

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: P852947

Luminaire Tested: **GLAN-SB7C-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852947
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-SB7C-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41971 lumens
Efficiency: N/A
Efficacy: 119.7 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

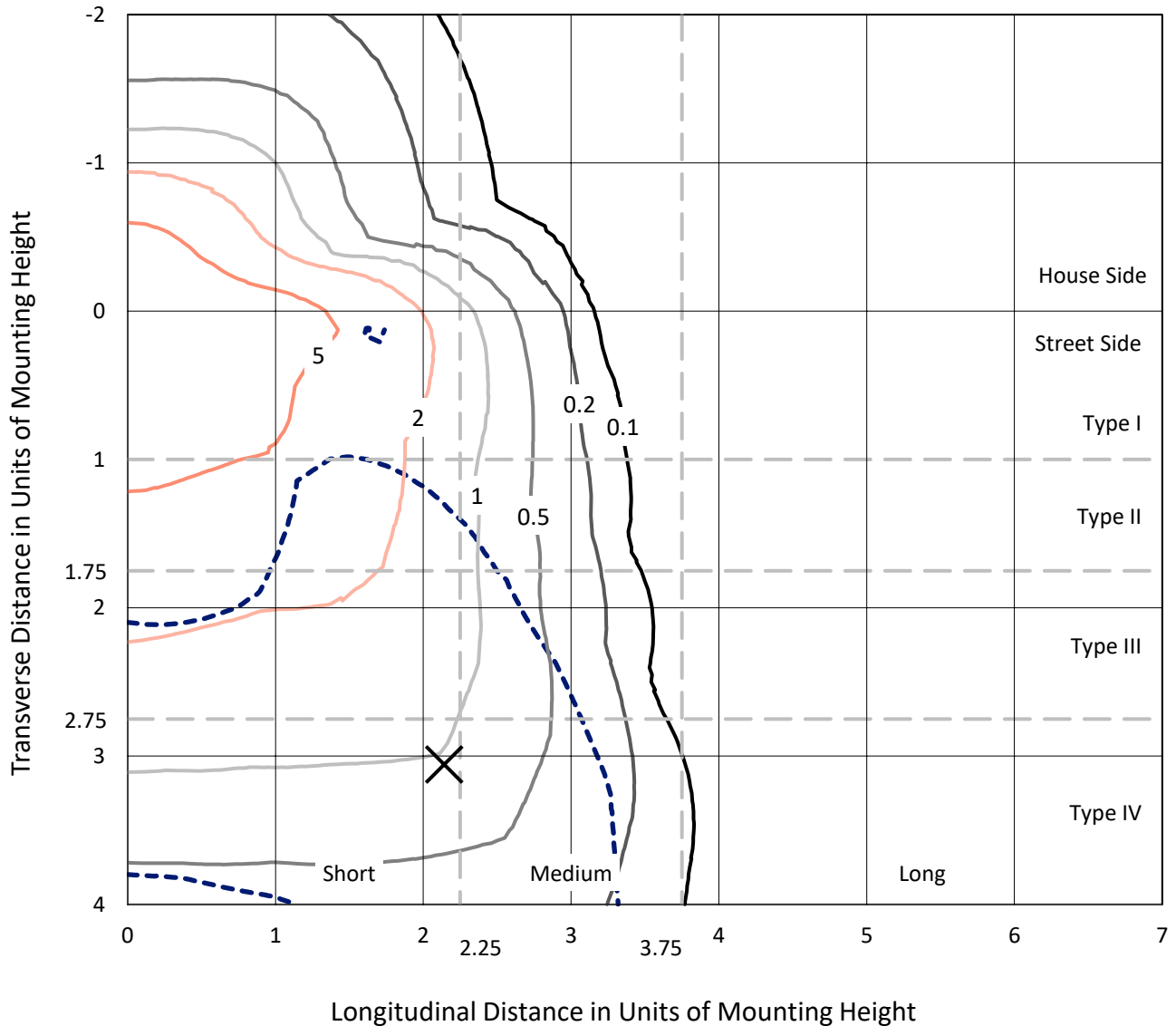
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

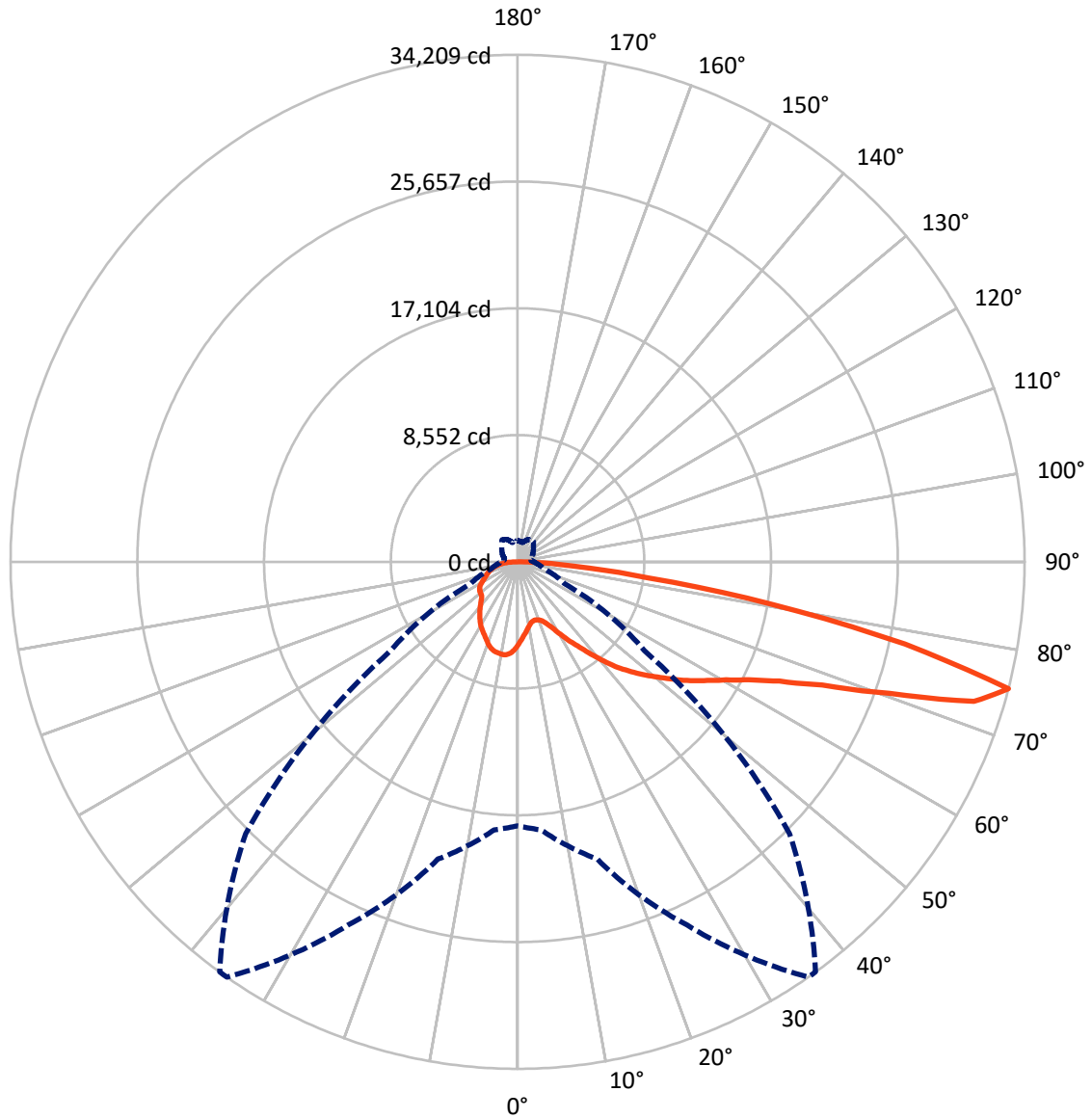
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	9988.0	0.0	9988.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	31983.0	0.0	31983.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	41971.0	0.0	41971.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.5	1.3
10°-20°	1527.4	3.6
20°-30°	2564.9	6.1
30°-40°	3986.3	9.5
40°-50°	5916.7	14.1
50°-60°	8168.3	19.5
60°-70°	9910.0	23.6
70°-80°	8189.9	19.5
80°-90°	1178.0	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°	41971.0	100.0
0°-180°	41971.0	100.0

Coefficient of Utilization

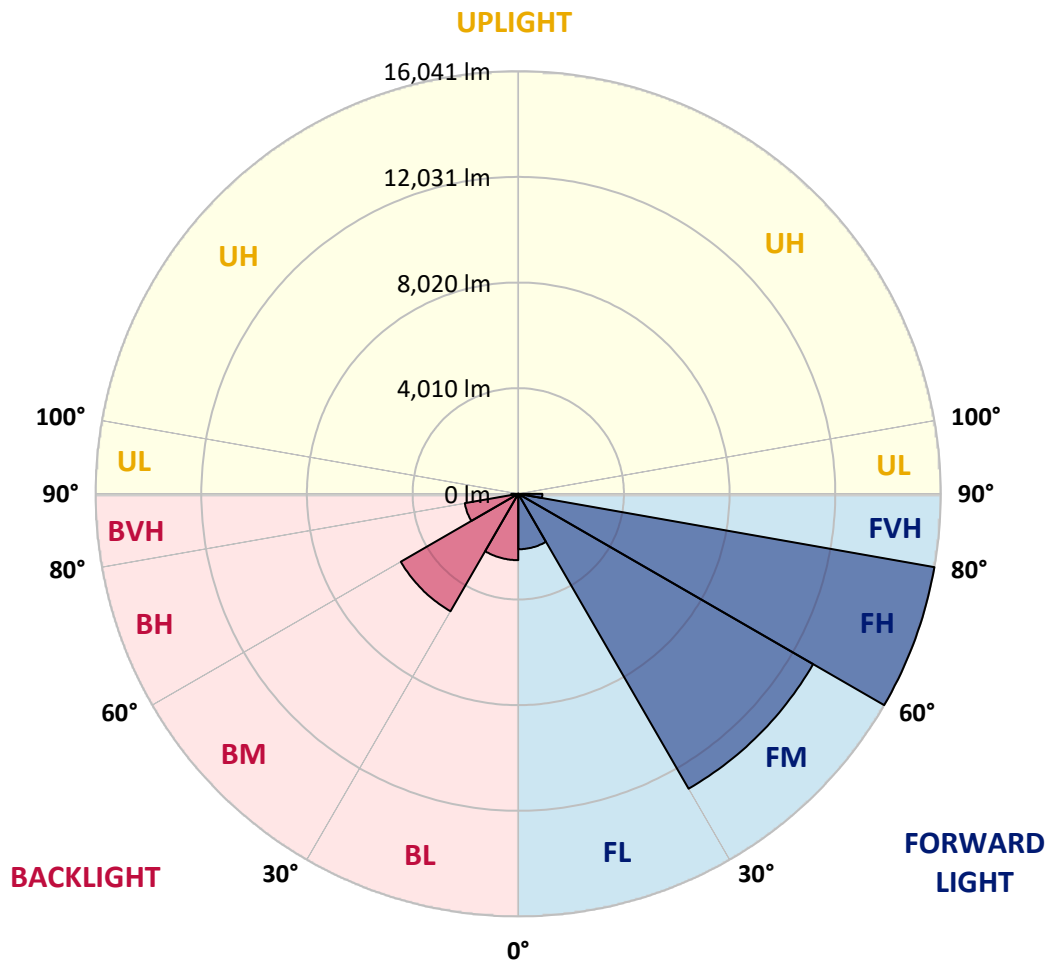


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2104.8	5.0			
FM (30°-60°)	12924.8	30.8			
FH (60°-80°)	16040.7	38.2			G5
FVH (80°-90°)	912.7	2.2			G5
BL (0°-30°)	2517.1	6.0	B4/5000		
BM (30°-60°)	5146.4	12.3	B4/8500		
BH (60°-80°)	2059.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	265.2	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°	5592.9	5592.9	5592.9	5592.9	5592.9	5592.9	5592.9	5592.9	5592.9	5592.9
