

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: P853109

Luminaire Tested: **GLAN-SB8D-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853109
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-SB8D-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 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: 79808 lumens
Efficiency: N/A
Efficacy: 136.4 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

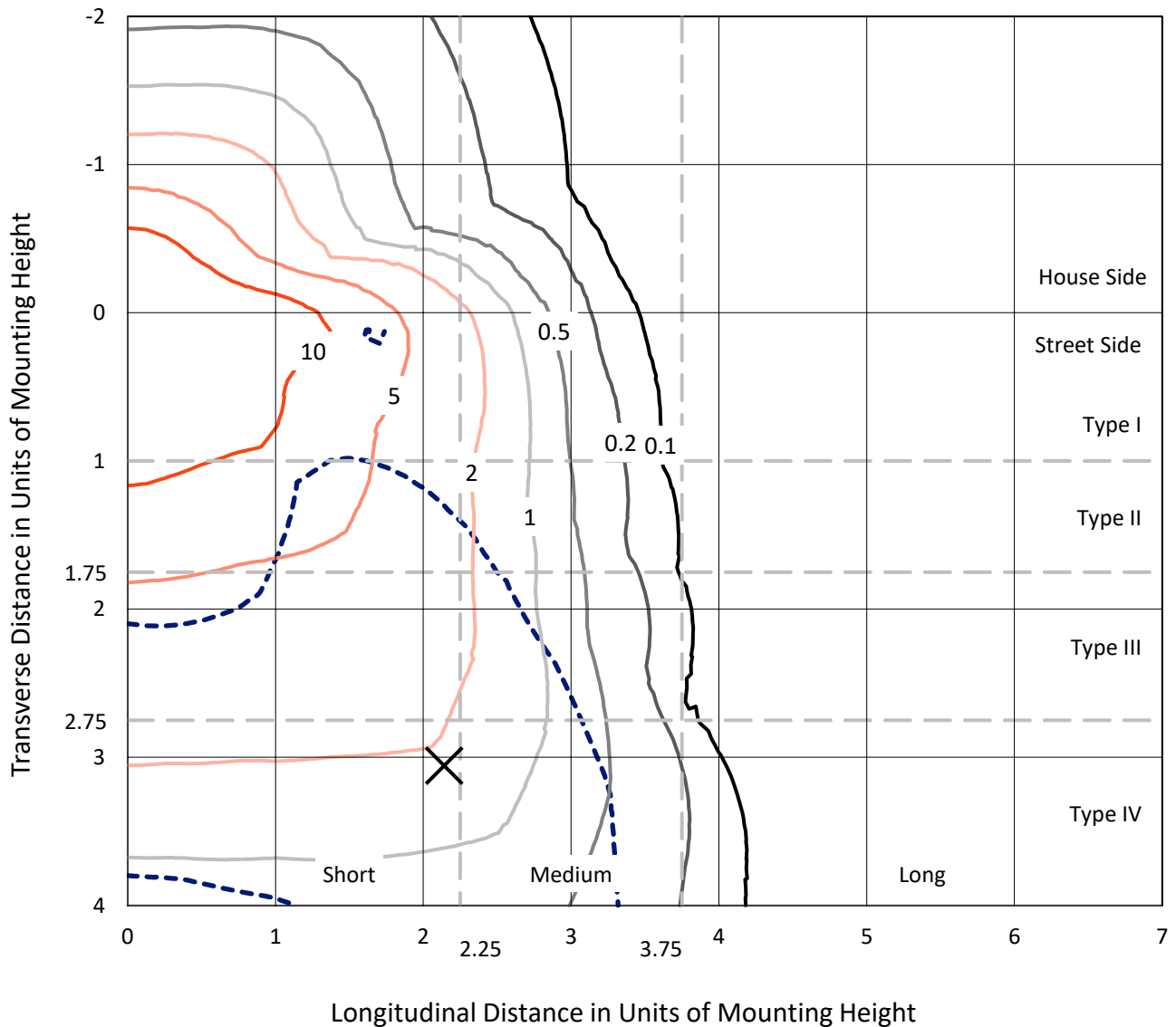
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

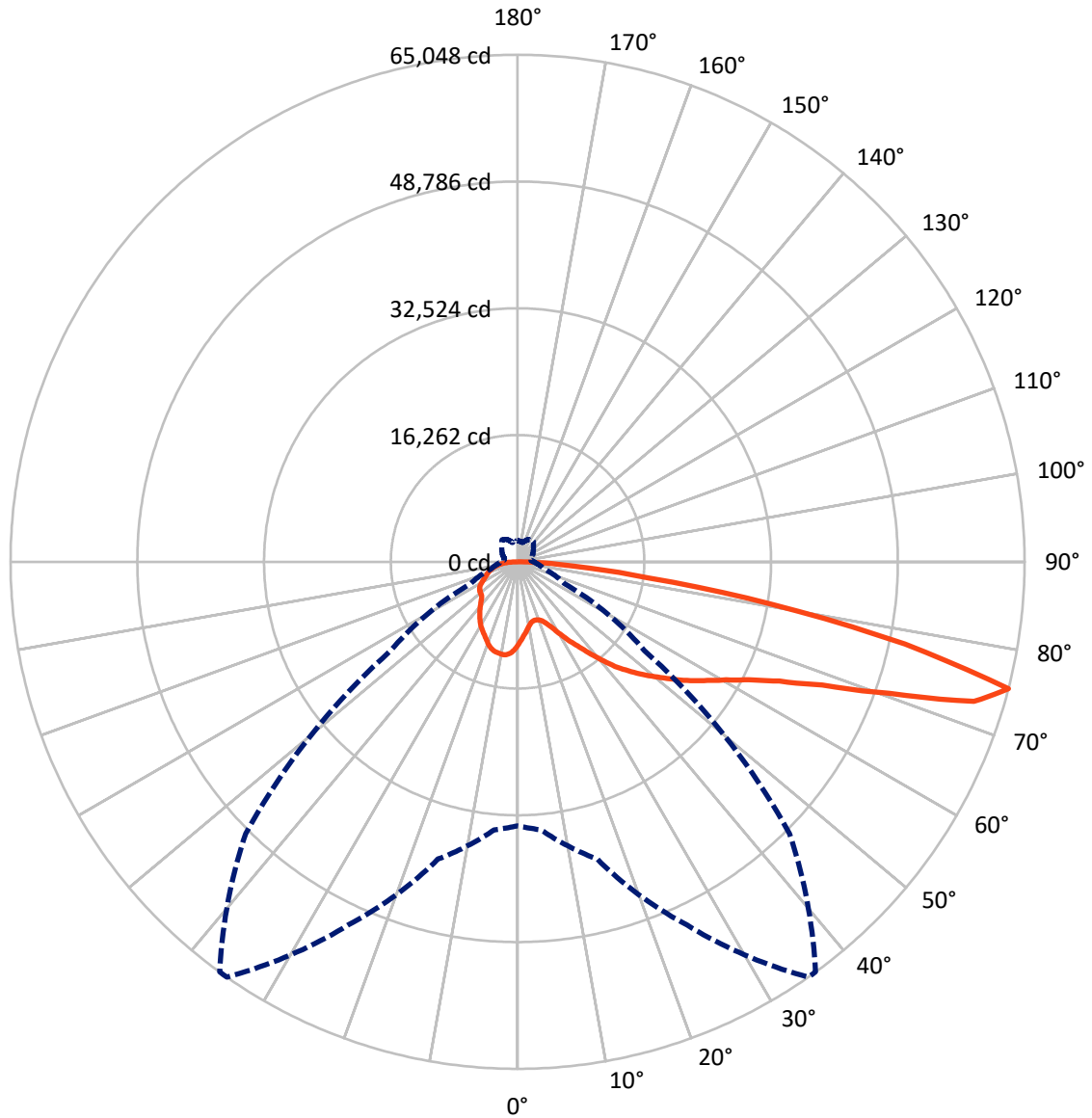
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.8 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	18992.3	0.0	18992.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	60815.7	0.0	60815.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	79808.0	0.0	79808.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1006.9	1.3
10°-20°	2904.4	3.6
20°-30°	4877.2	6.1
30°-40°	7579.9	9.5
40°-50°	11250.6	14.1
50°-60°	15532.1	19.5
60°-70°	18844.0	23.6
70°-80°	15573.1	19.5
80°-90°	2239.9	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°	79808.0	100.0
0°-180°	79808.0	100.0

Coefficient of Utilization

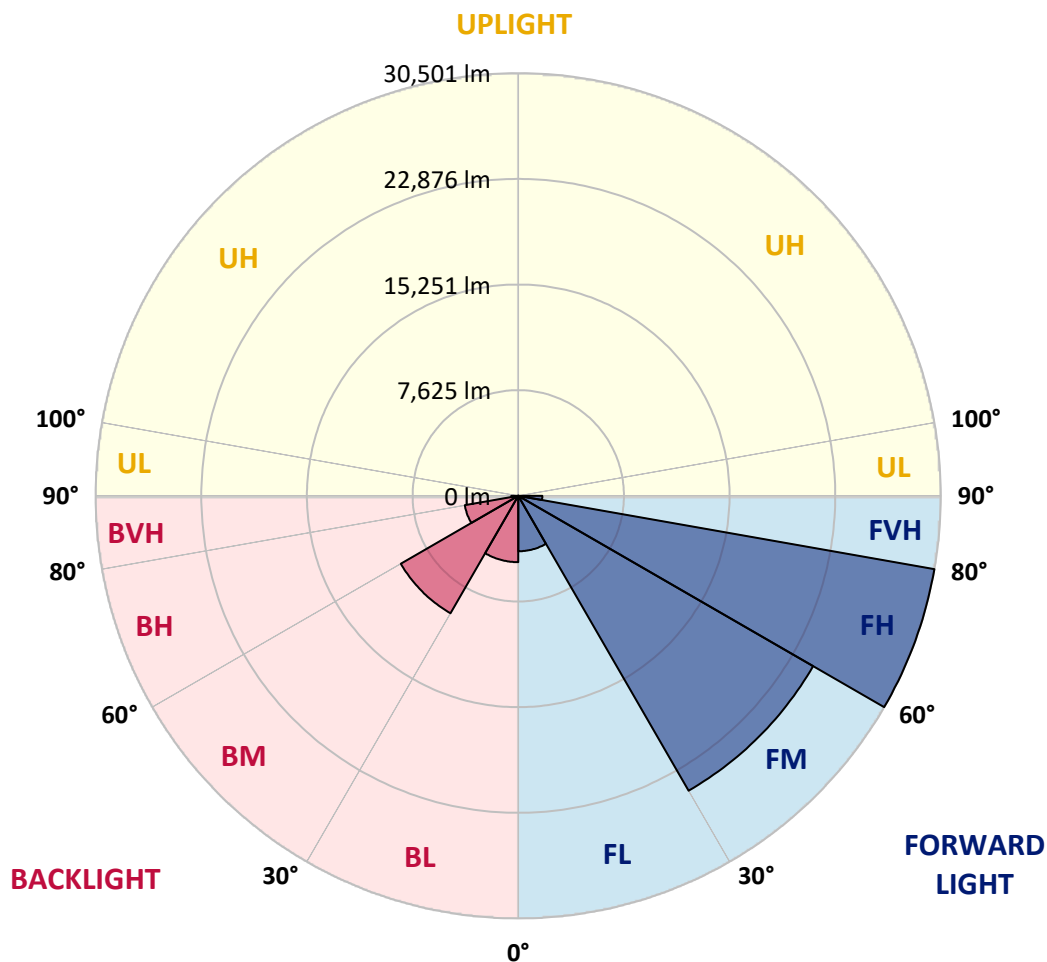


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4002.2	5.0			
FM (30°-60°)	24576.5	30.8			
FH (60°-80°)	30501.4	38.2			G5
FVH (80°-90°)	1735.5	2.2			G5
BL (0°-30°)	4786.3	6.0	B4/5000		
BM (30°-60°)	9786.0	12.3	B5		
BH (60°-80°)	3915.6	4.9	B4/5000		G4/5000
BVH (80°-90°)	504.4	0.6			G4/750
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°	10635.0	10635.0	10635.0	10635.0	10635.0	10635.0	10635.0	10635.0	10635.0	10635.0
