

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: P957352

Luminaire Tested: **GLAN-SB9D-727-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-727-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 85450 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 658
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

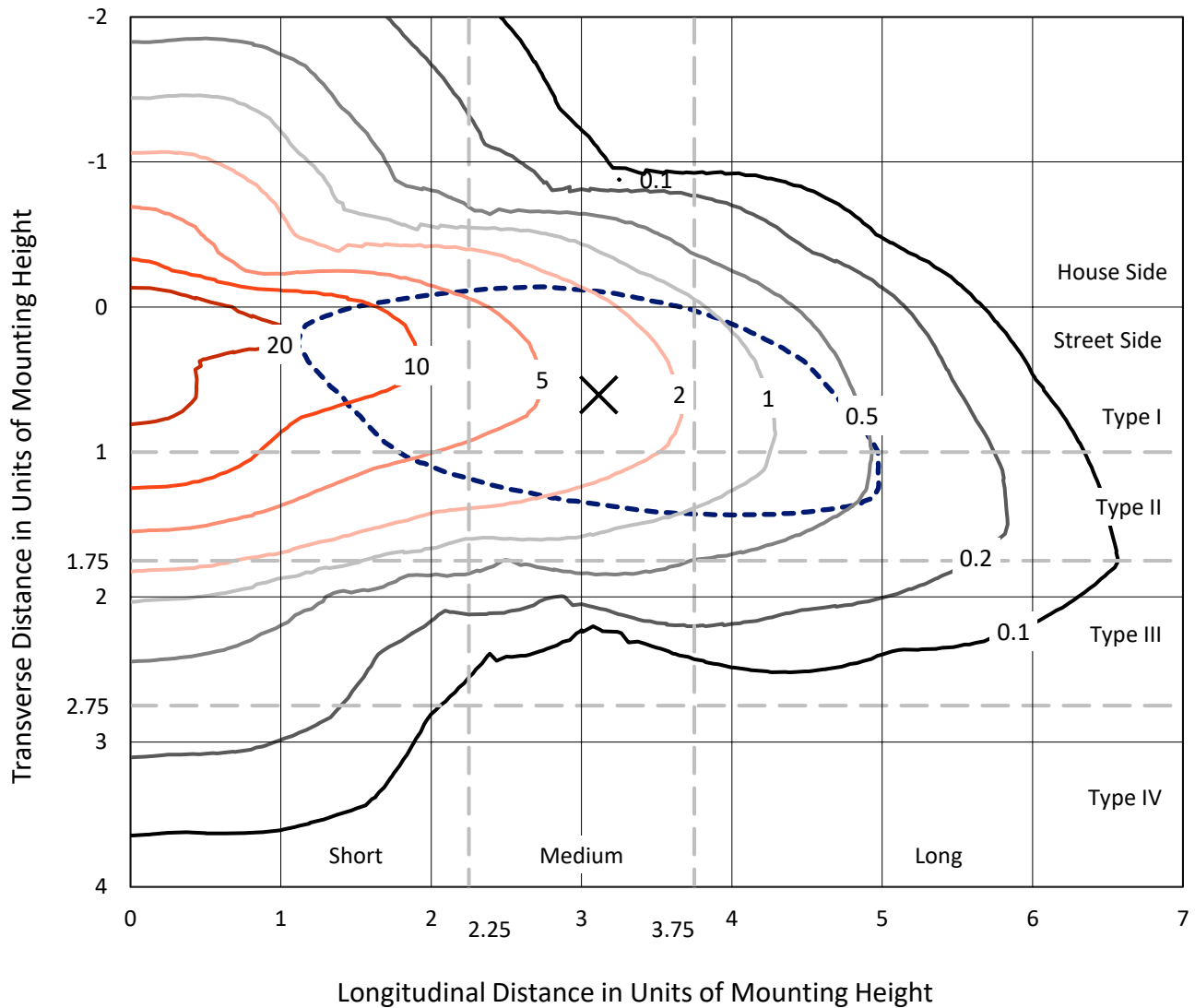


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

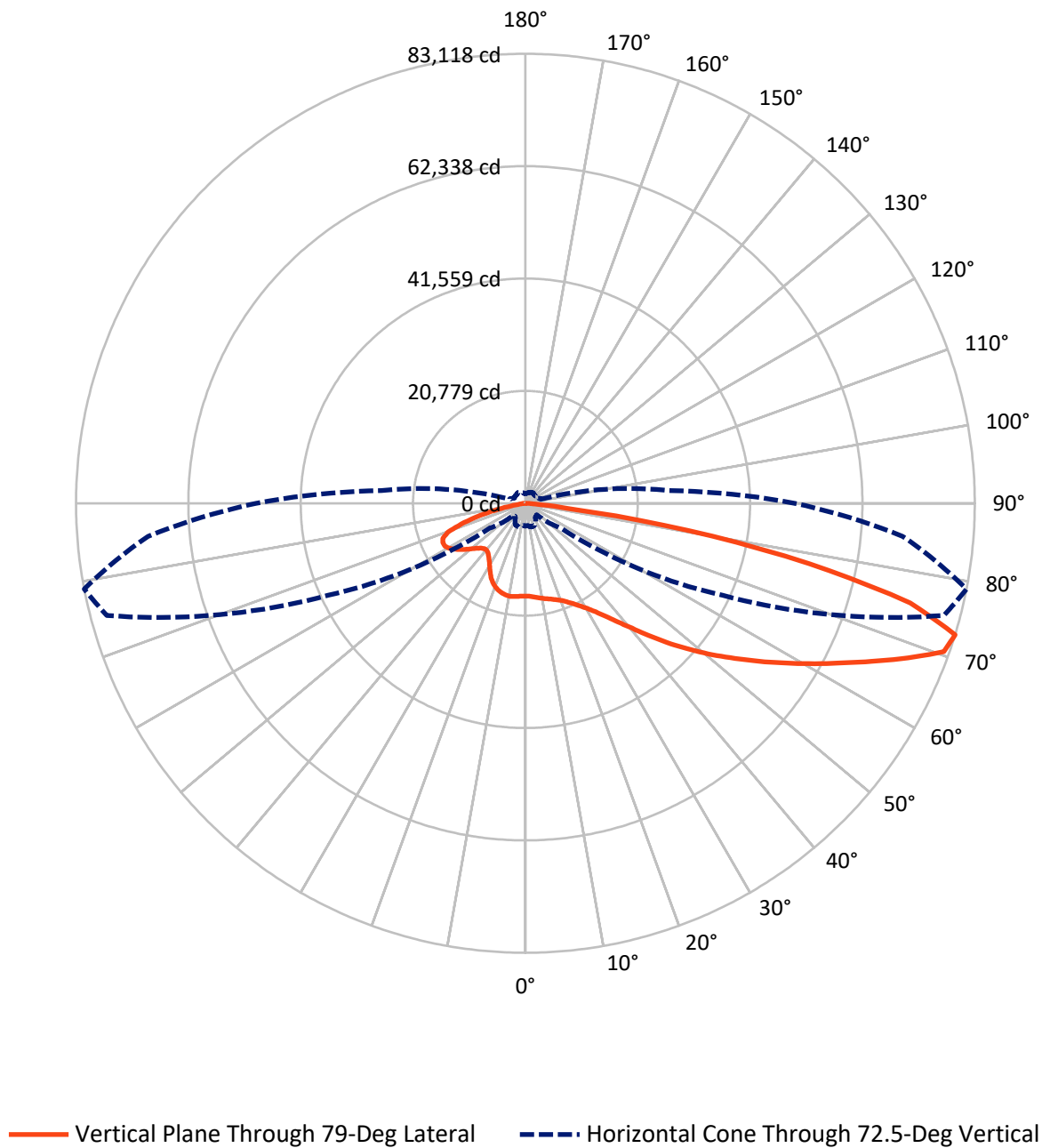


Based on 25 foot mounting height. Maximum calculated value = 27.6 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18803.7	0.0	18803.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	66646.3	0.0	66646.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	85450.0	0.0	85450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1557.0	1.8
10°-20°	4070.8	4.8
20°-30°	6568.7	7.7
30°-40°	9858.6	11.5
40°-50°	13985.0	16.4
50°-60°	17661.2	20.7
60°-70°	17937.4	21.0
70°-80°	12225.1	14.3
80°-90°	1586.1	1.9
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°	85450.0	100.0
0°-180°	85450.0	100.0

