

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: P851733

Luminaire Tested: **GLAN-SB9D-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 76072 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

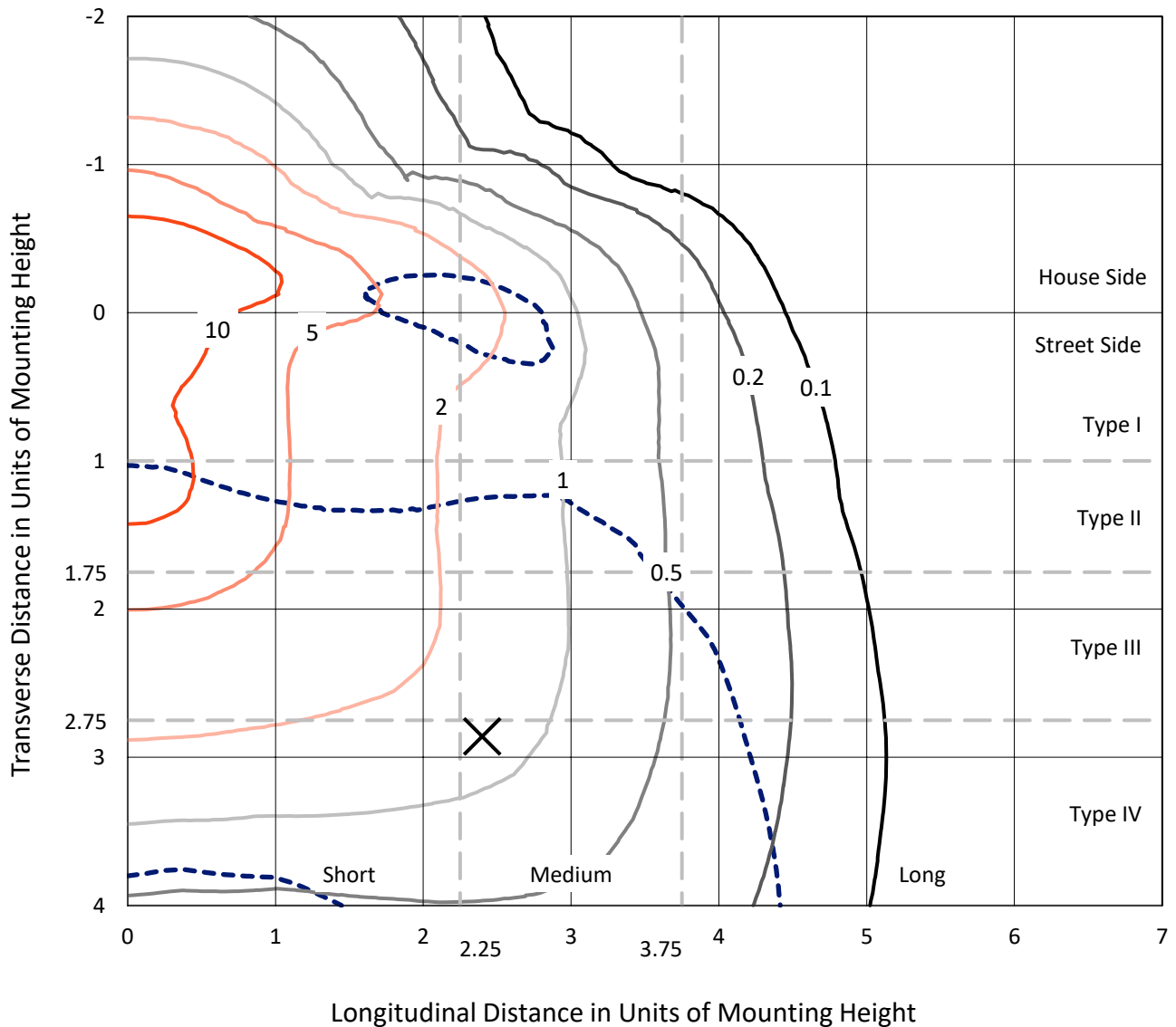
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

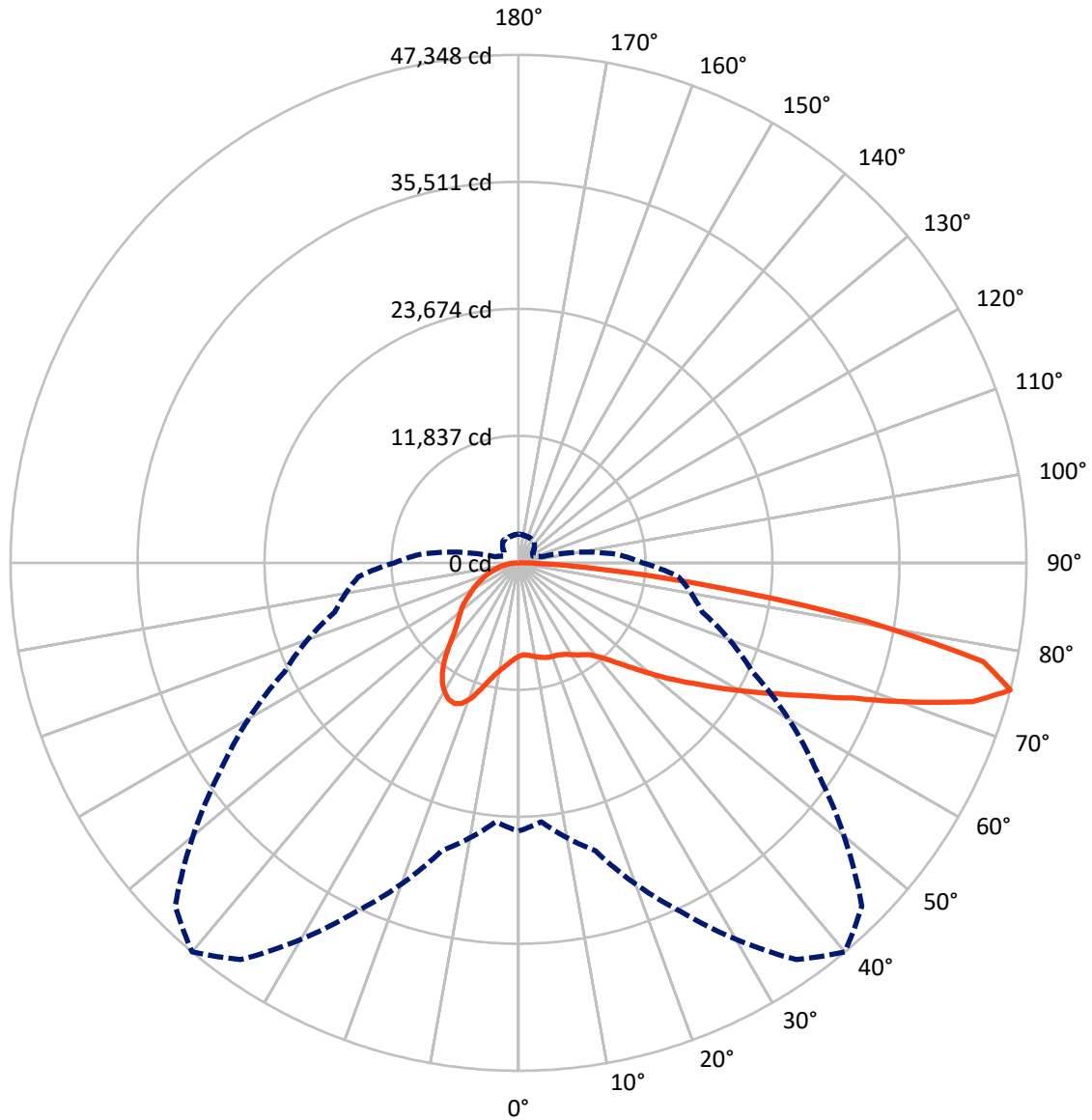
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23569.6	0.0	23569.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	52502.4	0.0	52502.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	76072.0	0.0	76072.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	868.3	1.1
10°-20°	2915.3	3.8
20°-30°	5323.2	7.0
30°-40°	7549.7	9.9
40°-50°	10194.4	13.4
50°-60°	13714.2	18.0
60°-70°	17406.5	22.9
70°-80°	15797.5	20.8
80°-90°	2302.8	3.0
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°	76072.0	100.0
0°-180°	76072.0	100.0

Coefficient of Utilization

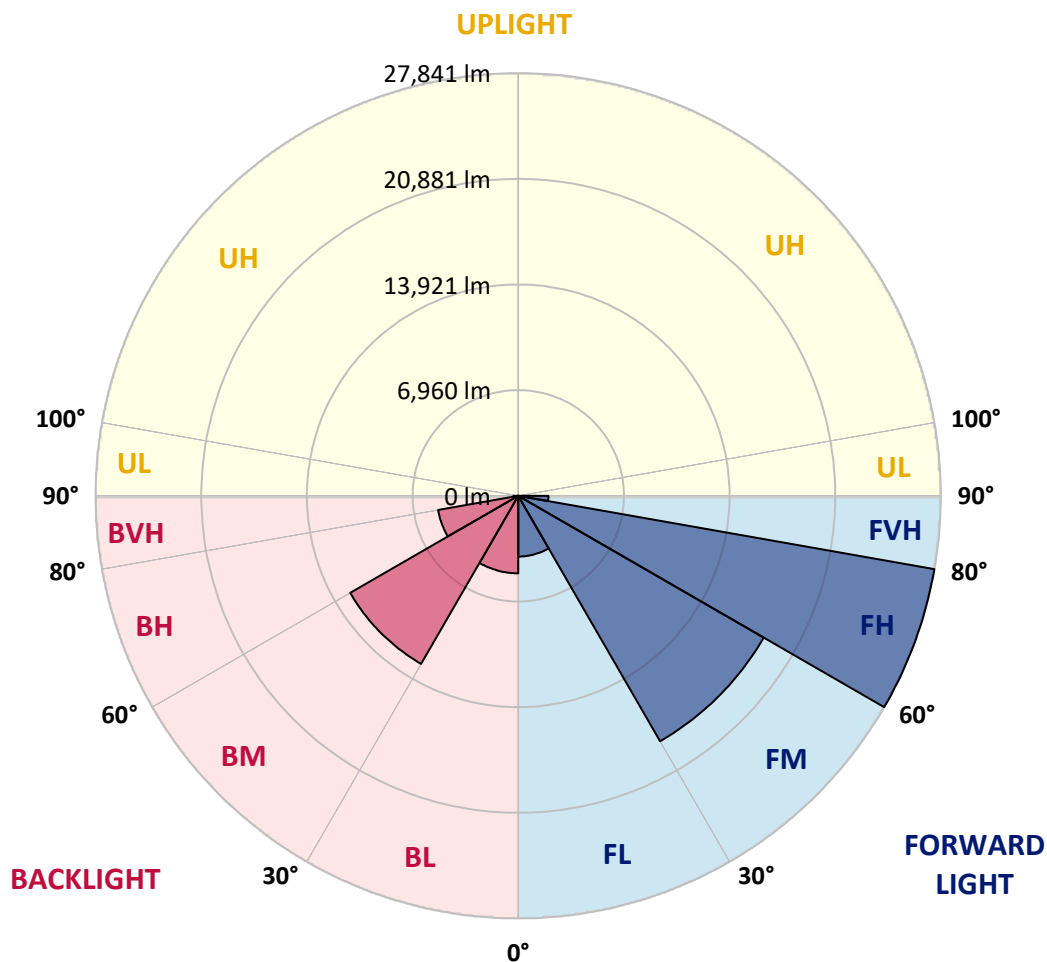


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4001.5	5.3			
FM (30°-60°)	18674.0	24.5			
FH (60°-80°)	27841.2	36.6			G5
FVH (80°-90°)	1985.7	2.6			G5
BL (0°-30°)	5105.4	6.7	B5		
BM (30°-60°)	12784.4	16.8	B5		
BH (60°-80°)	5362.8	7.0	B5		G5
BVH (80°-90°)	317.0	0.4			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	8698.9	8698.9	8698.9	8698.9	8698.9	8698.9	8698.9	8698.9	8698.9	8698.9
2.5°	8565.8	8614.2	8602.1	8586.0	8586.0	8590.0	8586.0	8614.2	8642.4	8670.7
5°	8654.6	8703.0	8678.8	8658.6	8642.4	8638.4	8626.3	8622.3	8638.4	8674.7
7.5°	8828.0	8876.5	8840.2	8803.8	8771.6	8755.4	8739.3	8715.1	8703.0	8723.1
