

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: P853253

Luminaire Tested: **GLAN-SB9D-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853253
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 73041 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U0 - G5

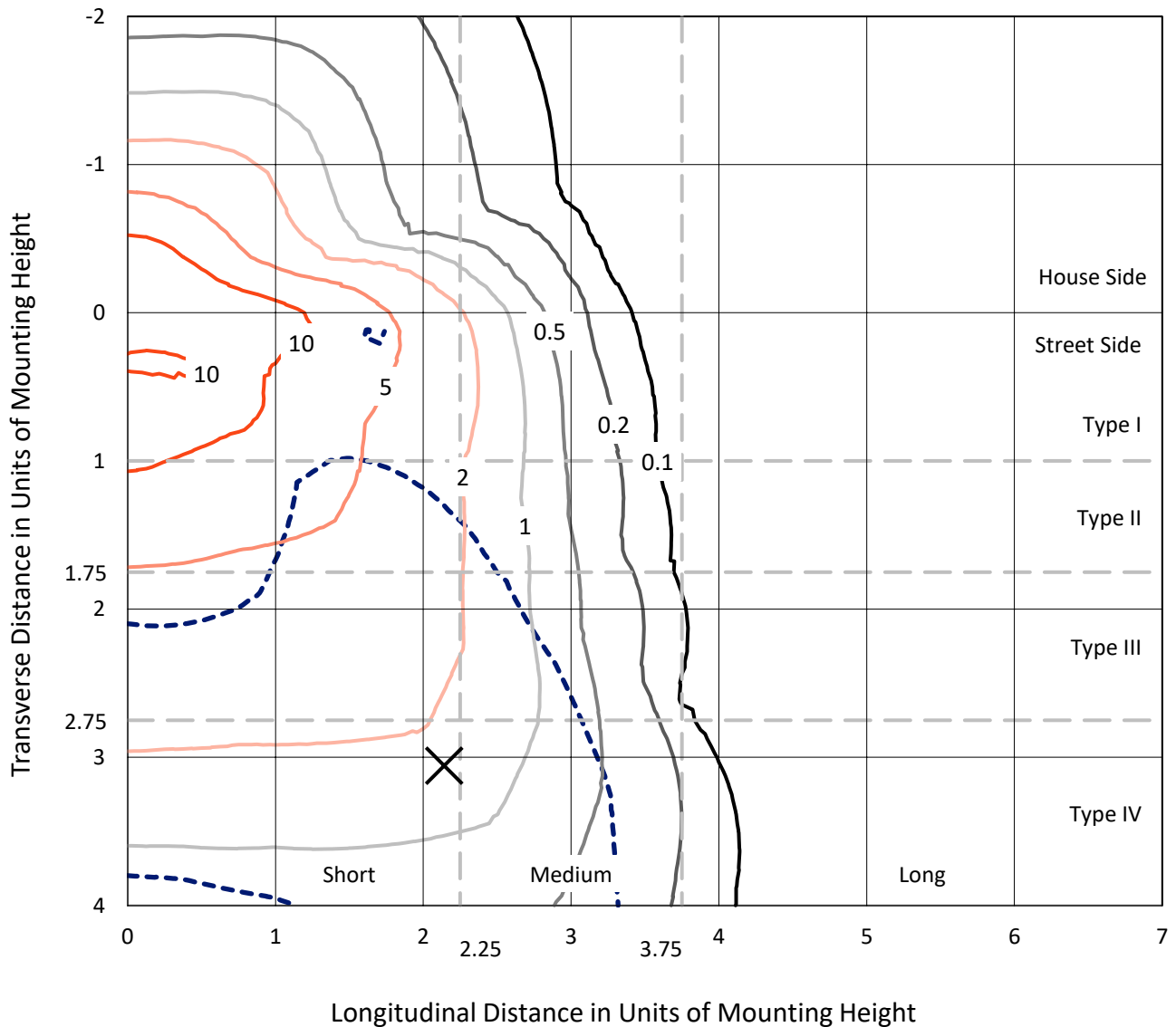
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

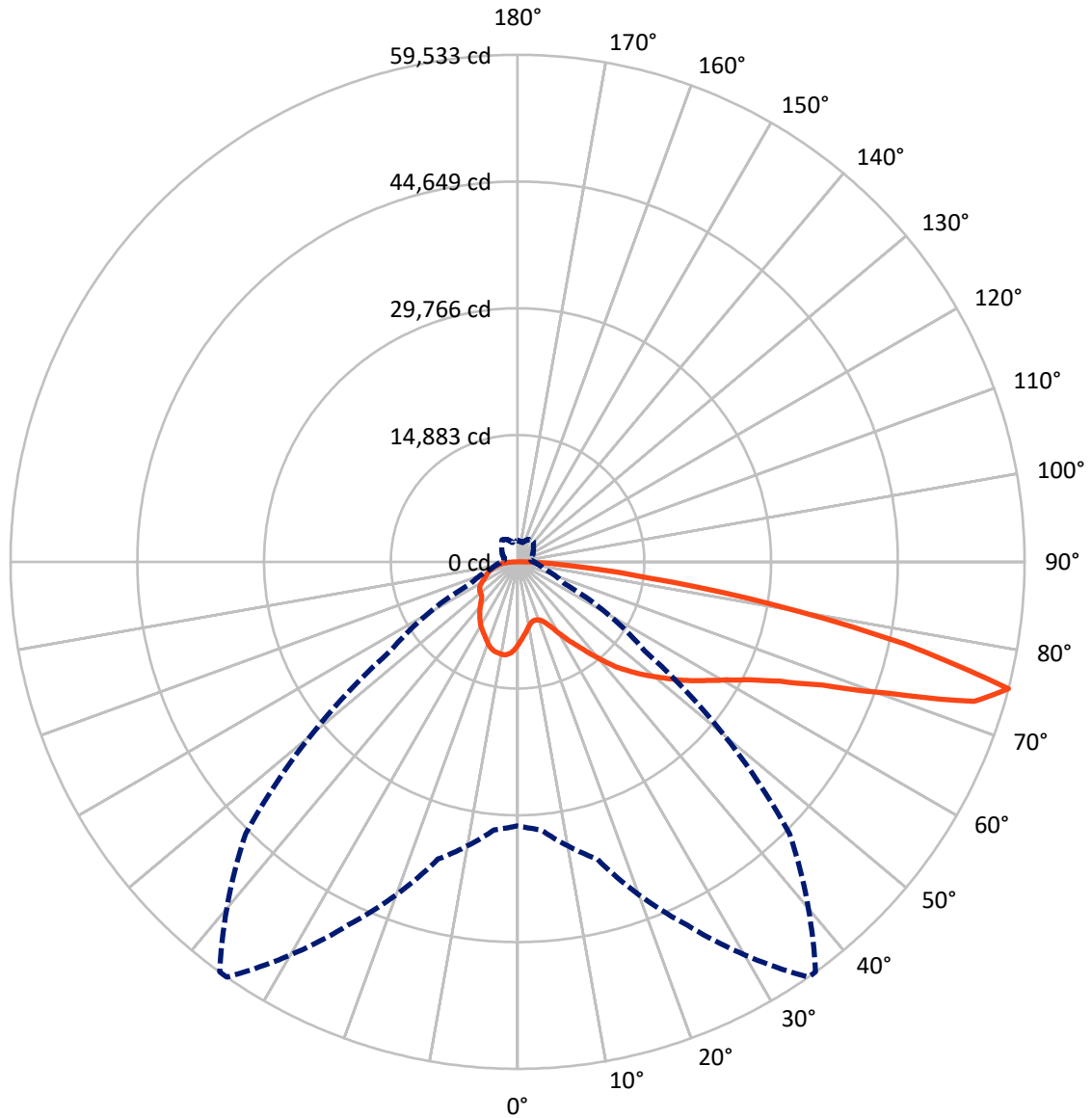
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17381.9	0.0	17381.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	55659.1	0.0	55659.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	73041.0	0.0	73041.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	921.5	1.3
10°-20°	2658.1	3.6
20°-30°	4463.7	6.1
30°-40°	6937.2	9.5
40°-50°	10296.6	14.1
50°-60°	14215.1	19.5
60°-70°	17246.2	23.6
70°-80°	14252.6	19.5
80°-90°	2050.0	2.8
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°	73041.0	100.0
0°-180°	73041.0	100.0

Coefficient of Utilization

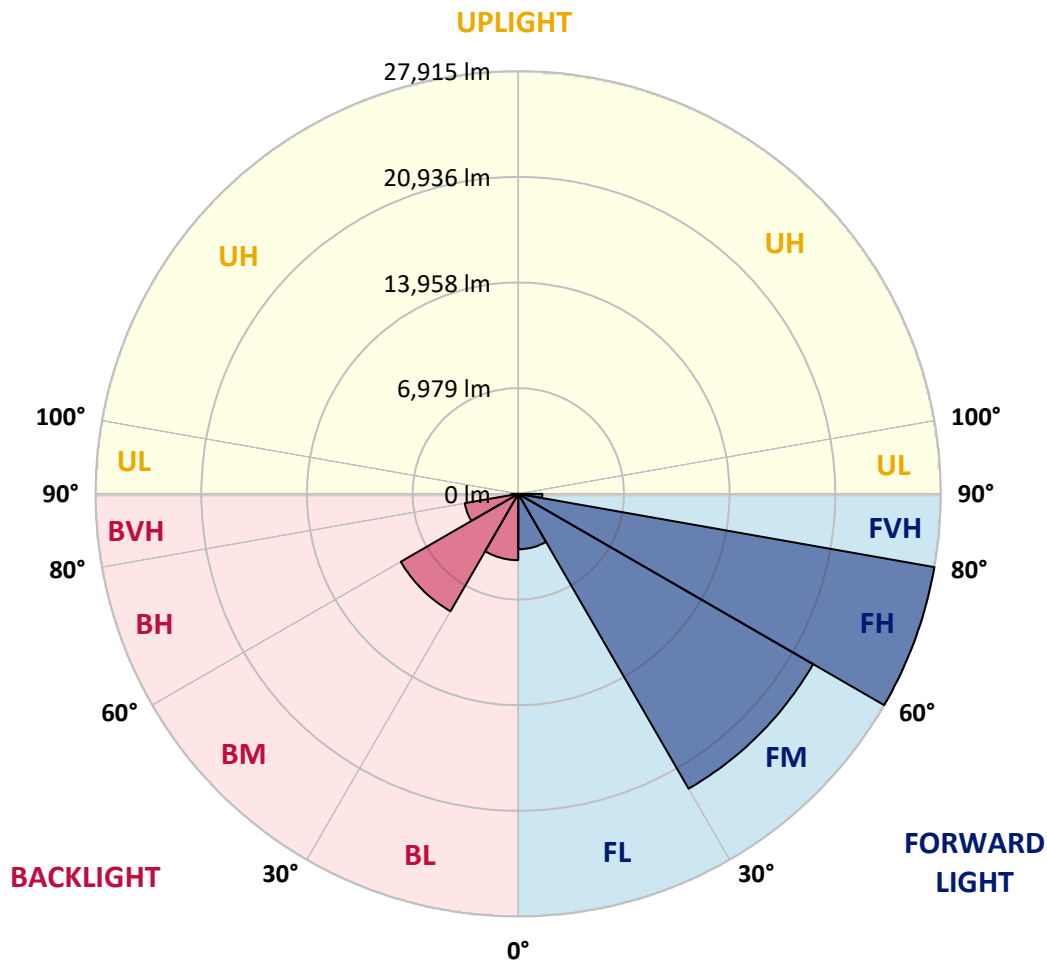


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3662.9	5.0			
FM (30°-60°)	22492.7	30.8			
FH (60°-80°)	27915.2	38.2			G5
FVH (80°-90°)	1588.4	2.2			G5
BL (0°-30°)	4380.5	6.0	B4/5000		
BM (30°-60°)	8956.2	12.3	B5		
BH (60°-80°)	3583.6	4.9	B4/5000		G4/5000
BVH (80°-90°)	461.6	0.6			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	9733.2	9733.2	9733.2	9733.2	9733.2	9733.2	9733.2	9733.2	9733.2	9733.2
2.5°	8975.1	9030.4	9054.1	9042.2	9101.4	9093.5	9176.5	9279.1	9421.3	9559.5
5°	8284.1	8343.3	8394.6	8442.0	8556.5	8592.1	8722.4	8919.8	9180.4	9445.0
