

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: P852971

Luminaire Tested: **GLAN-SB7D-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852971
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-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 69093 lumens
Efficiency: N/A
Efficacy: 134.7 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

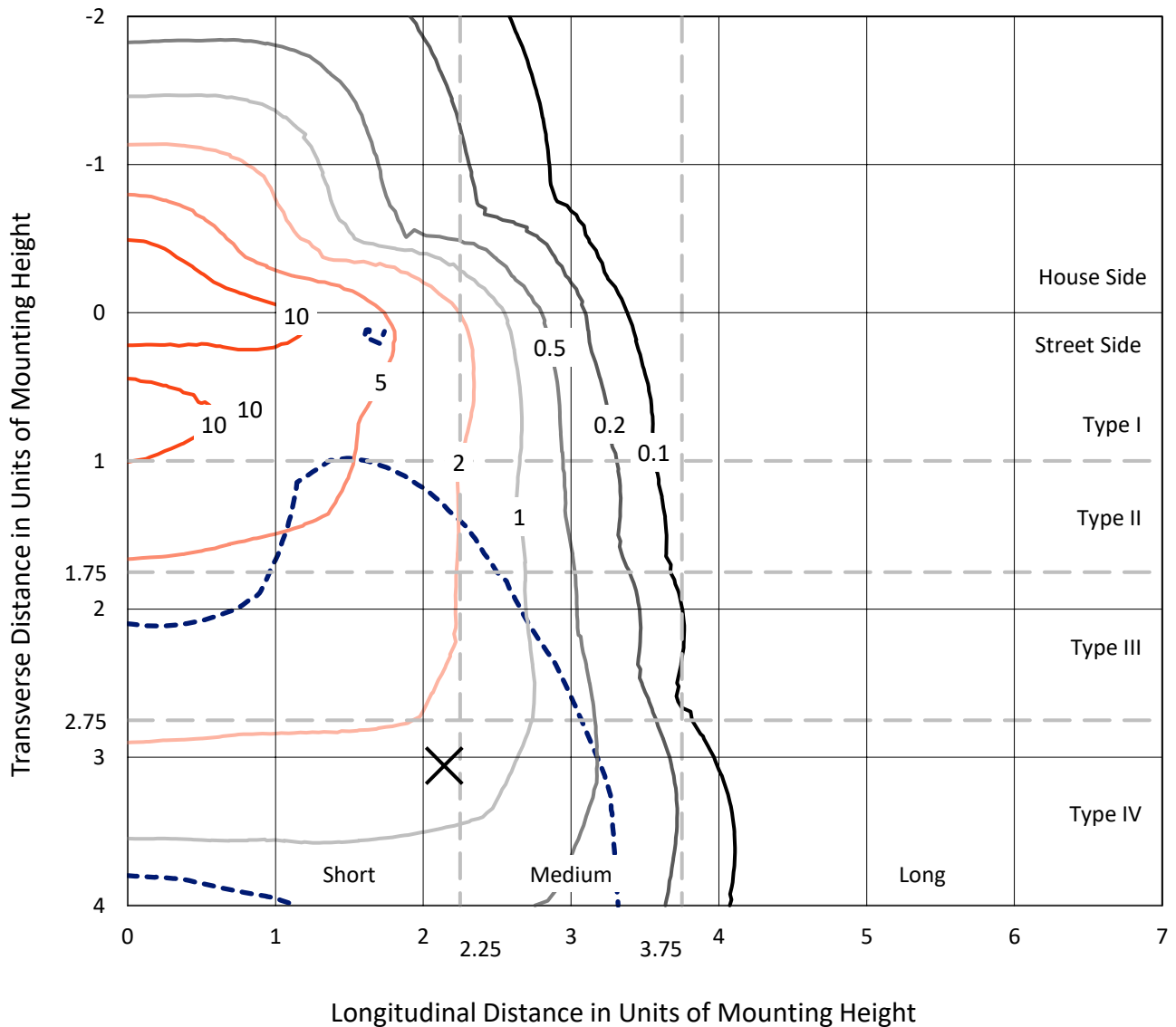
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

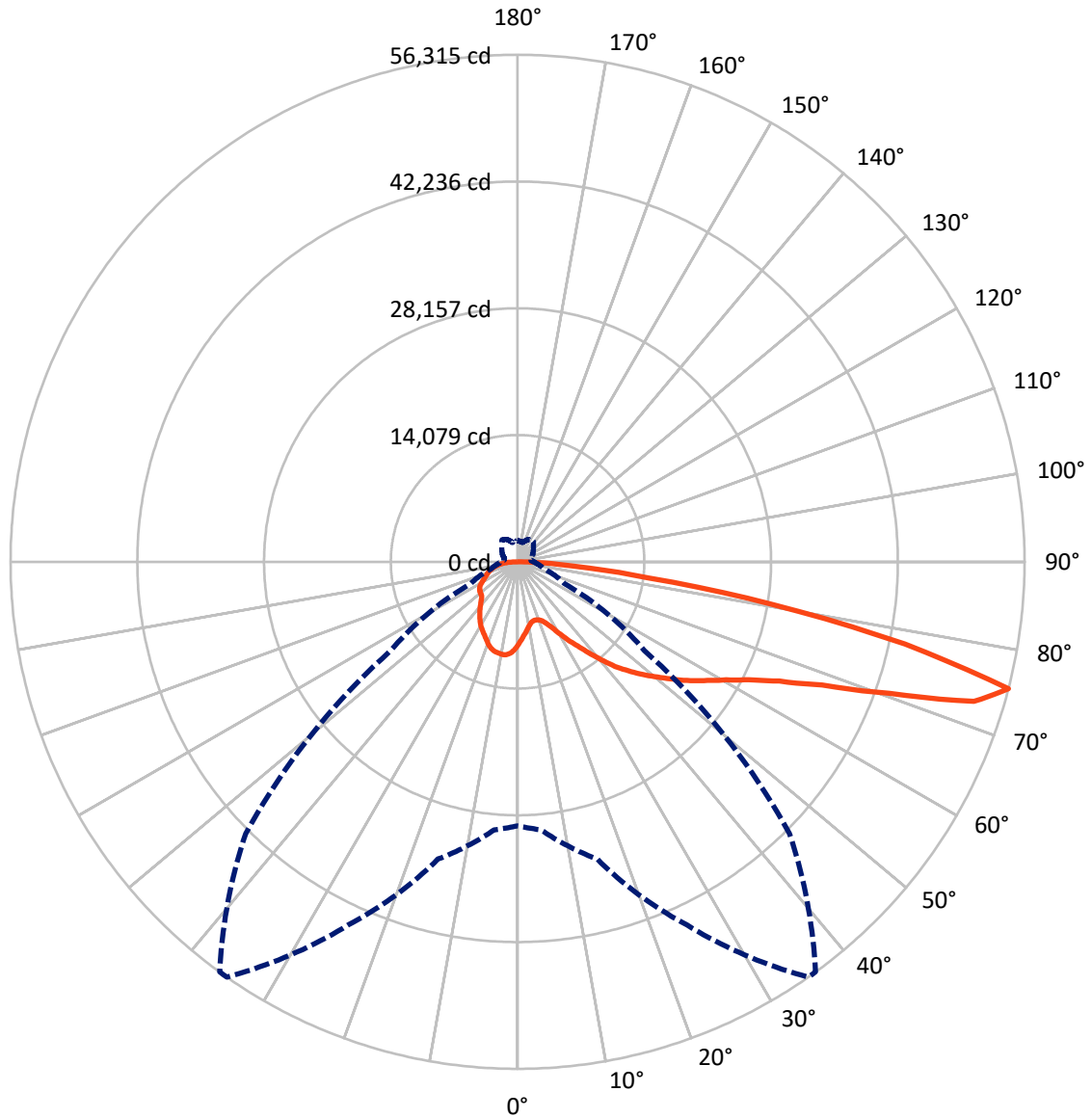
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.3 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	16442.4	0.0	16442.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	52650.6	0.0	52650.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	69093.0	0.0	69093.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	871.7	1.3
10°-20°	2514.5	3.6
20°-30°	4222.4	6.1
30°-40°	6562.2	9.5
40°-50°	9740.1	14.1
50°-60°	13446.7	19.5
60°-70°	16314.0	23.6
70°-80°	13482.2	19.5
80°-90°	1939.2	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°	69093.0	100.0
0°-180°	69093.0	100.0

Coefficient of Utilization

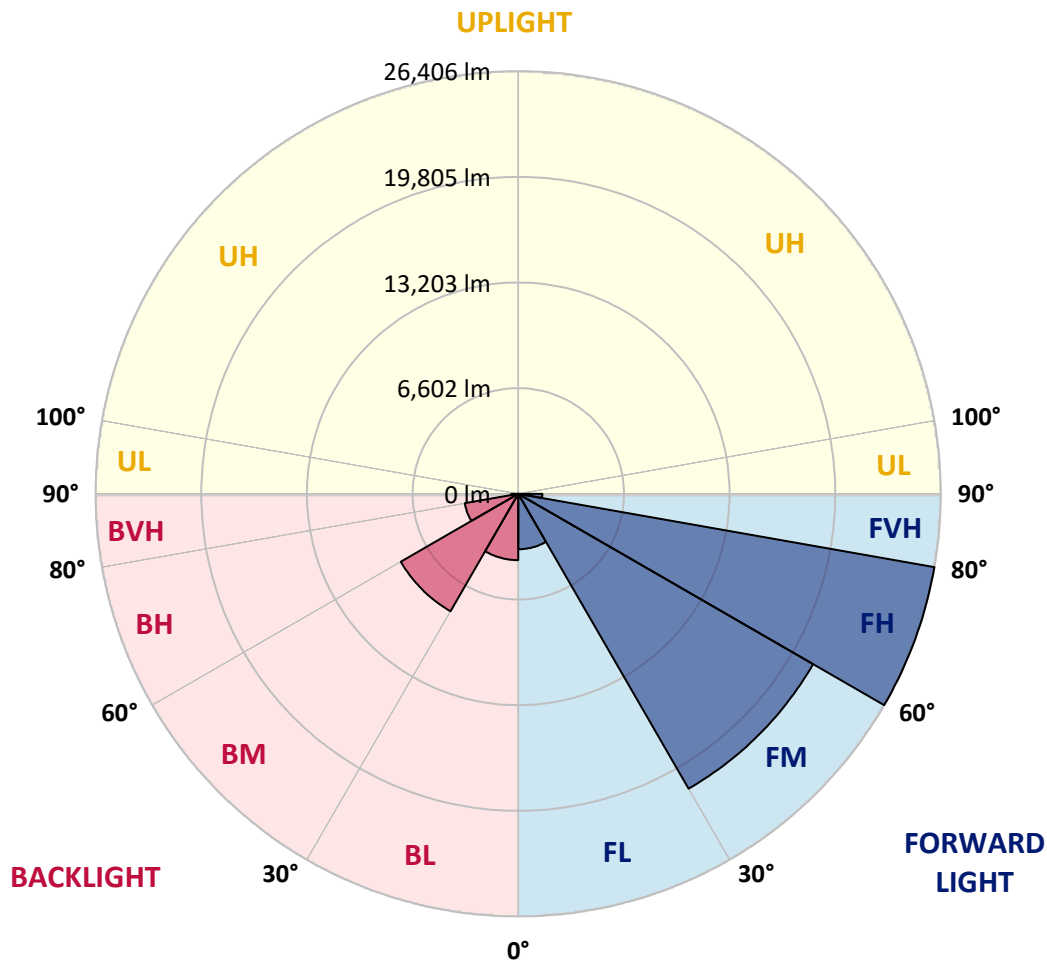


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3464.9	5.0			
FM (30°-60°)	21276.9	30.8			
FH (60°-80°)	26406.3	38.2			G5
FVH (80°-90°)	1502.5	2.2			G5
BL (0°-30°)	4143.7	6.0	B4/5000		
BM (30°-60°)	8472.1	12.3	B4/8500		
BH (60°-80°)	3389.9	4.9	B4/5000		G4/5000
BVH (80°-90°)	436.7	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°	9207.1	9207.1	9207.1	9207.1	9207.1	9207.1	9207.1	9207.1	9207.1	9207.1