10°	9021.7	9070.1	9025.7	8961.2	8908.7	8888.6	8872.4	8848.2	8832.1	8844.2
12.5°	9215.4	9263.8	9203.3	9114.5	9045.9	9033.8	9013.6	9005.6	9001.5	8997.5
15°	9396.9	9437.3	9360.6	9255.7	9183.1	9162.9	9142.8	9154.9	9175.0	9199.2
17.5°	9538.2	9578.5	9465.5	9328.4	9259.8	9251.7	9239.6	9279.9	9336.4	9396.9
20°	9667.3	9707.6	9562.4	9376.8	9296.1	9296.1	9300.1	9384.8	9465.5	9554.3
22.5°	9848.8	9881.1	9703.6	9449.4	9332.4	9340.5	9372.7	9457.5	9558.3	9679.4
25°	10119.2	10143.4	9925.5	9586.6	9453.4	9477.6	9505.9	9546.2	9643.1	9784.3
27.5°	10554.9	10575.1	10288.6	9828.7	9626.9	9667.3	9707.6	9679.4	9723.8	9844.8
30°	11168.2	11180.3	10817.2	10207.9	9921.5	9941.6	9949.7	9832.7	9748.0	9844.8
32.5°	11894.5	11890.4	11458.7	10667.9	10256.4	10236.2	10167.6	9937.6	9739.9	9824.6
35°	13020.2	12975.8	12419.0	11313.5	10635.6	10510.5	10349.1	10054.6	9780.2	9804.5
37.5°	14884.2	14747.0	13976.4	12370.6	11200.5	10881.7	10643.7	10244.2	9869.0	9796.4
40°	16986.3	16812.8	15965.5	13819.0	12047.8	11535.4	11152.1	10514.6	10014.3	9832.7
42.5°	19479.8	19233.7	18321.8	15525.7	13121.0	12378.6	11801.7	10857.5	10228.1	9949.7
45°	22542.2	22215.4	20924.2	17450.3	14472.7	13484.2	12713.5	11378.0	10554.9	10175.7
47.5°	25636.8	25717.5	23881.7	19653.3	16094.6	14847.9	13855.4	12160.8	11031.0	10538.8
50°	28925.2	28981.7	26823.1	22094.3	17934.5	16389.2	15138.4	13036.3	11692.7	11055.2
52.5°	31491.3	31499.3	29494.1	24648.3	19851.0	18083.8	16522.3	14036.9	12459.3	11741.1
55°	33097.1	33076.9	31366.2	27065.1	22054.0	19863.1	18055.5	15174.7	13395.4	12548.1