2.5°	9806.6	9867.0	9892.9	9879.9	9944.7	9936.0	10026.6	10138.8	10294.1	10445.1
5°	9051.6	9116.3	9172.4	9224.2	9349.3	9388.1	9530.5	9746.2	10030.9	10320.0
7.5°	8348.3	8404.4	8490.7	8585.6	8797.0	8835.9	9073.1	9409.7	9806.6	10229.4
10°	7774.5	7830.6	7921.2	8029.1	8292.2	8339.7	8641.7	9090.4	9608.1	10143.1
12.5°	7528.6	7545.9	7597.6	7705.5	7934.2	7964.4	8296.6	8810.0	9414.0	10078.4
15°	7515.7	7550.2	7554.5	7610.6	7800.4	7813.3	8119.7	8628.8	9293.2	10065.5
17.5°	7645.1	7671.0	7632.1	7666.7	7826.3	7847.9	8089.5	8542.5	9254.4	10121.5
20°	7990.2	8011.8	7895.3	7847.9	7964.4	7981.6	8218.9	8598.6	9293.2	10238.0
22.5°	8723.7	8736.6	8451.9	8257.7	8266.4	8275.0	8482.1	8827.2	9444.2	10449.4
25°	9867.0	9858.4	9405.4	9030.0	8814.3	8766.8	8904.9	9198.3	9698.7	10729.9
27.5°	11204.5	11139.7	10686.7	10125.9	9655.6	9586.6	9556.4	9681.5	10061.1	11100.9
30°	12714.5	12654.1	12166.6	11433.1	10781.6	10669.5	10384.7	10320.0	10600.4	11605.7
32.5°	14371.2	14332.4	13749.9	12861.2	11989.7	11860.2	11381.3	11208.8	11428.8	12369.3
35°	15760.4	15725.9	15242.7	14328.1	13262.4	13102.8	12615.3	12421.1	12533.3	13348.7
37.5°	17015.9	16998.7	16584.5	15864.0	14763.8	14569.7	14021.7	13957.0	13935.5	14638.7
40°	18180.8	18137.7	17706.2	17326.6	16511.1	16334.3	15851.0	15795.0	15631.0	16226.4
42.5°	19470.8	19358.6	18733.1	18556.2	18336.1	18189.4	17900.4	17909.0	17546.6	18016.9
45°	20523.5	20458.8	19816.0	19712.4	19949.7	19889.3	20139.5	20204.3	19501.0	19893.6
47.5°	21653.9	21593.5	21049.9	20976.5	21619.4	21636.6	22521.1	22542.7	21408.0	21843.7