2.5°	5157.3	5189.0	5202.7	5195.9	5229.9	5225.4	5273.0	5332.0	5413.7	5493.1
5°	4760.2	4794.3	4823.8	4851.0	4916.8	4937.2	5012.1	5125.5	5275.3	5427.3
7.5°	4390.4	4419.9	4465.3	4515.2	4626.4	4646.8	4771.6	4948.5	5157.3	5379.6
10°	4088.6	4118.1	4165.8	4222.5	4360.9	4385.8	4544.7	4780.6	5052.9	5334.3
12.5°	3959.3	3968.4	3995.6	4052.3	4172.6	4188.5	4363.2	4633.2	4950.8	5300.2
15°	3952.5	3970.6	3972.9	4002.4	4102.2	4109.0	4270.1	4537.9	4887.3	5293.4
17.5°	4020.5	4034.2	4013.7	4031.9	4115.8	4127.2	4254.2	4492.5	4866.9	5322.9
20°	4202.1	4213.4	4152.1	4127.2	4188.5	4197.5	4322.3	4522.0	4887.3	5384.2
22.5°	4587.8	4594.6	4444.8	4342.7	4347.3	4351.8	4460.7	4642.2	4966.7	5495.4
25°	5189.0	5184.5	4946.3	4748.9	4635.4	4610.5	4683.1	4837.4	5100.6	5642.8
27.5°	5892.4	5858.4	5620.1	5325.2	5077.9	5041.6	5025.7	5091.5	5291.2	5838.0
30°	6686.5	6654.8	6398.4	6012.7	5670.1	5611.1	5461.3	5427.3	5574.8	6103.4
32.5°	7557.8	7537.4	7231.1	6763.7	6305.4	6237.3	5985.4	5894.7	6010.4	6505.0
35°	8288.4	8270.3	8016.1	7535.1	6974.7	6890.7	6634.4	6532.3	6591.3	7020.1
37.5°	8948.7	8939.6	8721.8	8342.9	7764.3	7662.2	7374.0	7340.0	7328.7	7698.5
40°	9561.3	9538.6	9311.7	9112.0	8683.2	8590.2	8336.1	8306.6	8220.3	8533.5
42.5°	10239.7	10180.7	9851.7	9758.7	9643.0	9565.8	9413.8	9418.3	9227.8	9475.1
45°	10793.3	10759.3	10421.2	10366.8	10491.5	10459.8	10591.4	10625.4	10255.6	10462.0
47.5°	11387.8	11356.0	11070.1	11031.6	11369.6	11378.7	11843.8	11855.2	11258.4	11487.6
50°	12120.6	12075.3	11791.6	11839.3	12218.2	12252.2	13103.1	13025.9	12181.9	12529.0
