

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: P848618

Luminaire Tested: **GLAN-SB5B-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848618
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-SB5B-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27932 lumens
Efficiency: N/A
Efficacy: 152.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

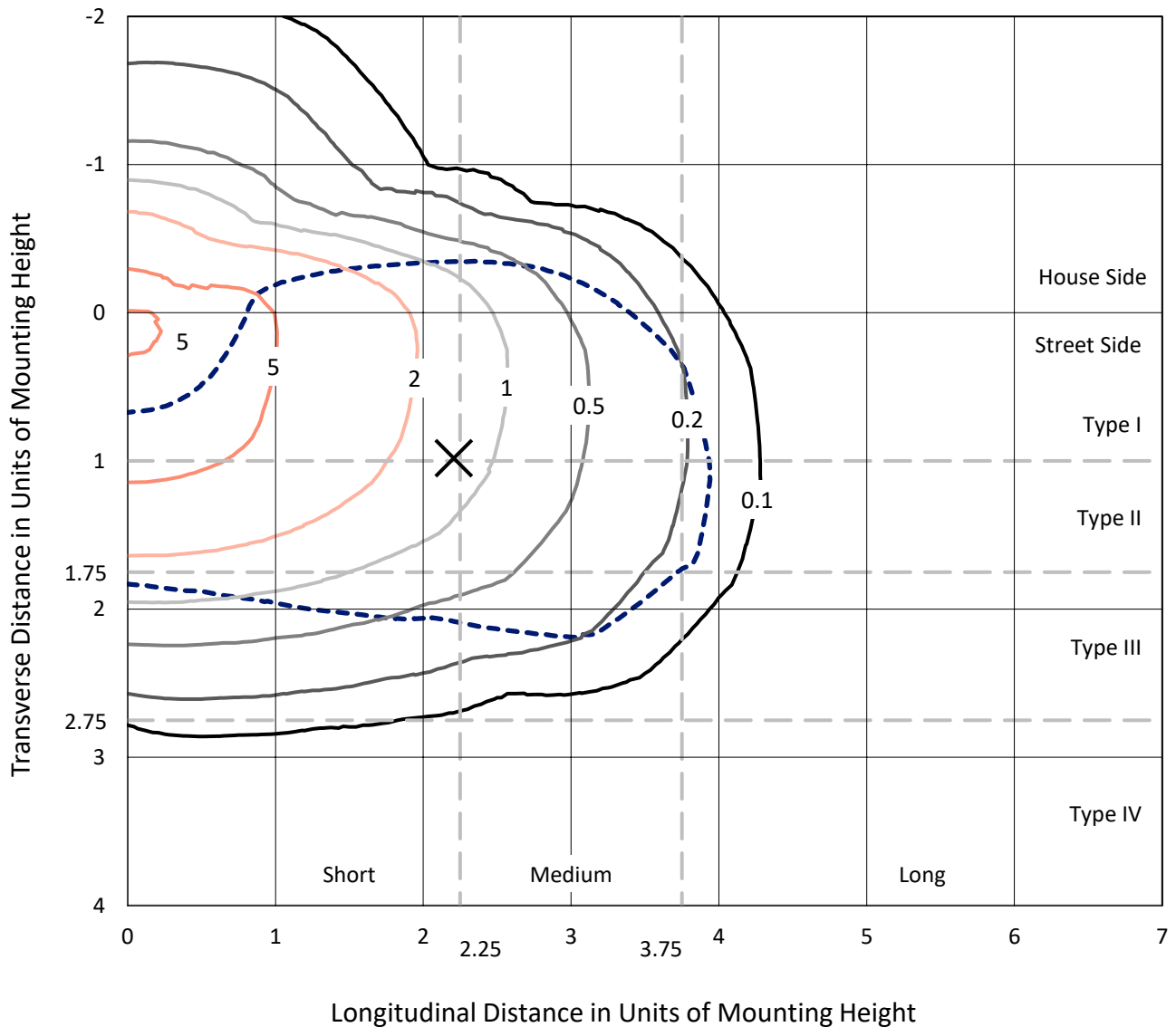
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

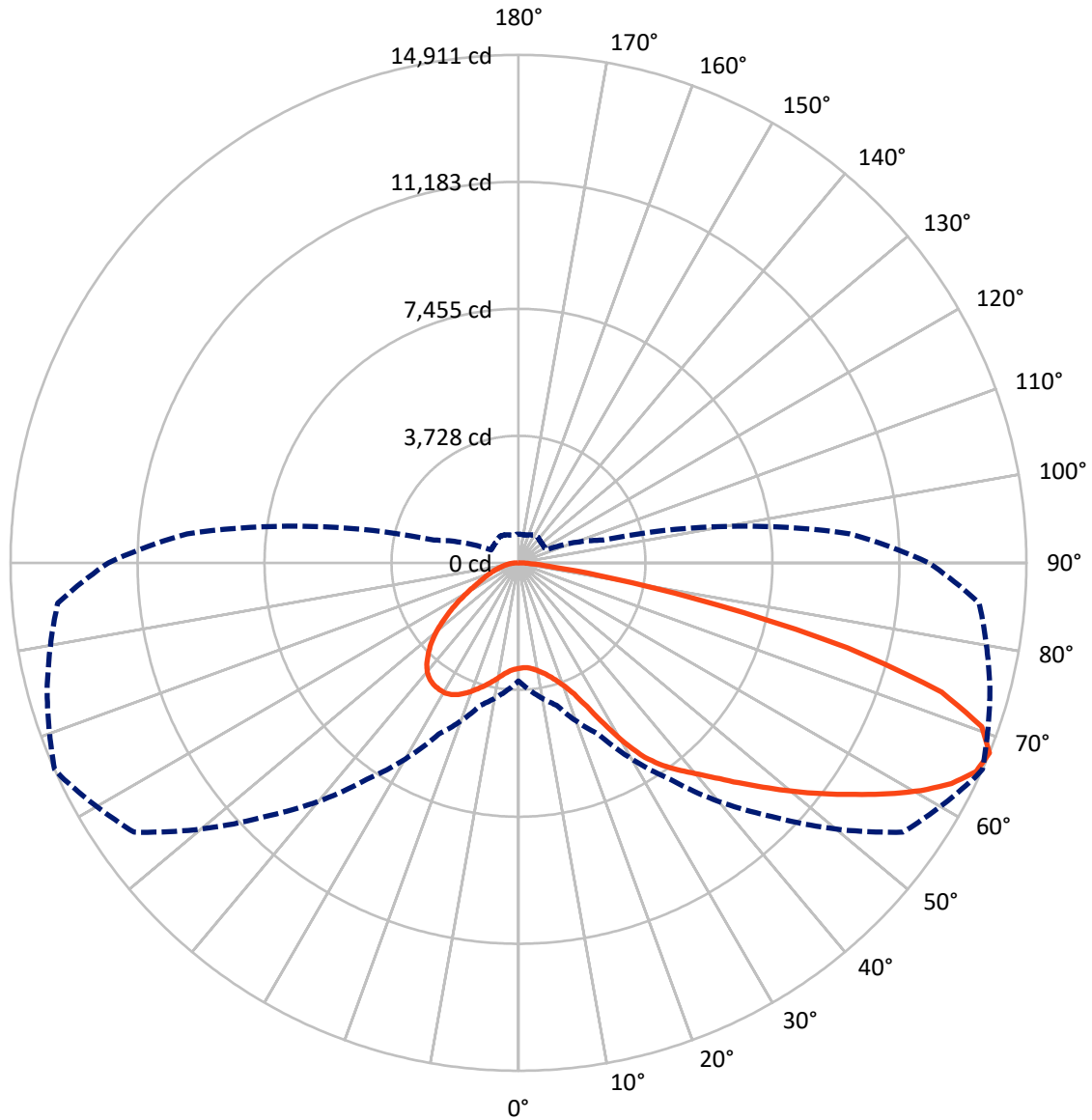
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	6945.2	0.0	6945.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	20986.8	0.0	20986.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	27932.0	0.0	27932.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.2	1.1
10°-20°	1014.8	3.6
20°-30°	1956.0	7.0
30°-40°	3429.6	12.3
40°-50°	5098.6	18.3
50°-60°	6463.0	23.1
60°-70°	6323.9	22.6
70°-80°	3016.6	10.8
80°-90°	322.4	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°	27932.0	100.0
0°-180°	27932.0	100.0

Coefficient of Utilization

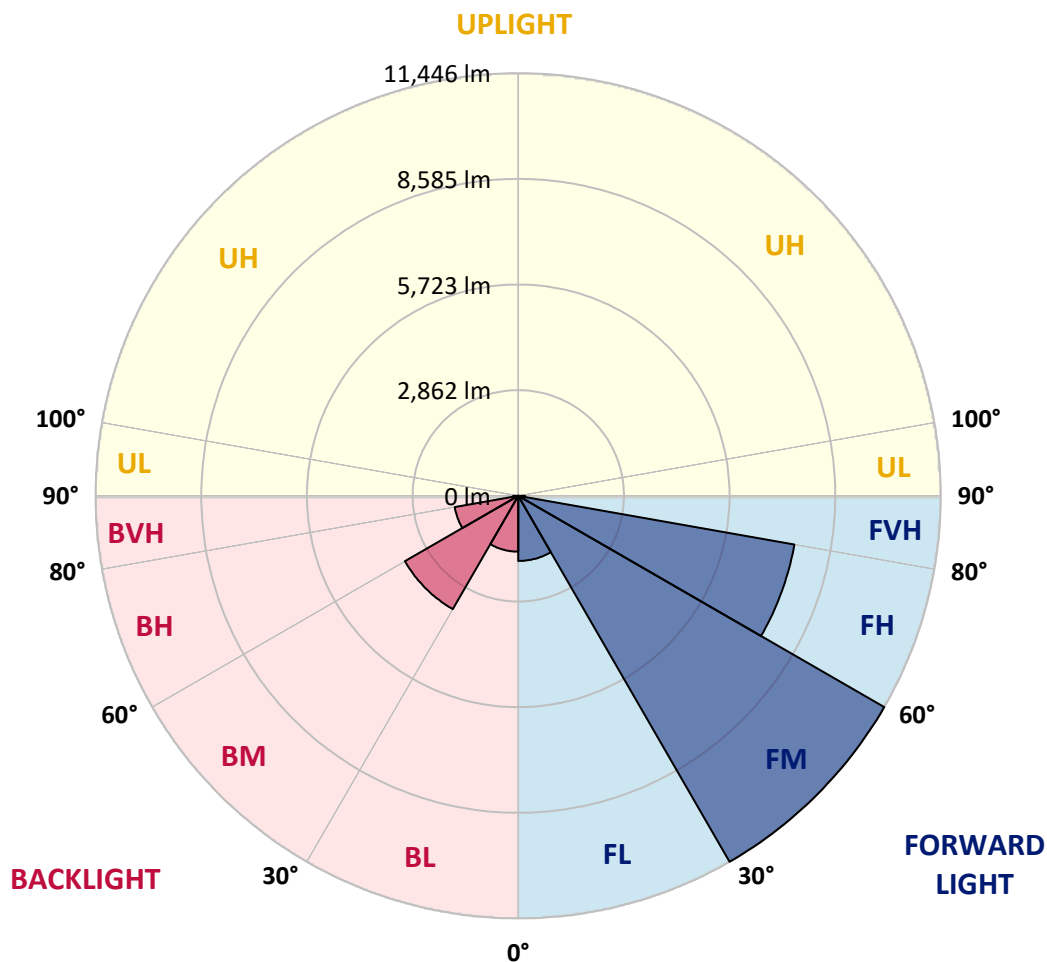


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1765.0	6.3			
FM (30°-60°)	11446.3	41.0			
FH (60°-80°)	7592.7	27.2			G4/12000
FVH (80°-90°)	182.8	0.7			G2/225
BL (0°-30°)	1512.9	5.4	B3/2500		
BM (30°-60°)	3544.9	12.7	B3/5000		
BH (60°-80°)	1747.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	139.6	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-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0
