

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: P849128

Luminaire Tested: **GLAN-SB6A-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849128
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-SB6A-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26711 lumens
Efficiency: N/A
Efficacy: 156.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

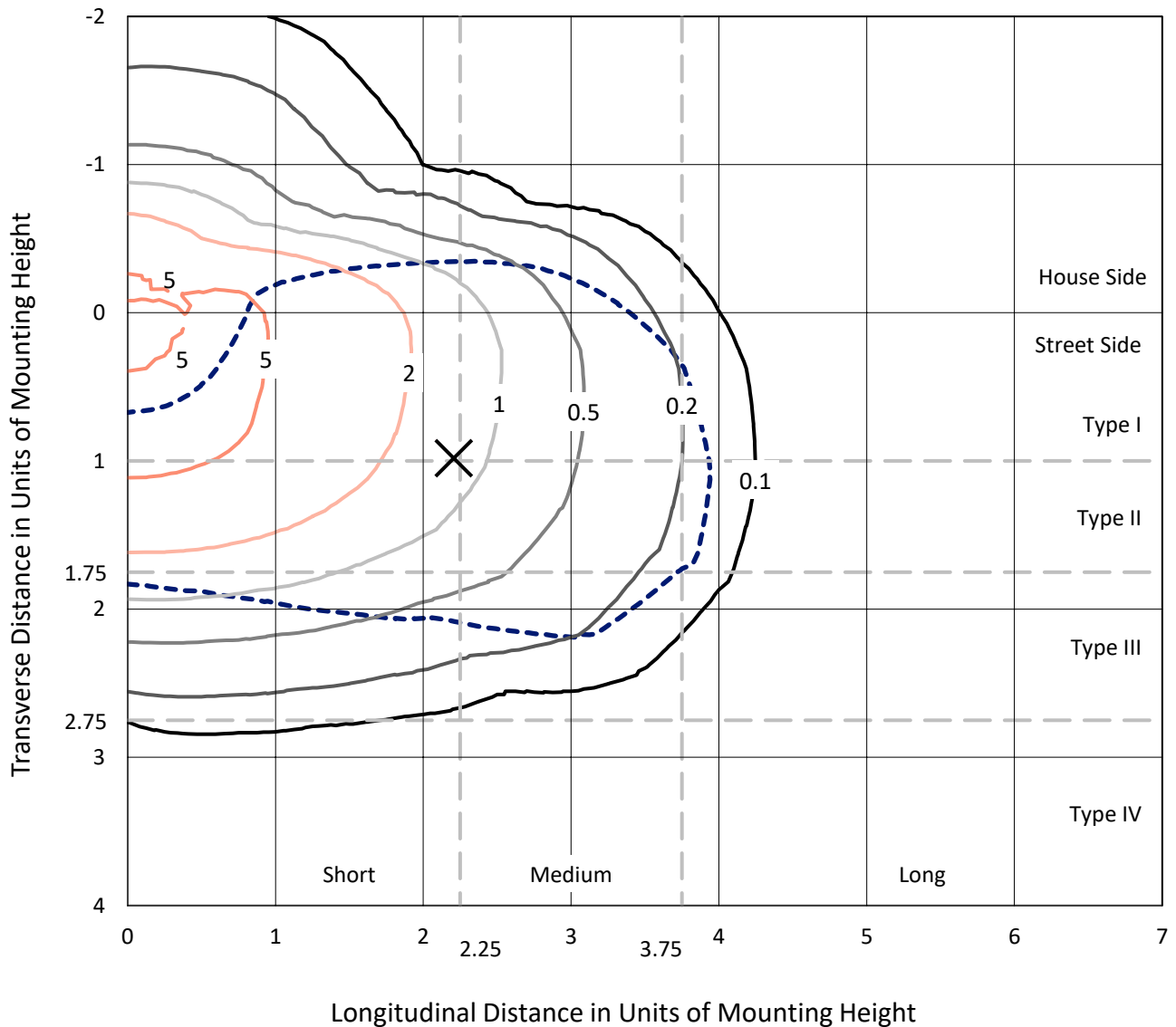
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

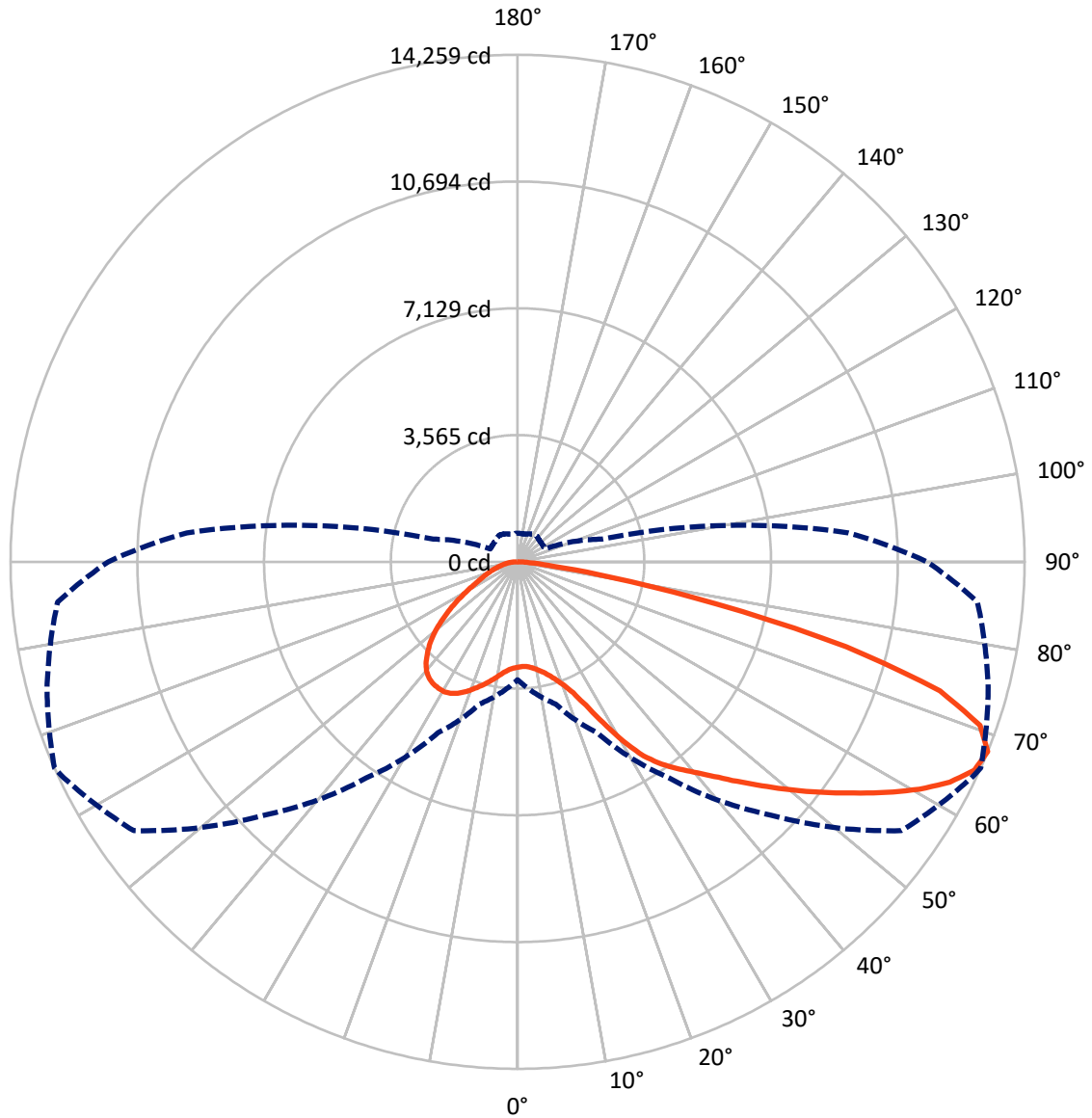
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	6641.6	0.0	6641.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	20069.4	0.0	20069.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	26711.0	0.0	26711.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.7	1.1
10°-20°	970.4	3.6
20°-30°	1870.5	7.0
30°-40°	3279.6	12.3
40°-50°	4875.7	18.3
50°-60°	6180.5	23.1
60°-70°	6047.5	22.6
70°-80°	2884.7	10.8
80°-90°	308.3	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°	26711.0	100.0
0°-180°	26711.0	100.0

Coefficient of Utilization



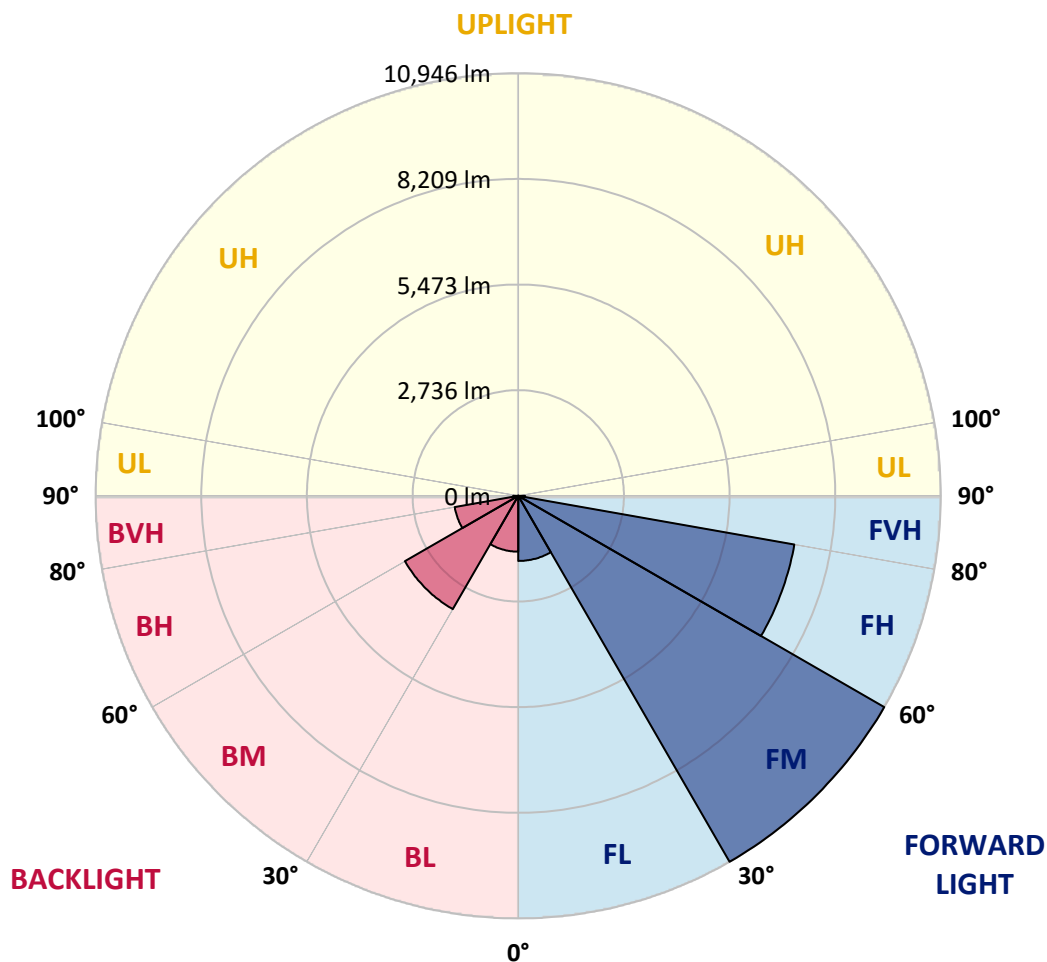
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1687.9	6.3			
FM (30°-60°)	10945.9	41.0			
FH (60°-80°)	7260.8	27.2			G3/7500
FVH (80°-90°)	174.8	0.7			G2/225
BL (0°-30°)	1446.8	5.4	B3/2500		
BM (30°-60°)	3390.0	12.7	B3/5000		
BH (60°-80°)	1671.4	6.3	B3/2500		G3/2500
BVH (80°-90°)	133.5	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°	2962.6	2962.6	2962.6	2962.6	2962.6	2962.6	2962.6	2962.6	2962.6	2962.6