52.5°	12603.9	12631.1	12569.9	12647.0	13164.3	13196.1	14341.9	14144.5	13096.3	13556.9
55°	12960.1	13014.6	13205.2	13382.2	14162.7	14194.4	15510.4	15208.7	13854.1	14509.8
57.5°	13418.5	13341.3	13697.5	14042.4	15111.1	15195.0	16647.2	16234.2	14525.7	15331.2
60°	14076.5	14022.0	14298.8	14809.3	16173.0	16306.8	17849.7	17157.7	15018.1	15982.4
62.5°	15410.6	15274.5	15317.6	15769.1	17511.6	17688.6	19206.5	17963.1	15263.1	16236.5
65°	17405.0	17171.3	16953.5	17266.6	19397.1	19571.8	20738.0	18596.2	15172.4	15744.1
67.5°	19916.7	19685.3	19417.5	19712.5	22174.3	22312.7	22628.1	18952.4	14457.6	13847.3
70°	21988.2	21902.0	22221.9	23435.8	26610.0	26614.6	25051.3	18657.4	12499.6	9817.7
72.5°	21713.7	21661.5	23347.3	27100.1	32200.7	32080.4	27345.2	16424.8	8420.0	4429.0
75°	17813.4	18151.5	20763.0	27034.3	34208.7	34192.8	25940.7	10441.6	3482.8	1835.6
77.5°	9552.2	10087.7	13479.7	19959.8	26705.3	27106.9	18237.7	3653.0	1495.2	1175.3
80°	3115.2	3582.6	5372.8	10162.6	17352.8	17277.9	7816.5	1434.0	1023.3	832.7
82.5°	1322.8	1377.2	2400.5	4798.8	8905.6	8767.2	2489.0	823.6	719.3	569.5
85°	517.3	578.6	1059.6	2219.0	3857.2	3773.2	898.5	408.4	460.6	372.1
87.5°	170.2	206.5	378.9	760.1	1200.3	1157.2	220.1	140.7	199.7	170.2
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°
5592.9	0°	5592.9	5592.9	5592.9	5592.9	5592.9	5592.9	5592.9	5592.9	5592.9	5592.9
5608.8	2.5°	5640.6	5676.9	5720.0	5783.5	5838.0	5883.3	5931.0	5960.5	5971.8	6005.9
5617.9	5°	5681.4	5760.8	5867.5	5971.8	6073.9	6135.2	6189.6	6216.9	6241.8	6260.0