2.5°	3065.7	3083.4	3078.9	3071.6	3070.1	3073.1	3077.5	3081.9	3080.4	3087.8
5°	3056.9	3074.5	3073.1	3073.1	3078.9	3090.7	3098.0	3105.4	3098.0	3106.8
7.5°	3062.8	3076.0	3081.9	3087.8	3102.4	3124.4	3142.1	3158.2	3149.4	3159.7
10°	3137.7	3147.9	3153.8	3153.8	3164.1	3189.0	3206.6	3236.0	3228.6	3244.8
12.5°	3274.1	3284.4	3284.4	3278.5	3285.9	3302.0	3307.9	3340.2	3327.0	3353.4
15°	3441.4	3462.0	3445.8	3435.6	3438.5	3454.6	3453.2	3478.1	3464.9	3486.9
17.5°	3626.4	3652.8	3626.4	3624.9	3619.0	3636.6	3638.1	3660.1	3636.6	3652.8
20°	3845.0	3881.7	3859.7	3867.0	3853.8	3861.2	3868.5	3900.8	3864.1	3875.8
22.5°	4153.2	4197.2	4173.8	4201.6	4192.8	4187.0	4185.5	4242.7	4185.5	4189.9
25°	4602.3	4655.1	4614.0	4652.2	4652.2	4671.3	4693.3	4766.6	4671.3	4643.4
27.5°	5265.6	5318.5	5237.7	5261.2	5253.9	5300.8	5277.4	5459.3	5356.6	5311.1
30°	6064.0	6157.9	6005.3	5999.4	5992.1	6066.9	6100.7	6221.0	6116.8	6071.3
32.5°	6926.9	7025.2	6843.3	6790.4	6762.5	6808.0	6780.1	6877.0	6805.1	6734.7
35°	7839.7	7936.6	7763.4	7660.7	7549.2	7453.8	7354.0	7378.9	7311.4	7204.3
37.5°	8702.7	8880.2	8696.8	8586.7	8381.3	8194.9	7916.0	7800.1	7737.0	7638.7
40°	9581.7	9683.0	9543.6	9449.6	9226.6	8934.5	8488.4	8243.3	8158.2	8062.8
42.5°	10228.9	10325.8	10250.9	10186.4	10011.7	9672.7	9096.0	8789.2	8666.0	8558.8
45°	10742.6	10814.5	10767.5	10791.0	10716.2	10387.4	9725.5	9374.8	9247.1	9116.5
47.5°	10949.5	11025.8	11100.7	11240.1	11367.8	11125.6	10402.1	10008.8	9873.8	9740.2
