

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: P852819

Luminaire Tested: **GLAN-SB6C-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852819
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-SB6C-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38541 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

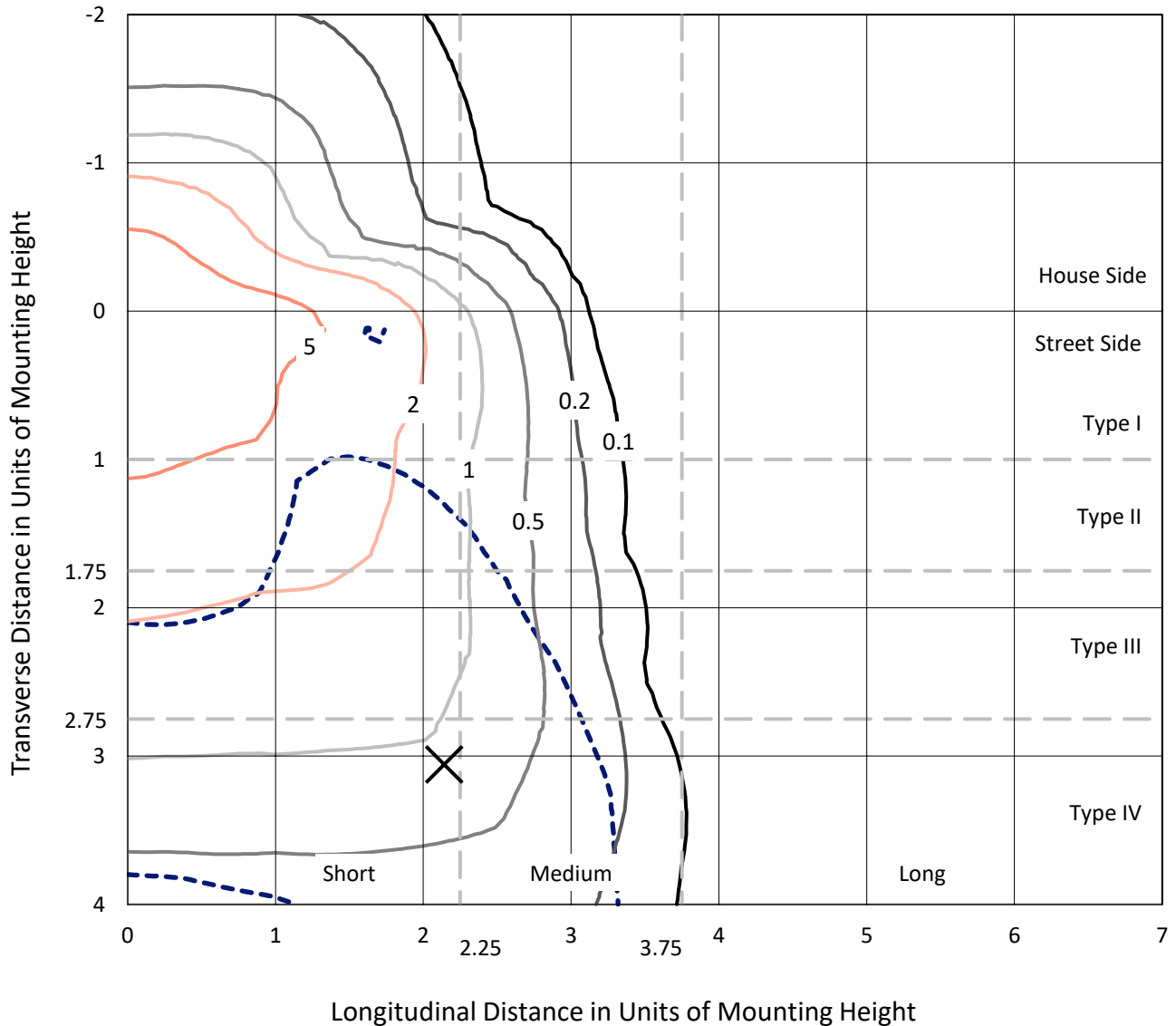
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

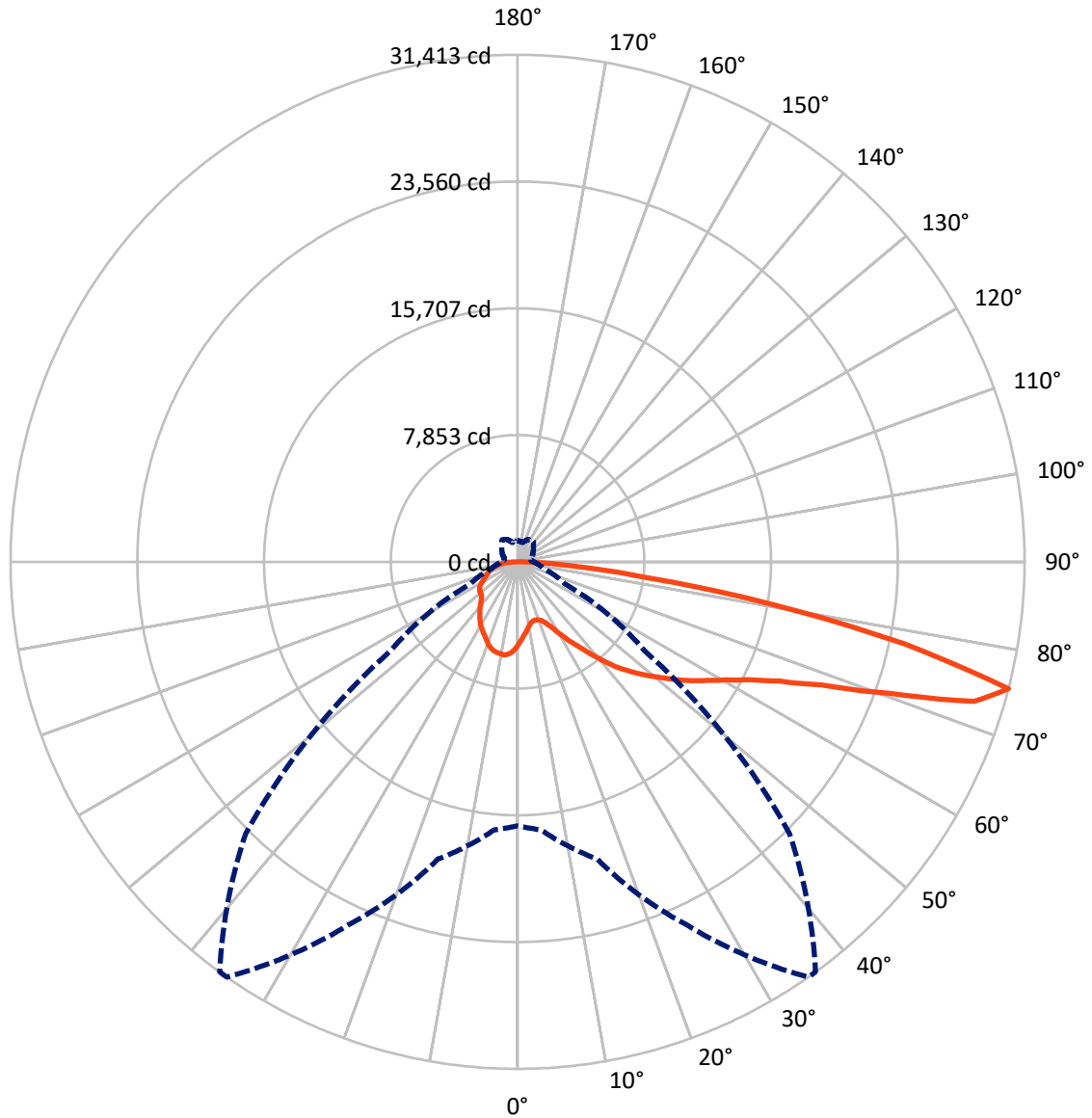
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	9171.8	0.0	9171.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	29369.2	0.0	29369.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	38541.0	0.0	38541.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.3	1.3
10°-20°	1402.6	3.6
20°-30°	2355.3	6.1
30°-40°	3660.5	9.5
40°-50°	5433.1	14.1
50°-60°	7500.8	19.5
60°-70°	9100.1	23.6
70°-80°	7520.6	19.5
80°-90°	1081.7	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°	38541.0	100.0
0°-180°	38541.0	100.0

Coefficient of Utilization



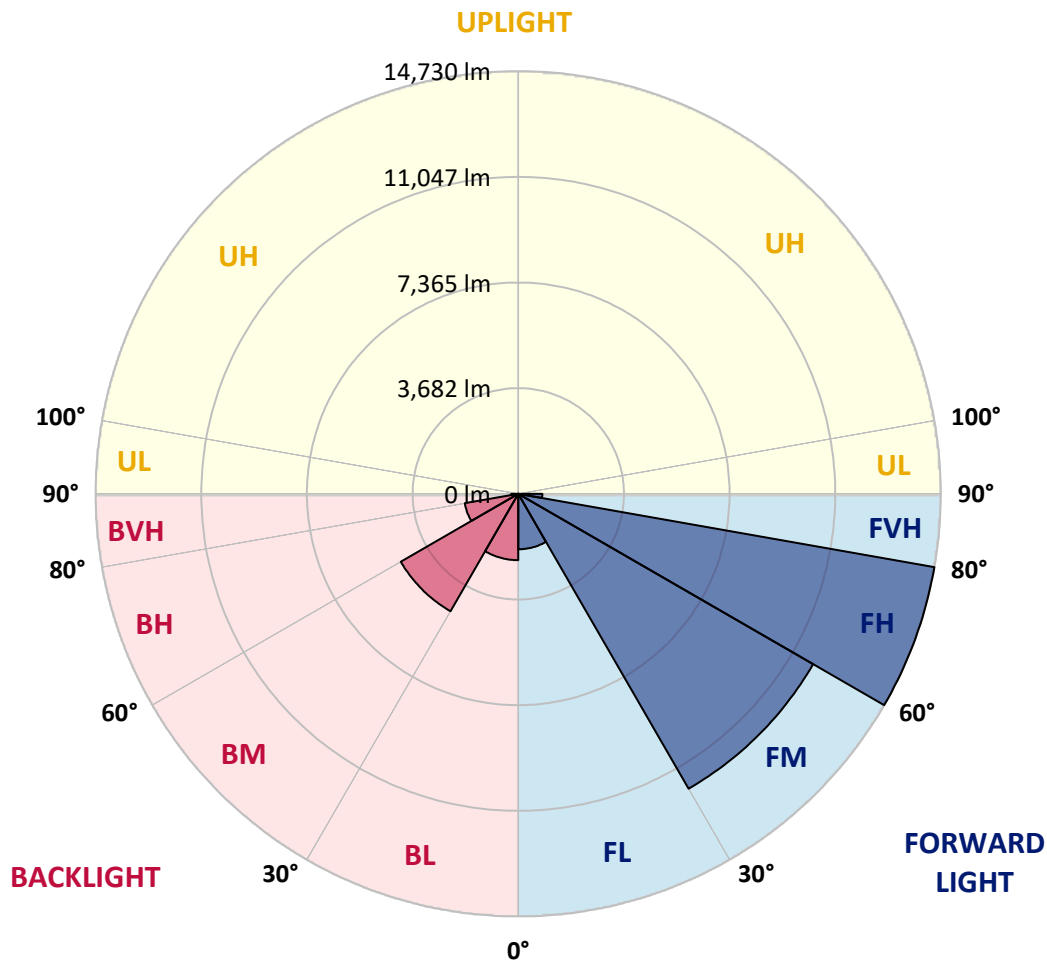
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1932.8	5.0			
FM (30°-60°)	11868.5	30.8			
FH (60°-80°)	14729.8	38.2			G5
FVH (80°-90°)	838.1	2.2			G5
BL (0°-30°)	2311.4	6.0	B3/2500		
BM (30°-60°)	4725.9	12.3	B3/5000		
BH (60°-80°)	1890.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	243.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5135.8	5135.8	5135.8	5135.8	5135.8	5135.8	5135.8	5135.8	5135.8	5135.8
