

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: P853075

Luminaire Tested: **GLAN-SB8C-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853075
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-SB8C-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58735 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

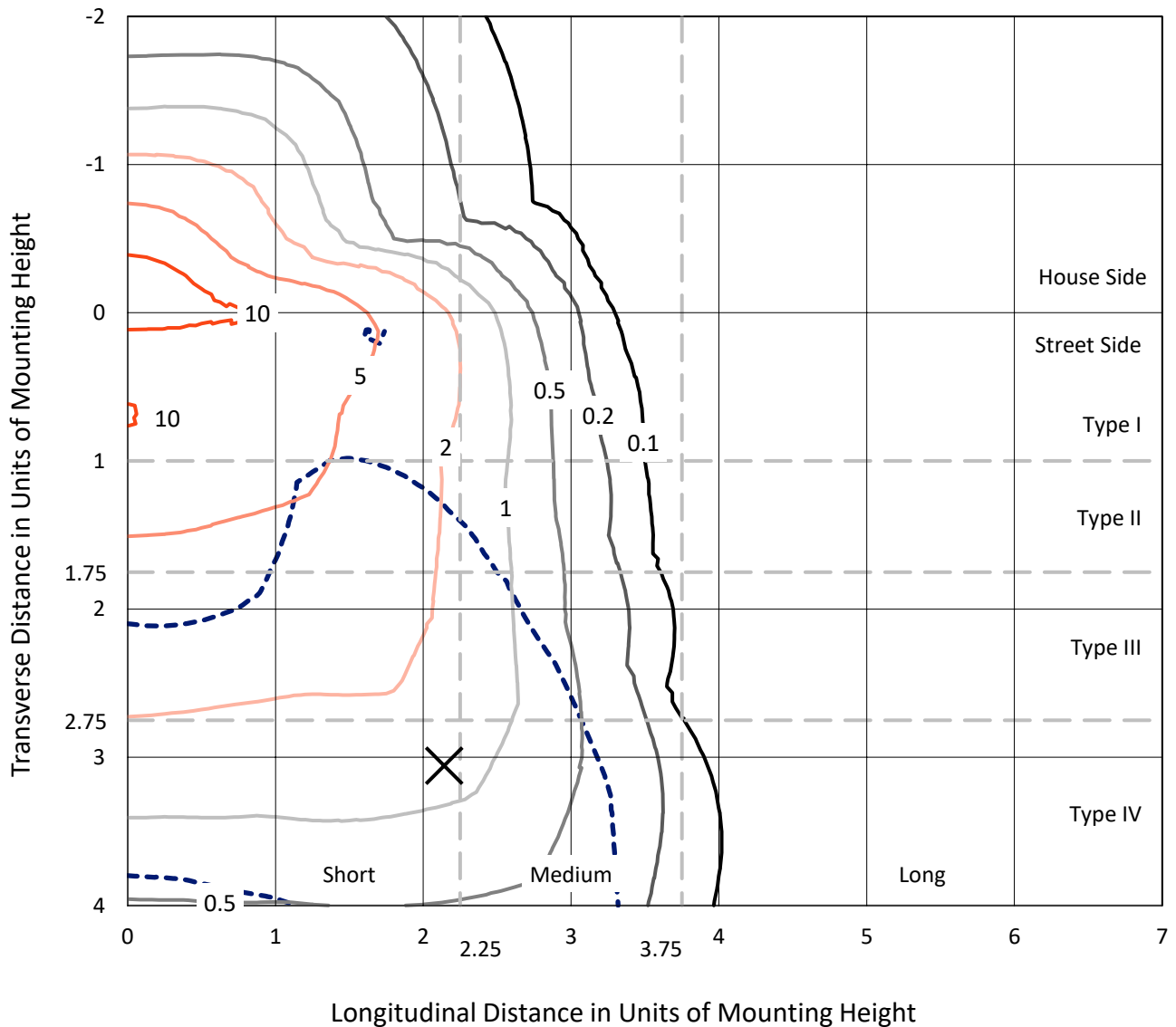
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

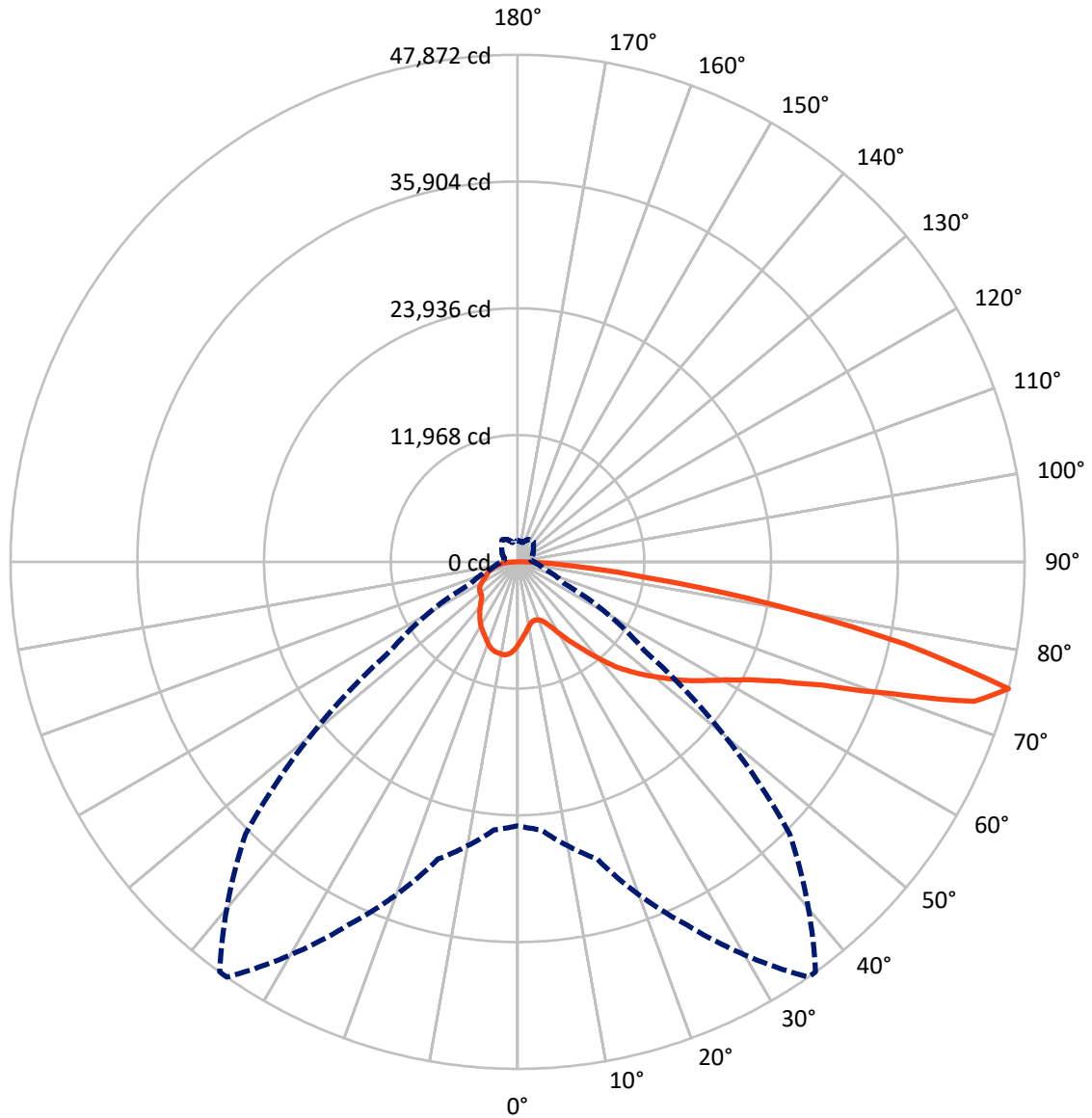
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 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	13977.4	0.0	13977.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	44757.5	0.0	44757.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	58735.0	0.0	58735.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	741.0	1.3
10°-20°	2137.5	3.6
20°-30°	3589.4	6.1
30°-40°	5578.4	9.5
40°-50°	8279.9	14.1
50°-60°	11430.9	19.5
60°-70°	13868.3	23.6
70°-80°	11461.1	19.5
80°-90°	1648.4	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°	58735.0	100.0
0°-180°	58735.0	100.0

Coefficient of Utilization

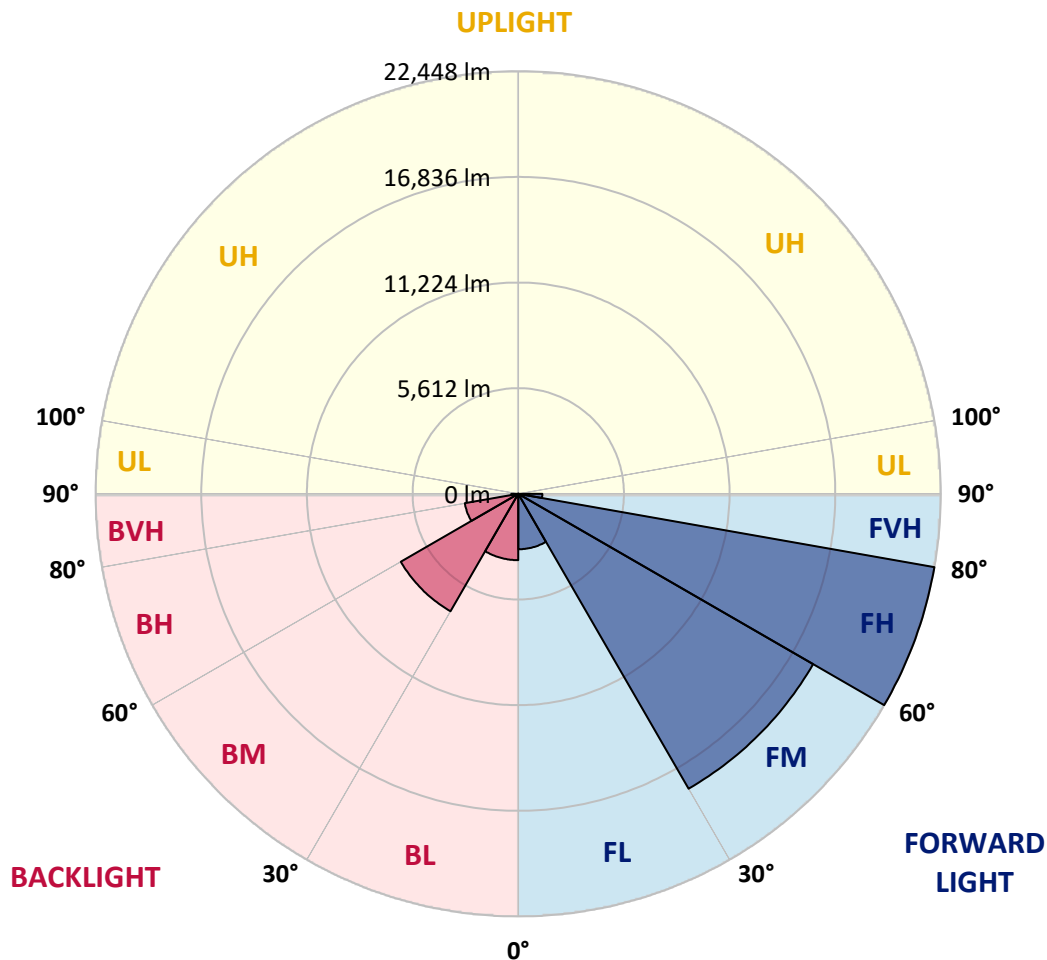


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2945.4	5.0			
FM (30°-60°)	18087.2	30.8			
FH (60°-80°)	22447.6	38.2			G5
FVH (80°-90°)	1277.3	2.2			G5
BL (0°-30°)	3522.5	6.0	B4/5000		
BM (30°-60°)	7202.0	12.3	B4/8500		
BH (60°-80°)	2881.7	4.9	B4/5000		G4/5000
BVH (80°-90°)	371.2	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°	7826.8	7826.8	7826.8	7826.8	7826.8	7826.8	7826.8	7826.8	7826.8	7826.8
