

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: P852845

Luminaire Tested: **GLAN-SB6D-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852845
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-SB6D-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48628 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

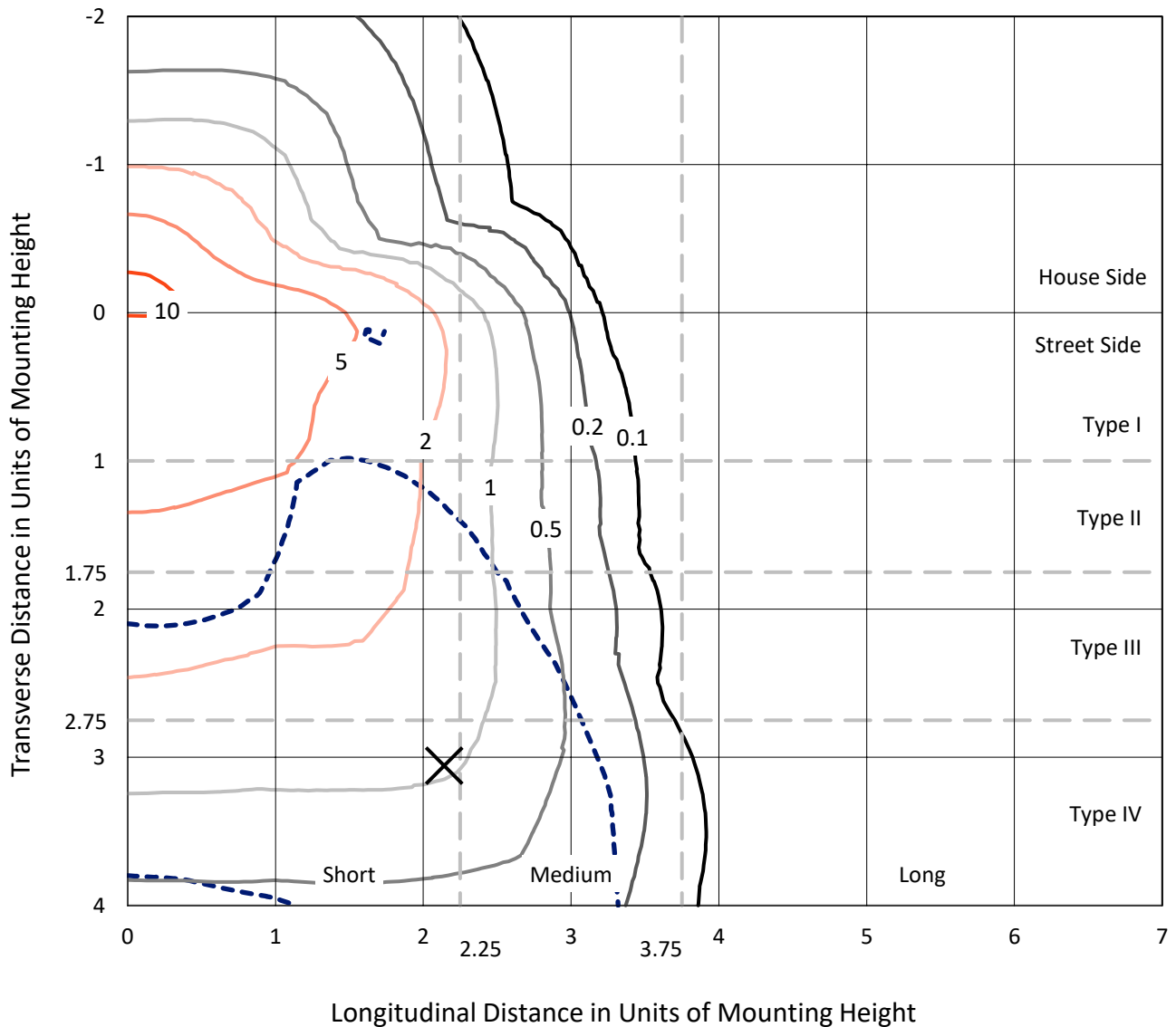
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

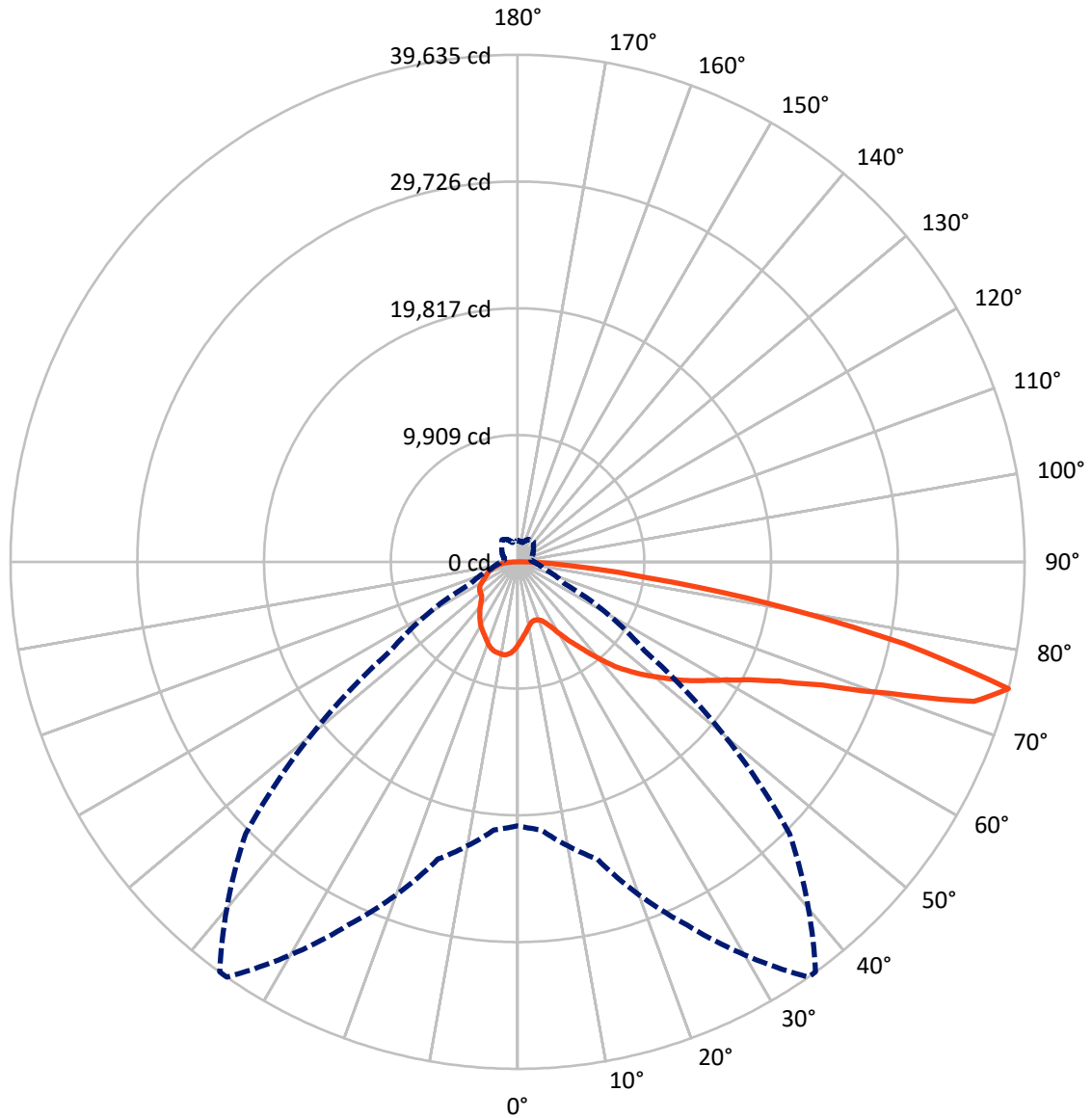
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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	11572.3	0.0	11572.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	37055.8	0.0	37055.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	48628.0	0.0	48628.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	613.5	1.3
10°-20°	1769.7	3.6
20°-30°	2971.8	6.1
30°-40°	4618.5	9.5
40°-50°	6855.1	14.1
50°-60°	9463.9	19.5
60°-70°	11481.9	23.6
70°-80°	9488.9	19.5
80°-90°	1364.8	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°	48628.0	100.0
0°-180°	48628.0	100.0

Coefficient of Utilization

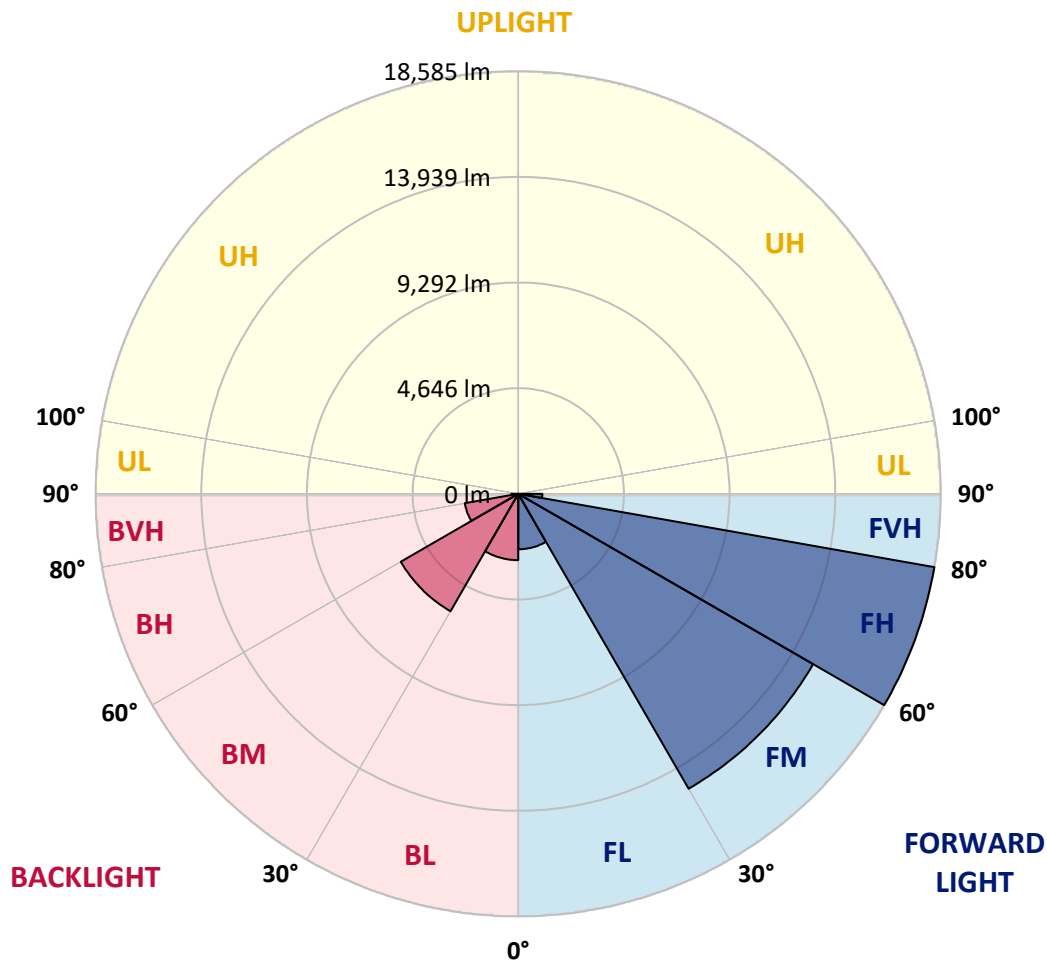


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2438.6	5.0			
FM (30°-60°)	14974.8	30.8			
FH (60°-80°)	18584.9	38.2			G5
FVH (80°-90°)	1057.5	2.2			G5
BL (0°-30°)	2916.4	6.0	B4/5000		
BM (30°-60°)	5962.7	12.3	B4/8500		
BH (60°-80°)	2385.8	4.9	B3/2500		G3/2500
BVH (80°-90°)	307.3	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°	6480.0	6480.0	6480.0	6480.0	6480.0	6480.0	6480.0	6480.0	6480.0	6480.0