2.5°	4735.8	4765.0	4777.5	4771.2	4802.5	4798.3	4842.1	4896.2	4971.3	5044.2
5°	4371.2	4402.5	4429.5	4454.5	4515.0	4533.7	4602.5	4706.6	4844.2	4983.8
7.5°	4031.6	4058.7	4100.3	4146.2	4248.3	4267.0	4381.6	4544.1	4735.8	4940.0
10°	3754.5	3781.6	3825.3	3877.4	4004.5	4027.4	4173.3	4390.0	4640.0	4898.3
12.5°	3635.7	3644.1	3669.1	3721.1	3831.6	3846.2	4006.6	4254.5	4546.2	4867.1
15°	3629.5	3646.1	3648.2	3675.3	3767.0	3773.2	3921.2	4167.0	4487.9	4860.8
17.5°	3692.0	3704.5	3685.7	3702.4	3779.5	3789.9	3906.6	4125.3	4469.1	4887.9
20°	3858.7	3869.1	3812.8	3789.9	3846.2	3854.5	3969.1	4152.4	4487.9	4944.2
22.5°	4212.9	4219.1	4081.6	3987.8	3992.0	3996.2	4096.2	4262.9	4560.8	5046.3
25°	4765.0	4760.8	4542.0	4360.8	4256.6	4233.7	4300.4	4442.0	4683.7	5181.7
27.5°	5410.9	5379.6	5160.9	4890.0	4662.9	4629.6	4615.0	4675.4	4858.7	5360.9
30°	6140.1	6110.9	5875.5	5521.3	5206.7	5152.5	5015.0	4983.8	5119.2	5604.6
32.5°	6940.2	6921.4	6640.1	6210.9	5790.1	5727.6	5496.3	5413.0	5519.2	5973.4
35°	7611.1	7594.4	7361.0	6919.3	6404.7	6327.6	6092.2	5998.4	6052.6	6446.4
37.5°	8217.4	8209.0	8009.0	7661.1	7129.8	7036.0	6771.4	6740.2	6729.7	7069.3
40°	8779.9	8759.1	8550.7	8367.4	7973.6	7888.2	7654.8	7627.7	7548.6	7836.1
42.5°	9402.9	9348.7	9046.6	8961.2	8854.9	8784.1	8644.5	8648.6	8473.6	8700.7
45°	9911.3	9880.0	9569.6	9519.6	9634.1	9605.0	9725.8	9757.1	9417.5	9607.1
47.5°	10457.1	10428.0	10165.4	10130.0	10440.5	10448.8	10875.9	10886.3	10338.4	10548.8
50°	11130.1	11088.4	10828.0	10871.7	11219.7	11250.9	12032.3	11961.4	11186.4	11505.1
