

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: P851258

Luminaire Tested: **GLAN-SB9A-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26330 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

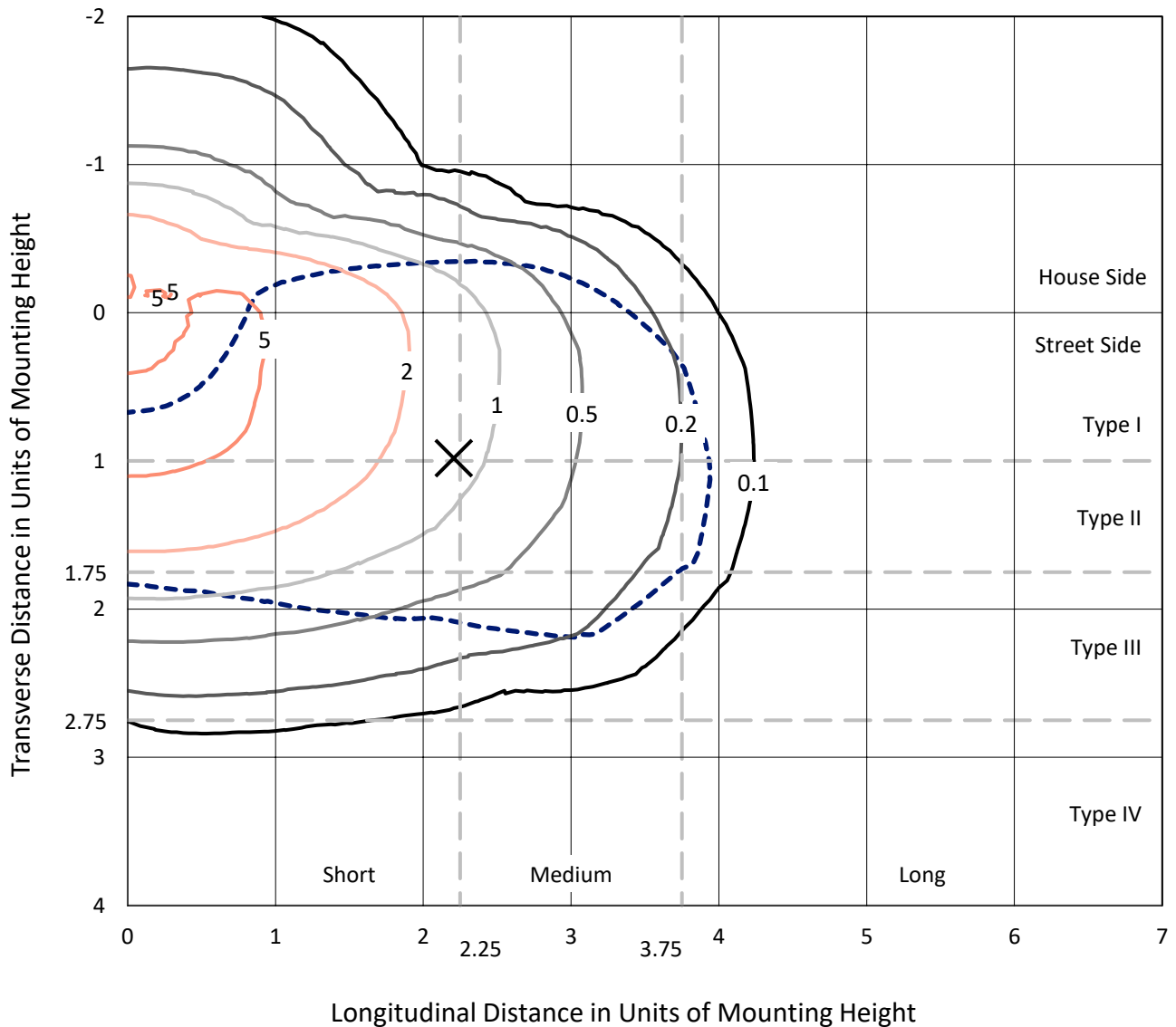
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

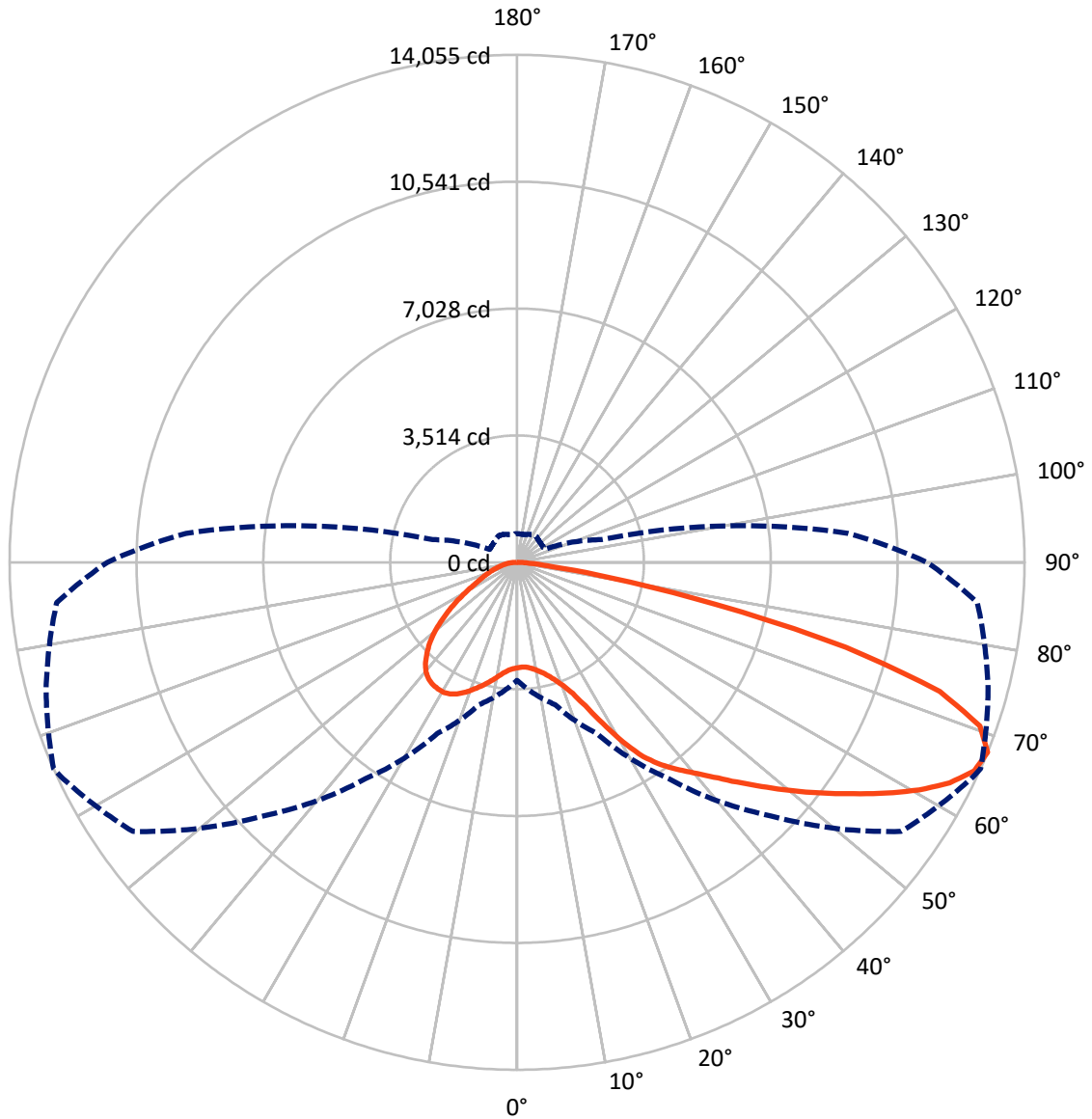
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6546.9	0.0	6546.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	19783.1	0.0	19783.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	26330.0	0.0	26330.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.5	1.1
10°-20°	956.6	3.6
20°-30°	1843.8	7.0
30°-40°	3232.9	12.3
40°-50°	4806.2	18.3
50°-60°	6092.3	23.1
60°-70°	5961.2	22.6
70°-80°	2843.6	10.8
80°-90°	303.9	1.2
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°	26330.0	100.0
0°-180°	26330.0	100.0

Coefficient of Utilization



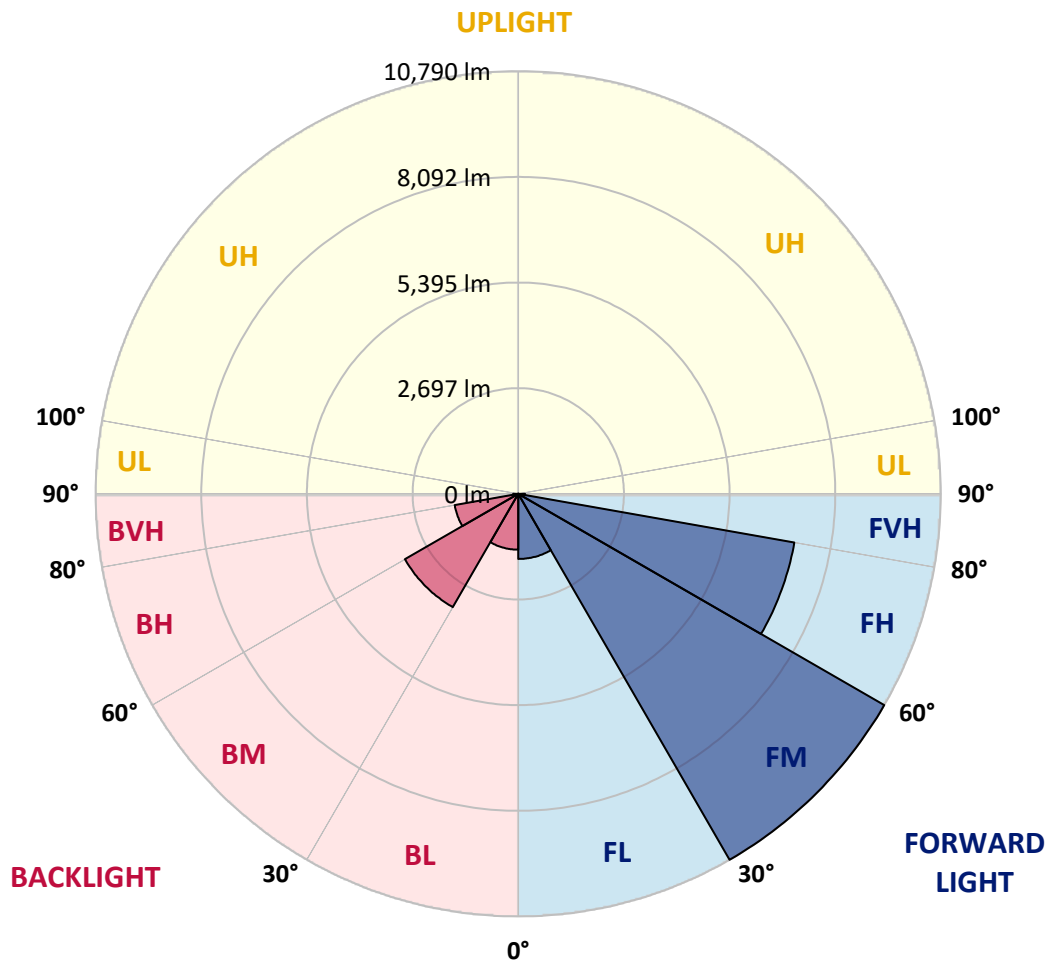
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1663.8	6.3			
FM (30°-60°)	10789.8	41.0			
FH (60°-80°)	7157.2	27.2			G3/7500
FVH (80°-90°)	172.3	0.7			G2/225
BL (0°-30°)	1426.1	5.4	B3/2500		
BM (30°-60°)	3341.6	12.7	B3/5000		
BH (60°-80°)	1647.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	131.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2920.3	2920.3	2920.3	2920.3	2920.3	2920.3	2920.3	2920.3	2920.3	2920.3
2.5°	2889.9	2906.5	2902.4	2895.4	2894.1	2896.8	2901.0	2905.1	2903.7	2910.7