5642.8	7.5°	5749.5	5851.6	6019.5	6155.6	6241.8	6291.8	6328.1	6319.0	6328.1	6332.6
5670.1	10°	5808.5	5951.4	6151.1	6280.4	6346.2	6348.5	6339.4	6307.6	6291.8	6294.0
5710.9	12.5°	5878.8	6037.6	6253.2	6362.1	6380.2	6330.3	6291.8	6237.3	6216.9	6207.8
5772.2	15°	5974.1	6155.6	6364.4	6405.2	6359.8	6296.3	6230.5	6142.0	6096.6	6060.3
5876.5	17.5°	6089.8	6289.5	6450.6	6421.1	6323.5	6219.1	6112.5	5978.6	5885.6	5847.0
6019.5	20°	6250.9	6430.2	6516.4	6387.0	6239.6	6080.7	5899.2	5735.9	5649.6	5611.1
6201.0	22.5°	6446.0	6618.5	6579.9	6328.1	6119.3	5865.2	5638.3	5518.0	5474.9	5447.7
6434.7	25°	6679.7	6827.2	6625.3	6241.8	5921.9	5579.3	5404.6	5366.0	5345.6	5325.2
6720.6	27.5°	6983.8	7063.2	6659.3	6114.8	5613.3	5275.3	5211.7	5218.5	5211.7	5177.7
7117.6	30°	7385.4	7369.5	6691.1	5908.3	5259.4	5000.7	5005.3	5034.8	5039.3	5016.6
7671.3	32.5°	7914.0	7752.9	6707.0	5640.6	4921.3	4760.2	4764.8	4796.5	4819.2	4780.6
8395.1	35°	8553.9	8199.9	6682.0	5304.8	4660.4	4531.1	4497.0	4506.1	4512.9	4476.6
9273.1	37.5°	9300.4	8701.4	6570.8	4932.7	4444.8	4306.4	4233.8	4172.6	4136.3	4102.2
10266.9	40°	10119.4	9248.2	6366.6	4569.6	4204.3	4068.2	3959.3	3843.6	3721.1	3675.7
11319.7	42.5°	10977.1	9810.9	6119.3	4222.5	3927.5	3816.3	3700.6	3532.7	3348.9	3255.9
12413.3	45°	11866.5	10387.2	5876.5	3879.9	3643.9	3596.3	3462.4	3260.5	3060.8	2942.8
13509.2	47.5°	12737.8	10931.7	5520.3	3535.0	3378.4	3430.6	3326.3	3140.2	2917.8	2731.8
14596.0	50°	13570.5	11442.2	4937.2	3185.6	3162.9	3380.7	3280.9	3013.1	2759.0	2520.8
