

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: P852851

Luminaire Tested: **GLAN-SB6D-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852851
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-SB6D-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54239 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

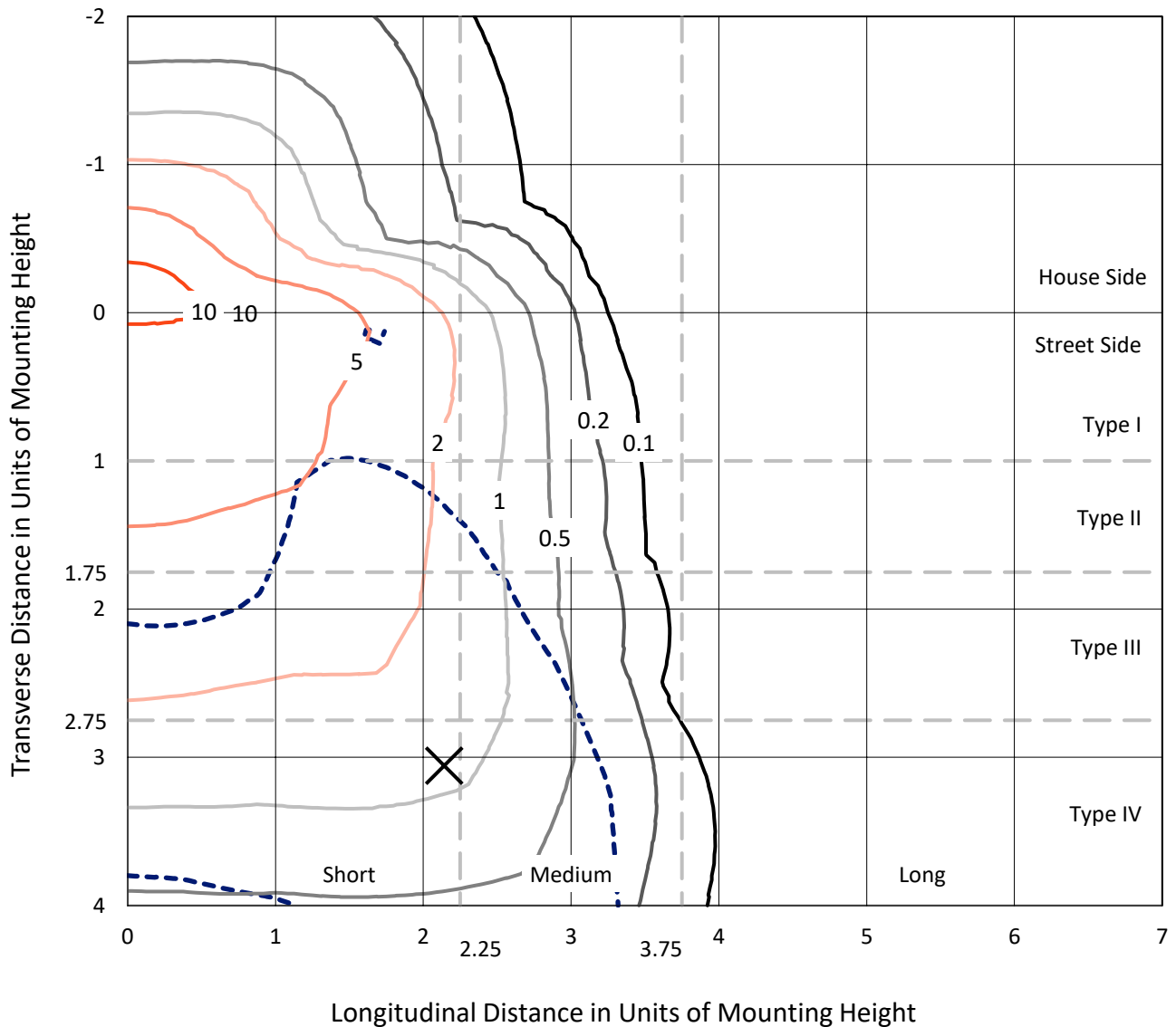
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

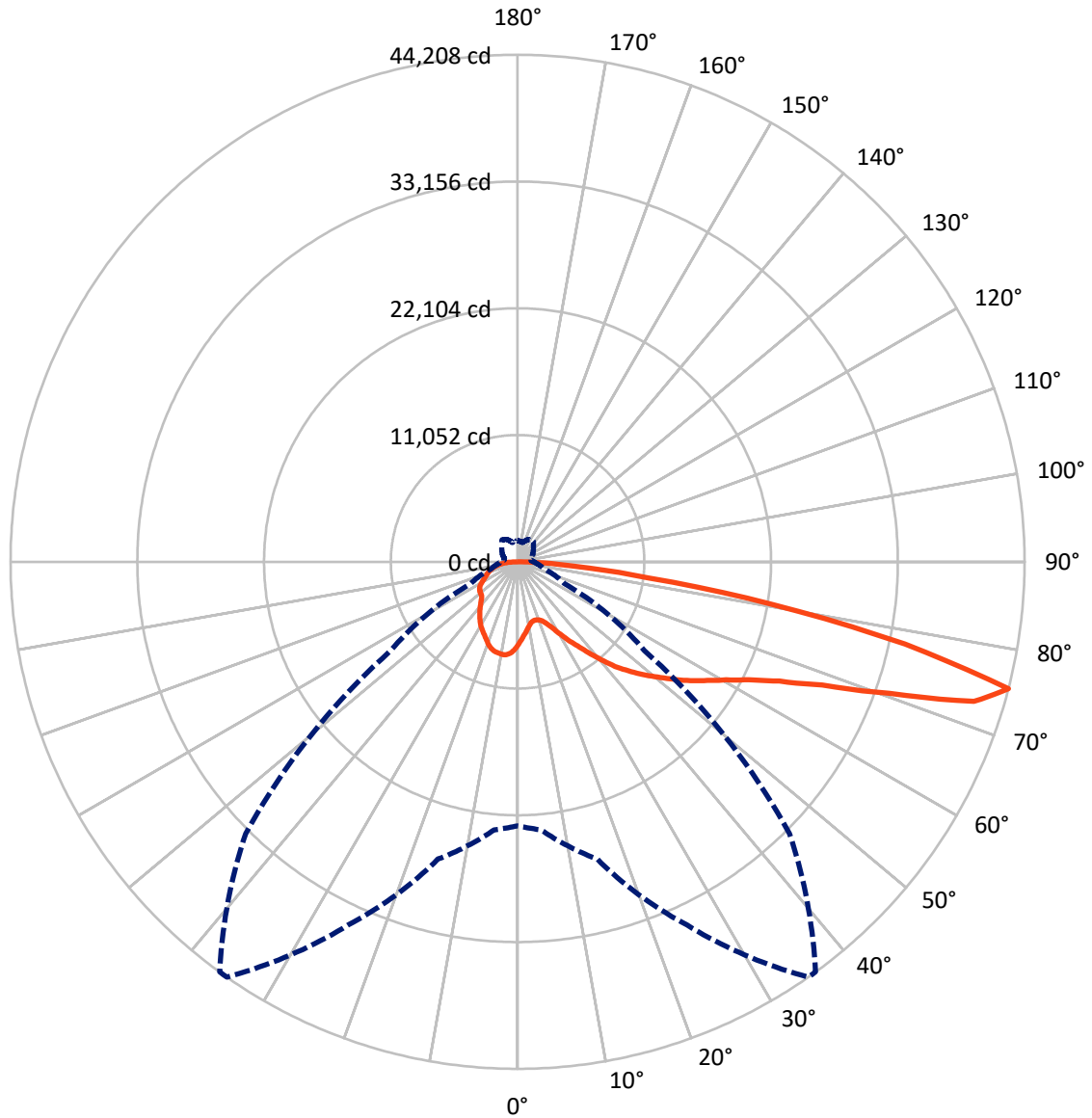
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 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	12907.5	0.0	12907.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	41331.5	0.0	41331.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	54239.0	0.0	54239.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	684.3	1.3
10°-20°	1973.9	3.6
20°-30°	3314.7	6.1
30°-40°	5151.4	9.5
40°-50°	7646.1	14.1
50°-60°	10555.9	19.5
60°-70°	12806.7	23.6
70°-80°	10583.8	19.5
80°-90°	1522.3	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°	54239.0	100.0
0°-180°	54239.0	100.0

Coefficient of Utilization

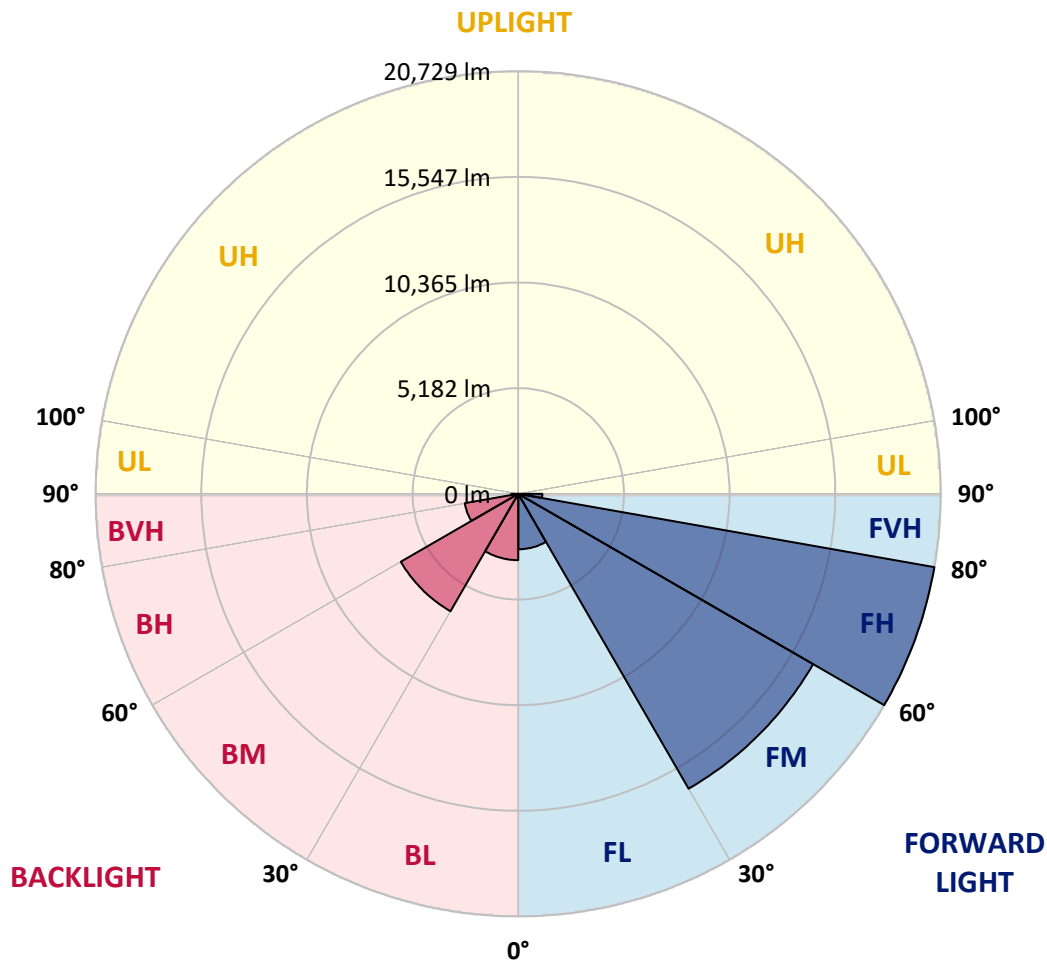


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2720.0	5.0			
FM (30°-60°)	16702.7	30.8			
FH (60°-80°)	20729.3	38.2			G5
FVH (80°-90°)	1179.5	2.2			G5
BL (0°-30°)	3252.9	6.0	B4/5000		
BM (30°-60°)	6650.7	12.3	B4/8500		
BH (60°-80°)	2661.1	4.9	B4/5000		G4/5000
BVH (80°-90°)	342.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7
2.5°	6664.7	6705.8	6723.4	6714.6	6758.6	6752.7	6814.3	6890.5	6996.1	7098.7