Coefficient of Utilization



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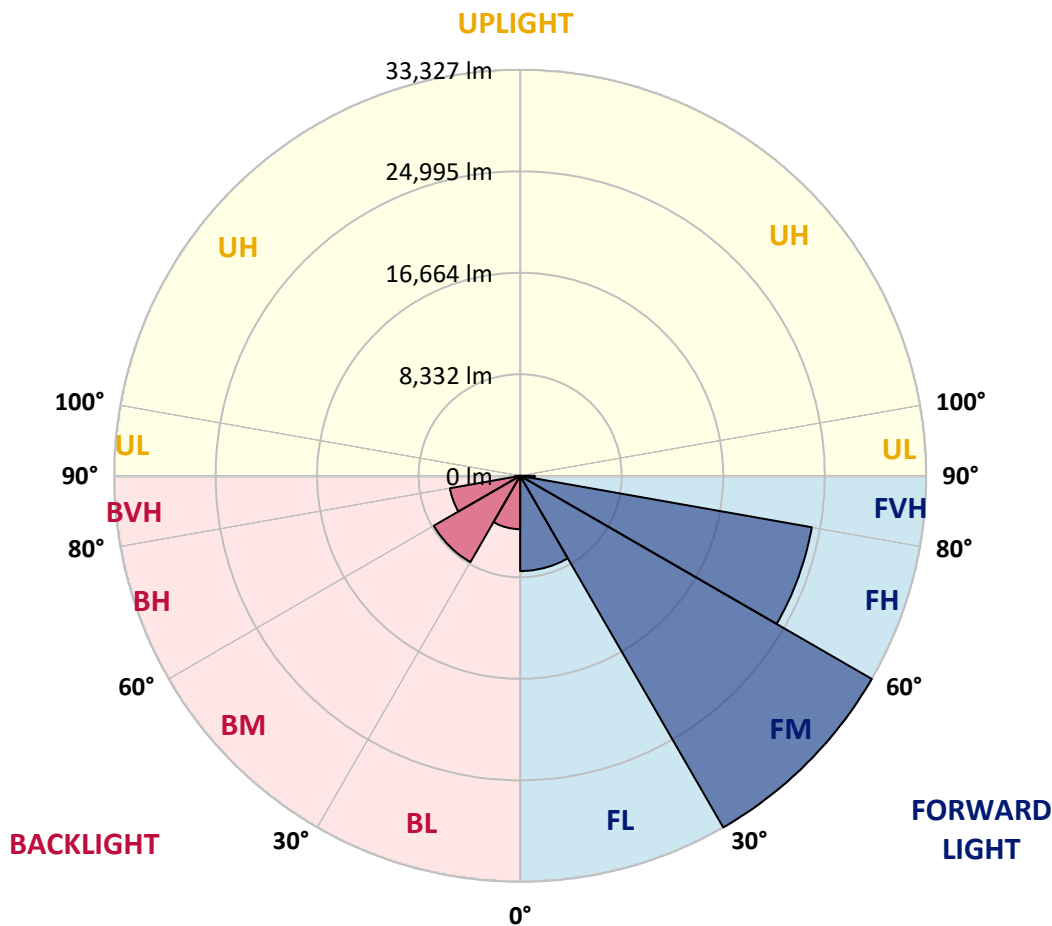
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7816.6	9.1			
FM	(30°-60°)	33327.2	39.0			
FH	(60°-80°)	24307.6	28.4			G5
FVH	(80°-90°)	1194.8	1.4			G5
BL	(0°-30°)	4379.9	5.1	B4/5000		
BM	(30°-60°)	8177.6	9.6	B4/8500		
BH	(60°-80°)	5854.9	6.9	B5		G5
BVH	(80°-90°)	391.3	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	17153.3	17153.3	17153.3	17153.3	17153.3	17153.3	17153.3	17153.3	17153.3	17153.3
2.5°	17162.3	17081.0	17130.7	17112.6	17135.2	17162.3	17171.4	17184.9	17230.1	17225.6
5°	17126.2	17044.8	17112.6	17090.0	17148.8	17212.0	17266.3	17316.0	17388.3	17420.0
7.5°	17049.3	16995.1	17062.9	17130.7	17239.2	17334.1	17410.9	17523.9	17627.9	17646.0
10°	16601.8	16561.2	16719.4	16895.6	17194.0	17451.6	17618.8	17749.9	17862.9	17881.0
12.5°	16136.3	16086.6	16262.8	16502.4	16986.0	17451.6	17804.2	17975.9	18075.3	18134.1
15°	16059.4	16018.8	16118.2	16326.1	16728.4	17329.6	17930.7	18247.1	18333.0	18400.8
17.5°	16430.1	16353.2	16393.9	16466.2	16701.3	17216.6	18030.1	18554.5	18685.5	18757.9
20°	17288.9	17180.4	17117.1	16972.5	16931.8	17234.6	18021.1	18925.1	19096.9	19187.3
22.5°	18432.4	18360.1	18224.5	17858.4	17460.6	17456.1	18192.9	19399.7	19720.6	19806.5
25°	19815.5	19707.1	19535.3	19038.1	18274.2	17894.5	18482.1	20005.4	20543.3	20565.9
27.5°	21406.6	21243.8	21008.8	20353.4	19322.9	18581.6	18925.1	20701.4	21487.9	21478.9
30°	23083.5	22920.8	22672.2	21876.6	20579.4	19508.2	19539.8	21451.8	22608.9	22559.2
32.5°	24308.4	24186.3	24136.6	23521.9	22025.8	20602.0	20244.9	22283.4	23992.0	23946.8
35°	25248.5	25090.3	25149.1	24837.2	23603.3	21826.9	21108.2	23273.3	25673.4	25668.9
37.5°	26179.6	26039.5	26089.2	25881.3	25063.2	23381.8	22161.4	24484.7	27757.1	27856.6
40°	27029.4	26880.2	27079.1	26884.8	26197.7	25036.1	23359.2	25854.2	30170.8	30360.6
42.5°	27540.2	27422.6	27752.6	27757.1	27183.1	26432.8	24674.5	27363.9	32964.1	33389.0
45°	27716.4	27675.8	28173.0	28276.9	28055.4	27241.8	25858.7	29009.1	35974.4	36733.8
47.5°	27526.6	27449.8	28136.8	28521.0	28697.3	27621.5	26839.6	30790.0	39048.0	40159.9
50°	26568.4	26419.2	27440.7	28249.8	28878.1	27870.1	27829.4	32846.6	42541.9	43757.8
52.5°	24846.3	24733.3	25894.9	27300.6	28480.3	27992.2	28941.3	35093.0	45859.6	47432.5
