

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: P850718

Luminaire Tested: **GLAN-SB8B-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37726 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

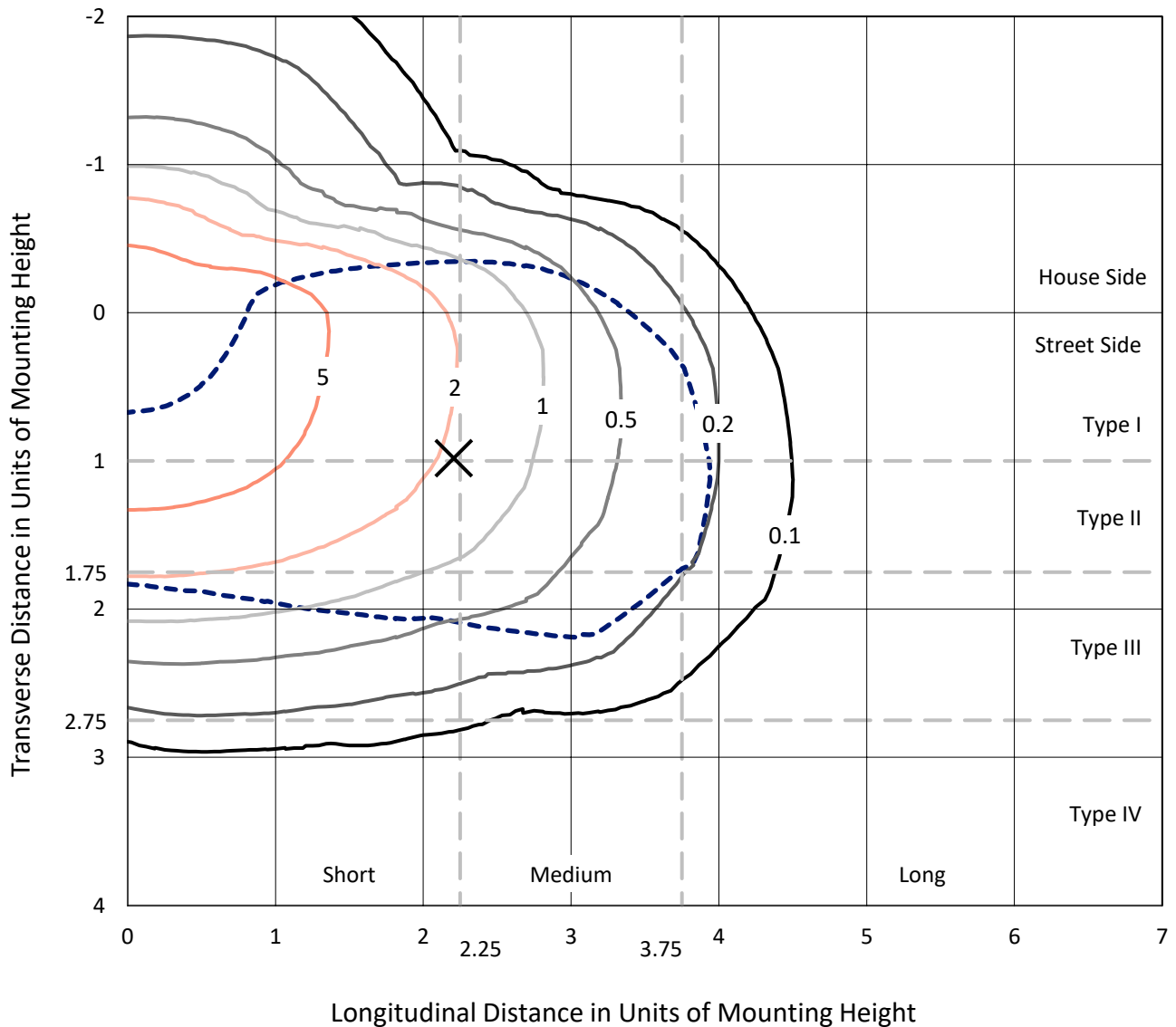
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

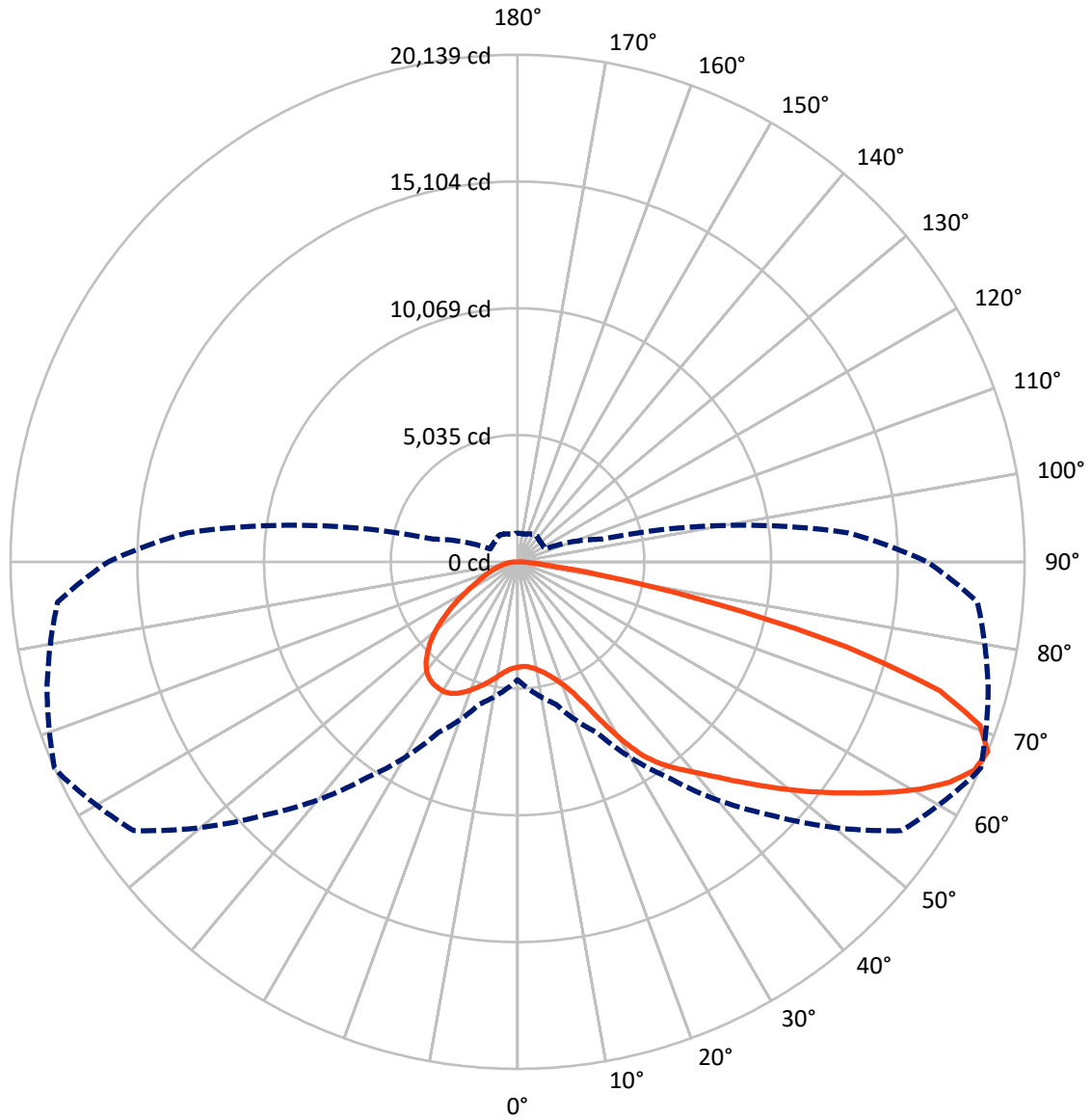
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9380.5	0.0	9380.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	28345.5	0.0	28345.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	37726.0	0.0	37726.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.9	1.1
10°-20°	1370.6	3.6
20°-30°	2641.8	7.0
30°-40°	4632.1	12.3
40°-50°	6886.4	18.3
50°-60°	8729.2	23.1
60°-70°	8541.3	22.6
70°-80°	4074.3	10.8
80°-90°	435.4	1.2
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°	37726.0	100.0
0°-180°	37726.0	100.0

Coefficient of Utilization



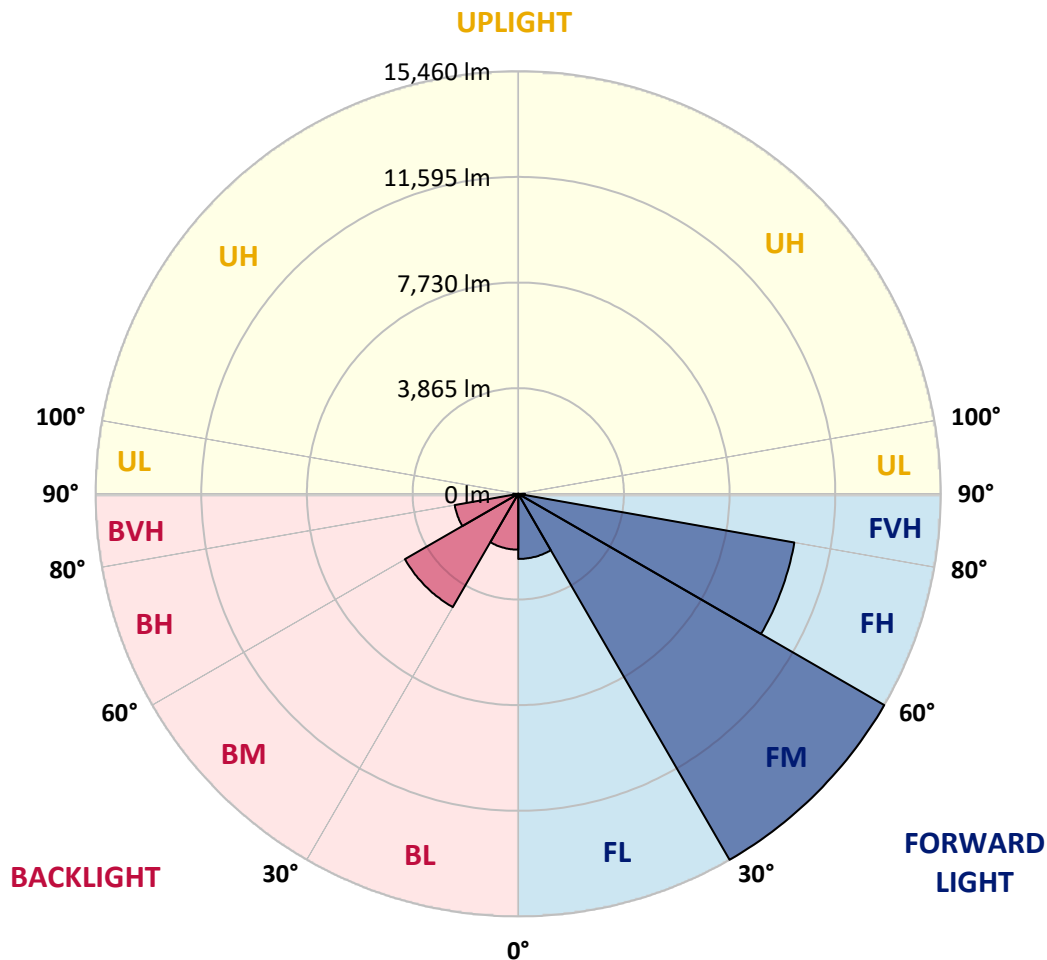
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2383.9	6.3			
FM (30°-60°)	15459.8	41.0			
FH (60°-80°)	10255.0	27.2			G4/12000
FVH (80°-90°)	246.9	0.7			G3/500
BL (0°-30°)	2043.4	5.4	B3/2500		
BM (30°-60°)	4787.9	12.7	B3/5000		
BH (60°-80°)	2360.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	188.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4184.3	4184.3	4184.3	4184.3	4184.3	4184.3	4184.3	4184.3	4184.3	4184.3
2.5°	4140.7	4164.5	4158.5	4148.6	4146.7	4150.6	4156.6	4162.5	4160.5	4170.4
5°	4128.8	4152.6	4150.6	4150.6	4158.5	4174.4	4184.3	4194.2	4184.3	4196.2
