

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: P852985

Luminaire Tested: **GLAN-SB7D-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852985
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-SB7D-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59223 lumens
Efficiency: N/A
Efficacy: 115.5 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

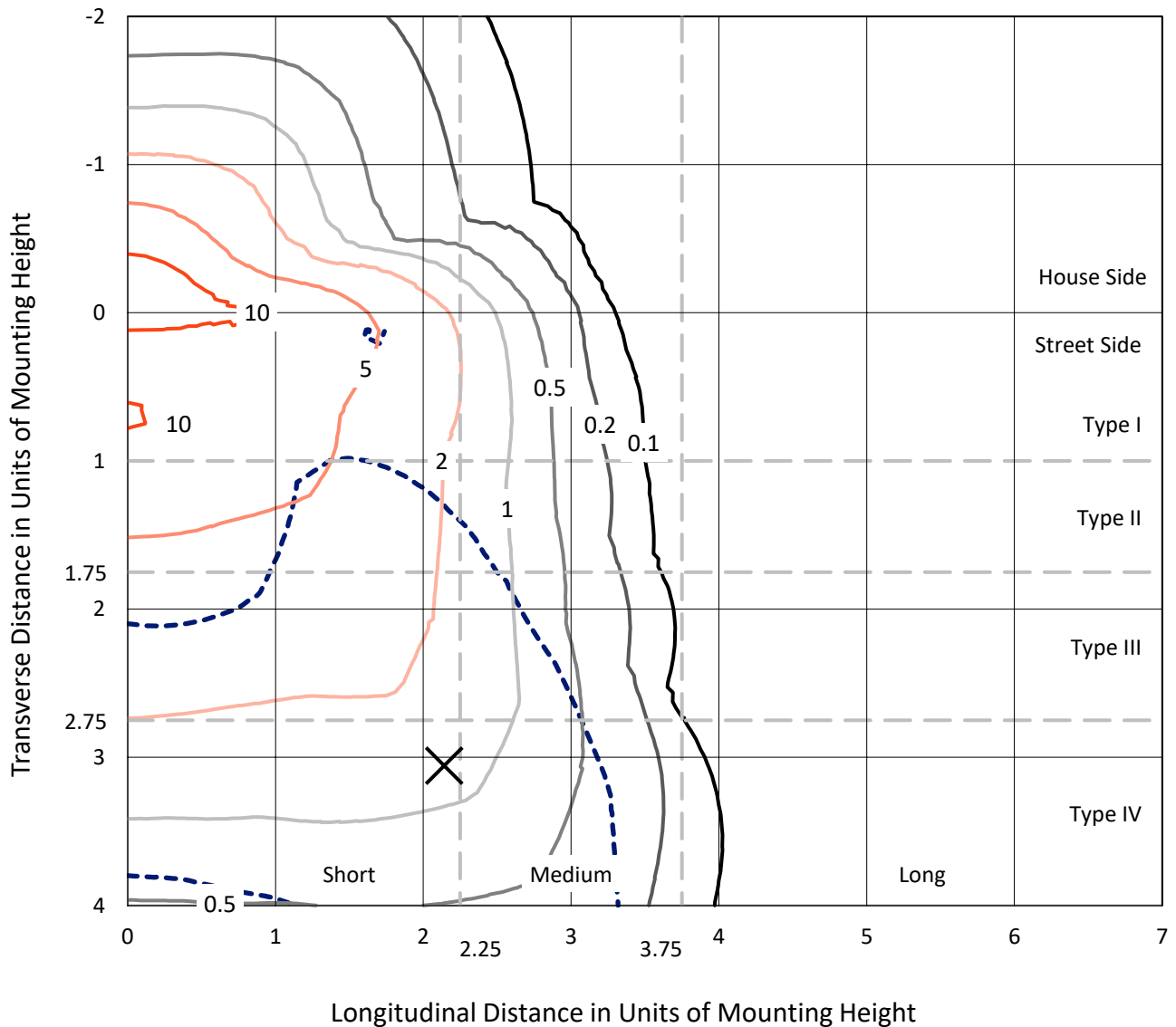
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

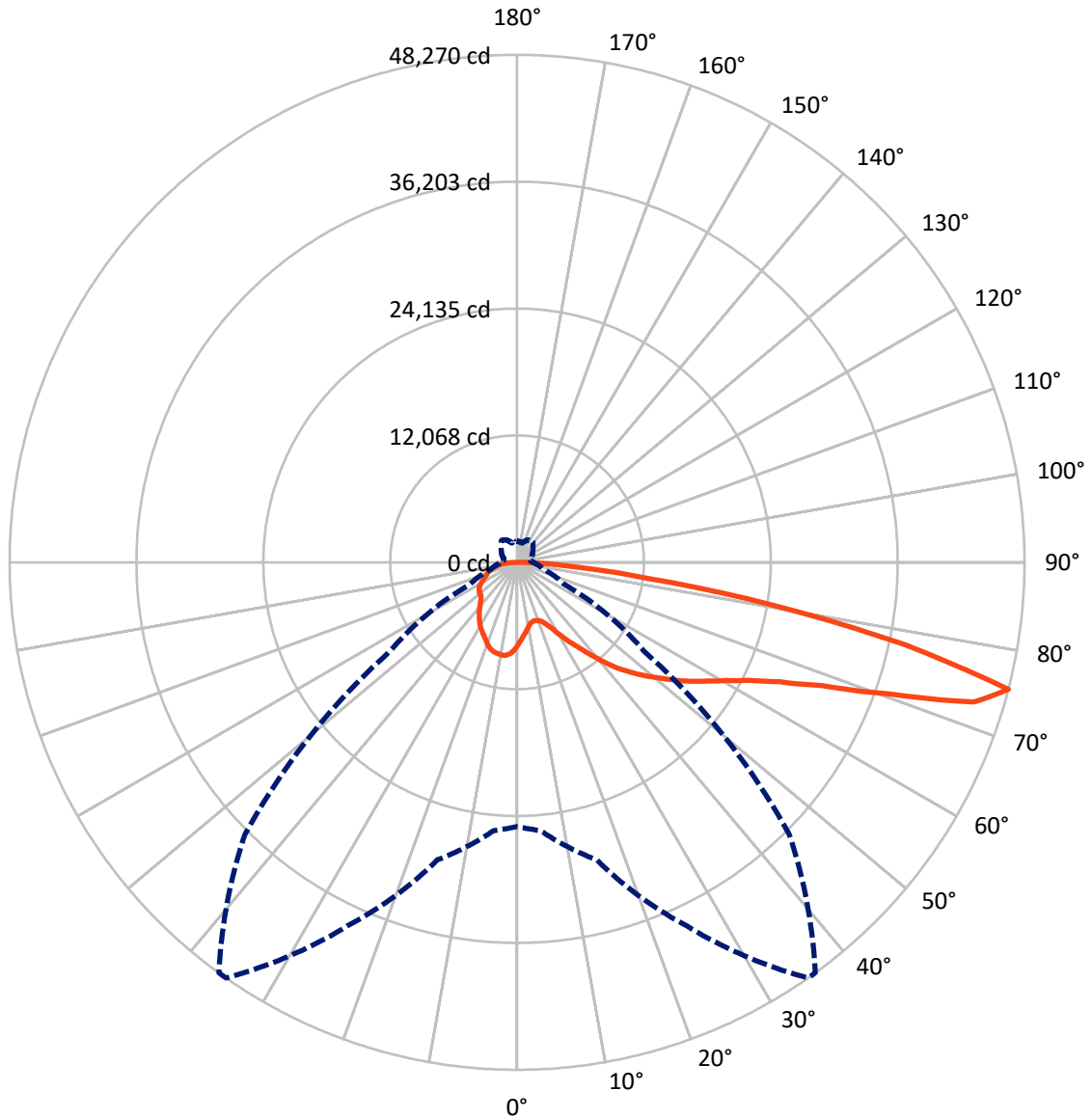
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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	14093.6	0.0	14093.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	45129.4	0.0	45129.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	59223.0	0.0	59223.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	747.2	1.3
10°-20°	2155.3	3.6
20°-30°	3619.2	6.1
30°-40°	5624.8	9.5
40°-50°	8348.7	14.1
50°-60°	11525.9	19.5
60°-70°	13983.5	23.6
70°-80°	11556.3	19.5
80°-90°	1662.1	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°	59223.0	100.0
0°-180°	59223.0	100.0

Coefficient of Utilization

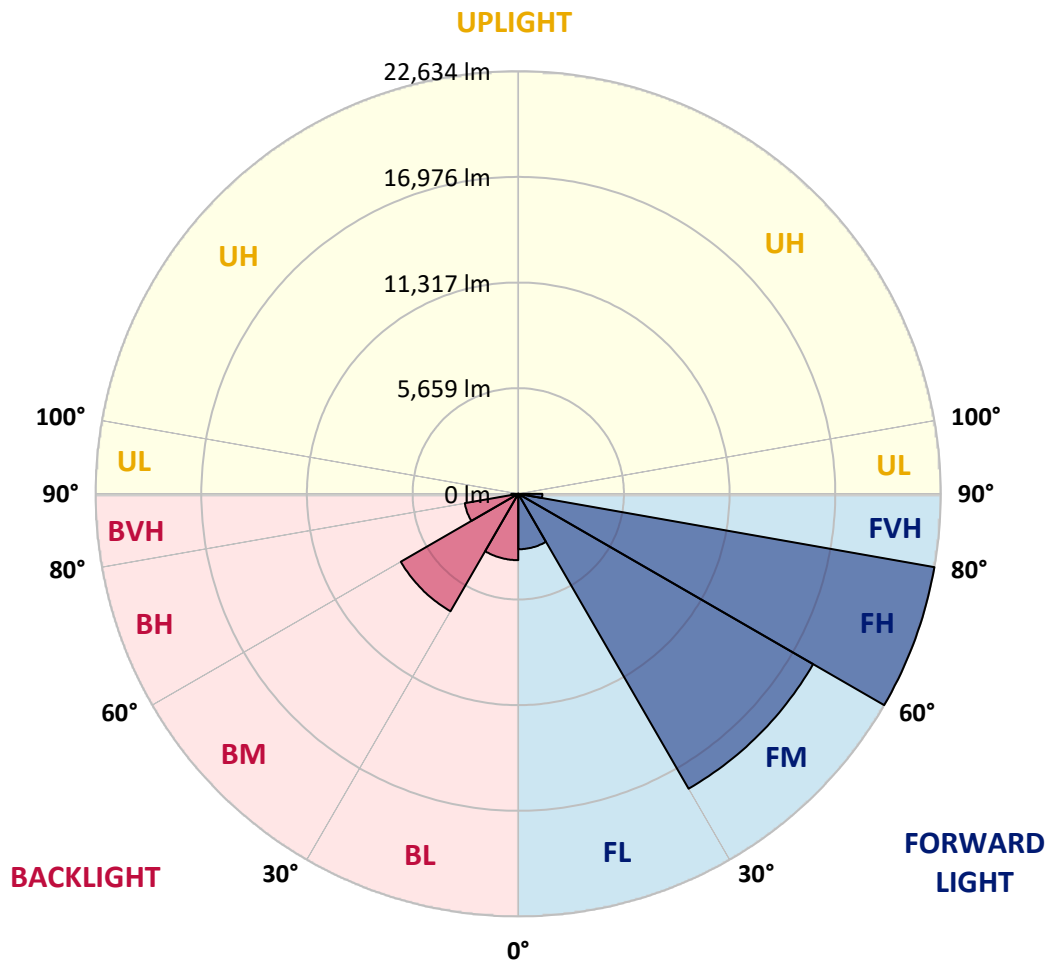


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2969.9	5.0			
FM (30°-60°)	18237.5	30.8			
FH (60°-80°)	22634.1	38.2			G5
FVH (80°-90°)	1287.9	2.2			G5
BL (0°-30°)	3551.8	6.0	B4/5000		
BM (30°-60°)	7261.9	12.3	B4/8500		
BH (60°-80°)	2905.7	4.9	B4/5000		G4/5000
BVH (80°-90°)	374.3	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°	7891.9	7891.9	7891.9	7891.9	7891.9	7891.9	7891.9	7891.9	7891.9	7891.9