2.5°	2931.7	2948.6	2944.4	2937.3	2935.9	2938.7	2943.0	2947.2	2945.8	2952.8
5°	2923.3	2940.1	2938.7	2938.7	2944.4	2955.6	2962.6	2969.6	2962.6	2971.0
7.5°	2928.9	2941.6	2947.2	2952.8	2966.8	2987.9	3004.7	3020.1	3011.7	3021.5
10°	3000.5	3010.3	3015.9	3015.9	3025.8	3049.6	3066.5	3094.5	3087.5	3102.9
12.5°	3131.0	3140.8	3140.8	3135.2	3142.2	3157.7	3163.3	3194.2	3181.5	3206.8
15°	3291.0	3310.6	3295.2	3285.4	3288.2	3303.6	3302.2	3326.1	3313.5	3334.5
17.5°	3467.8	3493.1	3467.8	3466.4	3460.8	3477.7	3479.1	3500.1	3477.7	3493.1
20°	3676.9	3712.0	3691.0	3698.0	3685.4	3692.4	3699.4	3730.3	3695.2	3706.4
22.5°	3971.7	4013.8	3991.3	4018.0	4009.5	4003.9	4002.5	4057.3	4002.5	4006.7
25°	4401.1	4451.6	4412.3	4448.8	4448.8	4467.1	4488.1	4558.3	4467.1	4440.4
27.5°	5035.4	5086.0	5008.8	5031.2	5024.2	5069.1	5046.7	5220.7	5122.5	5078.9
30°	5798.9	5888.7	5742.8	5737.1	5730.1	5801.7	5834.0	5949.1	5849.4	5805.9
32.5°	6624.1	6718.1	6544.1	6493.6	6466.9	6510.4	6483.8	6576.4	6507.6	6440.3
35°	7497.0	7589.7	7424.0	7325.8	7219.2	7127.9	7032.5	7056.4	6991.8	6889.3
37.5°	8322.2	8492.0	8316.6	8211.4	8014.9	7836.7	7570.0	7459.1	7398.8	7304.8
40°	9162.9	9259.7	9126.4	9036.6	8823.3	8544.0	8117.3	7883.0	7801.6	7710.3
42.5°	9781.8	9874.4	9802.8	9741.1	9574.1	9249.9	8698.3	8405.0	8287.1	8184.7
45°	10273.0	10341.7	10296.8	10319.3	10247.7	9933.4	9300.4	8965.0	8842.9	8718.0
47.5°	10470.9	10543.8	10615.4	10748.7	10870.8	10639.3	9947.4	9571.3	9442.2	9314.4
