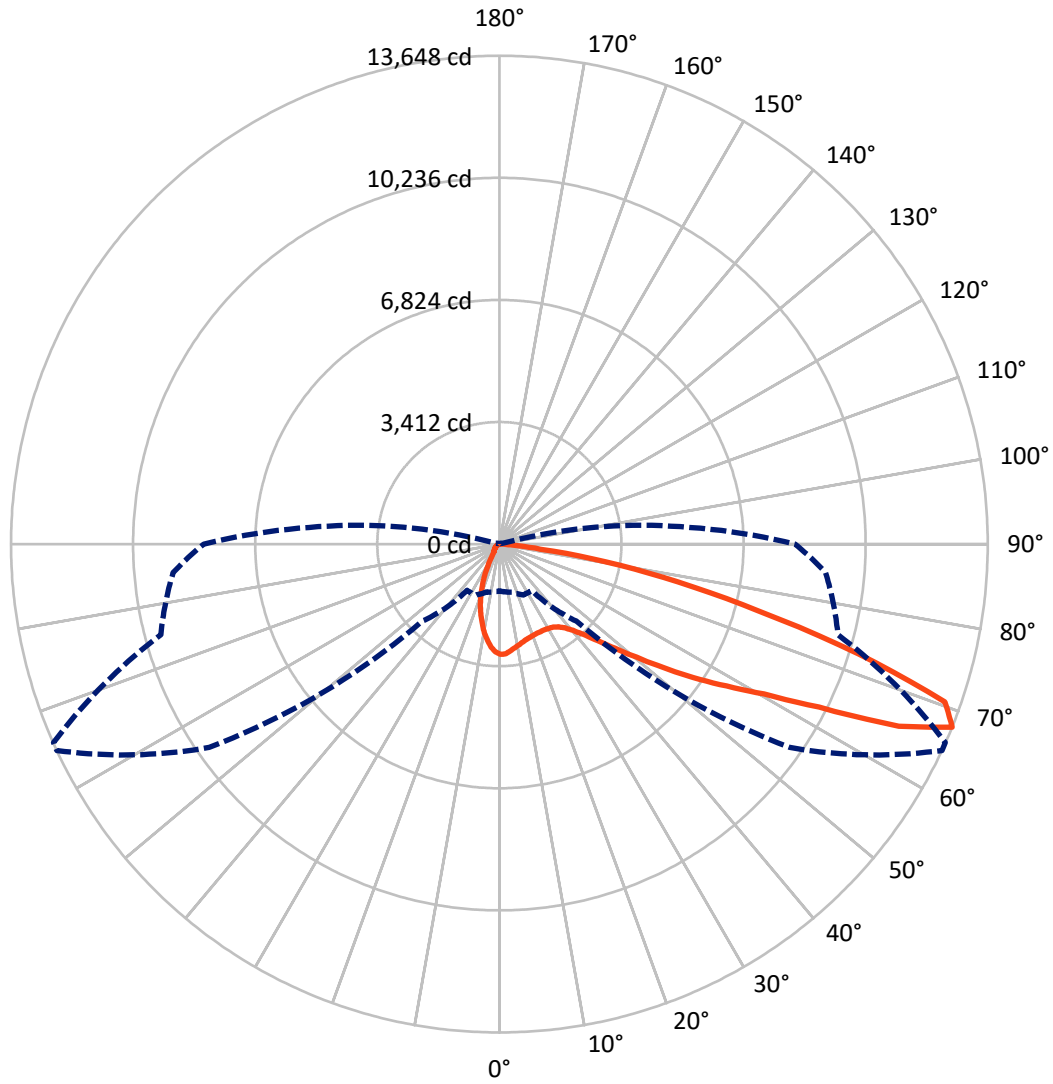
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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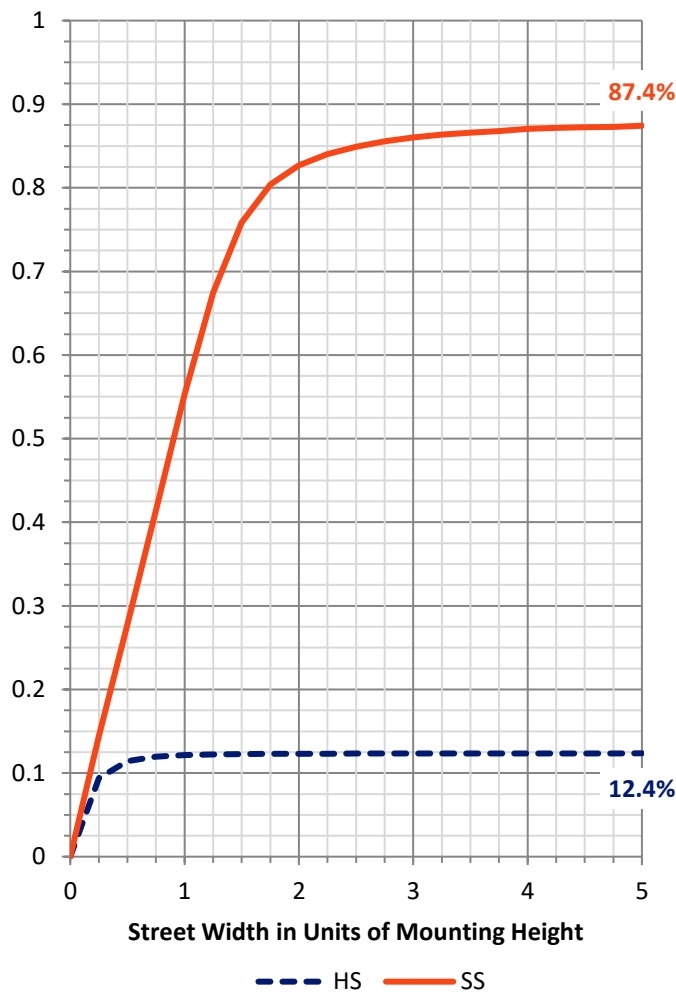
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1586.3	0.0	1586.3
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	11117.1	0.0	11117.1
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	12703.4	0.0	12703.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.9	2.0
10°-20°	575.2	4.5
20°-30°	822.0	6.5
30°-40°	1195.9	9.4
40°-50°	1872.9	14.7
50°-60°	2921.8	23.0
60°-70°	3209.5	25.3
70°-80°	1708.1	13.4
80°-90°	142.2	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°	12703.4	100.0
0°-180°	12703.4	100.0

**Coefficient of Utilization**



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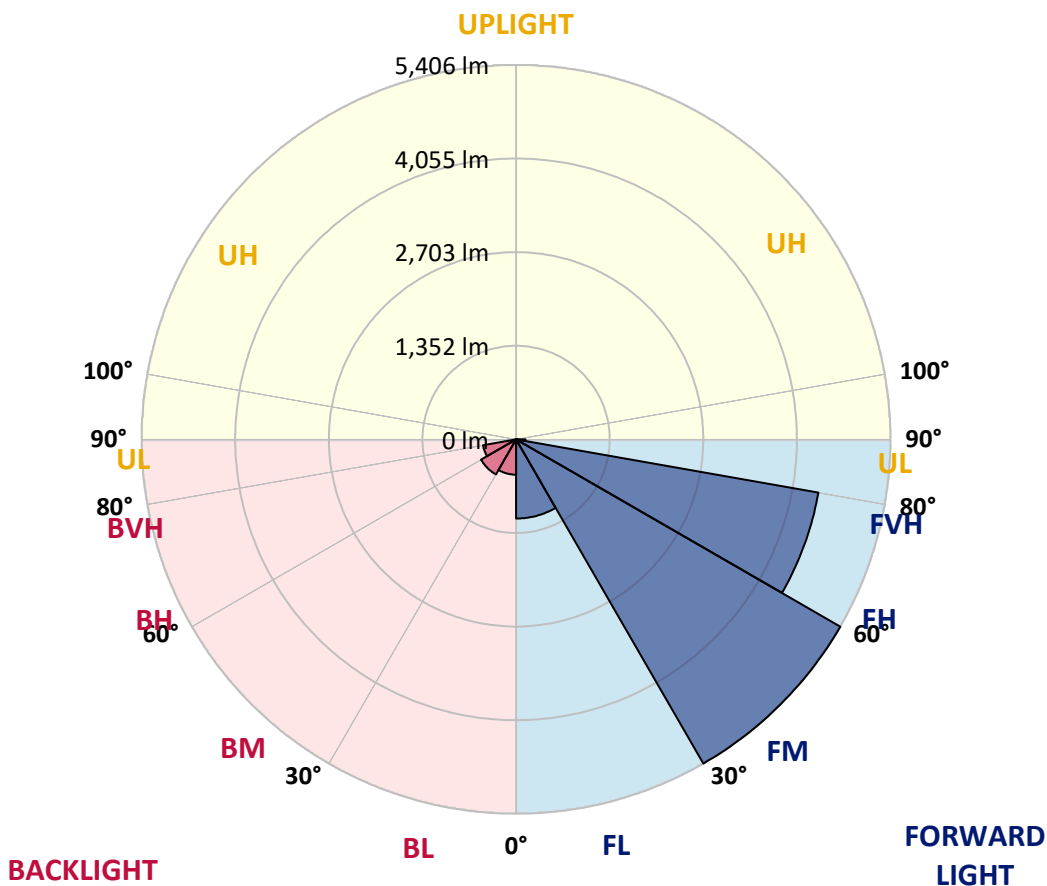
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1143.2	9.0			
FM (30°-60°)	5406.3	42.6			
FH (60°-80°)	4433.0	34.9			G2/5000
FVH (80°-90°)	134.6	1.1			G2/225
BL (0°-30°)	509.9	4.0	B2/1000		
BM (30°-60°)	584.3	4.6	B1/1000		
BH (60°-80°)	484.5	3.8	B1/500		G1/500
BVH (80°-90°)	7.6	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3081.0	3081.0	3081.0	3081.0	3081.0	3081.0	3081.0	3081.0	3081.0	3081.0	3081.0
2.5°	2974.1	2983.3	2970.7	3001.7	3007.5	3041.9	3061.4	3075.2	3074.1	3091.3	3091.3