15662.4	52.5°	14396.4	11855.2	4190.7	2867.9	3047.2	3367.1	3221.9	2926.9	2616.1	2366.5
16665.3	55°	15097.5	12068.5	3471.5	2595.7	2879.3	3251.4	3151.5	2824.8	2414.1	2148.7
17352.8	57.5°	15496.8	11896.0	2872.5	2327.9	2647.8	3060.8	3031.3	2607.0	2173.6	1969.4
17486.7	60°	15324.4	11197.2	2382.4	2094.2	2427.8	2854.3	2822.6	2391.5	1989.9	1797.0
16769.7	62.5°	14373.7	9865.3	1994.4	1890.0	2228.1	2643.3	2613.8	2225.8	1849.2	1663.1
14866.0	65°	12458.7	8025.2	1692.6	1719.9	2026.2	2389.2	2432.3	2087.4	1738.0	1556.5
11501.2	67.5°	9502.3	5813.0	1456.7	1572.4	1828.8	2139.6	2264.4	1987.6	1645.0	1472.5
6654.8	70°	5415.9	3301.3	1257.0	1429.4	1654.1	1908.2	2135.1	1908.2	1545.1	1402.2
2493.6	72.5°	2053.4	1515.6	1086.8	1286.5	1486.2	1713.0	1992.1	1783.4	1429.4	1322.8
1288.8	75°	1095.9	923.5	914.4	1118.6	1293.3	1522.5	1812.9	1660.9	1343.2	1397.7
891.7	77.5°	746.5	653.5	764.6	957.5	1082.3	1311.4	1622.3	1474.8	1164.0	1159.4
617.1	80°	517.3	462.9	621.7	771.4	837.2	1102.7	1415.8	1266.1	948.4	884.9
381.2	82.5°	310.8	301.8	465.1	576.3	592.2	850.8	1173.0	1061.9	776.0	676.1
226.9	85°	170.2	179.2	297.2	338.1	344.9	594.5	918.9	821.4	596.7	501.4
81.7	87.5°	47.6	61.3	108.9	133.9	165.6	308.6	546.8	487.8	299.5	208.7
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°
5592.9
6003.6
6264.5
6339.4
6298.6
6203.3
6071.7
5849.3
5606.5
5452.2
5325.2
5184.5
5028.0
4798.8
4501.6
4124.9
3696.1
3267.3
2933.7
2711.4
2500.4
2339.3
2126.0
1942.2
1769.8
1633.6
1527.0
1445.3
1384.0
1304.6
1443.0
1068.7
846.3
680.7
506.0
208.7
0.0

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