2.5°	8490.0	8542.3	8564.7	8553.5	8609.5	8602.0	8680.5	8777.6	8912.0	9042.8
5°	7836.3	7892.3	7940.9	7985.7	8094.0	8127.7	8250.9	8437.7	8684.2	8934.4
7.5°	7227.5	7276.0	7350.7	7432.9	7615.9	7649.6	7855.0	8146.3	8490.0	8856.0
10°	6730.7	6779.3	6857.7	6951.1	7178.9	7220.0	7481.5	7869.9	8318.1	8781.3
12.5°	6517.8	6532.8	6577.6	6671.0	6868.9	6895.1	7182.7	7627.1	8150.1	8725.3
15°	6506.6	6536.5	6540.2	6588.8	6753.1	6764.3	7029.5	7470.3	8045.5	8714.1
17.5°	6618.7	6641.1	6607.5	6637.3	6775.5	6794.2	7003.4	7395.6	8011.9	8762.6
20°	6917.5	6936.1	6835.3	6794.2	6895.1	6910.0	7115.4	7444.1	8045.5	8863.5
22.5°	7552.4	7563.6	7317.1	7149.0	7156.5	7164.0	7343.3	7642.1	8176.2	9046.5
25°	8542.3	8534.8	8142.6	7817.6	7630.9	7589.8	7709.3	7963.3	8396.6	9289.3
27.5°	9700.1	9644.1	9251.9	8766.4	8359.2	8299.5	8273.3	8381.6	8710.3	9610.5
30°	11007.4	10955.2	10533.1	9898.1	9334.1	9237.0	8990.5	8934.4	9177.2	10047.5
32.5°	12441.7	12408.1	11903.9	11134.4	10379.9	10267.9	9853.3	9703.9	9894.4	10708.6
35°	13644.5	13614.6	13196.2	12404.4	11481.8	11343.6	10921.5	10753.5	10850.6	11556.5
37.5°	14731.4	14716.4	14357.9	13734.1	12781.6	12613.6	12139.2	12083.2	12064.5	12673.3
40°	15739.9	15702.5	15329.0	15000.3	14294.4	14141.2	13722.9	13674.3	13532.4	14047.8
42.5°	16856.7	16759.6	16218.0	16064.8	15874.3	15747.3	15497.1	15504.5	15190.8	15597.9
45°	17768.0	17712.0	17155.5	17065.8	17271.3	17219.0	17435.6	17491.6	16882.8	17222.7
47.5°	18746.6	18694.4	18223.7	18160.2	18716.8	18731.7	19497.4	19516.1	18533.7	18911.0
50°	19953.1	19878.4	19411.5	19489.9	20113.7	20169.7	21570.4	21443.4	20053.9	20625.4
