

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: P852938

Luminaire Tested: **GLAN-SB7C-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39572 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

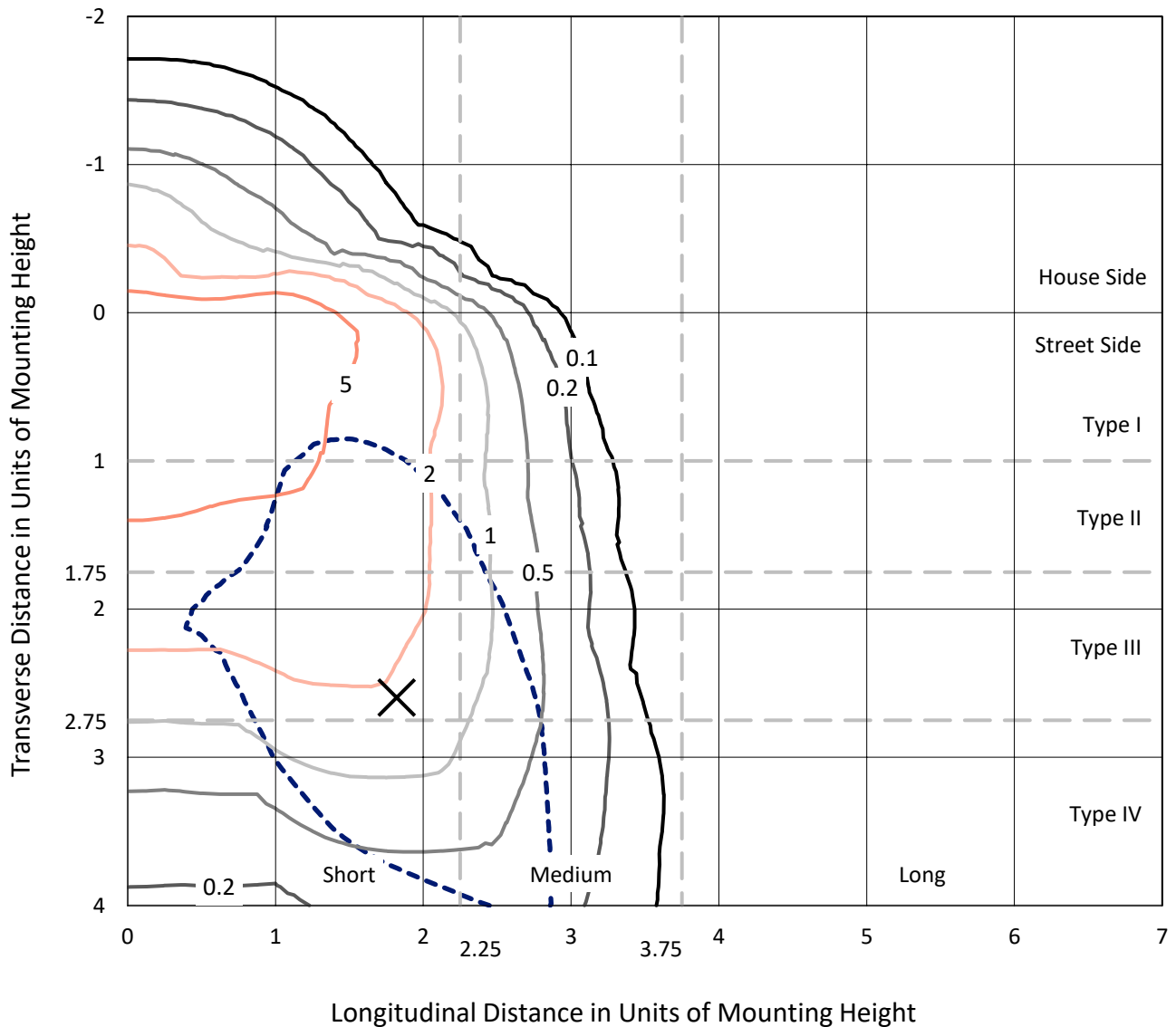
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

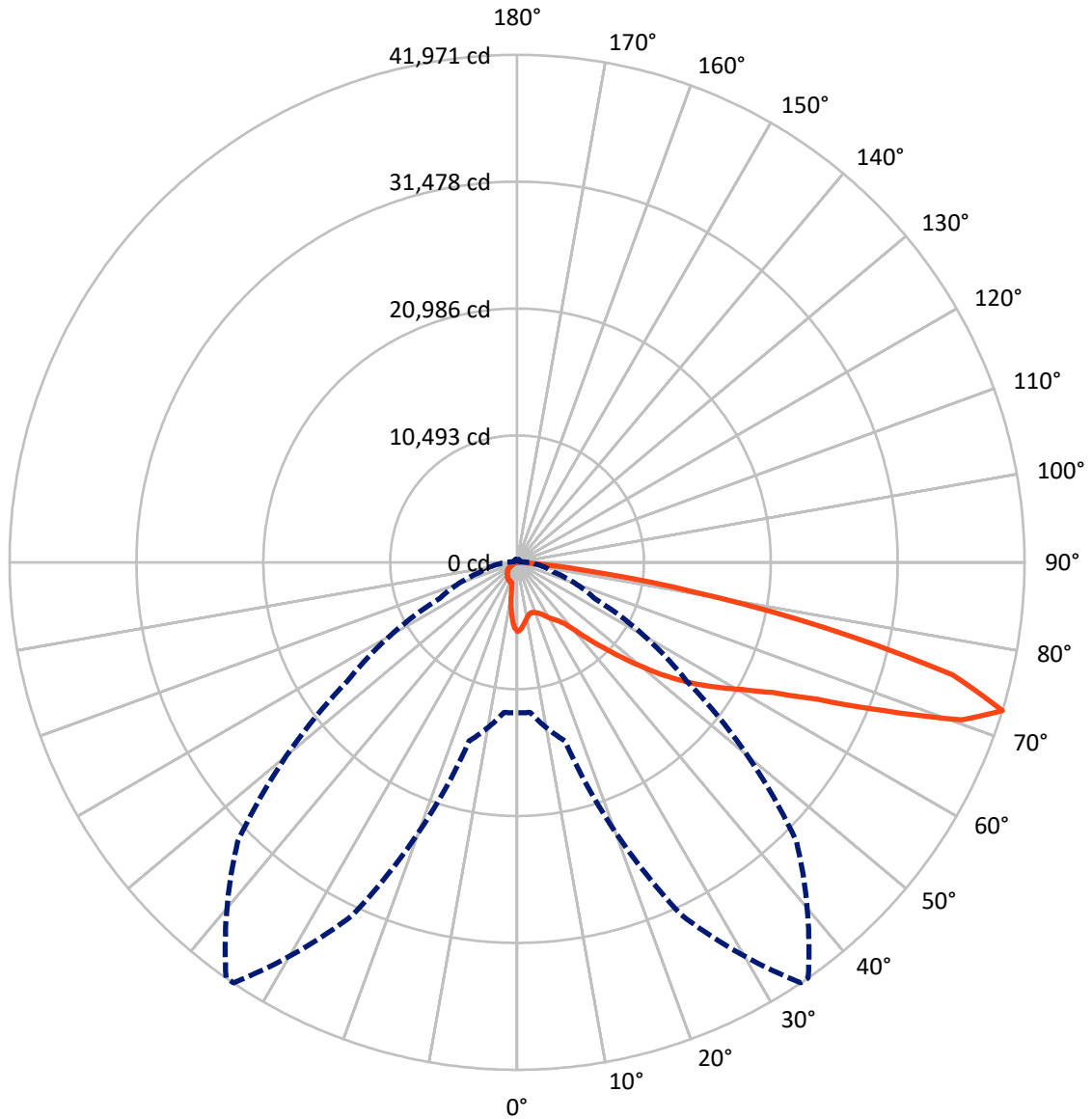
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4453.7	0.0	4453.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	35118.3	0.0	35118.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	39572.0	0.0	39572.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.3	1.2
10°-20°	1102.5	2.8
20°-30°	1791.0	4.5
30°-40°	2988.3	7.6
40°-50°	5654.0	14.3
50°-60°	8984.1	22.7
60°-70°	11114.0	28.1
70°-80°	6908.5	17.5
80°-90°	558.3	1.4
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°	39572.0	100.0
0°-180°	39572.0	100.0

Coefficient of Utilization



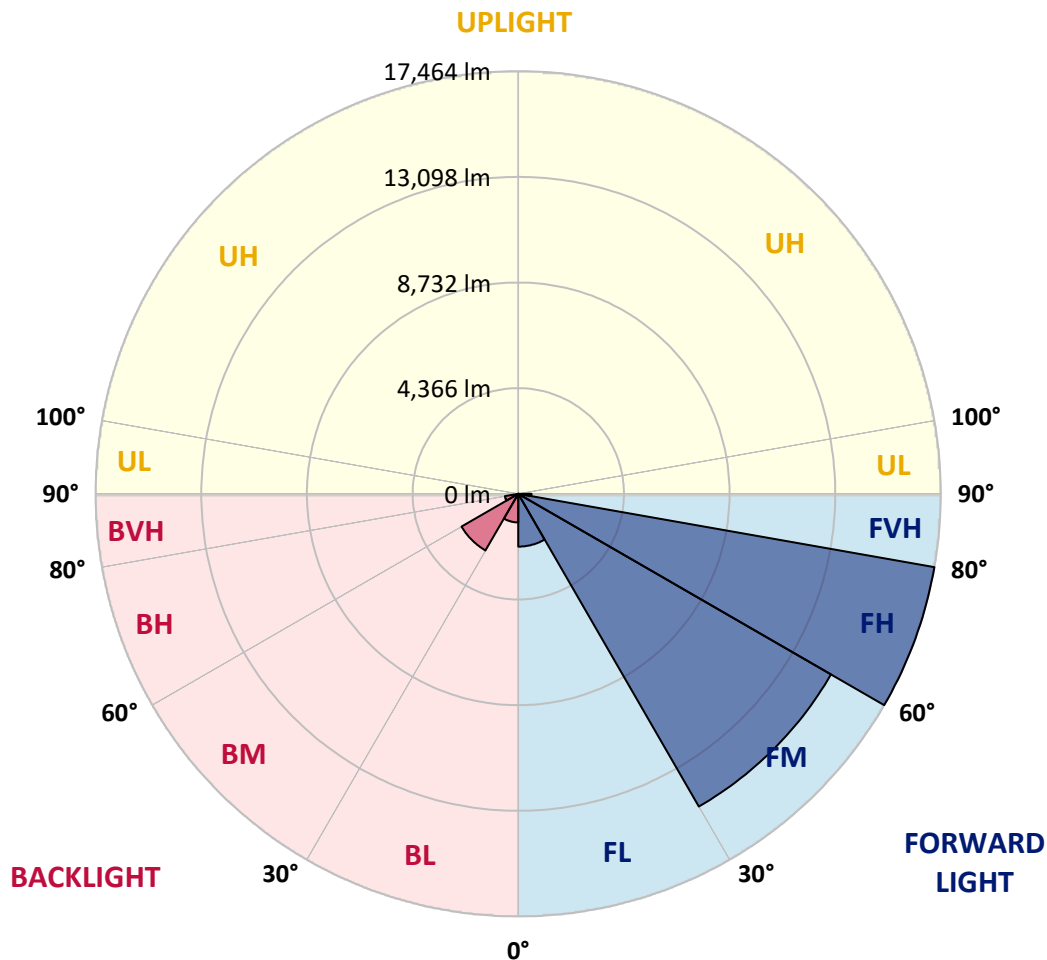
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2181.4	5.5			
FM	(30°-60°)	14922.6	37.7			
FH	(60°-80°)	17463.6	44.1			G5
FVH	(80°-90°)	550.7	1.4			G4/750
BL	(0°-30°)	1183.4	3.0	B3/2500		
BM	(30°-60°)	2703.8	6.8	B3/5000		
BH	(60°-80°)	558.9	1.4	B2/1000		G2/1000