50°	23047.4	22961.2	22421.9	22512.5	23233.0	23297.7	24915.6	24768.9	23163.9	23824.0
52.5°	23966.4	24018.2	23901.7	24048.4	25032.1	25092.5	27271.2	26895.9	24902.6	25778.4
55°	24643.8	24747.3	25109.7	25446.2	26930.4	26990.8	29493.1	28919.3	26343.6	27590.5
57.5°	25515.3	25368.6	26045.9	26701.7	28733.8	28893.4	31654.6	30869.4	27620.7	29152.3
60°	26766.4	26662.9	27189.2	28160.0	30752.9	31007.5	33941.3	32625.4	28556.9	30390.5
62.5°	29303.3	29044.4	29126.4	29985.0	33298.4	33634.9	36521.3	34157.0	29022.9	30873.7
65°	33095.6	32651.3	32237.1	32832.5	36883.7	37215.9	39433.5	35360.7	28850.3	29937.5
67.5°	37871.7	37431.6	36922.5	37483.4	42164.5	42427.6	43027.3	36038.0	27491.3	26330.7
70°	41810.7	41646.7	42255.1	44563.3	50599.1	50607.7	47635.1	35477.2	23767.9	18668.3
72.5°	41288.7	41189.4	44395.0	51531.0	61229.7	61001.1	51997.0	31231.8	16010.7	8421.7
75°	33872.2	34515.1	39480.9	51405.9	65048.0	65017.8	49326.3	19854.8	6622.6	3490.3
77.5°	18163.6	19181.8	25631.8	37953.6	50780.3	51543.9	34679.0	6946.2	2843.2	2234.9
80°	5923.6	6812.4	10216.5	19324.1	32996.4	32854.0	14863.1	2726.7	1945.8	1583.4
82.5°	2515.3	2618.8	4564.6	9124.9	16934.0	16670.8	4732.9	1566.1	1367.7	1082.9
85°	983.7	1100.2	2014.8	4219.5	7334.5	7174.8	1708.5	776.6	875.8	707.6
87.5°	323.6	392.6	720.5	1445.3	2282.3	2200.3	418.5	267.5	379.7	323.6
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°
10635.0	0°	10635.0	10635.0	10635.0	10635.0	10635.0	10635.0	10635.0	10635.0	10635.0	10635.0
10665.2	2.5°	10725.6	10794.6	10876.6	10997.4	11100.9	11187.2	11277.8	11333.9	11355.5	11420.2
10682.4	5°	10803.2	10954.2	11157.0	11355.5	11549.6	11666.1	11769.6	11821.4	11868.9	11903.4