7.5°	7640.5	7691.8	7770.8	7857.6	8051.1	8086.7	8303.8	8611.8	8975.1	9362.0
10°	7115.3	7166.6	7249.6	7348.3	7589.1	7632.6	7909.0	8319.6	8793.4	9283.1
12.5°	6890.2	6906.0	6953.4	7052.1	7261.4	7289.0	7593.1	8063.0	8615.8	9223.8
15°	6878.4	6910.0	6913.9	6965.3	7139.0	7150.8	7431.2	7897.1	8505.2	9212.0
17.5°	6996.9	7020.5	6985.0	7016.6	7162.7	7182.4	7403.6	7818.2	8469.7	9263.3
20°	7312.7	7332.5	7225.9	7182.4	7289.0	7304.8	7522.0	7869.5	8505.2	9369.9
22.5°	7984.0	7995.8	7735.2	7557.5	7565.4	7573.3	7762.9	8078.8	8643.4	9563.4
25°	9030.4	9022.5	8607.9	8264.3	8066.9	8023.5	8149.8	8418.3	8876.4	9820.1
27.5°	10254.4	10195.2	9780.6	9267.3	8836.9	8773.7	8746.1	8860.6	9208.0	10159.7
30°	11636.4	11581.1	11134.9	10463.7	9867.5	9764.8	9504.2	9445.0	9701.6	10621.6
32.5°	13152.7	13117.1	12584.1	11770.7	10973.1	10854.6	10416.3	10258.4	10459.7	11320.5
35°	14424.1	14392.5	13950.3	13113.2	12137.9	11991.8	11545.6	11367.9	11470.6	12216.9
37.5°	15573.1	15557.3	15178.3	14518.9	13512.0	13334.3	12832.8	12773.6	12753.9	13397.5
40°	16639.2	16599.8	16204.9	15857.4	15111.1	14949.3	14507.0	14455.7	14305.6	14850.5
42.5°	17819.9	17717.2	17144.7	16982.8	16781.4	16647.1	16382.6	16390.5	16058.8	16489.2
45°	18783.3	18724.1	18135.7	18041.0	18258.2	18202.9	18431.9	18491.1	17847.5	18206.8
47.5°	19817.8	19762.6	19265.0	19197.9	19786.2	19802.0	20611.5	20631.2	19592.8	19991.6
50°	21093.2	21014.3	20520.7	20603.6	21263.0	21322.2	22803.0	22668.7	21199.8	21804.0
52.5°	21934.3	21981.6	21875.0	22009.3	22909.6	22964.8	24958.9	24615.3	22791.1	23592.7