5°	2799.5	2808.7	2801.8	2835.1	2861.6	2915.6	2960.4	3012.0	3014.3	3067.2	3086.7
7.5°	2651.3	2652.5	2652.5	2693.8	2728.3	2794.9	2861.6	2940.8	2950.0	3031.6	3083.3
10°	2529.6	2533.0	2534.2	2581.3	2619.2	2699.6	2784.6	2879.9	2890.3	3000.6	3081.0
12.5°	2445.7	2446.9	2451.5	2500.9	2542.2	2626.1	2712.2	2821.4	2835.1	2964.9	3070.6
15°	2405.5	2403.2	2405.5	2446.9	2488.2	2568.6	2657.1	2774.3	2789.2	2935.1	3071.8
17.5°	2403.2	2399.8	2397.5	2428.5	2454.9	2526.1	2615.7	2743.2	2759.3	2921.3	3084.4
20°	2436.5	2434.2	2422.7	2436.5	2442.3	2500.9	2589.3	2719.1	2735.2	2919.0	3112.0
22.5°	2523.8	2518.1	2500.9	2488.2	2457.2	2491.7	2570.9	2701.9	2720.3	2924.7	3147.6
25°	2653.6	2651.3	2629.5	2598.5	2519.2	2505.4	2572.1	2701.9	2719.1	2931.6	3185.5
27.5°	2848.9	2835.1	2807.6	2753.6	2639.9	2559.4	2595.0	2708.8	2726.0	2940.8	3216.5
30°	3047.7	3046.5	3037.3	2982.2	2813.3	2662.8	2643.3	2727.2	2743.2	2948.9	3245.2
32.5°	3253.3	3256.7	3279.7	3237.2	3052.3	2816.8	2730.6	2765.1	2776.6	2964.9	3270.5
35°	3448.6	3455.5	3516.4	3531.3	3342.9	3050.0	2873.0	2840.9	2842.0	3000.6	3303.8
37.5°	3635.8	3658.8	3756.4	3828.8	3704.8	3332.6	3078.7	2969.5	2960.4	3071.8	3354.4
40°	3848.3	3892.0	4014.9	4137.8	4098.8	3705.9	3359.0	3167.1	3147.6	3202.7	3445.1
42.5°	4083.8	4130.9	4294.1	4466.4	4484.8	4157.4	3709.3	3455.5	3422.2	3423.3	3615.1
