

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: P849338

Luminaire Tested: **GLAN-SB6B-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849338
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-SB6B-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27244 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

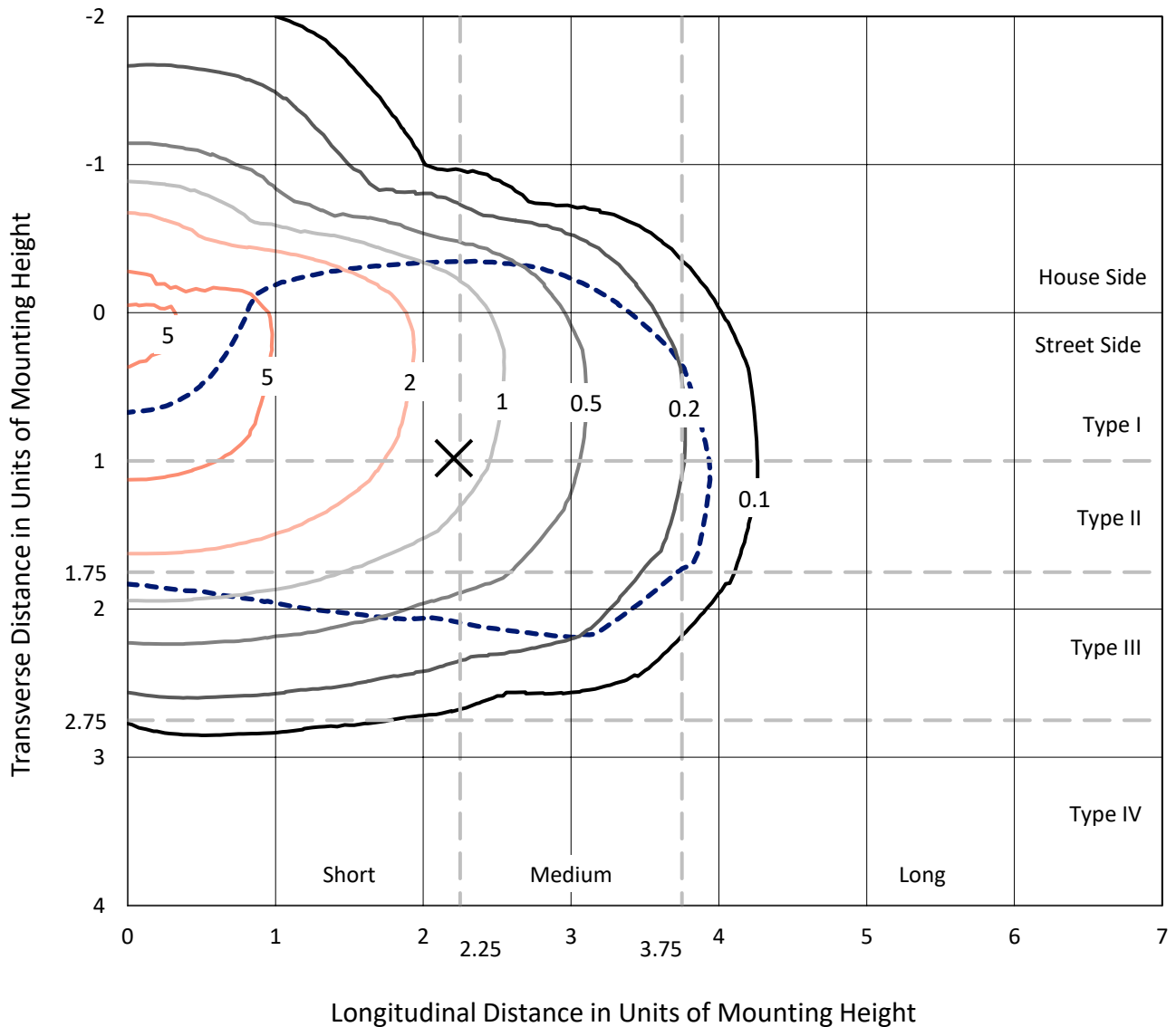
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

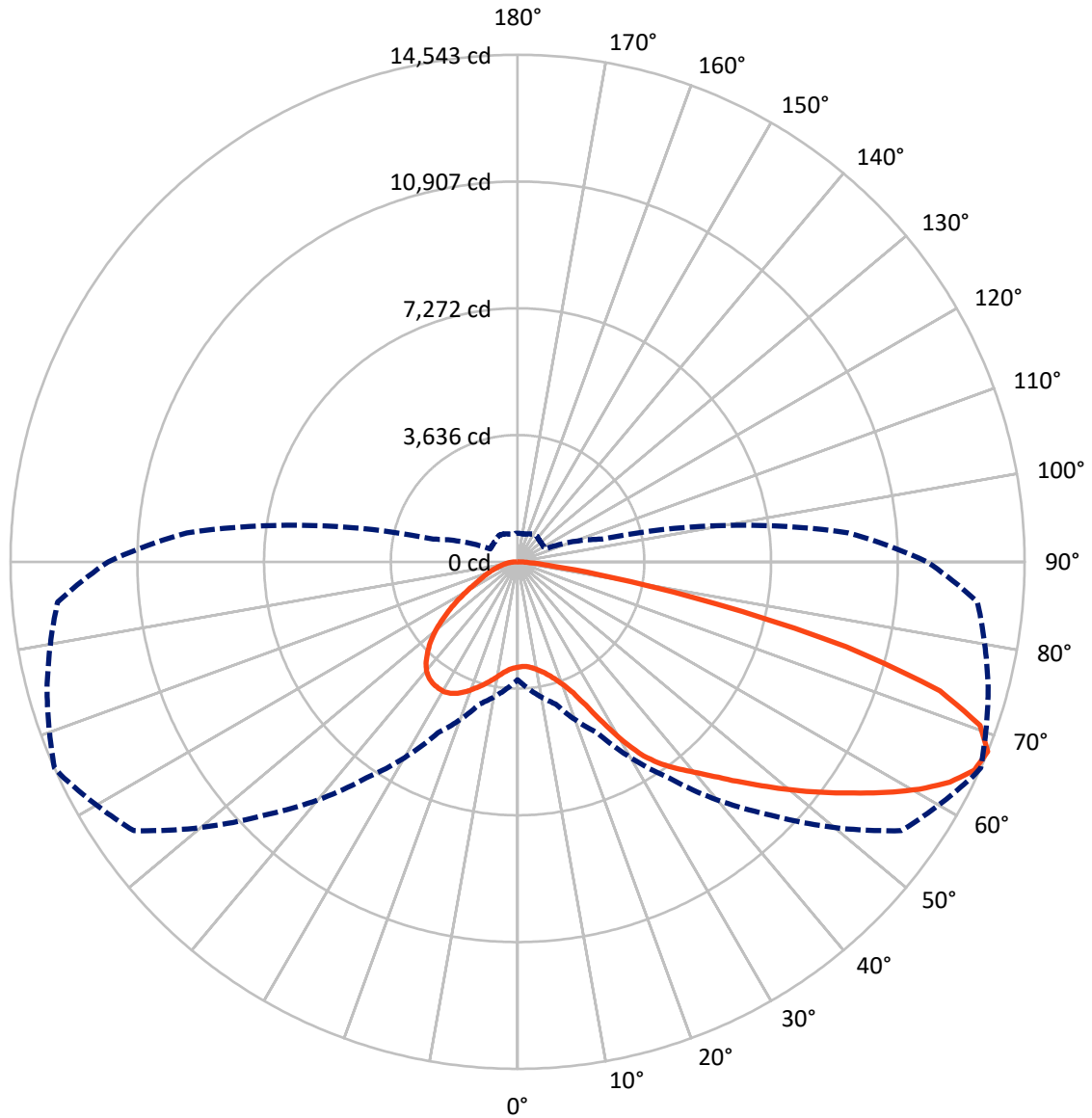
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	6774.2	0.0	6774.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	20469.9	0.0	20469.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	27244.0	0.0	27244.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.6	1.1
10°-20°	989.8	3.6
20°-30°	1907.8	7.0
30°-40°	3345.1	12.3
40°-50°	4973.0	18.3
50°-60°	6303.8	23.1
60°-70°	6168.1	22.6
70°-80°	2942.3	10.8
80°-90°	314.4	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°	27244.0	100.0
0°-180°	27244.0	100.0

Coefficient of Utilization



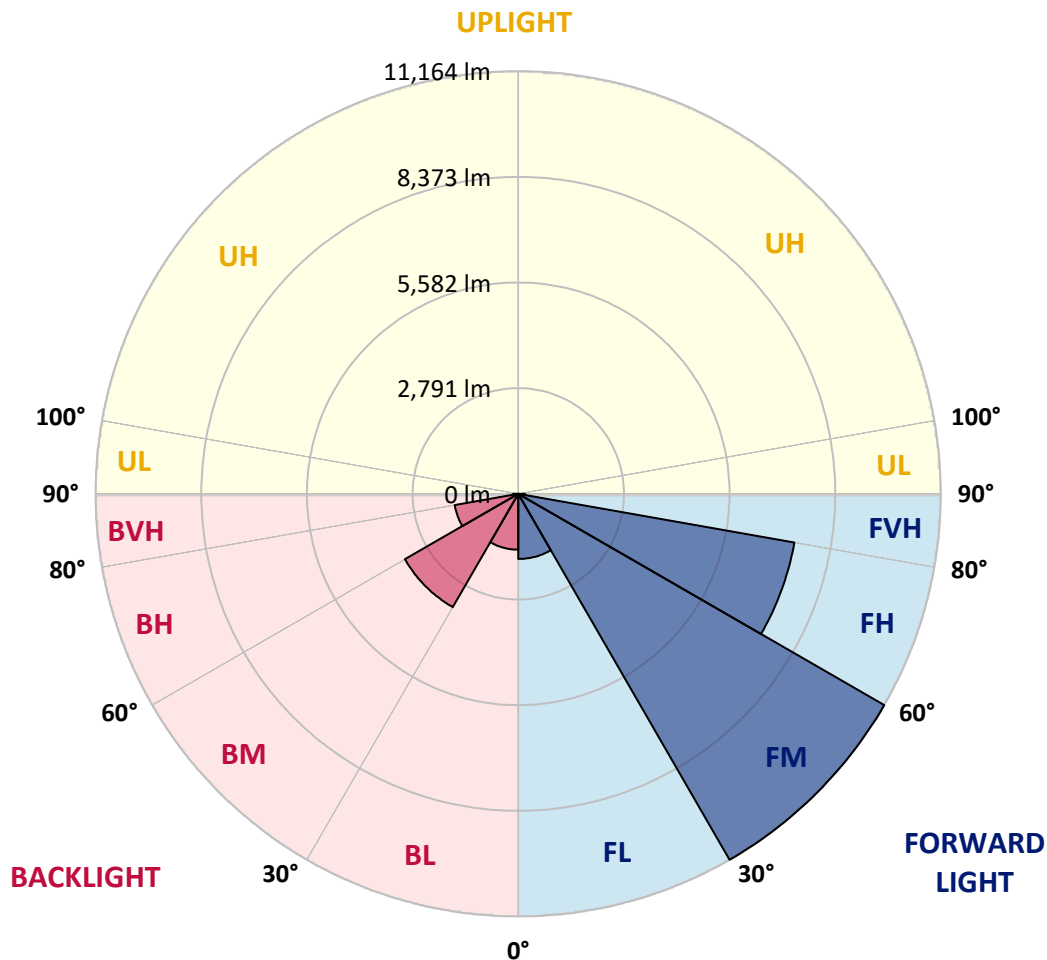
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1721.6	6.3			
FM (30°-60°)	11164.4	41.0			
FH (60°-80°)	7405.7	27.2			G3/7500
FVH (80°-90°)	178.3	0.7			G2/225
BL (0°-30°)	1475.7	5.4	B3/2500		
BM (30°-60°)	3457.6	12.7	B3/5000		
BH (60°-80°)	1704.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	136.2	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°	3021.7	3021.7	3021.7	3021.7	3021.7	3021.7	3021.7	3021.7	3021.7	3021.7