2.5°	7217.2	7261.7	7280.7	7271.2	7318.8	7312.5	7379.1	7461.7	7576.0	7687.1
5°	6661.5	6709.2	6750.4	6788.5	6880.6	6909.2	7014.0	7172.7	7382.3	7595.0
7.5°	6144.0	6185.3	6248.8	6318.6	6474.2	6502.8	6677.4	6925.1	7217.2	7528.4
10°	5721.7	5763.0	5829.6	5909.0	6102.7	6137.6	6359.9	6690.1	7071.1	7464.9
12.5°	5540.7	5553.4	5591.5	5670.9	5839.2	5861.4	6105.9	6483.7	6928.3	7417.2
15°	5531.2	5556.6	5559.8	5601.0	5740.7	5750.3	5975.7	6350.4	6839.4	7407.7
17.5°	5626.4	5645.5	5616.9	5642.3	5759.8	5775.7	5953.5	6286.9	6810.8	7449.0
20°	5880.4	5896.3	5810.6	5775.7	5861.4	5874.1	6048.7	6328.1	6839.4	7534.7
22.5°	6420.2	6429.8	6220.2	6077.3	6083.7	6090.0	6242.4	6496.4	6950.5	7690.3
25°	7261.7	7255.3	6921.9	6645.7	6486.9	6452.0	6553.6	6769.5	7137.8	7896.7
27.5°	8246.0	8198.3	7864.9	7452.2	7106.1	7055.3	7033.0	7125.1	7404.5	8169.8
30°	9357.3	9312.8	8954.0	8414.2	7934.8	7852.2	7642.7	7595.0	7801.4	8541.3
32.5°	10576.5	10548.0	10119.3	9465.2	8823.8	8728.6	8376.1	8249.1	8411.1	9103.3
35°	11599.0	11573.6	11217.9	10544.8	9760.5	9643.0	9284.2	9141.4	9223.9	9824.0
37.5°	12522.9	12510.2	12205.4	11675.2	10865.5	10722.6	10319.4	10271.7	10255.9	10773.4
40°	13380.2	13348.5	13031.0	12751.6	12151.4	12021.3	11665.6	11624.4	11503.7	11941.9
42.5°	14329.6	14247.1	13786.7	13656.5	13494.5	13386.6	13173.9	13180.2	12913.5	13259.6
45°	15104.4	15056.7	14583.6	14507.4	14682.1	14637.6	14821.8	14869.4	14351.8	14640.8
47.5°	15936.3	15891.8	15491.7	15437.8	15910.9	15923.6	16574.5	16590.4	15755.3	16076.0
50°	16961.8	16898.3	16501.4	16568.1	17098.4	17146.0	18336.7	18228.7	17047.6	17533.4
