

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P382968

Luminaire Tested: **GAN-SA3B-735-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-735-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13460.9 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

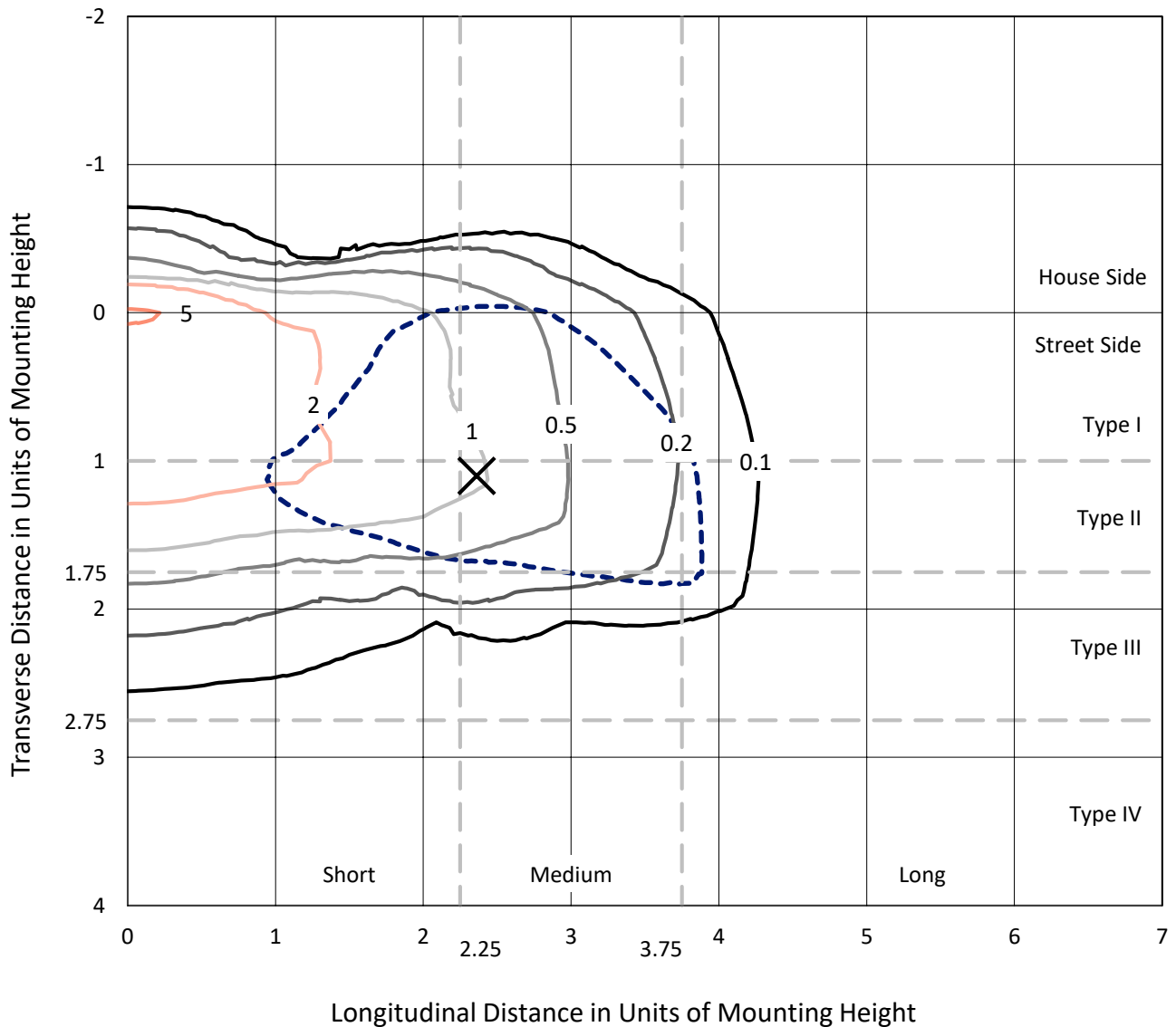
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

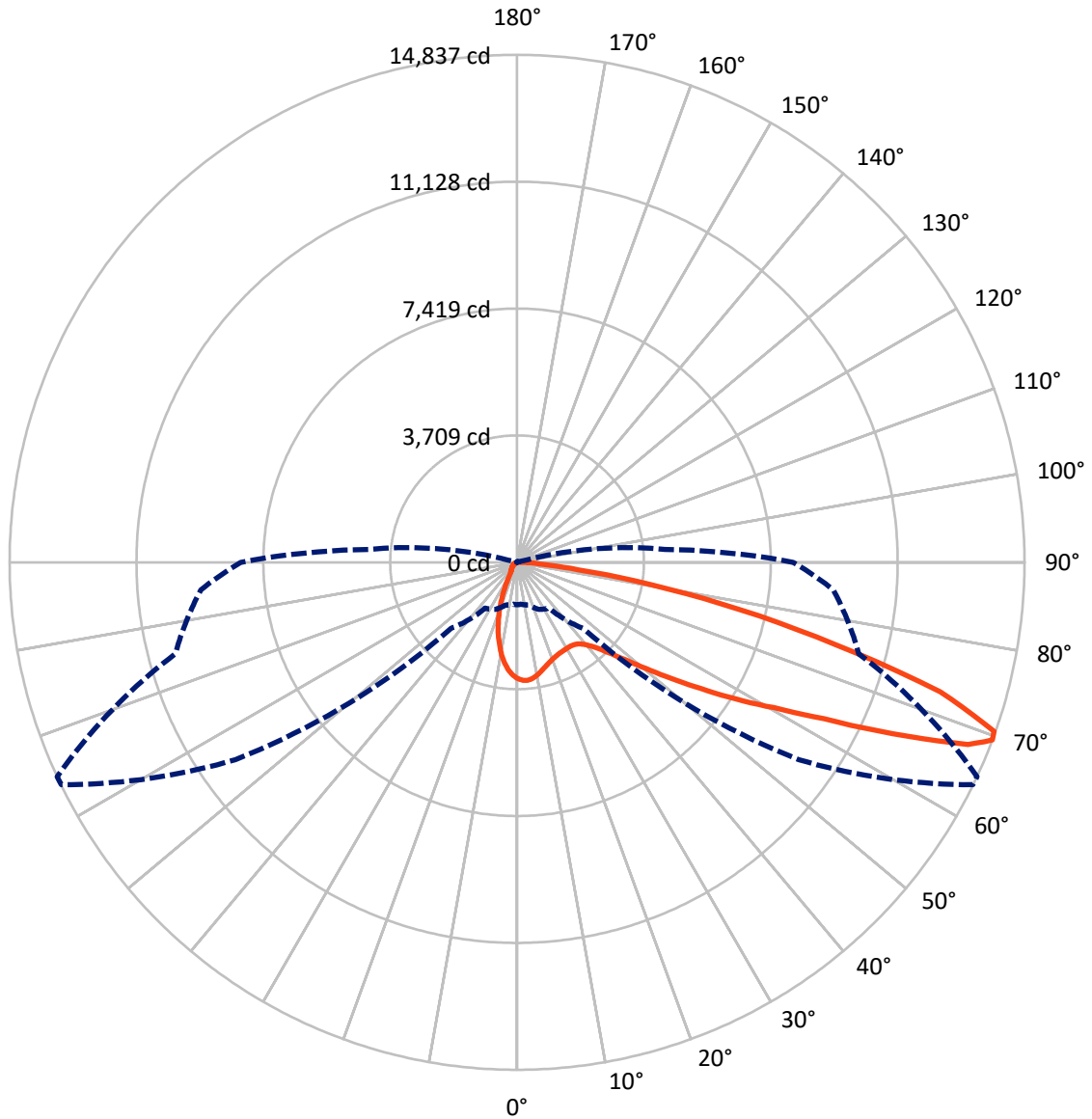
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1586.7	0.0	1586.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	11874.2	0.0	11874.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	13460.9	0.0	13460.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.4	2.1
10°-20°	622.7	4.6
20°-30°	862.4	6.4
30°-40°	1202.5	8.9
40°-50°	1869.0	13.9
50°-60°	3000.5	22.3
60°-70°	3394.1	25.2
70°-80°	1993.4	14.8
80°-90°	231.9	1.7
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°	13460.9	100.0
0°-180°	13460.9	100.0

Coefficient of Utilization

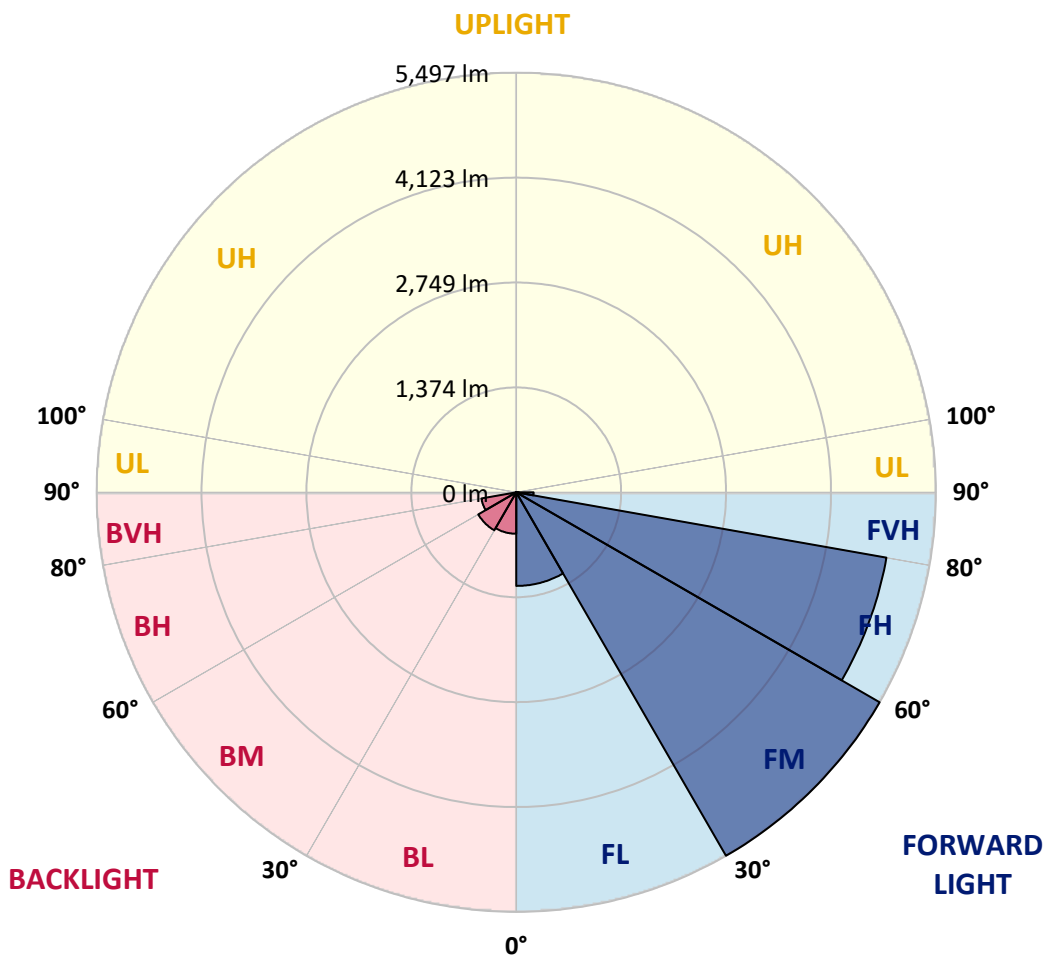


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1226.6	9.1			
FM (30°-60°)	5497.0	40.8			
FH (60°-80°)	4923.9	36.6			G2/5000
FVH (80°-90°)	226.7	1.7			G3/500
BL (0°-30°)	542.9	4.0	B2/1000		
BM (30°-60°)	575.0	4.3	B1/1000		
BH (60°-80°)	463.6	3.4	B1/500		G1/500
BVH (80°-90°)	5.2	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-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	3401.5	3401.5	3401.5	3401.5	3401.5	3401.5	3401.5	3401.5	3401.5	3401.5	3401.5