45°	4336.6	4399.8	4589.3	4837.4	4948.9	4660.5	4141.3	3844.9	3811.6	3762.2	3888.6
47.5°	4668.6	4723.7	4906.4	5192.4	5406.1	5200.4	4707.6	4345.8	4284.9	4212.5	4313.6
50°	4954.6	5002.9	5160.2	5518.6	5963.2	5896.6	5349.8	4971.8	4913.2	4790.3	4874.2
52.5°	5017.8	5055.7	5200.4	5603.7	6389.4	6775.4	6136.7	5728.9	5687.5	5460.1	5492.2
55°	4734.0	4791.5	4921.3	5369.3	6500.8	7634.7	7157.9	6582.4	6496.2	6133.2	6190.7
57.5°	4017.2	4119.5	4241.2	4823.6	6198.7	8091.9	8584.7	7486.5	7408.4	6781.1	6782.3
60°	2944.3	3027.0	3108.5	3641.6	5481.9	8060.8	9879.3	8502.0	8359.5	7310.7	7291.2
62.5°	2141.3	2183.8	2182.6	2372.2	3764.5	7530.1	10559.4	10032.1	9700.1	7877.0	7765.6
65°	1684.1	1682.9	1732.3	1794.4	2102.2	5812.7	10643.3	12266.5	11908.0	8636.4	8404.3
67.5°	1310.7	1336.0	1385.4	1568.1	1579.5	3041.9	9905.8	13648.4	13641.5	9795.5	9152.2
70°	1010.9	1045.4	1115.4	1382.0	1458.9	1702.5	7411.8	13210.7	13322.2	10313.6	8622.6
72.5°	649.0	646.8	750.1	1116.6	1401.5	1418.7	4098.8	10493.9	10620.3	9341.7	6971.8
75°	363.0	365.3	423.9	683.5	1306.1	1334.9	2029.9	7483.0	7583.0	7283.1	5356.7
77.5°	142.4	147.0	198.7	359.6	861.6	1192.4	1206.2	5102.8	5117.7	4513.5	3285.5
80°	57.4	60.9	101.1	222.9	525.0	803.0	861.6	3006.3	2945.4	1747.3	955.8
82.5°	17.2	18.4	40.2	126.4	274.6	570.9	581.3	1153.4	1089.0	375.6	243.5
85°	1.1	1.1	9.2	39.1	97.6	143.6	387.1	375.6	333.1	94.2	108.0