52.5°	17638.2	17676.3	17590.5	17698.5	18422.4	18466.9	20070.4	19794.1	18327.2	18971.7
55°	18136.7	18212.9	18479.6	18727.3	19819.5	19864.0	21705.6	21283.3	19387.7	20305.3
57.5°	18778.1	18670.1	19168.6	19651.2	21146.7	21264.2	23296.3	22718.5	20327.5	21454.7
60°	19698.9	19622.7	20010.0	20724.4	22632.7	22820.1	24979.2	24010.8	21016.6	22366.0
62.5°	21565.9	21375.4	21435.7	22067.5	24506.1	24753.8	26878.0	25138.0	21359.5	22721.6
65°	24356.9	24029.8	23725.0	24163.2	27144.7	27389.2	29021.2	26023.8	21232.5	22032.6
67.5°	27871.8	27547.9	27173.3	27586.0	31031.1	31224.8	31666.1	26522.3	20232.3	19378.2
70°	30770.7	30650.1	31097.8	32796.5	37238.6	37244.9	35057.2	26109.6	17492.1	13739.0
72.5°	30386.5	30313.5	32672.7	37924.4	45062.3	44894.0	38267.4	22985.2	11783.1	6198.0
75°	24928.4	25401.5	29056.1	37832.4	47872.3	47850.1	36301.9	14612.2	4873.9	2568.7
77.5°	13367.5	14116.9	18863.8	27932.1	37372.0	37934.0	25522.2	5112.1	2092.4	1644.7
80°	4359.5	5013.6	7518.8	14221.7	24283.8	24179.0	10938.5	2006.7	1432.0	1165.3
82.5°	1851.1	1927.3	3359.3	6715.5	12462.6	12268.9	3483.2	1152.6	1006.5	797.0
85°	723.9	809.7	1482.8	3105.3	5397.8	5280.3	1257.4	571.5	644.6	520.7
87.5°	238.1	288.9	530.3	1063.7	1679.7	1619.3	308.0	196.9	279.4	238.1
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°
7826.8	0°	7826.8	7826.8	7826.8	7826.8	7826.8	7826.8	7826.8	7826.8	7826.8	7826.8
7849.1	2.5°	7893.5	7944.3	8004.6	8093.6	8169.8	8233.3	8299.9	8341.2	8357.1	8404.7
7861.8	5°	7950.7	8061.8	8211.0	8357.1	8500.0	8585.7	8661.9	8700.0	8734.9	8760.3