2.5°	3431.7	3423.3	3430.1	3444.9	3452.3	3452.3	3458.0	3451.1	3453.4	3436.9	3413.0
5°	3217.0	3204.0	3222.7	3264.3	3315.6	3359.4	3424.4	3458.6	3462.0	3462.6	3434.6
7.5°	2985.8	2973.8	3001.7	3050.7	3116.8	3198.3	3311.6	3410.7	3416.4	3469.9	3449.4
10°	2797.8	2789.2	2821.8	2874.1	2951.6	3042.7	3181.7	3319.6	3336.1	3454.6	3447.2
12.5°	2648.6	2641.8	2672.5	2732.9	2812.1	2912.9	3058.1	3218.2	3240.4	3419.8	3435.7
15°	2539.8	2538.7	2564.3	2622.4	2710.1	2804.1	2952.7	3124.2	3149.8	3382.3	3434.1
17.5°	2482.9	2484.5	2503.3	2552.9	2628.1	2721.5	2863.9	3045.0	3072.9	3348.6	3442.6
20°	2477.2	2478.8	2489.1	2517.0	2578.0	2660.6	2791.6	2978.3	3007.4	3323.6	3456.2
22.5°	2527.3	2526.2	2529.0	2526.2	2560.3	2623.0	2743.7	2927.1	2960.7	3307.0	3467.1
25°	2623.5	2621.8	2620.7	2599.6	2576.8	2610.4	2723.8	2898.0	2930.0	3295.1	3473.4
27.5°	2757.4	2756.3	2754.5	2719.7	2651.5	2630.3	2726.1	2887.2	2914.0	3285.4	3472.3
30°	2933.4	2941.4	2939.0	2890.7	2784.1	2691.3	2749.9	2881.6	2904.9	3266.6	3460.2
32.5°	3140.2	3156.1	3168.7	3116.8	2983.5	2812.1	2805.3	2887.8	2904.9	3252.3	3438.6
35°	3354.9	3375.4	3421.5	3403.3	3227.9	2993.7	2900.4	2925.4	2939.7	3260.3	3428.4
37.5°	3566.2	3590.7	3691.0	3743.9	3548.0	3234.1	3048.4	3018.2	3025.7	3308.8	3439.7
40°	3811.7	3848.7	4000.8	4086.2	3930.2	3555.9	3270.0	3177.7	3180.6	3415.2	3492.7