50°	10448.4	10522.8	10730.5	11014.0	11392.9	11315.7	10629.4	10216.8	10097.5	9951.6
52.5°	10268.8	10353.0	10619.6	11091.2	11694.6	11822.3	11324.1	10883.5	10771.2	10597.2
55°	9797.2	9847.7	10247.7	10915.7	11766.2	12176.0	12004.8	11593.6	11481.3	11238.5
57.5°	8922.9	8995.9	9578.3	10442.8	11586.6	12416.0	12602.6	12340.2	12232.1	11882.7
60°	7781.9	7898.4	8565.0	9648.5	11129.1	12414.6	13145.8	13074.2	12984.4	12517.0
62.5°	6490.8	6625.5	7266.9	8525.7	10329.1	12062.3	13485.4	13688.9	13642.6	13102.3
65°	4984.9	5077.5	5716.1	7073.2	9084.3	11305.9	13524.7	14108.5	14116.9	13547.1
67.5°	3319.1	3585.7	4140.1	5307.7	7417.0	10069.5	13179.4	14177.3	14258.7	13700.1
70°	1619.5	1970.4	2513.5	3449.6	5307.7	8173.5	12277.0	13613.1	13794.1	13253.8
72.5°	672.2	785.9	1082.0	1702.3	3046.8	5515.4	10463.8	12083.4	12418.8	11743.8
75°	453.3	491.2	618.9	872.9	1388.0	2719.8	7546.1	9009.9	9550.2	8869.6
77.5°	349.4	373.3	450.5	610.5	825.2	1028.7	4039.0	5429.8	5709.1	5285.2
80°	275.1	293.3	336.8	444.9	585.2	550.1	1376.7	2460.2	2621.6	2199.1
82.5°	238.6	245.6	241.4	301.7	388.7	321.4	451.9	908.0	1002.0	727.0
85°	172.6	192.3	200.7	186.7	206.3	162.8	185.3	321.4	353.7	315.8
87.5°	70.2	103.9	127.7	120.7	75.8	46.3	57.5	94.0	108.1	117.9
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°
2962.6	0°	2962.6	2962.6	2962.6	2962.6	2962.6	2962.6	2962.6	2962.6	2962.6	2962.6
2964.0	2.5°	2965.4	2975.2	2982.3	2990.7	2996.3	3004.7	3021.5	3031.4	3032.8	3039.8
2986.5	5°	2992.1	3006.1	3021.5	3044.0	3069.3	3090.3	3122.6	3145.0	3153.5	3160.5