10729.9	7.5°	10932.6	11126.8	11446.1	11704.9	11868.9	11963.8	12032.8	12015.6	12032.8	12041.4
10781.6	10°	11044.8	11316.6	11696.3	11942.2	12067.3	12071.6	12054.4	11994.0	11963.8	11968.1
10859.3	12.5°	11178.6	11480.6	11890.4	12097.5	12132.0	12037.1	11963.8	11860.2	11821.4	11804.2
10975.8	15°	11359.8	11704.9	12101.8	12179.5	12093.2	11972.4	11847.3	11679.0	11592.7	11523.7
11174.3	17.5°	11579.8	11959.5	12265.8	12209.7	12024.2	11825.7	11622.9	11368.4	11191.5	11118.2
11446.1	20°	11886.1	12227.0	12390.9	12145.0	11864.6	11562.5	11217.4	10906.8	10742.8	10669.5
11791.2	22.5°	12257.2	12585.1	12511.7	12032.8	11635.9	11152.7	10721.2	10492.6	10410.6	10358.8
12235.6	25°	12701.5	12982.0	12598.0	11868.9	11260.5	10609.1	10276.9	10203.5	10164.7	10125.9
12779.2	27.5°	13279.7	13430.7	12662.7	11627.3	10673.8	10030.9	9910.1	9923.1	9910.1	9845.4
13534.2	30°	14043.3	14013.1	12723.1	11234.7	10000.7	9508.9	9517.5	9573.6	9582.2	9539.1
14586.9	32.5°	15048.6	14742.2	12753.3	10725.6	9357.9	9051.6	9060.2	9120.6	9163.8	9090.4
15963.2	35°	16265.2	15592.2	12705.9	10087.0	8861.7	8615.8	8551.1	8568.4	8581.3	8512.3
17632.9	37.5°	17684.7	16545.7	12494.5	9379.5	8451.9	8188.7	8050.6	7934.2	7865.1	7800.4
19522.6	40°	19242.2	17585.4	12106.2	8689.2	7994.6	7735.7	7528.6	7308.6	7075.6	6989.3
21524.5	42.5°	20873.0	18655.4	11635.9	8029.1	7468.2	7256.8	7036.8	6717.5	6368.0	6191.1
23604.0	45°	22564.2	19751.2	11174.3	7377.6	6928.9	6838.3	6583.7	6199.8	5820.1	5595.8
25687.8	47.5°	24221.0	20786.7	10496.9	6721.8	6424.1	6523.3	6324.9	5971.1	5548.3	5194.5
27754.4	50°	25804.3	21757.4	9388.1	6057.4	6014.3	6428.4	6238.6	5729.5	5246.3	4793.3