2.5°	7277.2	7322.0	7341.2	7331.6	7379.6	7373.2	7440.4	7523.7	7638.9	7751.0
5°	6716.9	6764.9	6806.5	6845.0	6937.8	6966.6	7072.3	7232.3	7443.6	7658.2
7.5°	6195.0	6236.7	6300.7	6371.1	6528.0	6556.8	6732.9	6982.6	7277.2	7590.9
10°	5769.2	5810.8	5878.1	5958.1	6153.4	6188.6	6412.7	6745.7	7129.9	7526.9
12.5°	5586.7	5599.5	5638.0	5718.0	5887.7	5910.1	6156.6	6537.6	6985.8	7478.9
15°	5577.1	5602.7	5605.9	5647.6	5788.4	5798.0	6025.4	6403.1	6896.2	7469.3
17.5°	5673.2	5692.4	5663.6	5689.2	5807.6	5823.7	6002.9	6339.1	6867.4	7510.9
20°	5929.3	5945.3	5858.9	5823.7	5910.1	5922.9	6099.0	6380.7	6896.2	7597.3
22.5°	6473.6	6483.2	6271.9	6127.8	6134.2	6140.6	6294.3	6550.4	7008.2	7754.2
25°	7322.0	7315.6	6979.4	6700.9	6540.8	6505.6	6608.0	6825.7	7197.1	7962.3
27.5°	8314.5	8266.4	7930.3	7514.1	7165.1	7113.9	7091.5	7184.3	7466.1	8237.6
30°	9435.0	9390.2	9028.4	8484.2	8000.7	7917.5	7706.2	7658.2	7866.3	8612.2
32.5°	10664.4	10635.6	10203.4	9543.9	8897.2	8801.1	8445.7	8317.7	8481.0	9178.9
35°	11695.3	11669.7	11311.1	10632.4	9841.6	9723.2	9361.4	9217.3	9300.6	9905.7
37.5°	12627.0	12614.2	12306.8	11772.2	10955.8	10811.7	10405.1	10357.1	10341.1	10862.9
40°	13491.4	13459.4	13139.2	12857.5	12252.4	12121.1	11762.6	11720.9	11599.3	12041.1
42.5°	14448.7	14365.4	13901.2	13769.9	13606.7	13497.8	13283.3	13289.7	13020.8	13369.7
45°	15229.9	15181.8	14704.8	14628.0	14804.1	14759.2	14944.9	14992.9	14471.1	14762.4
47.5°	16068.7	16023.8	15620.5	15566.0	16043.1	16055.9	16712.2	16728.2	15886.2	16209.5
50°	17102.8	17038.7	16638.5	16705.8	17240.4	17288.5	18489.1	18380.2	17189.2	17679.1