52.5°	20748.7	20793.5	20692.7	20819.6	21671.3	21723.5	23609.8	23284.8	21559.2	22317.4
55°	21335.1	21424.7	21738.5	22029.8	23314.7	23367.0	25533.4	25036.6	22806.7	23886.2
57.5°	22089.6	21962.6	22549.0	23116.8	24876.0	25014.2	27404.7	26724.9	23912.3	25238.3
60°	23172.8	23083.1	23538.8	24379.2	26624.0	26844.4	29384.3	28245.1	24722.9	26310.3
62.5°	25369.0	25144.9	25215.9	25959.2	28827.8	29119.1	31617.9	29571.1	25126.3	26728.6
65°	28652.2	28267.5	27908.9	28424.4	31931.7	32219.3	34139.1	30613.2	24976.9	25918.1
67.5°	32787.0	32406.0	31965.3	32450.9	36503.5	36731.3	37250.5	31199.6	23800.3	22795.5
70°	36197.2	36055.3	36581.9	38580.2	43805.7	43813.1	41239.6	30714.0	20576.9	16161.9
72.5°	35745.2	35659.3	38434.5	44612.5	53009.0	52811.1	45015.9	27038.6	13861.1	7291.0
75°	29324.6	29881.1	34180.2	44504.1	56314.6	56288.5	42703.8	17189.1	5733.4	3021.7
77.5°	15724.9	16606.4	22190.4	32858.0	43962.5	44623.7	30023.0	6013.6	2461.5	1934.8
80°	5128.3	5897.8	8844.8	16729.7	28566.3	28443.1	12867.5	2360.6	1684.5	1370.8
82.5°	2177.6	2267.2	3951.8	7899.8	14660.4	14432.6	4097.4	1355.9	1184.0	937.5
85°	851.6	952.5	1744.3	3653.0	6349.7	6211.5	1479.1	672.3	758.2	612.6
87.5°	280.1	339.9	623.8	1251.3	1975.9	1904.9	362.3	231.6	328.7	280.1
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°
9207.1	0°	9207.1	9207.1	9207.1	9207.1	9207.1	9207.1	9207.1	9207.1	9207.1	9207.1
9233.3	2.5°	9285.5	9345.3	9416.3	9520.9	9610.5	9685.2	9763.6	9812.2	9830.9	9886.9
9248.2	5°	9352.8	9483.5	9659.1	9830.9	9999.0	10099.8	10189.5	10234.3	10275.4	10305.2