52.5°	11573.9	11598.9	11542.6	11613.5	12088.5	12117.7	13169.9	12988.6	12026.0	12449.0
55°	11901.0	11951.0	12126.0	12288.5	13005.3	13034.4	14242.9	13965.8	12721.9	13324.0
57.5°	12321.9	12251.0	12578.1	12894.8	13876.2	13953.3	15286.7	14907.5	13338.6	14078.3
60°	12926.1	12876.1	13130.3	13599.1	14851.3	14974.2	16391.0	15755.5	13790.7	14676.2
62.5°	14151.2	14026.2	14065.8	14480.4	16080.5	16243.0	17636.9	16495.1	14015.8	14909.6
65°	15982.6	15768.0	15568.0	15855.5	17811.9	17972.3	19043.3	17076.4	13932.4	14457.5
67.5°	18289.0	18076.5	17830.7	18101.5	20362.1	20489.2	20778.8	17403.5	13276.1	12715.7
70°	20191.3	20112.1	20405.9	21520.6	24435.4	24439.6	23004.0	17132.7	11478.0	9015.3
72.5°	19939.2	19891.3	21439.3	24885.4	29569.2	29458.7	25110.4	15082.5	7731.9	4067.0
75°	16357.6	16668.1	19066.2	24825.0	31413.1	31398.5	23820.8	9588.3	3198.2	1685.6
77.5°	8771.6	9263.3	12378.1	18328.6	24522.9	24891.7	16747.2	3354.4	1373.0	1079.3
80°	2860.7	3289.9	4933.7	9332.0	15934.7	15865.9	7177.7	1316.8	939.7	764.6
82.5°	1214.7	1264.7	2204.4	4406.6	8177.8	8050.7	2285.6	756.3	660.5	523.0
85°	475.0	531.3	973.0	2037.7	3542.0	3464.9	825.1	375.0	423.0	341.7
87.5°	156.3	189.6	347.9	698.0	1102.2	1062.6	202.1	129.2	183.3	156.3
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°
5135.8	0°	5135.8	5135.8	5135.8	5135.8	5135.8	5135.8	5135.8	5135.8	5135.8	5135.8
5150.4	2.5°	5179.6	5212.9	5252.5	5310.9	5360.9	5402.5	5446.3	5473.4	5483.8	5515.0
5158.8	5°	5217.1	5290.0	5388.0	5483.8	5577.6	5633.8	5683.8	5708.8	5731.7	5748.4