5°	2881.6	2898.2	2896.8	2896.8	2902.4	2913.4	2920.3	2927.3	2920.3	2928.6
7.5°	2887.1	2899.6	2905.1	2910.7	2924.5	2945.2	2961.8	2977.1	2968.8	2978.4
10°	2957.7	2967.4	2972.9	2972.9	2982.6	3006.1	3022.7	3050.4	3043.5	3058.7
12.5°	3086.4	3096.0	3096.0	3090.5	3097.4	3112.6	3118.2	3148.6	3136.2	3161.1
15°	3244.1	3263.4	3248.2	3238.5	3241.3	3256.5	3255.1	3278.6	3266.2	3286.9
17.5°	3418.4	3443.3	3418.4	3417.0	3411.4	3428.1	3429.4	3450.2	3428.1	3443.3
20°	3624.5	3659.1	3638.3	3645.2	3632.8	3639.7	3646.6	3677.1	3642.5	3653.5
22.5°	3915.0	3956.5	3934.4	3960.7	3952.4	3946.8	3945.4	3999.4	3945.4	3949.6
25°	4338.3	4388.1	4349.4	4385.4	4385.4	4403.3	4424.1	4493.3	4403.3	4377.1
27.5°	4963.6	5013.4	4937.3	4959.5	4952.6	4996.8	4974.7	5146.2	5049.4	5006.5
30°	5716.2	5804.7	5660.8	5655.3	5648.4	5719.0	5750.8	5864.2	5766.0	5723.1
32.5°	6529.6	6622.3	6450.8	6401.0	6374.7	6417.6	6391.3	6482.6	6414.8	6348.4
35°	7390.1	7481.4	7318.2	7221.3	7116.2	7026.3	6932.2	6955.7	6892.1	6791.1
37.5°	8203.5	8370.9	8198.0	8094.2	7900.6	7724.9	7462.0	7352.7	7293.3	7200.6
40°	9032.2	9127.6	8996.2	8907.7	8697.4	8422.1	8001.6	7770.5	7690.3	7600.4
42.5°	9642.3	9733.6	9663.0	9602.1	9437.5	9118.0	8574.3	8285.1	8168.9	8068.0
45°	10126.4	10194.2	10150.0	10172.1	10101.5	9791.7	9167.8	8837.1	8716.8	8593.6
47.5°	10321.5	10393.4	10464.0	10595.4	10715.8	10487.5	9805.5	9434.7	9307.5	9181.6
50°	10299.4	10372.7	10577.4	10856.9	11230.4	11154.3	10477.8	10071.1	9953.5	9809.6
52.5°	10122.3	10205.3	10468.1	10933.0	11527.8	11653.7	11162.6	10728.2	10617.5	10446.0