7.5°	4136.7	4154.6	4162.5	4170.4	4190.3	4220.0	4243.8	4265.6	4253.7	4267.6
10°	4237.8	4251.7	4259.6	4259.6	4273.5	4307.2	4331.0	4370.6	4360.7	4382.5
12.5°	4422.2	4436.0	4436.0	4428.1	4438.0	4459.8	4467.8	4511.4	4493.5	4529.2
15°	4648.1	4675.9	4654.1	4640.2	4644.2	4666.0	4664.0	4697.7	4679.8	4709.6
17.5°	4897.9	4933.6	4897.9	4895.9	4888.0	4911.8	4913.7	4943.5	4911.8	4933.6
20°	5193.2	5242.8	5213.0	5223.0	5205.1	5215.0	5224.9	5268.5	5219.0	5234.8
22.5°	5609.5	5668.9	5637.2	5674.9	5663.0	5655.1	5653.1	5730.4	5653.1	5659.0
25°	6216.0	6287.4	6231.9	6283.4	6283.4	6309.2	6338.9	6438.0	6309.2	6271.5
27.5°	7111.9	7183.3	7074.3	7106.0	7096.1	7159.5	7127.8	7373.6	7234.8	7173.4
30°	8190.2	8317.1	8110.9	8103.0	8093.1	8194.2	8239.8	8402.3	8261.6	8200.1
32.5°	9355.7	9488.5	9242.8	9171.4	9133.7	9195.2	9157.5	9288.3	9191.2	9096.1
35°	10588.6	10719.5	10485.6	10346.8	10196.2	10067.3	9932.5	9966.2	9875.1	9730.4
37.5°	11754.1	11994.0	11746.2	11597.5	11320.0	11068.3	10691.7	10535.1	10449.9	10317.1
40°	12941.4	13078.2	12889.9	12763.0	12461.8	12067.3	11464.7	11133.7	11018.8	10889.9
42.5°	13815.6	13946.4	13845.3	13758.1	13522.2	13064.3	12285.3	11871.1	11704.6	11559.9
45°	14509.3	14606.4	14543.0	14574.7	14473.6	14029.6	13135.7	12662.0	12489.5	12313.1
47.5°	14788.8	14891.9	14993.0	15181.3	15353.7	15026.7	14049.5	13518.2	13335.9	13155.5
50°	14757.1	14862.1	15155.5	15555.9	16091.1	15982.0	15012.8	14430.0	14261.5	14055.4
