

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: P849676

Luminaire Tested: **GLAN-SB6D-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48750 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

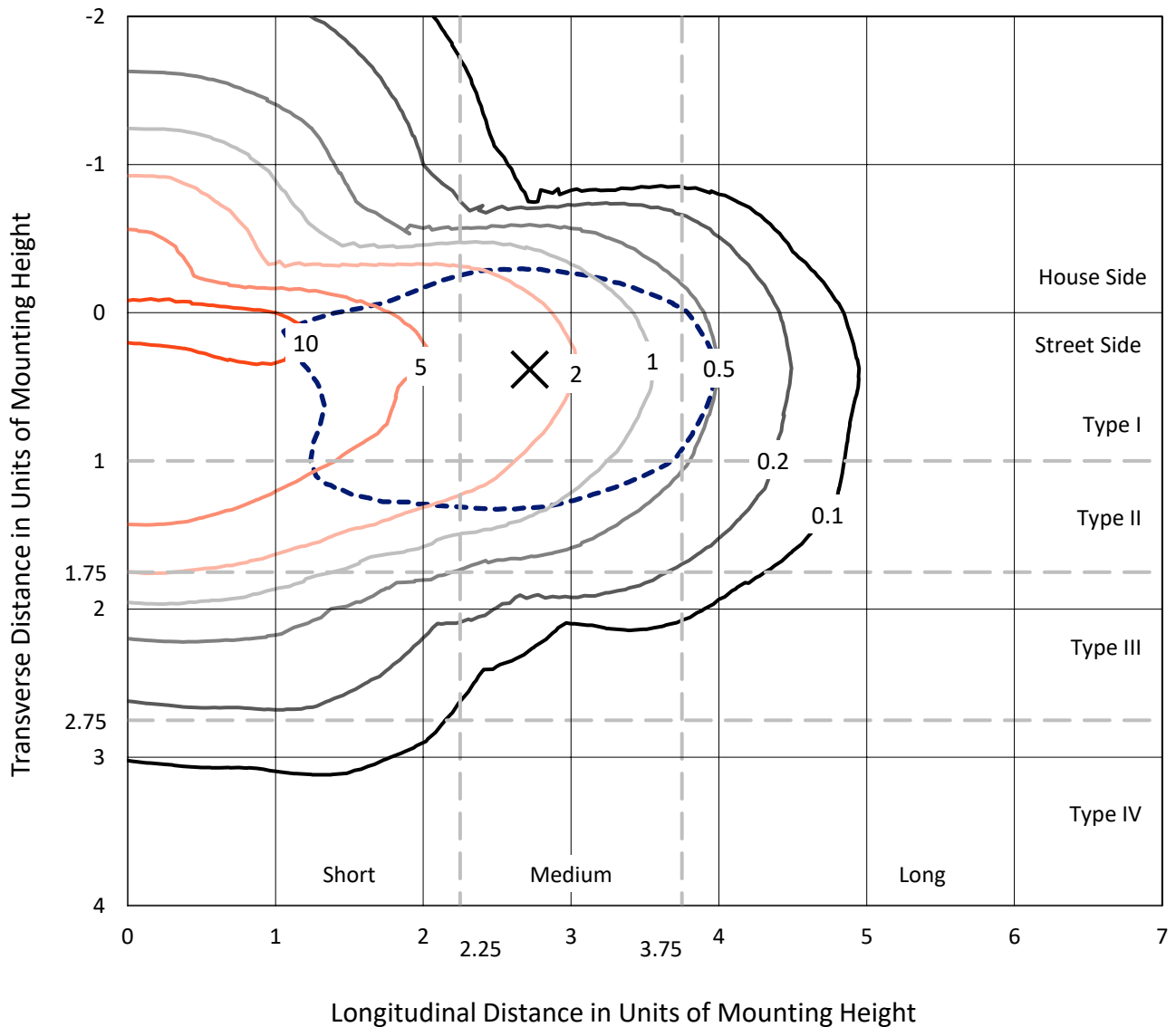
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

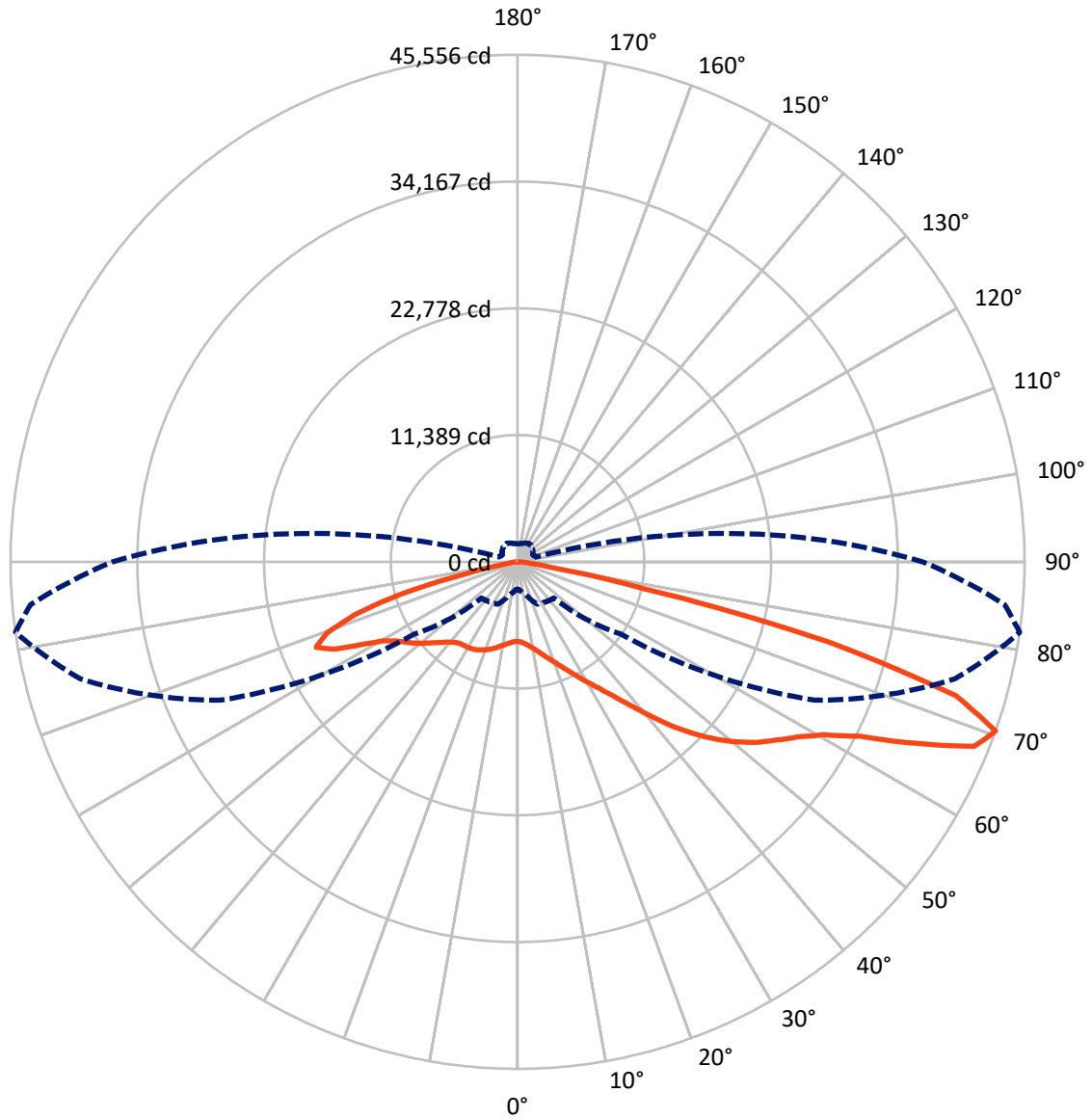
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12018.1	0.0	12018.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	36731.9	0.0	36731.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	48750.0	0.0	48750.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	674.8	1.4
10°-20°	1938.8	4.0
20°-30°	3243.5	6.7
30°-40°	5067.2	10.4
40°-50°	8070.1	16.6
50°-60°	11230.5	23.0
60°-70°	11747.6	24.1
70°-80°	6139.9	12.6
80°-90°	637.6	1.3
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°	48750.0	100.0
0°-180°	48750.0	100.0

Coefficient of Utilization



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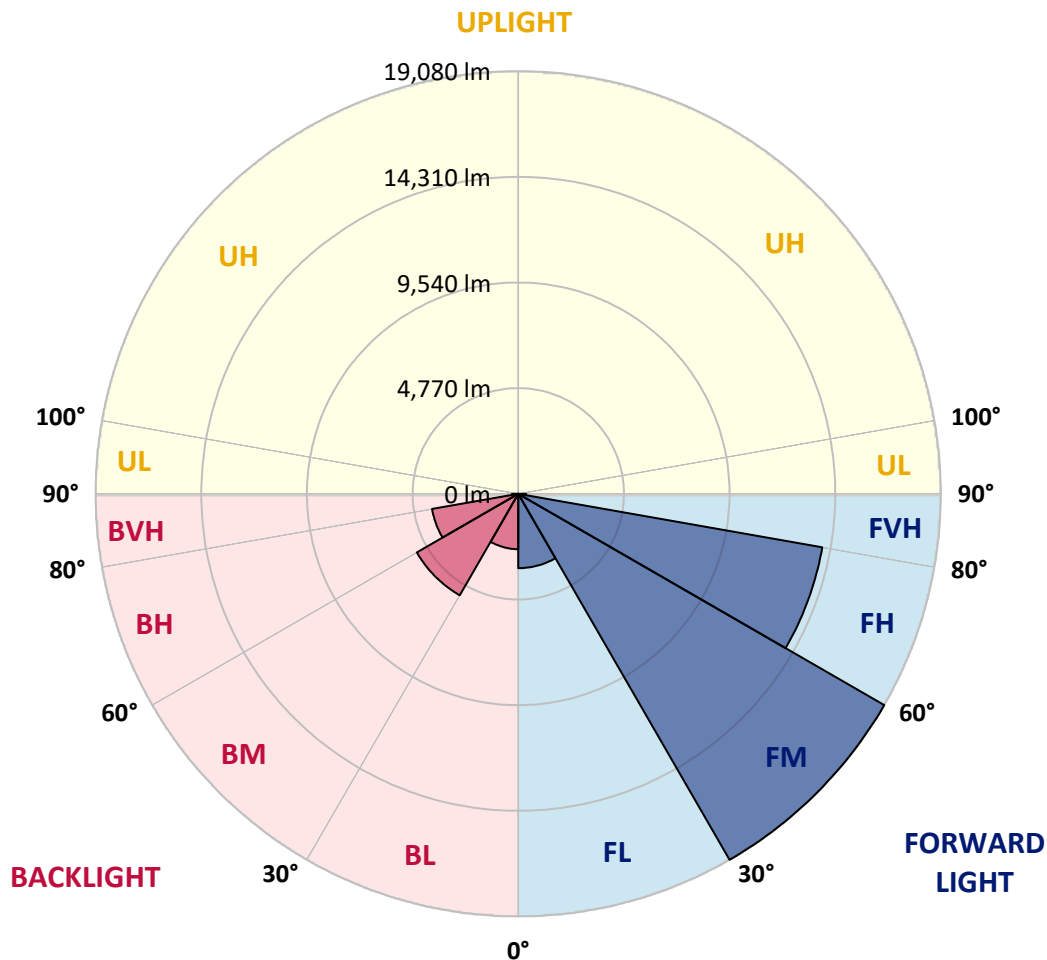
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3357.0	6.9			
FM (30°-60°)	19080.3	39.1			
FH (60°-80°)	13937.8	28.6			G5
FVH (80°-90°)	356.9	0.7			G3/500
BL (0°-30°)	2500.2	5.1	B4/5000		
BM (30°-60°)	5287.5	10.8	B4/8500		
BH (60°-80°)	3949.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	280.7	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7147.4	7147.4	7147.4	7147.4	7147.4	7147.4	7147.4	7147.4	7147.4	7147.4
2.5°	7318.1	7359.5	7346.5	7333.6	7333.6	7315.5	7312.9	7287.0	7266.4	7232.7