2.5°	2990.2	3007.4	3003.1	2996.0	2994.5	2997.4	3001.7	3006.0	3004.5	3011.7
5°	2981.6	2998.8	2997.4	2997.4	3003.1	3014.6	3021.7	3028.9	3021.7	3030.3
7.5°	2987.4	3000.2	3006.0	3011.7	3026.0	3047.5	3064.7	3080.4	3071.8	3081.8
10°	3060.4	3070.4	3076.1	3076.1	3086.1	3110.5	3127.6	3156.3	3149.1	3164.9
12.5°	3193.5	3203.5	3203.5	3197.8	3204.9	3220.7	3226.4	3257.9	3245.0	3270.8
15°	3356.7	3376.7	3361.0	3350.9	3353.8	3369.6	3368.1	3392.5	3379.6	3401.0
17.5°	3537.0	3562.8	3537.0	3535.6	3529.9	3547.0	3548.5	3570.0	3547.0	3562.8
20°	3750.3	3786.1	3764.6	3771.8	3758.9	3766.1	3773.2	3804.7	3768.9	3780.4
22.5°	4050.9	4093.9	4070.9	4098.1	4089.6	4083.8	4082.4	4138.2	4082.4	4086.7
25°	4488.9	4540.5	4500.4	4537.6	4537.6	4556.2	4577.7	4649.2	4556.2	4529.0
27.5°	5135.9	5187.5	5108.7	5131.6	5124.5	5170.3	5147.4	5324.9	5224.7	5180.3
30°	5914.6	6006.2	5857.4	5851.6	5844.5	5917.5	5950.4	6067.8	5966.1	5921.8
32.5°	6756.3	6852.2	6674.7	6623.2	6596.0	6640.3	6613.1	6707.6	6637.5	6568.8
35°	7646.6	7741.1	7572.2	7472.0	7363.2	7270.2	7172.8	7197.2	7131.3	7026.8
37.5°	8488.3	8661.5	8482.6	8375.2	8174.8	7993.0	7721.1	7608.0	7546.4	7450.5
40°	9345.7	9444.5	9308.5	9216.9	8999.3	8714.5	8279.3	8040.3	7957.2	7864.2
42.5°	9977.0	10071.4	9998.4	9935.5	9765.1	9434.5	8871.9	8572.8	8452.5	8348.0
45°	10478.0	10548.1	10502.3	10525.2	10452.2	10131.6	9486.0	9143.9	9019.4	8892.0
47.5°	10679.8	10754.2	10827.2	10963.2	11087.8	10851.6	10145.9	9762.3	9630.6	9500.3