52.5°	14503.4	14622.3	14998.9	15664.9	16517.2	16697.6	15993.9	15371.5	15213.0	14967.2
55°	13837.4	13908.7	14473.6	15417.1	16618.3	17197.1	16955.3	16374.5	16215.9	15873.0
57.5°	12602.5	12705.6	13528.2	14749.2	16364.6	17536.1	17799.7	17429.0	17276.4	16782.8
60°	10991.0	11155.5	12097.0	13627.3	15718.4	17534.1	18566.8	18465.7	18338.8	17678.8
62.5°	9167.4	9357.7	10263.6	12041.5	14588.6	17036.6	19046.4	19333.9	19268.4	18505.3
65°	7040.6	7171.4	8073.3	9990.0	12830.4	15968.2	19101.9	19926.5	19938.4	19133.7
67.5°	4687.8	5064.4	5847.3	7496.5	10475.6	14221.9	18614.3	20023.6	20138.6	19349.7
70°	2287.4	2782.9	3550.0	4872.1	7496.5	11544.0	17339.8	19226.8	19482.5	18719.4
72.5°	949.4	1110.0	1528.2	2404.3	4303.2	7789.8	14778.9	17066.3	17540.0	16586.6
75°	640.2	693.8	874.1	1232.9	1960.3	3841.4	10658.0	12725.4	13488.5	12527.2
77.5°	493.6	527.3	636.3	862.2	1165.5	1452.9	5704.6	7668.9	8063.4	7464.8
80°	388.5	414.3	475.7	628.3	826.6	777.0	1944.5	3474.7	3702.7	3106.0
82.5°	337.0	346.9	340.9	426.2	549.1	453.9	638.3	1282.4	1415.3	1026.8
85°	243.8	271.6	283.4	263.6	291.4	229.9	261.6	453.9	499.5	446.0
87.5°	99.1	146.7	180.4	170.5	107.0	65.4	81.3	132.8	152.6	166.5
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°
4184.3	0°	4184.3	4184.3	4184.3	4184.3	4184.3	4184.3	4184.3	4184.3	4184.3	4184.3
4186.3	2.5°	4188.3	4202.2	4212.1	4224.0	4231.9	4243.8	4267.6	4281.4	4283.4	4293.3
4218.0	5°	4225.9	4245.8	4267.6	4299.3	4335.0	4364.7	4410.3	4442.0	4453.9	4463.8
4295.3	7.5°	4307.2	4335.0	4374.6	4430.1	4481.6	4521.3	4576.8	4614.4	4652.1	4666.0