87.5°	0.0	0.0	1.1	1.1	2.3	4.6	41.4	68.9	70.1	17.2	48.2
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°	3081.0	3081.0	3081.0	3081.0	3081.0	3081.0	3081.0	3081.0	3081.0	3081.0	3081.0
2.5°	3091.3	3050.0	3046.5	3014.3	2982.2	2942.0	2894.9	2860.4	2836.3	2793.8	2785.7
5°	3086.7	3031.6	2979.9	2888.0	2785.7	2675.5	2579.0	2489.4	2433.1	2395.2	2379.1
7.5°	3077.5	3007.5	2888.0	2714.5	2543.4	2350.4	2199.9	2062.0	1967.8	1912.7	1888.6
10°	3070.6	2976.4	2782.3	2519.2	2253.9	1987.4	1758.8	1554.3	1440.5	1350.9	1336.0
12.5°	3056.9	2931.6	2646.7	2290.6	1948.3	1594.5	1302.7	1052.3	878.8	800.7	773.1
15°	3043.1	2884.5	2511.2	2049.4	1615.2	1178.6	824.8	583.6	464.1	427.3	425.0
17.5°	3040.8	2842.0	2364.1	1820.8	1265.9	772.0	469.8	377.9	352.7	343.5	343.5
20°	3047.7	2806.4	2219.4	1557.7	922.5	469.8	350.4	327.4	312.5	304.4	304.4
22.5°	3054.6	2769.7	2080.4	1292.4	612.3	343.5	309.0	289.5	272.3	263.1	258.5
25°	3059.1	2729.5	1926.5	1025.8	399.8	298.7	271.1	245.8	225.2	213.7	213.7
27.5°	3058.0	2681.2	1771.4	765.1	310.2	265.4	232.0	205.6	185.0	172.3	173.5
30°	3048.8	2628.4	1610.6	534.2	271.1	232.0	198.7	171.2	150.5	140.1	139.0
32.5°	3041.9	2572.1	1424.5	375.6	243.5	203.3	168.9	142.4	125.2	117.2	116.0
35°	3033.9	2516.9	1247.6	286.0	219.4	175.8	142.4	120.6	106.8	99.9	99.9
37.5°	3036.2	2459.5	1055.7	245.8	195.3	152.8	121.8	103.4	91.9	85.0	83.9