55°	22645.0	22495.9	23775.0	25610.1	27490.4	27951.5	30053.3	37606.1	49773.9	51369.4
57.5°	19155.6	18857.3	20475.5	22645.0	25876.8	27901.8	31210.4	40105.7	53751.4	55663.4
60°	14066.1	13623.2	15607.4	18179.3	22721.9	27418.1	32643.2	42908.0	58524.5	60246.6
62.5°	8190.2	7932.5	9229.8	11629.9	17126.2	24570.5	33447.8	46166.9	63216.3	65024.2
65°	6359.6	6287.3	6400.3	6585.6	9532.6	18396.3	30966.3	49344.5	69182.6	70448.2
67.5°	5817.2	5763.0	5812.7	5464.6	4836.4	10246.8	24498.2	50149.0	75573.8	76342.2
70°	5170.8	5107.6	5270.3	4972.0	3805.8	4660.1	15828.9	47229.1	80658.8	82100.7
72.5°	4212.6	4140.3	4520.0	4384.4	3204.7	2992.2	7950.6	40291.0	80125.5	83117.7
75°	3236.3	3195.6	3647.6	3760.6	2612.5	2354.9	3814.9	29949.3	70511.5	73526.3
77.5°	2513.1	2481.5	2712.0	3123.3	2106.3	1826.1	2345.9	18997.4	53136.7	53665.6
80°	1884.8	1794.4	2006.9	2418.2	1640.7	1333.4	1591.0	11078.4	33587.9	30446.5
82.5°	1179.7	1134.5	1310.8	1613.6	1157.1	917.6	1035.1	6120.0	13460.5	7928.0
85°	673.5	655.4	714.2	922.1	628.3	528.8	592.1	2702.9	2458.9	1690.5
87.5°	271.2	262.2	325.4	411.3	230.5	194.4	207.9	650.9	542.4	501.7
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°
17153.3	0°	17153.3	17153.3	17153.3	17153.3	17153.3	17153.3	17153.3	17153.3	17153.3	17153.3
17221.1	2.5°	17203.0	17203.0	17139.7	17040.3	16927.3	16855.0	16737.4	16705.8	16583.8	16547.6
17374.8	5°	17410.9	17374.8	17180.4	16900.2	16516.0	16163.4	15774.7	15530.6	15187.1	15065.1
17677.6	7.5°	17673.1	17573.6	17239.2	16624.4	15819.9	15028.9	14206.3	13582.5	12985.9	12773.4
17926.2	10°	17912.6	17772.5	17203.0	16127.2	14735.1	13365.5	12054.8	11137.2	10441.1	10156.4
18201.9	12.5°	18152.2	17894.5	16963.4	15300.1	13193.8	11336.1	9939.4	9225.3	8795.9	8452.3
18427.9	15°	18378.2	18016.6	16592.8	14192.7	11503.3	9618.5	8587.9	8018.4	7674.9	7448.9
18757.9	17.5°	18640.3	18120.5	16036.8	12787.0	9894.2	8429.7	7589.0	7245.5	7177.7	7150.6
19209.9	20°	19006.5	18215.5	15304.6	11214.0	8710.0	7480.5	7046.6	7015.0	7010.5	6996.9
19752.3	22.5°	19399.7	18328.5	14337.3	9785.7	7702.0	6888.4	6811.6	6748.3	6707.6	6703.1
20407.7	25°	19865.3	18364.6	13126.0	8615.1	6843.2	6608.2	6517.8	6422.9	6395.8	6395.8
21153.4	27.5°	20317.3	18242.6	11715.8	7598.1	6359.6	6350.6	6233.0	6201.4	6196.9	6210.4
22003.2	30°	20769.2	18012.1	10314.6	6657.9	6079.4	6079.4	6038.7	6061.3	6079.4	6124.6