4418.2	10°	4428.1	4467.8	4525.2	4600.6	4656.1	4707.6	4765.1	4796.8	4834.5	4850.3
4564.9	12.5°	4578.8	4620.4	4695.7	4800.8	4852.3	4888.0	4907.8	4899.9	4907.8	4921.7
4741.3	15°	4751.2	4796.8	4882.0	4995.0	5030.7	4999.0	4955.4	4915.7	4909.8	4913.7
4955.4	17.5°	4955.4	4989.1	5088.2	5183.3	5157.5	5026.7	4931.6	4868.2	4836.4	4826.5
5228.9	20°	5240.8	5240.8	5322.1	5381.5	5209.1	4987.1	4838.4	4735.3	4669.9	4642.2
5601.5	22.5°	5587.7	5556.0	5607.5	5565.9	5199.2	4876.1	4669.9	4491.5	4392.4	4352.8
6122.9	25°	6027.7	5990.0	5976.2	5718.5	5127.8	4699.7	4364.7	4148.6	4061.4	4039.6
6874.1	27.5°	6691.7	6596.6	6416.2	5801.7	4997.0	4422.2	4007.9	3807.7	3758.2	3760.1
7839.4	30°	7575.8	7385.5	6943.5	5815.6	4782.9	4029.7	3643.2	3500.5	3476.7	3486.6
8650.1	32.5°	8394.4	8214.0	7482.6	5752.2	4453.9	3645.2	3316.1	3221.0	3185.3	3197.2
9268.5	35°	9036.6	8987.1	7982.1	5663.0	4049.5	3284.4	3022.8	2941.5	2872.1	2856.3
9851.3	37.5°	9643.1	9623.3	8356.7	5538.1	3649.1	3028.7	2786.9	2679.9	2578.8	2523.3
10495.5	40°	10309.1	10289.3	8602.5	5345.9	3294.3	2806.7	2574.8	2434.1	2309.2	2208.1
11224.9	42.5°	11058.4	10941.5	8719.5	5070.3	2993.0	2618.4	2402.4	2212.1	2047.6	1954.4
12049.5	45°	11877.0	11613.4	8717.5	4719.5	2739.3	2446.0	2218.0	1948.5	1795.8	1708.6
12895.8	47.5°	12745.2	12255.6	8610.4	4331.0	2493.5	2255.7	1932.6	1726.4	1625.4	1571.8
13815.6	50°	13641.1	12856.2	8428.1	3885.0	2241.8	2039.6	1754.2	1613.5	1536.2	1486.6
14727.4	52.5°	14483.5	13401.3	8208.1	3379.6	1986.1	1829.5	1674.9	1565.9	1484.6	1429.1