42.5°	4134.1	4172.2	4336.8	4470.7	4360.8	3962.6	3570.7	3421.5	3418.7	3614.6	3617.5
45°	4527.1	4567.0	4737.3	4886.0	4836.4	4444.5	3955.8	3777.5	3774.1	3929.0	3853.8
47.5°	4972.5	5011.8	5163.8	5317.1	5370.7	5007.3	4446.2	4263.4	4255.4	4365.9	4219.0
50°	5354.7	5380.3	5520.4	5726.7	5968.1	5698.7	5056.3	4880.2	4871.7	4946.3	4754.9
52.5°	5493.7	5508.5	5650.9	5939.6	6542.3	6635.1	5857.7	5630.9	5624.7	5657.2	5468.7
55°	5212.3	5239.1	5414.0	5842.3	6853.3	7693.5	6869.2	6560.5	6513.3	6443.1	6214.8
57.5°	4445.6	4488.4	4676.4	5245.9	6708.1	8533.0	8355.9	7612.0	7542.5	7114.1	6821.4
60°	3330.9	3383.4	3539.4	4154.1	5932.8	8832.0	9980.3	8783.7	8627.0	7648.5	7379.0
62.5°	2285.7	2311.9	2417.9	2818.3	4369.3	8342.2	11339.4	10352.8	10067.0	8229.4	7982.2
65°	1745.8	1754.9	1798.2	1936.0	2601.9	6776.4	11879.9	12423.3	12077.5	8924.3	8608.2
67.5°	1406.9	1399.5	1459.3	1656.4	1742.4	4134.1	11249.4	14382.1	14220.4	9853.4	9238.2
69°	1240.5	1230.3	1291.2	1520.2	1636.4	2732.9	10056.6	14827.0	14837.2	10343.7	9281.5
70°	1116.4	1123.3	1183.6	1439.3	1600.6	2145.1	8917.5	14713.6	14794.5	10527.1	9021.8
72.5°	745.6	763.8	885.2	1195.0	1539.0	1623.3	5384.3	12626.1	12937.1	10114.2	7740.1
75°	420.3	434.0	578.1	901.1	1450.1	1545.9	2843.9	9302.0	9602.7	8457.8	5968.7
77.5°	206.2	213.6	327.0	581.6	1212.7	1473.0	1613.1	6318.4	6661.9	5520.4	3375.9
80°	87.2	91.1	163.5	358.8	866.9	1405.7	1197.9	3888.6	3931.3	2162.8	899.4