55°	9657.5	9707.3	10101.5	10760.0	11598.4	12002.3	11833.6	11428.2	11317.5	11078.2
57.5°	8795.6	8867.6	9441.7	10293.8	11421.3	12238.9	12422.9	12164.2	12057.7	11713.2
60°	7670.9	7785.7	8442.9	9510.8	10970.3	12237.5	12958.3	12887.7	12799.2	12338.5
62.5°	6398.2	6531.0	7163.2	8404.1	10181.8	11890.3	13293.0	13493.6	13448.0	12915.4
65°	4913.8	5005.1	5634.6	6972.3	8954.7	11144.6	13331.8	13907.3	13915.6	13353.9
67.5°	3271.7	3534.6	4081.0	5232.0	7311.2	9925.9	12991.5	13975.0	14055.3	13504.7
70°	1596.4	1942.3	2477.7	3400.4	5232.0	8056.9	12101.9	13418.9	13597.4	13064.8
72.5°	662.6	774.7	1066.6	1678.1	3003.3	5436.7	10314.6	11911.0	12241.7	11576.2
75°	446.8	484.2	610.1	860.5	1368.2	2681.0	7438.5	8881.4	9414.0	8743.1
77.5°	344.5	368.0	444.1	601.8	813.4	1014.0	3981.4	5352.4	5627.6	5209.9
80°	271.1	289.1	332.0	438.5	576.9	542.3	1357.1	2425.1	2584.2	2167.8
82.5°	235.2	242.1	237.9	297.4	383.2	316.8	445.5	895.1	987.7	716.6
85°	170.2	189.5	197.8	184.0	203.4	160.5	182.6	316.8	348.6	311.3
87.5°	69.2	102.4	125.9	119.0	74.7	45.7	56.7	92.7	106.5	116.2
90°	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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2920.3	0°	2920.3	2920.3	2920.3	2920.3	2920.3	2920.3	2920.3	2920.3	2920.3	2920.3
2921.7	2.5°	2923.1	2932.8	2939.7	2948.0	2953.5	2961.8	2978.4	2988.1	2989.5	2996.4
2943.9	5°	2949.4	2963.2	2978.4	3000.6	3025.5	3046.2	3078.1	3100.2	3108.5	3115.4