29782.2	52.5°	27374.8	22542.7	7968.7	5453.4	5794.2	6402.5	6126.4	5565.6	4974.5	4499.9
31689.1	55°	28707.9	22948.2	6601.0	4935.7	5475.0	6182.5	5992.7	5371.4	4590.5	4085.7
32996.4	57.5°	29467.2	22620.3	5462.0	4426.6	5034.9	5820.1	5764.0	4957.2	4133.2	3744.9
33251.0	60°	29139.3	21291.5	4530.1	3982.2	4616.4	5427.5	5367.1	4547.4	3783.7	3417.0
31887.6	62.5°	27331.6	18758.9	3792.3	3593.9	4236.7	5026.3	4970.2	4232.4	3516.2	3162.4
28267.8	65°	23690.3	15260.0	3218.5	3270.3	3852.7	4543.0	4625.0	3969.2	3304.8	2959.7
21869.6	67.5°	18068.6	11053.5	2769.8	2989.9	3477.4	4068.5	4305.8	3779.4	3127.9	2800.0
12654.1	70°	10298.4	6277.4	2390.2	2718.1	3145.2	3628.4	4059.8	3628.4	2938.1	2666.3
4741.5	72.5°	3904.5	2882.0	2066.6	2446.3	2825.9	3257.4	3788.0	3391.1	2718.1	2515.3
2450.6	75°	2083.8	1756.0	1738.7	2127.0	2459.2	2895.0	3447.2	3158.1	2554.1	2657.7
1695.6	77.5°	1419.4	1242.5	1453.9	1820.7	2058.0	2493.7	3084.8	2804.3	2213.3	2204.7
1173.5	80°	983.7	880.1	1182.1	1466.9	1592.0	2096.8	2692.2	2407.4	1803.4	1682.6
724.8	82.5°	591.1	573.8	884.4	1095.9	1126.1	1617.9	2230.5	2019.1	1475.5	1285.7
431.4	85°	323.6	340.8	565.2	642.8	655.8	1130.4	1747.3	1561.8	1134.7	953.5
155.3	87.5°	90.6	116.5	207.1	254.5	315.0	586.8	1039.8	927.6	569.5	396.9
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°
10635.0
11415.9
11912.0
12054.4
11976.7
11795.5
11545.3
11122.5
10660.8
10367.5
10125.9
9858.4
9560.7
9124.9
8559.7
7843.5
7028.1
6212.7
5578.5
5155.7
4754.5
4448.1
4042.6
3693.1
3365.2
3106.4
2903.6
2748.3
2631.8
2480.8
2743.9
2032.1
1609.3
1294.3
962.1
396.9
0.0

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