2.5°	5975.3	6012.1	6027.9	6020.0	6059.4	6054.1	6109.3	6177.7	6272.3	6364.3
5°	5515.2	5554.7	5588.8	5620.4	5696.6	5720.3	5807.0	5938.5	6112.0	6288.1
7.5°	5086.7	5120.9	5173.5	5231.3	5360.1	5383.8	5528.4	5733.4	5975.3	6232.9
10°	4737.1	4771.3	4826.5	4892.2	5052.6	5081.5	5265.5	5538.9	5854.4	6180.3
12.5°	4587.3	4597.8	4629.3	4695.0	4834.4	4852.8	5055.2	5368.0	5736.1	6140.9
15°	4579.4	4600.4	4603.0	4637.2	4752.9	4760.8	4947.4	5257.6	5662.5	6133.0
17.5°	4658.2	4674.0	4650.4	4671.4	4768.7	4781.8	4929.0	5205.0	5638.8	6167.2
20°	4868.6	4881.7	4810.7	4781.8	4852.8	4863.3	5007.9	5239.2	5662.5	6238.2
22.5°	5315.4	5323.3	5149.8	5031.5	5036.8	5042.1	5168.2	5378.5	5754.5	6367.0
25°	6012.1	6006.8	5730.8	5502.1	5370.7	5341.7	5425.9	5604.6	5909.6	6537.8
27.5°	6827.0	6787.6	6511.6	6169.8	5883.3	5841.2	5822.8	5899.0	6130.4	6763.9
30°	7747.1	7710.3	7413.2	6966.3	6569.4	6501.0	6327.5	6288.1	6459.0	7071.5
32.5°	8756.6	8732.9	8378.0	7836.5	7305.5	7226.6	6934.8	6829.6	6963.7	7536.8
35°	9603.0	9582.0	9287.6	8730.3	8081.0	7983.7	7686.6	7568.3	7636.7	8133.5
37.5°	10368.0	10357.5	10105.1	9666.1	8995.8	8877.5	8543.6	8504.2	8491.0	8919.5
40°	11077.8	11051.5	10788.6	10557.3	10060.4	9952.7	9658.2	9624.1	9524.2	9886.9
42.5°	11863.8	11795.5	11414.3	11306.5	11172.4	11083.1	10906.9	10912.2	10691.4	10977.9
45°	12505.2	12465.8	12074.1	12011.0	12155.6	12118.8	12271.3	12310.7	11882.2	12121.4
47.5°	13194.0	13157.2	12826.0	12781.3	13173.0	13183.5	13722.4	13735.5	13044.1	13309.7
50°	14043.1	13990.5	13661.9	13717.1	14156.1	14195.6	15181.4	15092.0	14114.1	14516.3