50°	10926.0	11003.8	11221.0	11517.4	11913.7	11833.0	11115.3	10683.9	10559.1	10406.5
52.5°	10738.2	10826.2	11105.1	11598.2	12229.2	12362.8	11841.8	11381.0	11263.6	11081.6
55°	10245.1	10297.9	10716.2	11414.7	12304.1	12732.6	12553.5	12123.5	12006.1	11752.3
57.5°	9330.8	9407.1	10016.1	10920.1	12116.2	12983.5	13178.7	12904.3	12791.3	12425.9
60°	8137.6	8259.5	8956.5	10089.5	11637.8	12982.1	13746.7	13671.8	13577.9	13089.2
62.5°	6787.5	6928.4	7599.0	8915.5	10801.3	12613.7	14101.8	14314.6	14266.2	13701.2
65°	5212.8	5309.6	5977.4	7396.5	9499.5	11822.7	14142.9	14753.4	14762.2	14166.4
67.5°	3470.8	3749.6	4329.3	5550.3	7756.1	10529.8	13781.9	14825.3	14910.5	14326.4
70°	1693.6	2060.5	2628.4	3607.3	5550.3	8547.1	12838.3	14235.4	14424.7	13859.7
72.5°	703.0	821.8	1131.5	1780.2	3186.1	5767.5	10942.2	12635.7	12986.5	12280.6
75°	474.0	513.6	647.2	912.8	1451.4	2844.1	7891.1	9421.8	9986.8	9275.0
77.5°	365.4	390.4	471.1	638.4	862.9	1075.7	4223.6	5678.0	5970.1	5526.8
80°	287.6	306.7	352.2	465.2	612.0	575.3	1439.7	2572.6	2741.4	2299.7
82.5°	249.5	256.8	252.4	315.5	406.5	336.1	472.6	949.5	1047.8	760.2
85°	180.5	201.1	209.9	195.2	215.7	170.2	193.7	336.1	369.8	330.2
87.5°	73.4	108.6	133.5	126.2	79.2	48.4	60.2	98.3	113.0	123.3
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°
3098.0	0°	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0	3098.0
3099.5	2.5°	3101.0	3111.2	3118.6	3127.4	3133.2	3142.1	3159.7	3169.9	3171.4	3178.7
3123.0	5°	3128.8	3143.5	3159.7	3183.1	3209.6	3231.6	3265.3	3288.8	3297.6	3305.0