BVH	(80°-90°)	7.6	0.0			G0/10
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°	34°	35°	45°	55°	65°	75°
0°	5735.3	5735.3	5735.3	5735.3	5735.3	5735.3	5735.3	5735.3	5735.3	5735.3
2.5°	5480.1	5526.5	5535.2	5549.7	5549.7	5567.1	5596.1	5636.7	5703.4	5738.2
5°	5051.0	5085.8	5129.3	5164.1	5230.8	5239.5	5352.6	5462.8	5616.4	5732.4
7.5°	4619.0	4659.6	4717.6	4801.7	4888.6	4914.7	5085.8	5271.4	5514.9	5732.4
10°	4314.5	4317.4	4369.6	4453.7	4592.9	4624.8	4833.5	5097.4	5401.9	5697.6
12.5°	4143.5	4163.8	4186.9	4250.7	4384.1	4404.4	4627.7	4937.9	5288.8	5677.3
15°	4143.5	4158.0	4172.5	4204.3	4311.6	4329.0	4526.2	4836.4	5230.8	5686.0
17.5°	4186.9	4210.1	4198.5	4236.2	4349.3	4360.9	4534.9	4807.5	5227.9	5741.1
20°	4291.3	4308.7	4285.5	4308.7	4421.8	4445.0	4624.8	4862.5	5277.2	5836.8
22.5°	4456.6	4465.3	4410.2	4427.6	4543.6	4572.6	4781.4	5019.1	5396.1	5990.5
25°	4665.4	4682.8	4598.7	4619.0	4729.2	4764.0	5004.6	5254.0	5584.5	6202.1
27.5°	4906.0	4914.7	4842.2	4839.3	4981.4	5030.7	5274.3	5543.9	5836.8	6468.9
30°	5181.5	5207.6	5138.0	5126.4	5306.2	5346.8	5587.4	5900.6	6207.9	6869.0
32.5°	5399.0	5419.3	5378.7	5407.7	5590.3	5622.2	5967.3	6405.1	6790.7	7437.3
35°	5712.1	5723.7	5630.9	5683.1	5891.9	5973.1	6486.3	7112.6	7524.3	8150.6
