

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: P849558

Luminaire Tested: **GLAN-SB6C-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849558
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-SB6C-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29266 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

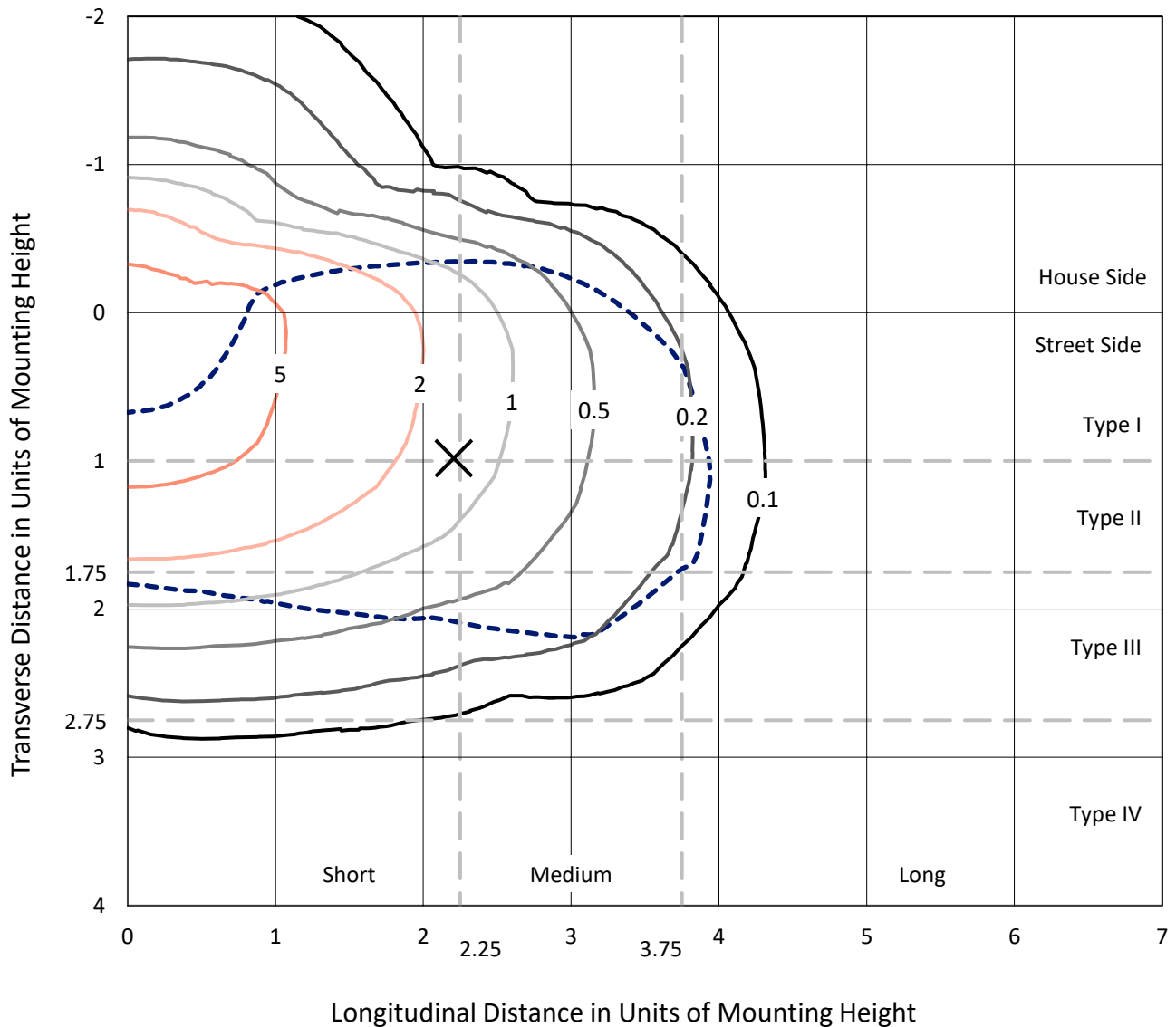
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

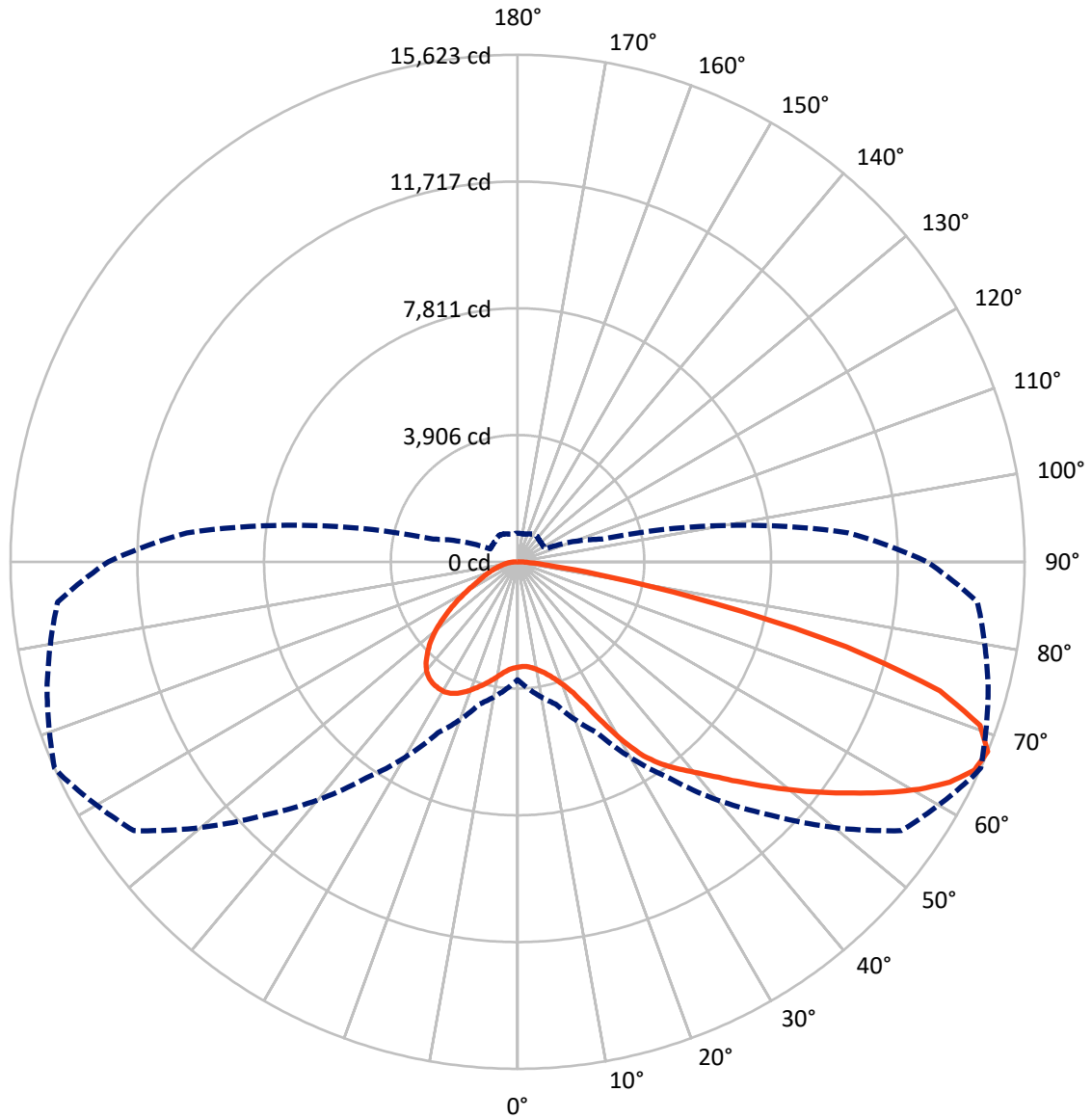
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	7276.9	0.0	7276.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	21989.1	0.0	21989.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	29266.0	0.0	29266.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.8	1.1
10°-20°	1063.3	3.6
20°-30°	2049.4	7.0
30°-40°	3593.4	12.3
40°-50°	5342.1	18.3
50°-60°	6771.7	23.1
60°-70°	6625.9	22.6
70°-80°	3160.6	10.8
80°-90°	337.8	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°	29266.0	100.0
0°-180°	29266.0	100.0

Coefficient of Utilization

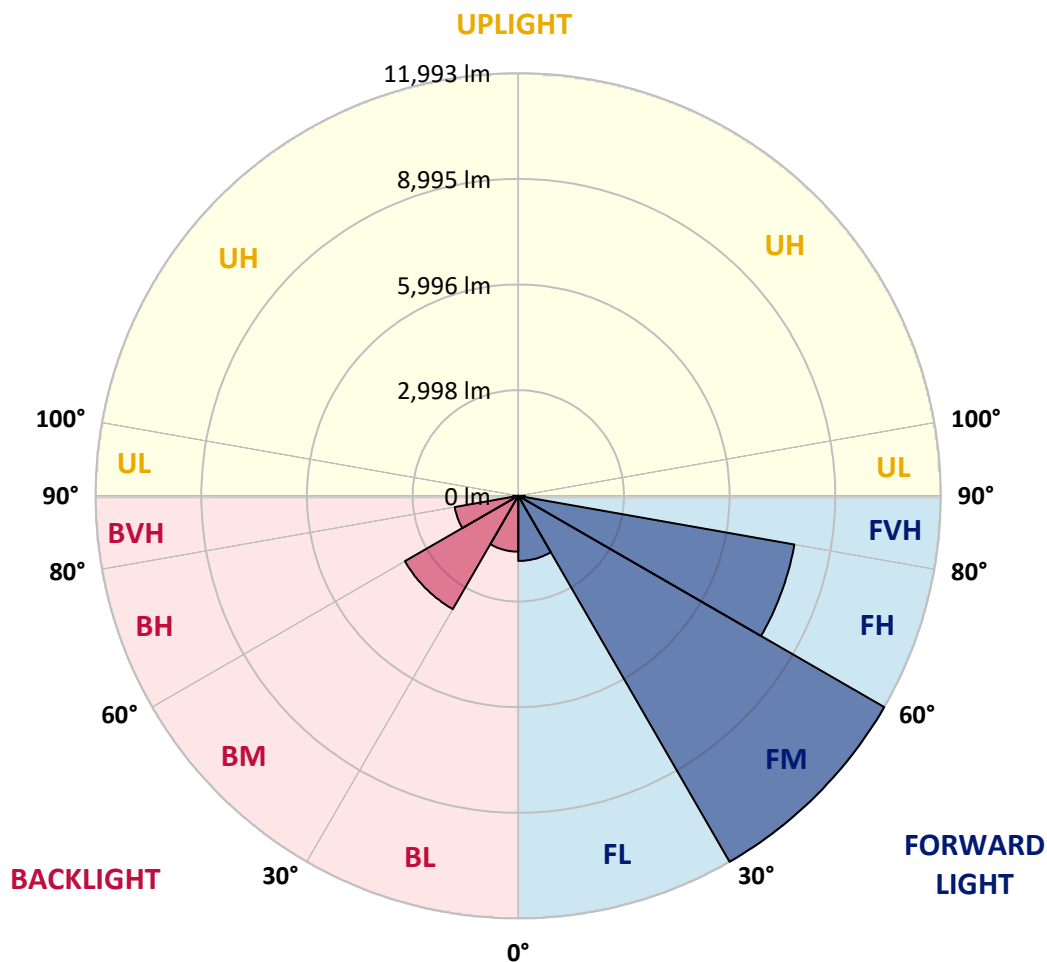


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1849.3	6.3			
FM (30°-60°)	11993.0	41.0			
FH (60°-80°)	7955.3	27.2			G4/12000
FVH (80°-90°)	191.5	0.7			G2/225
BL (0°-30°)	1585.2	5.4	B3/2500		
BM (30°-60°)	3714.2	12.7	B3/5000		
BH (60°-80°)	1831.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	146.3	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°	3246.0	3246.0	3246.0	3246.0	3246.0	3246.0	3246.0	3246.0	3246.0	3246.0