7896.7	7.5°	8045.9	8188.8	8423.8	8614.3	8734.9	8804.8	8855.6	8842.9	8855.6	8861.9
7934.8	10°	8128.5	8328.5	8607.9	8788.9	8881.0	8884.2	8871.5	8827.0	8804.8	8808.0
7991.9	12.5°	8226.9	8449.2	8750.8	8903.2	8928.6	8858.8	8804.8	8728.6	8700.0	8687.3
8077.7	15°	8360.3	8614.3	8906.4	8963.6	8900.0	8811.1	8719.1	8595.2	8531.7	8480.9
8223.7	17.5°	8522.2	8801.6	9027.1	8985.8	8849.2	8703.2	8554.0	8366.6	8236.4	8182.5
8423.8	20°	8747.6	8998.5	9119.1	8938.2	8731.8	8509.5	8255.5	8026.9	7906.2	7852.2
8677.8	22.5°	9020.7	9262.0	9208.0	8855.6	8563.5	8207.9	7890.3	7722.1	7661.7	7623.6
9004.8	25°	9347.8	9554.1	9271.5	8734.9	8287.2	7807.8	7563.3	7509.3	7480.7	7452.2
9404.9	27.5°	9773.2	9884.4	9319.2	8557.1	7855.4	7382.3	7293.4	7302.9	7293.4	7245.8
9960.6	30°	10335.2	10313.0	9363.6	8268.2	7360.1	6998.1	7004.5	7045.7	7052.1	7020.3
10735.3	32.5°	11075.1	10849.6	9385.9	7893.5	6887.0	6661.5	6667.9	6712.3	6744.1	6690.1
11748.2	35°	11970.5	11475.1	9350.9	7423.6	6521.8	6340.8	6293.2	6305.9	6315.4	6264.6
12977.0	37.5°	13015.1	12176.8	9195.3	6902.9	6220.2	6026.5	5924.9	5839.2	5788.4	5740.7
14367.7	40°	14161.3	12942.1	8909.6	6394.8	5883.6	5693.1	5540.7	5378.8	5207.3	5143.8
15841.0	42.5°	15361.6	13729.5	8563.5	5909.0	5496.2	5340.7	5178.7	4943.8	4686.6	4556.4
17371.4	45°	16606.2	14536.0	8223.7	5429.6	5099.4	5032.7	4845.3	4562.7	4283.3	4118.2
18905.1	47.5°	17825.5	15298.1	7725.2	4946.9	4727.9	4800.9	4654.8	4394.5	4083.3	3822.9
20426.0	50°	18990.8	16012.5	6909.2	4458.0	4426.2	4731.0	4591.3	4216.6	3861.0	3527.6