52.5°	14603.0	14634.6	14563.6	14653.0	15252.3	15289.1	16616.7	16388.0	15173.5	15707.1
55°	15015.7	15078.8	15299.7	15504.7	16409.0	16445.8	17970.5	17620.9	16051.5	16811.2
57.5°	15546.8	15457.4	15870.1	16269.7	17507.9	17605.1	19287.6	18809.1	16829.6	17762.9
60°	16309.1	16246.0	16566.7	17158.2	18738.1	18893.2	20680.8	19879.0	17400.1	18517.3
62.5°	17854.9	17697.1	17747.1	18270.2	20289.1	20494.2	22252.9	20812.3	17684.0	18811.7
65°	20165.6	19894.8	19642.4	20005.2	22473.7	22676.1	24027.3	21545.7	17578.8	18241.3
67.5°	23075.7	22807.5	22497.3	22839.1	25691.3	25851.7	26217.1	21958.4	16750.8	16043.6
70°	25475.8	25375.9	25746.5	27153.0	30830.7	30835.9	29024.7	21616.7	14482.1	11374.8
72.5°	25157.7	25097.2	27050.4	31398.5	37308.0	37168.7	31682.4	19029.9	9755.5	5131.4
75°	20638.8	21030.5	24056.2	31322.2	39634.5	39616.1	30055.2	12097.8	4035.2	2126.7
77.5°	11067.3	11687.7	15617.7	23125.6	30941.1	31406.4	21130.4	4232.4	1732.4	1361.7
80°	3609.4	4150.9	6225.0	11774.4	20105.1	20018.4	9056.2	1661.4	1185.6	964.8
82.5°	1532.6	1595.7	2781.3	5559.9	10318.1	10157.7	2883.8	954.3	833.3	659.8
85°	599.4	670.3	1227.7	2571.0	4469.0	4371.7	1041.0	473.2	533.6	431.1
87.5°	197.2	239.2	439.0	880.7	1390.6	1340.7	255.0	163.0	231.3	197.2
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°
6480.0	0°	6480.0	6480.0	6480.0	6480.0	6480.0	6480.0	6480.0	6480.0	6480.0	6480.0
6498.4	2.5°	6535.2	6577.3	6627.2	6700.8	6763.9	6816.5	6871.7	6905.9	6919.0	6958.5
6508.9	5°	6582.5	6674.5	6798.1	6919.0	7037.3	7108.3	7171.4	7202.9	7231.8	7252.9