3041.2	7.5°	3049.6	3069.3	3097.3	3136.6	3173.1	3201.2	3240.5	3267.1	3293.8	3303.6
3128.2	10°	3135.2	3163.3	3204.0	3257.3	3296.6	3333.1	3373.8	3396.3	3422.9	3434.1
3232.1	12.5°	3241.9	3271.4	3324.7	3399.1	3435.6	3460.8	3474.8	3469.2	3474.8	3484.7
3357.0	15°	3364.0	3396.3	3456.6	3536.6	3561.9	3539.4	3508.5	3480.5	3476.3	3479.1
3508.5	17.5°	3508.5	3532.4	3602.6	3669.9	3651.7	3559.1	3491.7	3446.8	3424.3	3417.3
3702.2	20°	3710.6	3710.6	3768.2	3810.3	3688.2	3531.0	3425.7	3352.8	3306.4	3286.8
3966.0	22.5°	3956.2	3933.8	3970.3	3940.8	3681.1	3452.4	3306.4	3180.1	3110.0	3081.9
4335.1	25°	4267.8	4241.1	4231.3	4048.8	3630.6	3327.5	3090.3	2937.3	2875.6	2860.2
4867.0	27.5°	4737.9	4670.6	4542.8	4107.8	3538.0	3131.0	2837.7	2696.0	2660.9	2662.3
5550.5	30°	5363.8	5229.1	4916.2	4117.6	3386.4	2853.1	2579.5	2478.4	2461.6	2468.6
6124.5	32.5°	5943.5	5815.7	5297.9	4072.7	3153.5	2580.9	2347.9	2280.5	2255.3	2263.7
6562.4	35°	6398.2	6363.1	5651.5	4009.5	2867.2	2325.5	2140.2	2082.7	2033.5	2022.3
6975.0	37.5°	6827.6	6813.6	5916.8	3921.1	2583.7	2144.4	1973.2	1897.4	1825.8	1786.5
7431.1	40°	7299.1	7285.1	6090.8	3785.0	2332.5	1987.2	1823.0	1723.4	1635.0	1563.4
7947.5	42.5°	7829.6	7746.8	6173.6	3589.9	2119.2	1853.9	1700.9	1566.2	1449.7	1383.8
8531.3	45°	8409.2	8222.6	6172.2	3341.5	1939.5	1731.8	1570.4	1379.6	1271.5	1209.7
9130.6	47.5°	9023.9	8677.3	6096.4	3066.5	1765.5	1597.1	1368.3	1222.4	1150.8	1112.9
9781.8	50°	9658.3	9102.5	5967.3	2750.7	1587.3	1444.1	1242.0	1142.4	1087.6	1052.6