9289.3	7.5°	9464.8	9632.9	9909.3	10133.4	10275.4	10357.5	10417.3	10402.4	10417.3	10424.8
9334.1	10°	9561.9	9797.3	10126.0	10338.9	10447.2	10450.9	10436.0	10383.7	10357.5	10361.3
9401.3	12.5°	9677.7	9939.2	10294.0	10473.3	10503.2	10421.0	10357.5	10267.9	10234.3	10219.3
9502.2	15°	9834.6	10133.4	10477.1	10544.3	10469.6	10365.0	10256.7	10111.0	10036.3	9976.5
9674.0	17.5°	10025.1	10353.8	10619.0	10570.4	10409.8	10238.0	10062.5	9842.1	9688.9	9625.4
9909.3	20°	10290.3	10585.4	10727.3	10514.4	10271.6	10010.2	9711.4	9442.4	9300.5	9237.0
10208.1	22.5°	10611.5	10895.4	10831.9	10417.3	10073.7	9655.3	9281.8	9083.9	9012.9	8968.1
10592.8	25°	10996.2	11239.0	10906.6	10275.4	9748.7	9184.7	8897.1	8833.6	8800.0	8766.4
11063.5	27.5°	11496.7	11627.5	10962.6	10066.2	9240.7	8684.2	8579.6	8590.8	8579.6	8523.6
11717.1	30°	12157.9	12131.7	11014.9	9726.3	8658.0	8232.2	8239.7	8288.3	8295.7	8258.4
12628.5	32.5°	13028.2	12763.0	11041.1	9285.5	8101.5	7836.3	7843.8	7896.1	7933.4	7869.9
13820.0	35°	14081.5	13498.8	11000.0	8732.7	7672.0	7459.1	7403.0	7418.0	7429.2	7369.4
15265.5	37.5°	15310.3	14324.2	10817.0	8120.2	7317.1	7089.3	6969.8	6868.9	6809.2	6753.1
16901.5	40°	16658.7	15224.4	10480.8	7522.6	6921.2	6697.1	6517.8	6327.3	6125.6	6050.9
18634.6	42.5°	18070.6	16150.7	10073.7	6951.1	6465.5	6282.5	6092.0	5815.6	5513.1	5359.9
20434.9	45°	19534.8	17099.5	9674.0	6387.1	5998.6	5920.2	5699.8	5367.4	5038.7	4844.5
22239.0	47.5°	20969.1	17995.9	9087.6	5819.3	5561.6	5647.5	5475.7	5169.4	4803.4	4497.1
24028.1	50°	22339.8	18836.3	8127.7	5244.1	5206.8	5565.4	5401.0	4960.3	4541.9	4149.7