82.5°	33.6	34.7	68.9	223.9	550.8	1095.9	1001.9	1843.7	1799.3	407.3	205.0
85°	4.0	4.6	25.1	134.4	306.5	563.9	814.0	794.6	735.4	80.9	105.4
87.5°	0.0	0.0	1.7	41.0	91.1	264.3	423.2	329.8	297.3	26.2	54.7
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°	3401.5	3401.5	3401.5	3401.5	3401.5	3401.5	3401.5	3401.5	3401.5	3401.5	3401.5
2.5°	3393.1	3387.4	3356.6	3312.1	3270.0	3217.6	3167.4	3137.3	3113.3	3097.4	3116.2
5°	3402.2	3377.0	3283.7	3164.1	3046.7	2914.6	2791.6	2687.3	2646.3	2600.8	2621.3
7.5°	3399.3	3352.0	3184.0	2971.0	2755.7	2533.0	2322.3	2159.9	2075.6	1993.0	2014.1
10°	3385.1	3305.3	3050.7	2735.2	2412.8	2092.6	1793.6	1566.4	1439.3	1324.3	1340.8
12.5°	3353.8	3242.6	2893.5	2465.2	2034.0	1611.9	1261.6	970.6	814.5	745.6	754.2
15°	3334.9	3181.7	2727.2	2191.7	1629.6	1122.7	771.2	573.6	502.4	479.6	482.4
17.5°	3325.8	3123.0	2555.1	1879.1	1216.0	714.9	498.4	439.7	424.3	420.3	421.5
20°	3316.7	3063.9	2378.1	1569.8	837.8	480.8	409.5	392.5	386.8	381.7	382.8
22.5°	3301.3	3006.8	2187.8	1256.5	565.1	390.1	369.1	352.6	340.6	334.3	335.5
25°	3282.5	2947.0	1993.6	935.8	412.4	348.0	328.1	304.7	290.5	279.1	279.7
27.5°	3252.3	2873.5	1793.0	681.2	346.3	311.6	284.8	259.2	235.2	222.2	222.2
30°	3210.2	2790.5	1570.3	487.6	310.4	275.6	243.2	211.3	185.7	173.7	172.6
32.5°	3163.5	2703.8	1345.3	369.6	282.0	242.1	205.0	171.4	148.7	139.0	138.4
35°	3123.7	2610.4	1120.9	309.8	253.5	209.6	169.2	140.7	122.5	114.5	113.9