37.5°	6845.8	6845.8	6451.5	6193.4	6393.5	6466.0	7196.7	8002.8	8429.0	9107.5
40°	8414.5	8388.4	7811.4	7283.7	7257.6	7399.7	8208.6	9124.9	9597.5	10255.7
42.5°	10087.5	10046.9	9261.2	8739.2	8652.3	8701.5	9377.1	10508.0	10989.3	11656.2
45°	11572.1	11560.5	10841.4	10139.7	9983.2	10139.7	10835.6	12125.9	12471.0	13172.7
47.5°	12816.0	12816.0	12291.2	11833.1	11751.9	11844.7	12810.2	13920.7	13888.8	14787.7
50°	14248.4	14236.8	13738.1	13540.9	13625.0	13755.5	15083.5	15811.2	15356.0	16373.8
52.5°	15251.6	15321.2	15150.1	15118.3	15547.4	15773.6	17391.5	17661.2	16669.5	17878.6
55°	16046.1	16127.3	16324.5	16547.7	17374.1	17669.9	19627.1	19415.4	17768.4	19183.4
57.5°	17171.1	17055.2	17359.6	17800.3	19137.0	19493.7	21793.0	21071.0	18652.8	20241.8
60°	18536.8	18554.2	18606.4	19163.1	20897.1	21355.2	23927.1	22636.8	19221.1	20891.3
62.5°	20178.0	20204.1	20311.3	21166.7	23260.2	23692.2	26200.3	23918.4	19482.1	20708.6
65°	20064.9	20175.1	21372.6	24298.2	26852.7	27279.0	28853.4	24817.2	19087.7	19038.4
67.5°	18278.8	18458.5	20462.1	28038.6	32269.1	32744.6	32060.3	24994.1	17385.7	14805.1
70°	15935.9	15999.7	18409.2	31402.1	38540.8	39022.1	34930.9	23048.5	13193.0	8257.9