52.5°	17784.7	17823.1	17736.7	17845.5	18575.5	18620.3	20237.1	19958.6	18479.5	19129.4
55°	18287.4	18364.2	18633.1	18882.8	19984.2	20029.0	21885.9	21460.1	19548.8	20474.0
57.5°	18934.1	18825.2	19327.9	19814.5	21322.4	21440.9	23489.9	22907.2	20496.4	21633.0
60°	19862.5	19785.7	20176.3	20896.6	22820.8	23009.7	25186.7	24210.3	21191.2	22551.8
62.5°	21745.1	21553.0	21613.8	22250.9	24709.7	24959.4	27101.3	25346.8	21536.9	22910.4
65°	24559.2	24229.5	23922.1	24363.9	27370.2	27616.7	29262.3	26240.1	21408.9	22215.7
67.5°	28103.4	27776.8	27399.0	27815.2	31288.9	31484.2	31929.2	26742.7	20400.4	19539.2
70°	31026.4	30904.7	31356.2	33069.0	37548.0	37554.4	35348.5	26326.5	17637.4	13853.2
72.5°	30639.0	30565.4	32944.1	38239.5	45436.7	45267.0	38585.3	23176.2	11881.0	6249.5
75°	25135.5	25612.5	29297.5	38146.7	48270.0	48247.6	36603.5	14733.6	4914.4	2590.1
77.5°	13478.6	14234.2	19020.5	28164.2	37682.5	38249.1	25734.2	5154.5	2109.8	1658.4
80°	4395.8	5055.3	7581.3	14339.8	24485.6	24379.9	11029.4	2023.4	1443.9	1175.0
82.5°	1866.5	1943.4	3387.3	6771.3	12566.2	12370.9	3512.1	1162.2	1014.9	803.6
85°	730.0	816.4	1495.1	3131.1	5442.7	5324.2	1267.8	576.3	649.9	525.1
87.5°	240.1	291.3	534.7	1072.5	1693.6	1632.8	310.6	198.5	281.7	240.1
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°
7891.9	0°	7891.9	7891.9	7891.9	7891.9	7891.9	7891.9	7891.9	7891.9	7891.9	7891.9
7914.3	2.5°	7959.1	8010.3	8071.2	8160.8	8237.6	8301.7	8368.9	8410.5	8426.5	8474.6
7927.1	5°	8016.7	8128.8	8279.3	8426.5	8570.6	8657.0	8733.9	8772.3	8807.5	8833.1