37.5°	3098.0	2517.0	902.2	276.9	227.9	179.4	141.8	116.2	103.1	96.8	96.2
40°	3094.0	2447.5	702.3	251.8	203.9	152.7	118.5	98.6	86.5	79.7	79.2
42.5°	3145.8	2407.7	538.8	230.7	179.4	129.3	100.8	84.3	71.7	64.9	64.4
45°	3281.9	2420.2	414.6	211.9	154.9	109.4	85.4	70.1	58.7	53.6	52.4
47.5°	3530.3	2506.8	329.8	193.1	131.5	92.9	72.9	58.1	48.4	43.3	42.8
50°	3972.3	2710.1	275.6	172.6	109.9	79.2	60.4	47.2	39.3	34.7	34.2
52.5°	4559.0	3072.3	246.0	152.7	91.1	67.3	49.6	37.6	30.7	27.3	26.7
55°	5206.0	3510.9	226.7	131.0	74.6	55.8	39.3	29.6	23.9	21.1	19.9
57.5°	5837.7	3890.9	208.5	109.9	62.0	45.6	31.3	23.4	18.8	15.9	15.4
60°	6418.1	4240.0	187.4	88.3	50.7	35.9	24.5	18.3	14.8	11.9	11.9
62.5°	7039.5	4510.0	158.4	68.9	41.5	27.3	19.9	16.5	11.9	10.2	9.7
65°	7698.0	4710.5	124.2	53.6	32.5	20.5	16.5	17.0	9.7	7.4	6.8
67.5°	8184.4	4670.6	91.7	42.1	25.1	15.9	15.9	18.3	8.6	5.7	5.1
69°	8077.4	4346.5	76.9	36.4	21.6	13.7	14.8	18.3	8.0	5.1	4.6
70°	7766.9	3987.7	67.8	32.5	19.4	12.6	14.3	17.7	7.4	5.1	4.6
72.5°	6468.3	3003.4	53.0	24.5	15.4	10.2	11.9	15.4	7.4	5.1	4.0
75°	4865.5	1922.3	40.4	17.7	11.4	8.0	9.1	11.4	7.4	4.6	4.0
77.5°	2647.5	693.2	29.1	11.9	8.0	6.2	6.2	8.6	6.8	3.4	2.2
80°	680.7	174.3	18.3	8.0	6.2	4.6	4.0	5.7	4.0	0.6	0.0
82.5°	168.1	39.3	9.7	5.7	4.6	1.7	1.7	2.9	1.7	0.0	0.0
85°	92.3	19.4	6.2	4.0	2.2	0.0	0.0	0.6	0.0	0.0	0.0
87.5°	47.2	5.7	1.7	1.1	0.6	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)