57.5°	34263.2	34202.6	32657.3	29143.0	24402.2	21965.2	19790.5	16465.8	14500.9	13508.4
60°	34707.0	34670.7	33532.9	30938.5	26871.5	24289.2	21791.7	17910.3	15755.7	14642.1
62.5°	34876.4	34945.0	34392.3	32677.5	29514.2	26863.4	23990.7	19637.2	17167.9	15925.2
65°	35473.6	35598.7	35485.7	34953.1	32500.0	29877.4	26907.8	21690.8	18709.2	17301.0
67.5°	36655.8	36780.8	36829.3	37676.6	36147.4	33633.7	30547.1	24248.9	20512.7	18729.3
70°	36627.5	36591.2	37446.6	39843.2	40714.7	38834.5	35453.4	27396.0	22663.2	19915.6
72.5°	33339.2	33048.7	35070.1	39819.0	44515.5	44265.3	41445.0	31455.0	24519.2	20060.8
75°	25011.5	24236.8	27807.5	35885.1	45148.9	47347.9	45253.8	33972.6	24079.4	17724.7
77.5°	10696.1	9917.4	14125.7	26564.8	40408.1	44261.3	41759.7	29639.3	19221.6	11721.0
80°	2800.1	2796.1	4268.8	12043.7	27480.7	32685.6	28675.0	19140.9	10982.6	4188.1
82.5°	1158.0	1129.7	1569.5	4684.4	13427.7	18342.0	14968.9	8537.5	3966.2	1133.8
85°	431.7	427.7	762.6	1617.9	4736.8	7565.2	5475.2	2182.8	988.5	552.8
87.5°	121.0	117.0	165.4	560.8	1153.9	1751.1	936.1	359.1	278.4	217.9
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°
8698.9	0°	8698.9	8698.9	8698.9	8698.9	8698.9	8698.9	8698.9	8698.9	8698.9	8698.9
8715.1	2.5°	8727.2	8747.4	8783.7	8811.9	8848.2	8888.6	8945.1	8981.4	9017.7	9041.9
8735.2	5°	8763.5	8807.9	8900.7	8993.5	9102.4	9203.3	9320.3	9405.0	9473.6	9493.8
8807.9	7.5°	8844.2	8916.8	9074.2	9231.5	9405.0	9570.4	9739.9	9885.2	10002.2	10046.5
8937.0	10°	8985.4	9082.2	9304.1	9526.1	9756.0	10010.2	10228.1	10437.9	10603.3	10671.9