6537.8	7.5°	6661.4	6779.7	6974.2	7132.0	7231.8	7289.7	7331.7	7321.2	7331.7	7337.0
6569.4	10°	6729.7	6895.4	7126.7	7276.5	7352.8	7355.4	7344.9	7308.1	7289.7	7292.3
6616.7	12.5°	6811.2	6995.3	7245.0	7371.2	7392.2	7334.4	7289.7	7226.6	7202.9	7192.4
6687.7	15°	6921.6	7132.0	7373.8	7421.1	7368.5	7294.9	7218.7	7116.2	7063.6	7021.5
6808.6	17.5°	7055.7	7287.1	7473.7	7439.5	7326.5	7205.6	7082.0	6926.9	6819.1	6774.4
6974.2	20°	7242.4	7450.0	7549.9	7400.1	7229.2	7045.2	6834.9	6645.6	6545.7	6501.0
7184.5	22.5°	7468.4	7668.2	7623.5	7331.7	7089.9	6795.5	6532.6	6393.3	6343.3	6311.8
7455.3	25°	7739.2	7910.1	7676.1	7231.8	6861.2	6464.2	6261.8	6217.1	6193.5	6169.8
7786.5	27.5°	8091.5	8183.5	7715.5	7084.6	6503.7	6112.0	6038.4	6046.3	6038.4	5998.9
8246.6	30°	8556.8	8538.4	7752.4	6845.4	6093.6	5793.9	5799.1	5833.3	5838.6	5812.3
8888.0	32.5°	9169.3	8982.6	7770.8	6535.2	5701.9	5515.2	5520.5	5557.3	5583.6	5538.9
9726.6	35°	9910.6	9500.5	7741.8	6146.2	5399.6	5249.7	5210.3	5220.8	5228.7	5186.6
10743.9	37.5°	10775.5	10081.5	7613.0	5715.0	5149.8	4989.5	4905.4	4834.4	4792.3	4752.9
11895.4	40°	11724.5	10715.0	7376.4	5294.4	4871.2	4713.5	4587.3	4453.2	4311.2	4258.7
13115.1	42.5°	12718.2	11367.0	7089.9	4892.2	4550.5	4421.7	4287.6	4093.1	3880.1	3772.3
14382.2	45°	13748.7	12034.7	6808.6	4495.3	4221.9	4166.7	4011.6	3777.6	3546.3	3409.6
15651.9	47.5°	14758.1	12665.6	6395.9	4095.7	3914.3	3974.8	3853.8	3638.3	3380.6	3165.1
16911.1	50°	15722.9	13257.1	5720.3	3690.8	3664.6	3916.9	3801.3	3491.1	3196.6	2920.6