50°	10656.9	10732.8	10944.6	11233.8	11620.2	11541.5	10841.5	10420.7	10299.0	10150.2
52.5°	10473.7	10559.6	10831.5	11312.5	11928.0	12058.3	11550.1	11100.6	10986.1	10808.6
55°	9992.7	10044.2	10452.2	11133.6	12001.0	12419.0	12244.3	11824.9	11710.4	11462.8
57.5°	9100.9	9175.4	9769.4	10651.2	11817.8	12663.7	12854.1	12586.4	12476.2	12119.8
60°	7937.2	8056.0	8735.9	9841.0	11351.1	12662.3	13408.1	13335.1	13243.5	12766.8
62.5°	6620.3	6757.7	7411.9	8695.9	10535.2	12303.0	13754.5	13962.0	13914.8	13363.7
65°	5084.4	5178.9	5830.2	7214.3	9265.6	11531.5	13794.6	14390.0	14398.6	13817.5
67.5°	3385.3	3657.3	4222.7	5413.6	7565.0	10270.4	13442.4	14460.2	14543.2	13973.5
70°	1651.9	2009.7	2563.7	3518.4	5413.6	8336.6	12522.0	13884.7	14069.4	13518.3
72.5°	685.6	801.6	1103.6	1736.3	3107.6	5625.5	10672.6	12324.5	12666.6	11978.1
75°	462.3	501.0	631.3	890.3	1415.7	2774.1	7696.7	9189.7	9740.8	9046.6
77.5°	356.4	380.8	459.5	622.7	841.7	1049.2	4119.6	5538.1	5823.0	5390.7
80°	280.6	299.2	343.5	453.8	596.9	561.1	1404.2	2509.3	2673.9	2243.0
82.5°	243.3	250.5	246.2	307.8	396.5	327.8	460.9	926.1	1022.0	741.5
85°	176.1	196.1	204.7	190.4	210.4	166.0	188.9	327.8	360.7	322.1
87.5°	71.6	105.9	130.3	123.1	77.3	47.2	58.7	95.9	110.2	120.2
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°
3021.7	0°	3021.7	3021.7	3021.7	3021.7	3021.7	3021.7	3021.7	3021.7	3021.7	3021.7
3023.2	2.5°	3024.6	3034.6	3041.8	3050.3	3056.1	3064.7	3081.8	3091.9	3093.3	3100.4
3046.1	5°	3051.8	3066.1	3081.8	3104.7	3130.5	3152.0	3184.9	3207.8	3216.4	3223.5