2.5°	3212.2	3230.6	3226.0	3218.3	3216.8	3219.8	3224.5	3229.1	3227.5	3235.2
5°	3202.9	3221.4	3219.8	3219.8	3226.0	3238.3	3246.0	3253.7	3246.0	3255.2
7.5°	3209.1	3222.9	3229.1	3235.2	3250.6	3273.7	3292.1	3309.0	3299.8	3310.6
10°	3287.5	3298.3	3304.4	3304.4	3315.2	3341.3	3359.8	3390.5	3382.8	3399.8
12.5°	3430.5	3441.3	3441.3	3435.1	3442.8	3459.7	3465.9	3499.7	3485.9	3513.5
15°	3605.8	3627.3	3610.4	3599.6	3602.7	3619.6	3618.1	3644.2	3630.4	3653.5
17.5°	3799.5	3827.2	3799.5	3798.0	3791.9	3810.3	3811.8	3834.9	3810.3	3827.2
20°	4028.7	4067.1	4044.0	4051.7	4037.9	4045.6	4053.3	4087.1	4048.6	4060.9
22.5°	4351.6	4397.7	4373.1	4402.3	4393.1	4386.9	4385.4	4445.4	4385.4	4390.0
25°	4822.1	4877.4	4834.4	4874.4	4874.4	4894.4	4917.4	4994.3	4894.4	4865.1
27.5°	5517.1	5572.5	5487.9	5512.5	5504.8	5554.0	5529.4	5720.1	5612.4	5564.8
30°	6353.6	6452.0	6292.1	6285.9	6278.2	6356.7	6392.0	6518.1	6408.9	6361.3
32.5°	7257.7	7360.7	7170.1	7114.7	7085.5	7133.2	7104.0	7205.4	7130.1	7056.3
35°	8214.1	8315.6	8134.2	8026.6	7909.7	7809.7	7705.2	7731.3	7660.6	7548.3
37.5°	9118.3	9304.3	9112.1	8996.8	8781.5	8586.3	8294.1	8172.6	8106.5	8003.5
40°	10039.3	10145.4	9999.4	9900.9	9667.2	9361.2	8893.8	8637.0	8547.8	8447.9
42.5°	10717.4	10818.9	10740.5	10672.9	10489.9	10134.7	9530.4	9209.0	9079.8	8967.6
45°	11255.6	11331.0	11281.8	11306.4	11227.9	10883.5	10190.0	9822.5	9688.8	9551.9
47.5°	11472.4	11552.4	11630.8	11776.9	11910.7	11656.9	10898.9	10486.8	10345.3	10205.4