18146.7	52.5°	16679.8	13735.5	4855.4	3322.8	3530.5	3901.2	3732.9	3391.2	3031.0	2741.8
19308.6	55°	17492.1	13982.6	4022.1	3007.4	3336.0	3767.1	3651.4	3272.9	2797.1	2489.5
20105.1	57.5°	17954.8	13782.8	3328.1	2697.2	3067.8	3546.3	3512.1	3020.5	2518.4	2281.8
20260.2	60°	17755.0	12973.2	2760.2	2426.4	2812.8	3307.0	3270.2	2770.8	2305.5	2082.0
19429.5	62.5°	16653.5	11430.1	2310.7	2189.8	2581.5	3062.6	3028.4	2578.9	2142.5	1926.9
17223.9	65°	14434.8	9298.1	1961.1	1992.6	2347.5	2768.1	2818.1	2418.5	2013.7	1803.4
13325.4	67.5°	11009.4	6735.0	1687.7	1821.8	2118.8	2479.0	2623.5	2302.8	1905.9	1706.1
7710.3	70°	6275.0	3824.9	1456.4	1656.1	1916.4	2210.8	2473.7	2210.8	1790.2	1624.6
2889.1	72.5°	2379.1	1756.0	1259.2	1490.5	1721.9	1984.7	2308.1	2066.2	1656.1	1532.6
1493.2	75°	1269.7	1069.9	1059.4	1296.0	1498.4	1763.9	2100.4	1924.3	1556.3	1619.3
1033.1	77.5°	864.9	757.1	885.9	1109.4	1253.9	1519.5	1879.6	1708.7	1348.6	1343.3
715.0	80°	599.4	536.3	720.3	893.8	970.0	1277.6	1640.4	1466.9	1098.8	1025.2
441.6	82.5°	360.1	349.6	538.9	667.7	686.1	985.8	1359.1	1230.3	899.1	783.4
262.9	85°	197.2	207.7	344.4	391.7	399.6	688.7	1064.7	951.6	691.4	581.0
94.6	87.5°	55.2	71.0	126.2	155.1	191.9	357.5	633.5	565.2	347.0	241.9
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°
6480.0
6955.8
7258.1
7344.9
7297.6
7187.2
7034.7
6777.1
6495.8
6317.0
6169.8
6006.8
5825.4
5559.9
5215.6
4779.2
4282.3
3785.5
3399.0
3141.4
2896.9
2710.3
2463.2
2250.3
2050.5
1892.7
1769.2
1674.6
1603.6
1511.6
1671.9
1238.2
980.5
788.6
586.2
241.9
0.0

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