55°	22554.2	22649.0	22980.6	23288.6	24646.9	24702.2	26992.4	26467.2	24109.9	25251.1
57.5°	23351.8	23217.5	23837.5	24437.7	26297.4	26443.5	28970.6	28252.0	25278.7	26680.4
60°	24496.9	24402.1	24883.8	25772.3	28145.4	28378.3	31063.3	29859.0	26135.5	27813.7
62.5°	26818.6	26581.7	26656.7	27442.5	30475.0	30783.0	33424.6	31260.8	26562.0	28255.9
65°	30289.4	29882.7	29503.7	30048.6	33756.3	34060.3	36089.9	32362.4	26404.0	27399.1
67.5°	34660.5	34257.7	33791.8	34305.1	38589.3	38830.2	39379.0	32982.3	25160.2	24098.1
70°	38265.5	38115.5	38672.2	40784.7	46308.7	46316.6	43596.1	32469.0	21752.6	17085.4
72.5°	37787.7	37696.9	40630.7	47161.6	56038.0	55828.7	47588.1	28583.6	14653.1	7707.6
75°	31000.2	31588.5	36133.3	47047.1	59532.5	59504.8	45143.9	18171.3	6061.0	3194.4
77.5°	16623.4	17555.3	23458.4	34735.5	46474.6	47173.5	31738.5	6357.2	2602.1	2045.4
80°	5421.4	6234.8	9350.2	17685.6	30198.6	30068.3	13602.8	2495.5	1780.8	1449.1
82.5°	2302.0	2396.8	4177.6	8351.2	15498.1	15257.2	4331.6	1433.3	1251.7	991.1
85°	900.3	1006.9	1844.0	3861.7	6712.6	6566.5	1563.6	710.7	801.6	647.6
87.5°	296.1	359.3	659.4	1322.8	2088.8	2013.8	383.0	244.8	347.5	296.1
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°
9733.2	0°	9733.2	9733.2	9733.2	9733.2	9733.2	9733.2	9733.2	9733.2	9733.2	9733.2
9760.8	2.5°	9816.1	9879.3	9954.3	10064.9	10159.7	10238.6	10321.5	10372.9	10392.6	10451.8
9776.6	5°	9887.2	10025.4	10211.0	10392.6	10570.3	10676.9	10771.7	10819.1	10862.5	10894.1
9820.1	7.5°	10005.7	10183.3	10475.5	10712.5	10862.5	10949.4	11012.5	10996.7	11012.5	11020.4