3180.2	7.5°	3189.0	3209.6	3238.9	3280.0	3318.2	3347.5	3388.6	3416.5	3444.4	3454.6
3271.2	10°	3278.5	3307.9	3350.4	3406.2	3447.3	3485.5	3528.0	3551.5	3579.4	3591.1
3379.8	12.5°	3390.1	3420.9	3476.7	3554.4	3592.6	3619.0	3633.7	3627.8	3633.7	3644.0
3510.4	15°	3517.8	3551.5	3614.6	3698.3	3724.7	3701.2	3668.9	3639.6	3635.2	3638.1
3668.9	17.5°	3668.9	3693.9	3767.2	3837.7	3818.6	3721.7	3651.3	3604.3	3580.9	3573.5
3871.4	20°	3880.2	3880.2	3940.4	3984.4	3856.8	3692.4	3582.3	3506.0	3457.6	3437.0
4147.3	22.5°	4137.1	4113.6	4151.7	4120.9	3849.4	3610.2	3457.6	3325.5	3252.1	3222.8
4533.3	25°	4462.9	4435.0	4424.7	4233.9	3796.6	3479.6	3231.6	3071.6	3007.0	2990.9
5089.5	27.5°	4954.5	4884.1	4750.5	4295.6	3699.7	3274.1	2967.4	2819.2	2782.5	2784.0
5804.2	30°	5609.0	5468.1	5140.9	4305.8	3541.2	2983.6	2697.4	2591.7	2574.1	2581.4
6404.4	32.5°	6215.1	6081.6	5540.1	4258.9	3297.6	2698.9	2455.2	2384.8	2358.4	2367.2
6862.3	35°	6690.6	6653.9	5909.9	4192.8	2998.2	2431.8	2238.0	2177.9	2126.5	2114.8
7293.8	37.5°	7139.7	7125.0	6187.3	4100.4	2701.8	2242.4	2063.4	1984.1	1909.3	1868.2
7770.8	40°	7632.8	7618.1	6369.2	3958.0	2439.1	2078.1	1906.4	1802.2	1709.7	1634.9
8310.8	42.5°	8187.5	8101.0	6455.8	3754.0	2216.0	1938.7	1778.7	1637.8	1516.0	1447.0
8921.3	45°	8793.6	8598.5	6454.3	3494.3	2028.2	1811.0	1642.2	1442.6	1329.6	1265.0
9548.0	47.5°	9436.4	9073.9	6375.1	3206.6	1846.2	1670.1	1430.9	1278.2	1203.4	1163.8
10228.9	50°	10099.8	9518.6	6240.1	2876.4	1659.8	1510.1	1298.8	1194.6	1137.4	1100.7