5°	6151.6	6195.6	6233.7	6268.9	6353.9	6380.3	6477.1	6623.7	6817.2	7013.7
7.5°	5673.7	5711.8	5770.4	5834.9	5978.6	6005.0	6166.3	6395.0	6664.7	6952.1
10°	5283.7	5321.8	5383.4	5456.7	5635.6	5667.8	5873.1	6178.0	6529.9	6893.5
12.5°	5116.6	5128.3	5163.5	5236.8	5392.2	5412.7	5638.5	5987.4	6397.9	6849.5
15°	5107.8	5131.2	5134.2	5172.3	5301.3	5310.1	5518.3	5864.3	6315.8	6840.7
17.5°	5195.7	5213.3	5186.9	5210.4	5318.9	5333.6	5497.8	5805.6	6289.4	6878.8
20°	5430.3	5445.0	5365.8	5333.6	5412.7	5424.5	5585.7	5843.7	6315.8	6958.0
22.5°	5928.8	5937.6	5744.1	5612.1	5618.0	5623.8	5764.6	5999.1	6418.4	7101.6
25°	6705.8	6699.9	6392.1	6137.0	5990.4	5958.1	6051.9	6251.3	6591.4	7292.2
27.5°	7614.8	7570.8	7262.9	6881.7	6562.1	6515.2	6494.7	6579.7	6837.7	7544.4
30°	8641.0	8600.0	8268.6	7770.2	7327.4	7251.2	7057.6	7013.7	7204.3	7887.4
32.5°	9766.9	9740.6	9344.7	8740.7	8148.4	8060.4	7735.0	7617.7	7767.2	8406.4
35°	10711.1	10687.6	10359.2	9737.6	9013.4	8904.9	8573.6	8441.6	8517.9	9072.0
37.5°	11564.3	11552.6	11271.1	10781.5	10033.8	9901.8	9529.4	9485.5	9470.8	9948.7
40°	12356.0	12326.7	12033.5	11775.5	11221.3	11101.1	10772.7	10734.5	10623.1	11027.8
42.5°	13232.7	13156.5	12731.3	12611.1	12461.6	12361.9	12165.4	12171.3	11925.0	12244.6
45°	13948.2	13904.2	13467.3	13396.9	13558.2	13517.1	13687.2	13731.2	13253.3	13520.1
47.5°	14716.4	14675.3	14305.9	14256.0	14692.9	14704.7	15305.7	15320.4	14549.3	14845.4
50°	15663.5	15604.8	15238.3	15299.9	15789.5	15833.5	16933.1	16833.4	15742.6	16191.3