5°	7411.2	7455.2	7450.0	7460.4	7494.0	7501.8	7509.5	7494.0	7452.6	7411.2
7.5°	7328.4	7377.6	7393.1	7455.2	7558.7	7651.8	7721.6	7750.1	7711.3	7651.8
10°	7049.1	7103.4	7157.7	7305.2	7488.8	7708.7	7894.9	8006.2	7998.4	7941.5
12.5°	6482.5	6539.5	6655.9	6943.0	7279.3	7667.3	8013.9	8246.8	8326.9	8285.6
15°	6029.9	6079.0	6167.0	6461.9	6899.0	7488.8	8057.9	8510.6	8715.0	8691.7
17.5°	6016.9	6037.6	6091.9	6231.6	6567.9	7209.4	8011.4	8769.3	9159.9	9157.3
20°	6244.6	6252.3	6283.4	6311.8	6503.2	6997.3	7892.4	8984.0	9659.2	9659.2
22.5°	6560.2	6555.0	6586.0	6560.2	6653.3	6979.2	7817.3	9172.8	10215.3	10256.7
25°	7033.5	7007.7	6999.9	6940.4	6958.5	7147.4	7900.1	9387.5	10875.0	10960.3
27.5°	7664.7	7623.3	7594.9	7457.8	7411.2	7494.0	8153.6	9646.2	11609.6	11757.1
30°	8487.3	8412.3	8370.9	8132.9	7964.8	7977.7	8536.5	9990.3	12377.9	12615.9
32.5°	9610.0	9493.6	9382.4	8991.8	8683.9	8583.0	9030.6	10466.2	13210.8	13591.1
35°	10867.2	10774.1	10655.1	10052.3	9579.0	9346.1	9698.0	11131.0	14186.1	14788.8
37.5°	12077.8	11997.6	12054.5	11242.3	10631.8	10292.9	10572.3	12023.5	15388.9	16278.8
40°	13329.8	13267.8	13275.5	12499.5	11788.1	11407.8	11632.9	13143.6	16767.7	18050.8
42.5°	14690.5	14643.9	14488.7	13800.6	13001.3	12646.9	12853.9	14437.0	18247.4	20068.5
45°	16214.1	16185.7	16040.8	15251.8	14336.1	13937.7	14217.1	15864.9	19734.8	21967.2
47.5°	17530.8	17554.1	17536.0	16871.2	15921.8	15337.2	15670.9	17354.9	21118.7	23752.1
50°	18164.6	18286.2	18464.7	18257.7	17667.9	17073.0	17137.6	18793.2	22438.0	25425.8