50°	11447.8	11529.3	11756.9	12067.5	12482.7	12398.1	11646.2	11194.1	11063.4	10903.5
52.5°	11251.0	11343.3	11635.4	12152.1	12813.3	12953.2	12407.3	11924.5	11801.5	11610.8
55°	10734.4	10789.7	11227.9	11959.9	12891.7	13340.7	13153.1	12702.6	12579.5	12313.5
57.5°	9776.4	9856.4	10494.5	11441.7	12694.9	13603.6	13808.1	13520.6	13402.2	13019.3
60°	8526.3	8653.9	9384.3	10571.4	12193.6	13602.1	14403.2	14324.8	14226.4	13714.3
62.5°	7111.6	7259.3	7962.0	9341.2	11317.1	13216.1	14775.3	14998.3	14947.5	14355.5
65°	5461.7	5563.2	6262.9	7749.8	9953.2	12387.3	14818.4	15458.0	15467.3	14843.0
67.5°	3636.6	3928.7	4536.1	5815.4	8126.5	11032.7	14440.1	15533.4	15622.6	15010.6
70°	1774.5	2158.9	2753.9	3779.6	5815.4	8955.3	13451.4	14915.2	15113.6	14521.6
72.5°	736.5	861.1	1185.5	1865.2	3338.2	6043.0	11464.7	13239.2	13606.7	12867.1
75°	496.7	538.2	678.1	956.4	1520.7	2980.0	8268.0	9871.7	10463.7	9718.0
77.5°	382.9	409.0	493.6	668.9	904.1	1127.1	4425.4	5949.2	6255.2	5790.8
80°	301.4	321.4	369.0	487.4	641.2	602.8	1508.4	2695.5	2872.3	2409.5
82.5°	261.4	269.1	264.5	330.6	425.9	352.1	495.1	994.9	1097.9	796.5
85°	189.1	210.7	219.9	204.5	226.0	178.4	203.0	352.1	387.5	346.0
87.5°	76.9	113.8	139.9	132.2	83.0	50.7	63.0	103.0	118.4	129.2
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°
3246.0	0°	3246.0	3246.0	3246.0	3246.0	3246.0	3246.0	3246.0	3246.0	3246.0	3246.0
3247.5	2.5°	3249.1	3259.8	3267.5	3276.7	3282.9	3292.1	3310.6	3321.3	3322.9	3330.6
3272.1	5°	3278.3	3293.7	3310.6	3335.2	3362.8	3385.9	3421.3	3445.9	3455.1	3462.8