9090.3	12.5°	9162.9	9284.0	9574.5	9881.1	10199.9	10550.9	10833.3	11091.5	11297.3	11390.1
9304.1	15°	9392.9	9550.3	9921.5	10333.0	10801.0	11289.2	11648.3	11934.8	12164.8	12277.8
9526.1	17.5°	9643.1	9852.9	10320.9	10942.3	11612.0	12253.6	12673.2	12883.0	13121.0	13230.0
9731.8	20°	9885.2	10143.4	10813.1	11716.9	12608.6	13290.5	13629.4	13685.9	13702.0	13714.1
9925.5	22.5°	10135.3	10482.3	11430.5	12693.3	13649.6	14121.6	14170.1	13928.0	13589.1	13431.7
10115.1	25°	10409.7	10869.6	12237.4	13770.6	14545.3	14601.8	14230.6	13641.5	13000.0	12705.4
10268.5	27.5°	10676.0	11317.5	13205.8	14799.5	15190.9	14694.6	13895.7	13060.5	12285.8	11975.2
10377.4	30°	10942.3	11829.9	14275.0	15699.2	15485.4	14464.6	13367.1	12435.1	11656.4	11329.6
10474.2	32.5°	11212.6	12427.0	15505.6	16348.8	15432.9	13976.4	12709.5	11733.1	11047.2	10704.2
10559.0	35°	11519.2	13161.4	16671.6	16703.9	15081.9	13258.2	11842.0	10893.8	10296.7	10022.3
10659.8	37.5°	11918.7	14093.4	17700.5	16792.7	14468.6	12205.1	10764.7	9901.3	9409.1	9284.0
10809.1	40°	12414.9	15215.1	18487.3	16651.4	13560.8	10926.1	9586.6	8896.6	8618.2	8646.5
11010.8	42.5°	13060.5	16469.9	19040.0	16288.3	12297.9	9606.8	8553.7	8247.0	8380.2	8493.2
11313.5	45°	13899.7	17773.1	19383.0	15671.0	10869.6	8489.1	7944.4	8017.1	8117.9	8130.0
11801.7	47.5°	14973.0	19092.5	19608.9	14739.0	9413.1	7702.3	7557.1	7573.2	7553.1	7468.3
12532.0	50°	16312.5	20375.5	19810.7	13504.3	8174.4	7210.1	7016.4	6960.0	6681.6	6407.2
13504.3	52.5°	17837.7	21553.7	19895.4	11971.1	7210.1	6798.6	6483.9	6128.8	5608.3	5523.6