3101.9	7.5°	3110.5	3130.5	3159.1	3199.2	3236.4	3265.1	3305.1	3332.3	3359.5	3369.6
3190.6	10°	3197.8	3226.4	3267.9	3322.3	3362.4	3399.6	3441.1	3464.0	3491.2	3502.7
3296.6	12.5°	3306.6	3336.6	3391.0	3466.9	3504.1	3529.9	3544.2	3538.5	3544.2	3554.2
3423.9	15°	3431.1	3464.0	3525.6	3607.2	3632.9	3610.0	3578.5	3549.9	3545.6	3548.5
3578.5	17.5°	3578.5	3602.9	3674.4	3743.2	3724.5	3630.1	3561.4	3515.6	3492.7	3485.5
3776.1	20°	3784.7	3784.7	3843.4	3886.3	3761.8	3601.4	3494.1	3419.7	3372.4	3352.4
4045.2	22.5°	4035.2	4012.3	4049.5	4019.4	3754.6	3521.3	3372.4	3243.6	3172.0	3143.4
4421.6	25°	4352.9	4325.7	4315.7	4129.6	3703.1	3393.9	3152.0	2996.0	2933.0	2917.2
4964.2	27.5°	4832.5	4763.8	4633.5	4189.8	3608.6	3193.5	2894.3	2749.8	2714.0	2715.4
5661.3	30°	5470.9	5333.5	5014.3	4199.8	3454.0	2910.1	2630.9	2527.9	2510.7	2517.9
6246.7	32.5°	6062.0	5931.8	5403.6	4154.0	3216.4	2632.4	2394.8	2326.1	2300.3	2308.9
6693.3	35°	6525.8	6490.0	5764.3	4089.6	2924.4	2371.9	2182.9	2124.2	2074.1	2062.7
7114.1	37.5°	6963.8	6949.5	6034.9	3999.4	2635.2	2187.2	2012.6	1935.3	1862.3	1822.2
7579.3	40°	7444.8	7430.5	6212.3	3860.5	2379.0	2026.9	1859.4	1757.8	1667.6	1594.6
8106.1	42.5°	7985.9	7901.4	6296.8	3661.6	2161.4	1890.9	1734.9	1597.5	1478.7	1411.4
8701.6	45°	8577.0	8386.7	6295.4	3408.2	1978.2	1766.4	1601.8	1407.1	1296.9	1233.9
9312.8	47.5°	9204.0	8850.4	6218.1	3127.6	1800.7	1629.0	1395.6	1246.8	1173.8	1135.1
9977.0	50°	9851.0	9284.2	6086.4	2805.6	1618.9	1472.9	1266.8	1165.2	1109.3	1073.6