3332.1	7.5°	3341.3	3362.8	3393.6	3436.7	3476.6	3507.4	3550.4	3579.7	3608.9	3619.6
3427.4	10°	3435.1	3465.9	3510.5	3568.9	3611.9	3651.9	3696.5	3721.1	3750.3	3762.6
3541.2	12.5°	3552.0	3584.3	3642.7	3724.2	3764.2	3791.9	3807.2	3801.1	3807.2	3818.0
3678.1	15°	3685.8	3721.1	3787.2	3874.9	3902.6	3878.0	3844.1	3813.4	3808.8	3811.8
3844.1	17.5°	3844.1	3870.3	3947.2	4021.0	4001.0	3899.5	3825.7	3776.5	3751.9	3744.2
4056.3	20°	4065.6	4065.6	4128.6	4174.7	4041.0	3868.7	3753.4	3673.5	3622.7	3601.2
4345.4	22.5°	4334.6	4310.0	4350.0	4317.7	4033.3	3782.6	3622.7	3484.3	3407.4	3376.7
4749.8	25°	4676.0	4646.8	4636.0	4436.1	3977.9	3645.8	3385.9	3218.3	3150.7	3133.7
5332.6	27.5°	5191.1	5117.3	4977.4	4500.7	3876.4	3430.5	3109.1	2953.8	2915.4	2916.9
6081.4	30°	5876.9	5729.3	5386.4	4511.5	3710.4	3126.0	2826.2	2715.5	2697.0	2704.7
6710.3	32.5°	6512.0	6372.0	5804.6	4462.3	3455.1	2827.7	2572.5	2498.7	2471.0	2480.2
7190.1	35°	7010.2	6971.7	6192.1	4393.1	3141.4	2547.9	2344.9	2281.9	2228.1	2215.8
7642.1	37.5°	7480.7	7465.3	6482.7	4296.2	2830.8	2349.5	2161.9	2078.9	2000.5	1957.4
8141.9	40°	7997.3	7982.0	6673.4	4147.1	2555.6	2177.3	1997.4	1888.2	1791.4	1712.9
8707.7	42.5°	8578.6	8487.8	6764.1	3933.3	2321.9	2031.2	1863.6	1716.0	1588.4	1516.1
9347.4	45°	9213.6	9009.1	6762.6	3661.2	2125.0	1897.5	1720.6	1511.5	1393.1	1325.5
10004.0	47.5°	9887.1	9507.3	6679.6	3359.8	1934.4	1749.8	1499.2	1339.3	1260.9	1219.4
10717.4	50°	10582.1	9973.2	6538.1	3013.8	1739.1	1582.2	1360.8	1251.6	1191.7	1153.2