10904.0	52.5°	10723.5	9922.2	6077.2	2502.2	1470.5	1354.6	1240.1	1159.4	1099.2	1058.1
11558.5	55°	11303.2	10270.0	5846.8	2119.2	1316.4	1250.4	1212.2	1144.7	1075.7	1027.3
12223.3	57.5°	11818.3	10496.0	5449.1	1759.6	1206.3	1178.5	1182.9	1119.8	1040.5	999.4
12877.9	60°	12246.8	10661.9	4860.6	1426.5	1116.8	1108.0	1137.4	1072.8	980.3	933.4
13431.1	62.5°	12503.6	10658.9	4138.5	1168.2	1040.5	1043.4	1077.2	1014.1	920.2	876.1
13720.3	65°	12481.6	10397.7	3346.0	999.4	967.1	970.1	1014.1	949.5	870.3	843.8
13575.0	67.5°	12039.9	9760.8	2566.8	889.3	886.4	899.6	951.0	905.5	839.4	836.5
12709.1	70°	10843.8	8438.5	1849.1	801.3	802.8	821.8	889.3	877.6	823.3	829.2
10685.3	72.5°	8695.3	6433.8	1241.6	708.8	710.3	741.1	830.6	855.6	807.2	884.9
7581.4	75°	5791.0	4012.3	798.4	610.5	612.0	651.6	779.3	813.0	763.1	882.0
3944.8	77.5°	2782.5	1803.6	578.2	513.6	513.6	550.3	673.6	727.9	650.1	685.4
1268.0	80°	961.3	678.0	454.9	413.9	405.0	430.0	567.9	631.1	560.6	516.6
413.9	82.5°	378.6	352.2	365.4	321.4	292.0	308.2	441.7	521.0	412.4	372.8
233.3	85°	217.2	228.9	258.3	212.8	168.8	189.3	324.3	374.2	311.1	274.4
76.3	87.5°	58.7	80.7	118.9	110.1	76.3	80.7	154.1	206.9	179.0	138.0
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°
3098.0
3177.3
3303.5
3456.1
3597.0
3646.9
3648.4
3583.8
3432.6
3218.4
2993.8
2788.4
2606.4
2378.9
2123.6
1869.7
1642.2
1451.4
1262.1
1155.0
1087.5
1040.5
1008.2
973.0
912.8
862.9
842.4
840.9
827.7
896.7
889.3
628.1
484.3
371.3
280.3
142.4
0.0

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