52.5°	17833.5	18063.7	18550.0	18881.1	19108.8	18984.6	18811.3	20221.1	23679.7	26936.5
55°	16599.6	16922.9	17730.0	18529.3	19690.8	20593.6	20821.2	21804.2	24890.3	28266.1
57.5°	14351.6	14876.8	15601.1	17217.8	19173.4	21372.2	23164.9	24000.4	26173.4	29686.2
60°	10497.3	11200.9	12101.1	14506.8	17362.7	20955.8	25159.3	27373.6	27997.1	31525.5
62.5°	6717.9	7152.5	7980.3	10246.4	13529.0	18821.6	25769.8	31590.1	31088.3	34541.7
65°	4599.4	4878.7	5636.7	6909.4	8746.0	14010.2	24134.9	34751.2	35998.1	39322.1
67.5°	3342.2	3554.3	4201.0	5315.9	5698.7	8290.7	18728.5	34606.4	40770.7	44247.4
70°	2436.8	2586.8	3130.0	4201.0	4384.6	4612.3	11345.8	29417.2	40667.3	45556.3
72.5°	1805.6	1909.1	2273.8	3259.4	3549.1	3114.5	5616.0	21380.0	34945.2	41205.3
75°	1306.3	1383.9	1653.0	2493.7	2840.3	2372.1	2801.5	12494.3	24375.5	28985.2
77.5°	998.5	1058.0	1233.9	1826.3	2273.8	1779.7	1738.3	5747.9	11557.9	11614.8
80°	801.9	840.7	936.4	1285.6	1743.5	1332.2	1133.0	2320.4	3652.6	3091.2
82.5°	589.8	654.5	791.6	902.8	1246.8	918.3	690.7	1171.8	1389.1	1195.1
85°	336.3	380.3	478.6	646.7	796.7	561.3	395.8	519.9	646.7	530.3
87.5°	119.0	155.2	168.1	253.5	346.6	232.8	152.6	150.0	212.1	157.8
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°
7147.4	0°	7147.4	7147.4	7147.4	7147.4	7147.4	7147.4	7147.4	7147.4	7147.4	7147.4
7225.0	2.5°	7199.1	7186.2	7134.4	7064.6	6992.2	6922.3	6899.0	6849.9	6816.2	6798.1
7393.1	5°	7344.0	7302.6	7181.0	7025.8	6862.8	6686.9	6562.7	6448.9	6366.1	6288.5
7623.3	7.5°	7550.9	7478.5	7268.9	6997.3	6707.6	6415.3	6198.0	6032.4	5921.2	5848.8