10427.4	52.5°	10254.7	9488.5	5811.5	2392.8	1406.2	1295.3	1185.9	1108.7	1051.2	1011.9
11053.3	55°	10809.1	9821.1	5591.2	2026.5	1258.9	1195.7	1159.2	1094.7	1028.7	982.4
11689.0	57.5°	11301.7	10037.2	5210.9	1682.7	1153.6	1126.9	1131.2	1070.8	995.0	955.7
12314.9	60°	11711.5	10195.8	4648.1	1364.1	1068.0	1059.6	1087.6	1025.9	937.5	892.6
12844.0	62.5°	11957.1	10193.0	3957.6	1117.1	995.0	997.8	1030.1	969.8	879.9	837.8
13120.5	65°	11936.0	9943.2	3199.8	955.7	924.8	927.7	969.8	908.0	832.2	807.0
12981.6	67.5°	11513.6	9334.1	2454.6	850.5	847.7	860.3	909.4	865.9	802.8	799.9
12153.5	70°	10369.8	8069.6	1768.3	766.3	767.7	785.9	850.5	839.2	787.3	792.9
10218.2	72.5°	8315.2	6152.6	1187.3	677.8	679.3	708.7	794.3	818.2	771.9	846.3
7250.0	75°	5537.9	3836.9	763.5	583.8	585.2	623.1	745.2	777.5	729.8	843.5
3772.4	77.5°	2660.9	1724.8	552.9	491.2	491.2	526.3	644.2	696.1	621.7	655.4
1212.5	80°	919.2	648.4	435.1	395.8	387.3	411.2	543.1	603.5	536.1	494.0
395.8	82.5°	362.1	336.8	349.4	307.3	279.3	294.7	422.4	498.2	394.4	356.5
223.1	85°	207.7	218.9	247.0	203.5	161.4	181.0	310.2	357.9	297.5	262.4
73.0	87.5°	56.1	77.2	113.7	105.3	73.0	77.2	147.4	197.9	171.2	131.9
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°
2962.6
3038.4
3159.1
3305.0
3439.8
3487.5
3488.9
3427.1
3282.6
3077.7
2863.0
2666.5
2492.5
2274.9
2030.7
1787.9
1570.4
1388.0
1206.9
1104.5
1039.9
995.0
964.1
930.5
872.9
825.2
805.6
804.2
791.5
857.5
850.5
600.7
463.1
355.1
268.1
136.1
0.0

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