52.5°	16288.0	16323.2	16244.0	16343.7	17012.2	17053.3	18534.0	18278.9	16924.3	17519.5
55°	16748.4	16818.7	17065.0	17293.7	18302.4	18343.4	20044.1	19654.1	17903.6	18751.0
57.5°	17340.6	17241.0	17701.3	18147.0	19528.0	19636.5	21513.1	20979.4	18771.5	19812.4
60°	18191.0	18120.6	18478.3	19138.0	20900.3	21073.3	23067.1	22172.8	19407.8	20654.0
62.5°	19915.1	19739.1	19794.8	20378.3	22630.2	22858.9	24820.5	23213.7	19724.5	20982.4
65°	22492.4	22190.4	21908.9	22313.6	25066.8	25292.6	26799.7	24031.8	19607.2	20346.1
67.5°	25738.3	25439.2	25093.2	25474.4	28655.8	28834.6	29242.2	24492.1	18683.6	17894.8
70°	28415.3	28303.9	28717.3	30286.0	34388.1	34393.9	32373.7	24110.9	16153.1	12687.3
72.5°	28060.5	27993.1	30171.7	35021.4	41612.9	41457.5	35338.1	21225.7	10881.2	5723.5
75°	23020.2	23457.1	26832.0	34936.4	44207.8	44187.3	33523.1	13493.7	4500.8	2372.1
77.5°	12344.3	13036.3	17419.8	25794.0	34511.2	35030.2	23568.5	4720.7	1932.3	1518.8
80°	4025.8	4629.8	6943.3	13133.0	22425.0	22328.2	10101.2	1853.1	1322.4	1076.1
82.5°	1709.4	1779.8	3102.2	6201.5	11508.6	11329.8	3216.6	1064.4	929.5	736.0
85°	668.5	747.7	1369.3	2867.6	4984.6	4876.1	1161.1	527.8	595.2	480.9
87.5°	219.9	266.8	489.7	982.3	1551.1	1495.4	284.4	181.8	258.0	219.9
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°
7227.7	0°	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7
7248.2	2.5°	7289.3	7336.2	7391.9	7474.0	7544.4	7603.0	7664.6	7702.7	7717.4	7761.4
7260.0	5°	7342.1	7444.7	7582.5	7717.4	7849.3	7928.5	7998.9	8034.1	8066.3	8089.8