7892.4	10°	7791.5	7680.2	7359.5	6953.3	6505.8	6086.8	5830.7	5688.4	5618.6	5579.8
8200.2	12.5°	8068.3	7910.5	7452.6	6852.5	6198.0	5719.4	5543.5	5502.1	5504.7	5507.3
8588.2	15°	8409.7	8189.8	7527.6	6632.6	5797.0	5437.5	5406.4	5473.7	5543.5	5577.2
9028.0	17.5°	8795.2	8484.7	7540.6	6270.4	5403.8	5256.4	5354.7	5499.6	5605.6	5652.2
9519.5	20°	9209.0	8784.8	7447.4	5758.2	5080.5	5109.0	5284.9	5471.1	5587.5	5647.0
10080.8	22.5°	9682.4	9105.6	7225.0	5220.2	4816.6	4948.6	5155.5	5336.6	5458.2	5517.7
10740.4	25°	10223.1	9465.1	6875.7	4767.5	4589.0	4767.5	4974.4	5124.5	5222.8	5277.1
11477.7	27.5°	10823.2	9840.2	6410.1	4407.9	4389.8	4581.2	4752.0	4868.4	4920.1	4961.5
12261.5	30°	11425.9	10181.7	5846.2	4136.3	4216.5	4397.6	4519.2	4570.9	4586.4	4594.2
13135.8	32.5°	12077.8	10476.6	5253.8	3911.3	4050.9	4219.1	4291.5	4314.8	4242.4	4193.2
14196.4	35°	12866.8	10792.2	4674.4	3732.8	3888.0	4032.8	4056.1	4035.4	3950.1	3849.2
15526.0	37.5°	13842.0	11185.4	4211.3	3606.0	3735.4	3831.1	3802.6	3797.4	3805.2	3686.2
17124.7	40°	15037.1	11697.6	3872.5	3507.7	3611.2	3631.9	3551.7	3595.7	3634.5	3453.4
18878.5	42.5°	16364.2	12315.8	3657.8	3440.5	3507.7	3458.6	3334.4	3383.5	3378.4	3140.4
20640.2	45°	17717.1	12988.4	3582.7	3391.3	3412.0	3313.7	3176.6	3189.5	3080.9	2866.2
22329.4	47.5°	19062.2	13710.1	3629.3	3349.9	3293.0	3181.8	3075.7	3018.8	2858.4	2698.0
23948.7	50°	20381.5	14468.0	3800.0	3267.1	3130.0	3065.4	2987.8	2886.9	2716.2	2579.1
25480.1	52.5°	21605.0	15231.1	3991.4	3130.0	2925.7	2964.5	2915.3	2798.9	2630.8	2491.1