5181.7	7.5°	5279.6	5373.4	5527.5	5652.6	5731.7	5777.6	5810.9	5802.6	5810.9	5815.1
5206.7	10°	5333.8	5465.0	5648.4	5767.2	5827.6	5829.7	5821.3	5792.2	5777.6	5779.7
5244.2	12.5°	5398.4	5544.2	5742.2	5842.2	5858.8	5813.0	5777.6	5727.6	5708.8	5700.5
5300.4	15°	5485.9	5652.6	5844.2	5881.7	5840.1	5781.7	5721.3	5640.1	5598.4	5565.1
5396.3	17.5°	5592.1	5775.5	5923.4	5896.3	5806.7	5710.9	5613.0	5490.0	5404.6	5369.2
5527.5	20°	5740.1	5904.7	5983.8	5865.1	5729.6	5583.8	5417.1	5267.1	5187.9	5152.5
5694.2	22.5°	5919.2	6077.6	6042.2	5810.9	5619.2	5385.9	5177.5	5067.1	5027.5	5002.5
5908.8	25°	6133.8	6269.3	6083.8	5731.7	5438.0	5123.3	4962.9	4927.5	4908.7	4890.0
6171.4	27.5°	6413.0	6486.0	6115.1	5615.1	5154.6	4844.2	4785.8	4792.1	4785.8	4754.6
6536.0	30°	6781.8	6767.2	6144.3	5425.5	4829.6	4592.1	4596.2	4623.3	4627.5	4606.6
7044.3	32.5°	7267.3	7119.3	6158.9	5179.6	4519.1	4371.2	4375.4	4404.5	4425.4	4390.0
7709.0	35°	7854.8	7529.8	6135.9	4871.2	4279.5	4160.8	4129.5	4137.8	4144.1	4110.8
8515.3	37.5°	8540.3	7990.3	6033.8	4529.5	4081.6	3954.5	3887.8	3831.6	3798.2	3767.0
9427.9	40°	9292.4	8492.4	5846.3	4196.2	3860.7	3735.7	3635.7	3529.5	3417.0	3375.3
10394.6	42.5°	10080.0	9009.1	5619.2	3877.4	3606.6	3504.5	3398.2	3244.0	3075.3	2989.8
11398.9	45°	10896.8	9538.3	5396.3	3562.8	3346.1	3302.4	3179.4	2994.0	2810.7	2702.3
12405.2	47.5°	11696.8	10038.3	5069.2	3246.1	3102.3	3150.3	3054.4	2883.6	2679.4	2508.5
13403.2	50°	12461.5	10507.1	4533.7	2925.2	2904.4	3104.4	3012.8	2766.9	2533.5	2314.8
14382.5	52.5°	13219.9	10886.3	3848.2	2633.6	2798.2	3091.9	2958.6	2687.7	2402.3	2173.1