7962.3	7.5°	8112.8	8256.8	8493.8	8685.9	8807.5	8877.9	8929.2	8916.4	8929.2	8935.6
8000.7	10°	8196.0	8397.7	8679.5	8861.9	8954.8	8958.0	8945.2	8900.4	8877.9	8881.1
8058.3	12.5°	8295.3	8519.4	8823.5	8977.2	9002.8	8932.4	8877.9	8801.1	8772.3	8759.5
8144.8	15°	8429.7	8685.9	8980.4	9038.0	8974.0	8884.4	8791.5	8666.6	8602.6	8551.4
8292.1	17.5°	8593.0	8874.7	9102.1	9060.4	8922.8	8775.5	8625.0	8436.1	8304.9	8250.4
8493.8	20°	8820.3	9073.2	9194.9	9012.4	8804.3	8580.2	8324.1	8093.6	7971.9	7917.5
8749.9	22.5°	9095.7	9339.0	9284.5	8929.2	8634.6	8276.1	7955.9	7786.2	7725.4	7687.0
9079.6	25°	9425.4	9633.5	9348.6	8807.5	8356.1	7872.7	7626.1	7571.7	7542.9	7514.1
9483.0	27.5°	9854.4	9966.5	9396.6	8628.2	7920.7	7443.6	7354.0	7363.6	7354.0	7306.0
10043.3	30°	10421.1	10398.7	9441.4	8336.9	7421.2	7056.3	7062.7	7104.3	7110.7	7078.7
10824.5	32.5°	11167.1	10939.8	9463.8	7959.1	6944.2	6716.9	6723.3	6768.1	6800.1	6745.7
11845.8	35°	12069.9	11570.5	9428.6	7485.3	6576.0	6393.5	6345.5	6358.3	6367.9	6316.7
13084.8	37.5°	13123.2	12278.0	9271.7	6960.2	6271.9	6076.6	5974.1	5887.7	5836.5	5788.4
14487.1	40°	14279.0	13049.6	8983.6	6448.0	5932.5	5740.4	5586.7	5423.5	5250.6	5186.5
15972.6	42.5°	15489.2	13843.6	8634.6	5958.1	5541.9	5385.0	5221.8	4984.8	4725.5	4594.3
17515.8	45°	16744.2	14656.8	8292.1	5474.7	5141.7	5074.5	4885.6	4600.7	4318.9	4152.4
19062.1	47.5°	17973.6	15425.2	7789.4	4988.0	4767.1	4840.8	4693.5	4431.0	4117.2	3854.7
20595.7	50°	19148.6	16145.5	6966.6	4495.0	4463.0	4770.3	4629.5	4251.7	3893.1	3556.9