15611.4	55°	15266.5	13871.1	7896.9	2862.2	1778.0	1688.8	1637.3	1546.1	1452.9	1387.5
16509.3	57.5°	15962.2	14176.3	7359.7	2376.6	1629.3	1591.7	1597.6	1512.4	1405.3	1349.8
17393.3	60°	16541.0	14400.3	6564.9	1926.6	1508.4	1496.5	1536.2	1448.9	1324.1	1260.6
18140.6	62.5°	16887.9	14396.3	5589.7	1577.8	1405.3	1409.3	1454.9	1369.7	1242.8	1183.3
18531.1	65°	16858.2	14043.5	4519.3	1349.8	1306.2	1310.2	1369.7	1282.4	1175.4	1139.7
18334.9	67.5°	16261.5	13183.3	3466.8	1201.2	1197.2	1215.1	1284.4	1223.0	1133.8	1129.8
17165.4	70°	14646.1	11397.3	2497.5	1082.3	1084.2	1110.0	1201.2	1185.3	1112.0	1119.9
14432.0	72.5°	11744.2	8689.7	1676.9	957.4	959.4	1001.0	1121.9	1155.6	1090.2	1195.2
10239.8	75°	7821.6	5419.2	1078.3	824.6	826.6	880.1	1052.5	1098.1	1030.7	1191.3
5328.0	77.5°	3758.2	2436.1	781.0	693.8	693.8	743.3	909.8	983.1	878.1	925.7
1712.6	80°	1298.3	915.8	614.5	559.0	547.1	580.8	767.1	852.3	757.2	697.7
559.0	82.5°	511.4	475.7	493.6	434.1	394.4	416.3	596.6	703.7	557.0	503.5
315.2	85°	293.4	309.2	348.9	287.4	227.9	255.7	438.1	505.4	420.2	370.7
103.1	87.5°	79.3	109.0	160.6	148.7	103.1	109.0	208.1	279.5	241.8	186.3
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°
4184.3
4291.3
4461.8
4668.0
4858.2
4925.6
4927.6
4840.4
4636.2
4346.8
4043.6
3766.1
3520.3
3213.1
2868.2
2525.3
2218.0
1960.3
1704.6
1559.9
1468.8
1405.3
1361.7
1314.2
1232.9
1165.5
1137.8
1135.8
1117.9
1211.1
1201.2
848.4
654.1
501.5
378.6
192.3
0.0

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