25783.6	52.5°	23699.4	19516.1	6898.8	4721.2	5016.3	5542.9	5303.9	4818.3	4306.6	3895.7
27434.6	55°	24853.6	19867.2	5714.8	4273.0	4739.9	5352.4	5188.1	4650.2	3974.2	3537.2
28566.3	57.5°	25511.0	19583.3	4728.7	3832.2	4358.9	5038.7	4990.1	4291.7	3578.3	3242.1
28786.7	60°	25227.1	18432.9	3921.9	3447.5	3996.6	4698.8	4646.5	3936.8	3275.7	2958.2
27606.4	62.5°	23662.1	16240.4	3283.2	3111.4	3667.9	4351.4	4302.9	3664.2	3044.1	2737.9
24472.6	65°	20509.6	13211.2	2786.4	2831.2	3335.5	3933.1	4004.1	3436.3	2861.1	2562.3
18933.4	67.5°	15642.7	9569.4	2398.0	2588.4	3010.5	3522.2	3727.7	3272.0	2708.0	2424.1
10955.2	70°	8915.8	5434.6	2069.3	2353.1	2722.9	3141.2	3514.8	3141.2	2543.6	2308.3
4104.9	72.5°	3380.3	2495.1	1789.1	2117.8	2446.5	2820.0	3279.4	2935.8	2353.1	2177.6
2121.6	75°	1804.1	1520.2	1505.3	1841.4	2129.0	2506.3	2984.4	2734.1	2211.2	2300.8
1467.9	77.5°	1228.9	1075.7	1258.7	1576.2	1781.7	2158.9	2670.6	2427.8	1916.1	1908.7
1016.0	80°	851.6	762.0	1023.4	1269.9	1378.3	1815.3	2330.7	2084.2	1561.3	1456.7
627.5	82.5°	511.7	496.8	765.7	948.7	974.9	1400.7	1931.1	1748.0	1277.4	1113.1
373.5	85°	280.1	295.1	489.3	556.5	567.7	978.6	1512.7	1352.1	982.3	825.5
134.5	87.5°	78.4	100.8	179.3	220.4	272.7	508.0	900.2	803.1	493.0	343.6
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°
9207.1
9883.2
10312.7
10436.0
10368.7
10211.9
9995.2
9629.2
9229.5
8975.5
8766.4
8534.8
8277.1
7899.8
7410.5
6790.5
6084.5
5378.6
4829.5
4463.5
4116.1
3850.9
3499.8
3197.3
2913.4
2689.3
2513.7
2379.3
2278.4
2147.7
2375.5
1759.2
1393.2
1120.5
832.9
343.6
0.0

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