11424.8	52.5°	11235.6	10396.1	6367.4	2621.7	1540.7	1419.3	1299.3	1214.7	1151.7	1108.6
12110.6	55°	11843.0	10760.5	6126.0	2220.4	1379.3	1310.1	1270.1	1199.4	1127.1	1076.4
12807.1	57.5°	12382.7	10997.3	5709.3	1843.6	1264.0	1234.7	1239.3	1173.2	1090.2	1047.1
13492.9	60°	12831.7	11171.1	5092.7	1494.6	1170.2	1160.9	1191.7	1124.0	1027.2	977.9
14072.6	62.5°	13100.8	11168.0	4336.2	1224.0	1090.2	1093.3	1128.6	1062.5	964.1	918.0
14375.5	65°	13077.7	10894.3	3505.8	1047.1	1013.3	1016.4	1062.5	994.9	911.8	884.2
14223.3	67.5°	12614.9	10226.9	2689.4	931.8	928.7	942.6	996.4	948.7	879.5	876.5
13316.1	70°	11361.7	8841.5	1937.4	839.6	841.1	861.1	931.8	919.5	862.6	868.8
11195.7	72.5°	9110.6	6741.1	1300.9	742.7	744.2	776.5	870.3	896.5	845.7	927.2
7943.5	75°	6067.6	4203.9	836.5	639.7	641.2	682.7	816.5	851.9	799.6	924.1
4133.2	77.5°	2915.4	1889.8	605.8	538.2	538.2	576.6	705.8	762.7	681.2	718.1
1328.5	80°	1007.2	710.4	476.7	433.6	424.4	450.5	595.1	661.2	587.4	541.3
433.6	82.5°	396.7	369.0	382.9	336.7	306.0	322.9	462.8	545.9	432.1	390.6
244.5	85°	227.6	239.9	270.6	223.0	176.8	198.4	339.8	392.1	326.0	287.5
80.0	87.5°	61.5	84.6	124.5	115.3	80.0	84.6	161.5	216.8	187.6	144.5
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°
3246.0
3329.0
3461.3
3621.2
3768.8
3821.1
3822.6
3754.9
3596.6
3372.1
3136.8
2921.5
2730.9
2492.5
2225.0
1959.0
1720.6
1520.7
1322.4
1210.1
1139.4
1090.2
1056.4
1019.5
956.4
904.1
882.6
881.1
867.2
939.5
931.8
658.1
507.4
389.0
293.7
149.2
0.0

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