14726.9	55°	19532.3	22643.1	19677.5	10086.9	6399.1	6270.0	5793.9	5366.2	5309.7	5237.1
16336.7	57.5°	21557.7	23817.2	19233.7	7984.8	5568.0	5652.7	5188.7	5237.1	5136.2	5023.3
18406.6	60°	23772.8	25031.6	18455.0	6068.3	4708.6	4882.1	5031.3	5027.3	4999.1	4906.3
20589.4	62.5°	25766.0	25830.5	16921.8	4648.0	3954.1	4284.9	4692.4	4688.4	4664.2	4611.7
22869.0	65°	26952.2	25709.5	14363.7	3659.5	3332.7	3792.7	4232.5	4264.7	4268.8	4264.7
24583.8	67.5°	26742.4	24293.3	10853.5	2913.1	2820.3	3292.4	3776.5	3820.9	3853.2	3861.3
24801.6	70°	24369.9	21182.5	7077.0	2324.0	2364.4	2852.6	3344.8	3389.2	3417.4	3449.7
21521.4	72.5°	18995.6	15574.2	4050.9	1880.2	1964.9	2473.3	2917.1	2969.6	2985.7	3046.2
14977.0	75°	11575.7	9158.9	2186.8	1480.8	1613.9	2114.2	2493.5	2554.0	2582.2	2654.9
7355.4	77.5°	5503.4	3966.2	1246.7	1153.9	1299.2	1726.9	2106.1	2174.7	2098.1	2138.4
2029.5	80°	1860.0	1472.7	786.8	879.6	992.6	1347.6	1686.5	1755.1	1593.7	1585.7
673.8	82.5°	649.6	597.1	500.3	585.0	641.5	964.3	1275.0	1363.7	1186.2	1182.2
302.6	85°	254.2	242.1	278.4	318.7	383.3	593.1	839.2	883.6	730.3	589.1
88.8	87.5°	52.5	56.5	68.6	72.6	117.0	205.8	302.6	371.2	294.5	250.2
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°
8698.9
9025.7
9501.9
10050.6
10676.0
11390.1
12269.7
13225.9
13746.4
13476.1
12749.8
12011.5
11365.9
10748.6
10082.9
9372.7
8743.3
8598.1
8210.7
7532.9
6443.5
5551.8
5249.2
5003.1
4874.0
4591.6
4264.7
3869.3
3465.9
3070.4
2662.9
2106.1
1569.5
1125.7
581.0
230.0
0.0

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