7292.2	7.5°	7430.0	7562.0	7779.0	7954.9	8066.3	8130.8	8177.7	8166.0	8177.7	8183.6
7327.4	10°	7506.3	7691.0	7949.0	8116.2	8201.2	8204.1	8192.4	8151.3	8130.8	8133.7
7380.2	12.5°	7597.2	7802.4	8081.0	8221.7	8245.2	8180.7	8130.8	8060.4	8034.1	8022.3
7459.4	15°	7720.3	7954.9	8224.6	8277.4	8218.8	8136.7	8051.6	7937.3	7878.6	7831.7
7594.2	17.5°	7869.9	8127.9	8336.1	8297.9	8171.9	8037.0	7899.2	7726.2	7606.0	7556.1
7779.0	20°	8078.0	8309.7	8421.1	8254.0	8063.4	7858.1	7623.6	7412.4	7301.0	7251.2
8013.5	22.5°	8330.2	8553.0	8503.2	8177.7	7908.0	7579.6	7286.4	7131.0	7075.2	7040.1
8315.5	25°	8632.2	8822.8	8561.8	8066.3	7652.9	7210.1	6984.3	6934.5	6908.1	6881.7
8685.0	27.5°	9025.1	9127.7	8605.8	7902.1	7254.1	6817.2	6735.1	6743.9	6735.1	6691.1
9198.1	30°	9544.1	9523.6	8646.9	7635.3	6796.7	6462.4	6468.3	6506.4	6512.3	6483.0
9913.5	32.5°	10227.3	10019.1	8667.4	7289.3	6359.8	6151.6	6157.5	6198.5	6227.9	6178.0
10848.9	35°	11054.2	10596.7	8635.1	6855.3	6022.6	5855.5	5811.5	5823.2	5832.0	5785.1
11983.6	37.5°	12018.8	11244.7	8491.5	6374.5	5744.1	5565.2	5471.4	5392.2	5345.3	5301.3
13267.9	40°	13077.3	11951.4	8227.6	5905.3	5433.2	5257.3	5116.6	4967.0	4808.7	4750.1
14628.4	42.5°	14185.7	12678.6	7908.0	5456.7	5075.5	4931.9	4782.3	4565.3	4327.8	4207.6
16041.7	45°	15335.1	13423.3	7594.2	5014.0	4709.0	4647.4	4474.4	4213.5	3955.5	3803.0
17457.9	47.5°	16461.0	14127.0	7133.9	4568.3	4365.9	4433.4	4298.5	4058.1	3770.7	3530.3
18862.4	50°	17537.1	14786.8	6380.3	4116.7	4087.4	4368.9	4239.9	3893.9	3565.5	3257.6
20240.5	52.5°	18604.4	15320.4	5415.7	3706.2	3937.9	4351.3	4163.6	3782.5	3380.8	3058.2