15303.4	55°	13863.7	11082.2	3187.8	2383.5	2644.0	2985.7	2894.0	2594.0	2216.9	1973.1
15934.7	57.5°	14230.4	10923.8	2637.7	2137.7	2431.5	2810.7	2783.6	2394.0	1996.0	1808.5
16057.6	60°	14072.0	10282.1	2187.7	1923.1	2229.4	2621.1	2591.9	2196.0	1827.2	1650.1
15399.2	62.5°	13199.0	9059.1	1831.4	1735.6	2046.0	2427.3	2400.2	2043.9	1698.1	1527.2
13651.1	65°	11440.5	7369.4	1554.3	1579.3	1860.6	2193.9	2233.5	1916.8	1596.0	1429.3
10561.3	67.5°	8725.7	5337.9	1337.6	1443.9	1679.3	1964.7	2079.3	1825.2	1510.5	1352.2
6110.9	70°	4973.3	3031.5	1154.3	1312.6	1518.9	1752.2	1960.6	1752.2	1418.9	1287.6
2289.8	72.5°	1885.6	1391.8	998.0	1181.3	1364.7	1573.0	1829.3	1637.6	1312.6	1214.7
1183.4	75°	1006.3	848.0	839.7	1027.2	1187.6	1398.0	1664.7	1525.1	1233.4	1283.4
818.8	77.5°	685.5	600.1	702.1	879.2	993.8	1204.3	1489.7	1354.3	1068.8	1064.7
566.7	80°	475.0	425.0	570.9	708.4	768.8	1012.6	1300.1	1162.6	870.9	812.6
350.0	82.5°	285.4	277.1	427.1	529.2	543.8	781.3	1077.2	975.1	712.6	620.9
208.4	85°	156.3	164.6	272.9	310.4	316.7	545.9	843.8	754.2	548.0	460.5
75.0	87.5°	43.8	56.3	100.0	122.9	152.1	283.4	502.1	448.0	275.0	191.7
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°
5135.8
5513.0
5752.6
5821.3
5783.8
5696.3
5575.5
5371.3
5148.4
5006.7
4890.0
4760.8
4617.1
4406.6
4133.7
3787.8
3394.0
3000.3
2694.0
2489.8
2296.0
2148.1
1952.2
1783.5
1625.1
1500.1
1402.2
1327.2
1270.9
1198.0
1325.1
981.3
777.1
625.1
464.6
191.7
0.0

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