40°	3071.8	2425.0	867.3	222.9	173.5	132.1	105.7	89.6	78.1	71.2	70.1
42.5°	3160.2	2426.2	687.0	205.6	153.9	112.6	91.9	77.0	66.6	58.6	57.4
45°	3337.1	2474.4	527.3	187.2	133.3	97.6	79.3	65.5	55.1	48.2	47.1
47.5°	3626.6	2618.0	399.8	171.2	116.0	85.0	67.8	55.1	46.0	40.2	39.1
50°	4087.3	2877.6	314.8	151.6	97.6	73.5	57.4	46.0	37.9	32.2	31.0
52.5°	4641.0	3267.1	270.0	134.4	83.9	64.3	49.4	37.9	31.0	26.4	25.3
55°	5277.4	3732.3	249.3	117.2	71.2	55.1	40.2	31.0	25.3	21.8	19.5
57.5°	5861.0	4151.6	248.1	99.9	60.9	47.1	33.3	26.4	21.8	17.2	16.1
60°	6429.6	4502.0	233.2	82.7	52.8	39.1	28.7	21.8	18.4	14.9	13.8
62.5°	6945.4	4786.9	195.3	66.6	44.8	32.2	24.1	19.5	16.1	12.6	12.6
65°	7593.3	5149.9	149.3	54.0	36.8	26.4	20.7	17.2	14.9	11.5	11.5
67.5°	8263.0	5341.7	106.8	44.8	29.9	23.0	18.4	16.1	12.6	10.3	10.3
70°	7484.2	4513.5	77.0	36.8	25.3	19.5	16.1	14.9	12.6	10.3	9.2
72.5°	5844.9	3254.4	57.4	28.7	21.8	18.4	14.9	13.8	11.5	9.2	9.2
75°	4334.3	1897.8	43.7	23.0	17.2	14.9	14.9	13.8	11.5	9.2	8.0
77.5°	2356.1	661.7	33.3	18.4	13.8	11.5	12.6	12.6	10.3	8.0	6.9
80°	623.8	181.5	23.0	13.8	11.5	9.2	9.2	11.5	9.2	6.9	6.9
82.5°	181.5	52.8	16.1	11.5	9.2	8.0	8.0	8.0	6.9	5.7	4.6
85°	88.5	19.5	11.5	9.2	8.0	6.9	5.7	5.7	4.6	3.4	3.4
87.5°	39.1	8.0	9.2	8.0	8.0	5.7	4.6	3.4	3.4	2.3	1.1
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)