2997.8	7.5°	3006.1	3025.5	3053.2	3091.9	3127.9	3155.5	3194.3	3220.5	3246.8	3256.5
3083.6	10°	3090.5	3118.2	3158.3	3210.9	3249.6	3285.6	3325.7	3347.8	3374.1	3385.2
3186.0	12.5°	3195.6	3224.7	3277.3	3350.6	3386.5	3411.4	3425.3	3419.8	3425.3	3435.0
3309.1	15°	3316.0	3347.8	3407.3	3486.2	3511.1	3488.9	3458.5	3430.8	3426.7	3429.4
3458.5	17.5°	3458.5	3482.0	3551.2	3617.6	3599.6	3508.3	3441.9	3397.6	3375.5	3368.6
3649.4	20°	3657.7	3657.7	3714.4	3755.9	3635.6	3480.6	3376.9	3304.9	3259.3	3239.9
3909.5	22.5°	3899.8	3877.7	3913.6	3884.6	3628.6	3403.1	3259.3	3134.8	3065.6	3037.9
4273.3	25°	4206.9	4180.6	4170.9	3991.1	3578.8	3280.0	3046.2	2895.4	2834.6	2819.4
4797.6	27.5°	4670.3	4603.9	4478.0	4049.2	3487.5	3086.4	2797.2	2657.5	2622.9	2624.3
5471.3	30°	5287.3	5154.5	4846.0	4058.9	3338.1	2812.4	2542.7	2443.1	2426.5	2433.4
6037.1	32.5°	5858.7	5732.8	5222.3	4014.6	3108.5	2544.1	2314.4	2248.0	2223.1	2231.4
6468.8	35°	6306.9	6272.3	5570.9	3952.4	2826.3	2292.3	2109.7	2053.0	2004.5	1993.5
6875.5	37.5°	6730.2	6716.4	5832.4	3865.2	2546.8	2113.8	1945.1	1870.3	1799.8	1761.1
7325.1	40°	7195.0	7181.2	6003.9	3731.0	2299.2	1958.9	1797.0	1698.8	1611.7	1541.1
7834.2	42.5°	7718.0	7636.3	6085.6	3538.7	2088.9	1827.5	1676.7	1543.9	1429.0	1364.0
8409.7	45°	8289.3	8105.3	6084.2	3293.9	1911.9	1707.1	1548.0	1359.9	1253.4	1192.5
9000.4	47.5°	8895.2	8553.5	6009.5	3022.7	1740.3	1574.3	1348.8	1204.9	1134.4	1097.0
9642.3	50°	9520.5	8972.7	5882.2	2711.5	1564.6	1423.5	1224.3	1126.1	1072.1	1037.5