23169.4	32.5°	21379.4	17768.0	9143.9	5961.8	5835.3	5790.1	5830.8	5876.0	5894.0	5952.8
24701.6	35°	22274.4	17596.2	8212.8	5582.2	5582.2	5523.4	5546.0	5537.0	5496.3	5469.2
26554.8	37.5°	23458.6	17587.2	7444.4	5405.9	5369.7	5360.7	5365.2	5306.4	5148.2	4958.4
28796.7	40°	24882.4	17831.3	6852.3	5283.8	5256.7	5311.0	5283.8	5125.6	4691.7	4361.8
31553.9	42.5°	26794.4	18527.3	6472.6	5134.7	5216.0	5283.8	5175.4	4628.4	4334.6	4113.2
34695.3	45°	29045.3	19657.3	6278.2	4976.5	5139.2	5220.6	4696.2	4456.7	4221.6	3955.0
38121.4	47.5°	31594.6	21081.1	6233.0	4827.3	4967.4	5017.2	4492.8	4384.4	4117.7	3828.4
41565.6	50°	34369.8	22767.1	6355.1	4651.0	4718.8	4547.1	4425.0	4325.6	4049.9	3765.1
45095.7	52.5°	37240.0	24624.8	6599.2	4411.5	4470.2	4280.4	4397.9	4312.0	4009.2	3625.0
48743.3	55°	40060.5	26496.0	6834.2	4131.2	4217.1	4040.9	4321.1	4257.8	3823.9	3390.0
52635.0	57.5°	42926.1	28358.3	7064.7	3882.7	3973.1	3810.3	4199.0	4113.2	3616.0	3173.0
56883.8	60°	45904.8	30166.3	7173.2	3643.1	3706.4	3597.9	4013.7	3864.6	3380.9	2951.5
61060.2	62.5°	48693.6	31671.4	6996.9	3403.5	3444.2	3399.0	3769.7	3570.8	3145.9	2702.9
65413.0	65°	51491.5	32566.4	6454.5	3168.5	3177.5	3154.9	3426.1	3254.4	2870.2	2486.0
69223.3	67.5°	54027.2	33068.1	5591.2	2915.4	2892.8	2883.7	3105.2	2910.9	2603.5	2269.0
72120.6	70°	54565.0	31793.4	4271.4	2617.1	2617.1	2594.5	2752.7	2553.8	2309.7	2038.5
70045.9	72.5°	49837.2	26744.6	3032.9	2278.1	2314.2	2269.0	2400.1	2232.9	2011.4	1830.6
60368.7	75°	40187.0	19612.1	2205.7	1930.0	1993.3	1916.5	2038.5	1921.0	1731.1	1726.6
41601.8	77.5°	27612.5	12127.1	1600.1	1591.0	1636.2	1536.8	1676.9	1613.6	1441.9	1365.0
18107.0	80°	11783.6	4836.4	1166.2	1229.4	1229.4	1139.0	1301.8	1319.8	1170.7	1134.5
3493.9	82.5°	2345.9	1374.1	818.1	845.2	795.5	768.4	922.1	1021.5	1410.2	1568.4
1053.2	85°	705.1	506.2	492.7	461.0	406.8	411.3	542.4	1026.0	1265.6	723.2
348.0	87.5°	194.4	126.6	131.1	104.0	85.9	113.0	185.3	777.4	424.9	180.8
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°
17153.3
16606.4
15155.4
12800.5
10219.6
8565.3
7489.6
7168.7
7042.1
6752.8
6422.9
6246.6
6156.2
6002.5
5532.4
4962.9
4352.7
4104.1
3936.9
3805.8
3733.5
3597.9
3367.4
3164.0
2938.0
2698.4
2458.9
2241.9
2029.5
1776.3
1554.9
1279.2
1134.5
1572.9
623.8
153.7
0.0

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