21536.5	55°	19510.4	15596.0	4486.2	3354.4	3720.9	4201.7	4072.7	3650.5	3119.8	2776.7
22425.0	57.5°	20026.5	15373.2	3712.1	3008.4	3421.8	3955.5	3917.3	3369.0	2809.0	2545.1
22598.0	60°	19803.6	14470.1	3078.7	2706.4	3137.4	3688.6	3647.6	3090.5	2571.5	2322.3
21671.4	62.5°	18575.1	12748.9	2577.3	2442.5	2879.4	3415.9	3377.8	2876.4	2389.7	2149.3
19211.4	65°	16100.4	10371.0	2187.4	2222.6	2618.4	3087.5	3143.2	2697.6	2246.0	2011.4
14863.0	67.5°	12279.8	7512.1	1882.4	2032.0	2363.3	2765.0	2926.3	2568.6	2125.8	1903.0
8600.0	70°	6999.0	4266.3	1624.4	1847.2	2137.5	2465.9	2759.1	2465.9	1996.8	1812.1
3222.4	72.5°	2653.6	1958.7	1404.5	1662.5	1920.5	2213.8	2574.4	2304.7	1847.2	1709.4
1665.5	75°	1416.2	1193.4	1181.7	1445.5	1671.3	1967.5	2342.8	2146.3	1735.8	1806.2
1152.3	77.5°	964.7	844.5	988.1	1237.4	1398.6	1694.8	2096.5	1905.9	1504.2	1498.3
797.5	80°	668.5	598.2	803.4	996.9	1082.0	1425.0	1829.7	1636.1	1225.6	1143.5
492.6	82.5°	401.7	390.0	601.1	744.8	765.3	1099.6	1515.9	1372.2	1002.8	873.8
293.2	85°	219.9	231.6	384.1	436.9	445.7	768.2	1187.5	1061.4	771.2	648.0
105.6	87.5°	61.6	79.2	140.7	173.0	214.0	398.8	706.6	630.4	387.0	269.8
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°
7227.7
7758.4
8095.6
8192.4
8139.6
8016.5
7846.4
7559.0
7245.3
7045.9
6881.7
6699.9
6497.6
6201.5
5817.4
5330.6
4776.4
4222.3
3791.3
3503.9
3231.2
3023.0
2747.4
2509.9
2287.1
2111.1
1973.3
1867.8
1788.6
1686.0
1864.8
1381.0
1093.7
879.6
653.9
269.8
0.0

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