26928.7	55°	22763.9	15994.3	4066.5	2941.2	2734.3	2876.5	2848.1	2633.4	2431.6	2317.8
28444.6	57.5°	24026.3	16912.6	3983.7	2700.6	2579.1	2775.6	2667.0	2429.0	2312.6	2227.2
30418.3	60°	25775.0	18353.4	3805.2	2403.1	2431.6	2625.6	2439.4	2341.1	2214.3	2118.6
33377.6	62.5°	28680.0	21041.1	3518.1	2108.3	2258.3	2403.1	2330.7	2232.4	2103.1	2010.0
38437.4	65°	32974.1	24776.5	2977.4	1878.0	2064.3	2185.9	2214.3	2116.0	1981.5	1883.2
42871.2	67.5°	36595.6	27120.1	2253.1	1686.6	1865.1	2010.0	2090.1	1994.4	1852.2	1756.4
43908.5	70°	36396.4	25418.0	1720.2	1497.8	1689.2	1836.6	1940.1	1865.1	1712.5	1621.9
39883.5	72.5°	32327.4	21263.6	1391.7	1306.3	1510.7	1655.6	1779.7	1722.8	1567.6	1479.7
29218.0	75°	23749.5	15094.0	1112.3	1112.3	1288.2	1466.7	1603.8	1567.6	1425.3	1363.2
12266.7	77.5°	10011.0	6332.5	871.8	923.5	1070.9	1259.8	1430.5	1443.4	1319.3	1396.9
3243.9	80°	2661.8	1746.1	664.8	726.9	840.7	1039.9	1244.3	1239.1	1104.6	1032.1
1205.5	82.5°	1014.0	688.1	473.4	512.2	607.9	796.7	985.6	1016.6	882.1	763.1
473.4	85°	390.6	294.9	292.3	307.8	354.4	527.7	745.0	770.9	664.8	563.9
131.9	87.5°	100.9	88.0	108.6	103.5	163.0	282.0	426.8	442.3	406.1	235.4
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°
7147.4
6818.8
6319.6
5864.3
5590.1
5512.5
5574.6
5662.5
5662.5
5533.2
5292.6
4977.0
4612.3
4208.7
3854.3
3694.0
3458.6
3137.8
2873.9
2698.0
2568.7
2493.7
2307.4
2219.5
2113.4
2010.0
1888.4
1759.0
1629.7
1479.7
1345.1
1267.5
959.7
763.1
582.0
336.3
0.0

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