10278.6	52.5°	10108.5	9353.1	5728.6	2358.7	1386.2	1276.9	1169.0	1092.9	1036.2	997.4
10895.6	55°	10654.9	9681.0	5511.4	1997.6	1240.9	1178.7	1142.7	1079.0	1014.0	968.4
11522.3	57.5°	11140.5	9894.0	5136.5	1658.7	1137.1	1110.9	1115.0	1055.5	980.8	942.1
12139.3	60°	11544.4	10050.4	4581.8	1344.7	1052.8	1044.5	1072.1	1011.3	924.1	879.8
12660.8	62.5°	11786.5	10047.6	3901.2	1101.2	980.8	983.6	1015.4	955.9	867.4	825.9
12933.4	65°	11765.8	9801.3	3154.1	942.1	911.7	914.4	955.9	895.1	820.4	795.5
12796.4	67.5°	11349.4	9201.0	2419.6	838.3	835.6	848.0	896.4	853.6	791.3	788.5
11980.2	70°	10221.9	7954.5	1743.1	755.3	756.7	774.7	838.3	827.3	776.1	781.6
10072.5	72.5°	8196.6	6064.8	1170.4	668.2	669.6	698.6	783.0	806.5	760.9	834.2
7146.6	75°	5458.9	3782.2	752.6	575.5	576.9	614.2	734.6	766.4	719.4	831.4
3718.6	77.5°	2622.9	1700.2	545.1	484.2	484.2	518.8	635.0	686.2	612.8	646.0
1195.3	80°	906.1	639.1	428.9	390.1	381.8	405.3	535.4	594.9	528.5	487.0
390.1	82.5°	356.9	332.0	344.5	303.0	275.3	290.5	416.4	491.1	388.7	351.4
220.0	85°	204.7	215.8	243.5	200.6	159.1	178.5	305.7	352.8	293.3	258.7
71.9	87.5°	55.3	76.1	112.1	103.8	71.9	76.1	145.3	195.1	168.8	130.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
2920.3
2995.0
3114.0
3257.9
3390.7
3437.7
3439.1
3378.2
3235.8
3033.8
2822.1
2628.4
2456.9
2242.5
2001.8
1762.4
1548.0
1368.2
1189.7
1088.7
1025.1
980.8
950.4
917.2
860.5
813.4
794.1
792.7
780.2
845.3
838.3
592.1
456.5
350.0
264.2
134.2
0.0

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