9867.5	10°	10108.3	10357.1	10704.6	10929.6	11044.1	11048.1	11032.3	10977.0	10949.4	10953.3
9938.5	12.5°	10230.7	10507.1	10882.2	11071.8	11103.4	11016.5	10949.4	10854.6	10819.1	10803.3
10045.1	15°	10396.6	10712.5	11075.7	11146.8	11067.8	10957.3	10842.8	10688.8	10609.8	10546.6
10226.8	17.5°	10597.9	10945.4	11225.8	11174.4	11004.6	10823.0	10637.4	10404.5	10242.6	10175.4
10475.5	20°	10878.3	11190.2	11340.3	11115.2	10858.5	10582.1	10266.3	9982.0	9831.9	9764.8
10791.4	22.5°	11217.9	11518.0	11450.8	11012.5	10649.3	10207.0	9812.2	9602.9	9527.9	9480.5
11198.1	25°	11624.6	11881.2	11529.8	10862.5	10305.7	9709.5	9405.5	9338.4	9302.8	9267.3
11695.6	27.5°	12153.7	12291.9	11589.0	10641.4	9768.7	9180.4	9069.8	9081.7	9069.8	9010.6
12386.6	30°	12852.6	12824.9	11644.3	10282.1	9152.8	8702.6	8710.5	8761.9	8769.8	8730.3
13350.1	32.5°	13772.6	13492.2	11672.0	9816.1	8564.4	8284.1	8292.0	8347.3	8386.7	8319.6
14609.7	35°	14886.1	14270.1	11628.5	9231.7	8110.3	7885.3	7826.1	7841.8	7853.7	7790.5
16137.8	37.5°	16185.2	15142.7	11435.0	8584.2	7735.2	7494.4	7368.0	7261.4	7198.2	7139.0
17867.2	40°	17610.6	16094.3	11079.7	7952.4	7316.7	7079.8	6890.2	6688.9	6475.6	6396.7
19699.4	42.5°	19103.1	17073.6	10649.3	7348.3	6835.0	6641.5	6440.1	6147.9	5828.1	5666.2
21602.6	45°	20651.0	18076.5	10226.8	6752.0	6341.4	6258.5	6025.5	5674.1	5326.6	5121.3
23509.7	47.5°	22167.2	19024.2	9606.9	6151.9	5879.4	5970.2	5788.6	5464.8	5077.9	4754.1
25401.1	50°	23616.4	19912.6	8592.1	5543.8	5504.3	5883.4	5709.6	5243.7	4801.5	4386.9
27256.9	52.5°	25053.6	20631.2	7293.0	4991.0	5302.9	5859.7	5607.0	5093.6	4552.7	4118.4