22100.4	52.5°	20313.9	16728.2	5913.3	4046.8	4299.7	4751.1	4546.2	4130.0	3691.4	3339.2
23515.5	55°	21303.2	17029.1	4898.4	3662.6	4062.8	4587.8	4447.0	3986.0	3406.5	3031.9
24485.6	57.5°	21866.7	16785.8	4053.2	3284.8	3736.2	4318.9	4277.3	3678.6	3067.1	2779.0
24674.5	60°	21623.4	15799.7	3361.6	2955.0	3425.7	4027.6	3982.8	3374.5	2807.8	2535.6
23662.8	62.5°	20281.9	13920.4	2814.2	2666.9	3143.9	3729.8	3688.2	3140.7	2609.3	2346.7
20976.7	65°	17579.8	11323.9	2388.4	2426.8	2859.0	3371.3	3432.1	2945.4	2452.4	2196.3
16228.7	67.5°	13408.2	8202.4	2055.4	2218.7	2580.5	3019.1	3195.2	2804.6	2321.1	2077.8
9390.2	70°	7642.1	4658.3	1773.7	2017.0	2333.9	2692.5	3012.7	2692.5	2180.3	1978.6
3518.5	72.5°	2897.4	2138.6	1533.6	1815.3	2097.0	2417.2	2811.0	2516.4	2017.0	1866.5
1818.5	75°	1546.4	1303.0	1290.2	1578.4	1824.9	2148.3	2558.1	2343.5	1895.3	1972.2
1258.2	77.5°	1053.3	922.1	1078.9	1351.1	1527.1	1850.5	2289.1	2081.0	1642.4	1636.0
870.8	80°	730.0	653.1	877.2	1088.5	1181.4	1556.0	1997.8	1786.5	1338.3	1248.6
537.9	82.5°	438.6	425.8	656.3	813.2	835.6	1200.6	1655.2	1498.3	1094.9	954.1
320.2	85°	240.1	252.9	419.4	477.0	486.6	838.8	1296.6	1159.0	842.0	707.5
115.3	87.5°	67.2	86.4	153.7	188.9	233.7	435.4	771.6	688.3	422.6	294.5
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°
7891.9
8471.3
8839.5
8945.2
8887.6
8753.1
8567.4
8253.6
7911.1
7693.4
7514.1
7315.6
7094.7
6771.3
6351.9
5820.5
5215.4
4610.3
4139.6
3825.9
3528.1
3300.8
2999.9
2740.5
2497.2
2305.1
2154.7
2039.4
1953.0
1840.9
2036.2
1507.9
1194.2
960.5
713.9
294.5
0.0

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