10635.4	52.5°	10459.4	9677.8	5927.5	2440.6	1434.3	1321.2	1209.5	1130.8	1072.1	1032.1
11273.8	55°	11024.8	10017.1	5702.8	2067.0	1284.0	1219.6	1182.3	1116.5	1049.2	1002.0
11922.3	57.5°	11527.2	10237.5	5314.8	1716.3	1176.6	1149.4	1153.7	1092.2	1014.9	974.8
12560.7	60°	11945.2	10399.2	4740.9	1391.3	1089.3	1080.7	1109.3	1046.4	956.2	910.4
13100.3	62.5°	12195.7	10396.4	4036.6	1139.4	1014.9	1017.7	1050.7	989.1	897.5	854.6
13382.3	65°	12174.2	10141.6	3263.6	974.8	943.3	946.2	989.1	926.1	848.8	823.1
13240.6	67.5°	11743.3	9520.3	2503.5	867.4	864.6	877.5	927.6	883.2	818.8	815.9
12396.1	70°	10576.7	8230.6	1803.6	781.6	783.0	801.6	867.4	856.0	803.0	808.8
10422.1	72.5°	8481.1	6275.3	1211.0	691.4	692.8	722.9	810.2	834.5	787.3	863.1
7394.7	75°	5648.4	3913.5	778.7	595.5	596.9	635.5	760.1	793.0	744.3	860.3
3847.6	77.5°	2714.0	1759.2	564.0	501.0	501.0	536.8	657.0	710.0	634.1	668.5
1236.7	80°	937.6	661.3	443.7	403.7	395.1	419.4	554.0	615.5	546.8	503.9
403.7	82.5°	369.3	343.5	356.4	313.5	284.9	300.6	430.9	508.2	402.2	363.6
227.6	85°	211.8	223.3	251.9	207.6	164.6	184.7	316.3	365.0	303.5	267.7
74.4	87.5°	57.3	78.7	115.9	107.4	74.4	78.7	150.3	201.8	174.6	134.6
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°
3021.7
3099.0
3222.1
3371.0
3508.4
3557.1
3558.5
3495.5
3348.1
3139.1
2920.1
2719.7
2542.2
2320.3
2071.3
1823.6
1601.8
1415.7
1231.0
1126.5
1060.7
1014.9
983.4
949.0
890.3
841.7
821.6
820.2
807.3
874.6
867.4
612.6
472.4
362.1
273.4
138.8
0.0

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