21918.3	52.5°	20146.6	16590.4	5864.6	4013.4	4264.3	4712.0	4508.8	4096.0	3661.0	3311.7
23321.7	55°	21127.7	16888.8	4858.0	3632.4	4029.3	4550.0	4410.3	3953.1	3378.4	3006.9
24283.8	57.5°	21686.5	16647.5	4019.8	3257.7	3705.4	4283.3	4242.0	3648.3	3041.8	2756.1
24471.2	60°	21445.2	15669.5	3333.9	2930.7	3397.5	3994.4	3949.9	3346.6	2784.6	2514.7
23467.8	62.5°	20114.8	13805.7	2791.0	2644.9	3118.0	3699.1	3657.8	3114.9	2587.8	2327.4
20803.8	65°	17435.0	11230.6	2368.7	2406.8	2835.4	3343.5	3403.8	2921.2	2432.2	2178.2
16095.0	67.5°	13297.7	8134.8	2038.5	2200.4	2559.2	2994.2	3168.8	2781.5	2302.0	2060.7
9312.8	70°	7579.2	4619.9	1759.1	2000.4	2314.7	2670.3	2987.9	2670.3	2162.3	1962.3
3489.5	72.5°	2873.5	2121.0	1520.9	1800.3	2079.7	2397.3	2787.8	2495.7	2000.4	1851.1
1803.5	75°	1533.6	1292.3	1279.6	1565.4	1809.9	2130.6	2537.0	2324.2	1879.7	1955.9
1247.8	77.5°	1044.6	914.5	1070.0	1339.9	1514.6	1835.3	2270.3	2063.9	1628.9	1622.5
863.7	80°	723.9	647.7	870.0	1079.6	1171.6	1543.1	1981.3	1771.8	1327.2	1238.3
533.4	82.5°	435.0	422.3	650.9	806.5	828.7	1190.7	1641.6	1486.0	1085.9	946.2
317.5	85°	238.1	250.8	415.9	473.1	482.6	831.9	1286.0	1149.4	835.1	701.7
114.3	87.5°	66.7	85.7	152.4	187.3	231.8	431.8	765.2	682.7	419.1	292.1
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°
7826.8
8401.5
8766.7
8871.5
8814.3
8681.0
8496.8
8185.6
7845.9
7630.0
7452.2
7255.3
7036.2
6715.5
6299.6
5772.5
5172.4
4572.3
4105.5
3794.3
3499.1
3273.6
2975.2
2718.0
2476.6
2286.1
2136.9
2022.6
1936.9
1825.7
2019.4
1495.5
1184.3
952.6
708.1
292.1
0.0

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