29002.2	55°	26273.7	21002.4	6041.3	4517.2	5010.7	5658.3	5484.6	4916.0	4201.3	3739.3
30198.6	57.5°	26968.7	20702.3	4998.9	4051.2	4608.0	5326.6	5275.3	4536.9	3782.7	3427.4
30431.6	60°	26668.6	19486.2	4146.0	3644.5	4225.0	4967.3	4912.0	4161.8	3462.9	3127.3
29183.8	62.5°	25014.1	17168.4	3470.8	3289.2	3877.5	4600.1	4548.7	3873.5	3218.1	2894.3
25871.0	65°	21681.6	13966.1	2945.6	2993.0	3526.1	4157.8	4232.9	3632.7	3024.6	2708.7
20015.3	67.5°	16536.6	10116.2	2535.0	2736.4	3182.5	3723.5	3940.7	3458.9	2862.7	2562.6
11581.1	70°	9425.2	5745.2	2187.5	2487.6	2878.5	3320.7	3715.6	3320.7	2689.0	2440.2
4339.5	72.5°	3573.4	2637.6	1891.4	2238.8	2586.3	2981.2	3466.8	3103.6	2487.6	2302.0
2242.8	75°	1907.2	1607.1	1591.3	1946.6	2250.7	2649.5	3154.9	2890.3	2337.5	2432.3
1551.8	77.5°	1299.1	1137.2	1330.7	1666.3	1883.5	2282.3	2823.2	2566.6	2025.6	2017.7
1074.0	80°	900.3	805.5	1081.9	1342.5	1457.0	1919.0	2463.9	2203.3	1650.5	1539.9
663.4	82.5°	541.0	525.2	809.5	1002.9	1030.6	1480.7	2041.4	1847.9	1350.4	1176.7
394.9	85°	296.1	311.9	517.3	588.3	600.2	1034.5	1599.2	1429.4	1038.5	872.6
142.1	87.5°	82.9	106.6	189.5	233.0	288.2	537.0	951.6	848.9	521.2	363.3
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°
9733.2
10447.9
10902.0
11032.3
10961.2
10795.4
10566.4
10179.4
9756.9
9488.4
9267.3
9022.5
8750.0
8351.2
7833.9
7178.5
6432.2
5685.9
5105.5
4718.5
4351.3
4071.0
3699.8
3380.0
3079.9
2843.0
2657.4
2515.2
2408.6
2270.4
2511.3
1859.8
1472.8
1184.6
880.5
363.3
0.0

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