72.5°	12444.9	12459.4	15286.4	32182.1	41944.9	41971.0	32677.9	17110.2	7095.2	3172.1
75°	8890.0	8803.0	10238.3	26098.8	36902.6	37198.3	24498.3	8026.0	2711.1	1499.1
77.5°	4766.9	4862.5	5793.3	15477.8	25492.8	25997.4	13366.9	2313.8	1380.2	1020.6
80°	1473.0	1554.2	2374.7	7086.5	14439.8	14744.2	4955.3	1029.3	962.7	727.8
82.5°	463.9	481.3	1107.6	2977.8	5993.4	6132.5	1435.3	582.8	658.2	481.3
85°	133.4	136.3	492.9	1110.5	1481.7	1510.7	403.0	226.2	376.9	298.7
87.5°	14.5	46.4	185.6	185.6	130.5	127.6	43.5	49.3	107.3	37.7
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°
5735.3	0°	5735.3	5735.3	5735.3	5735.3	5735.3	5735.3	5735.3	5735.3	5735.3	5735.3
5761.4	2.5°	5746.9	5749.8	5712.1	5648.3	5578.7	5520.7	5448.3	5390.3	5349.7	5338.1
5813.6	5°	5787.5	5767.2	5659.9	5465.7	5233.7	5033.6	4810.4	4633.5	4517.5	4468.2
5868.7	7.5°	5848.4	5790.4	5555.5	5172.8	4729.2	4334.8	3934.7	3624.4	3427.3	3328.7
5920.9	10°	5900.6	5784.6	5381.6	4749.5	4071.0	3473.7	2934.3	2560.3	2351.5	2253.0
5981.8	12.5°	5949.9	5781.7	5155.4	4247.8	3328.7	2598.0	2096.4	1910.8	1852.8	1832.5
6080.4	15°	6042.7	5790.4	4871.2	3673.7	2589.3	1963.0	1780.3	1777.4	1789.0	1783.2
6231.1	17.5°	6170.2	5799.1	4549.4	3064.8	1997.8	1731.0	1722.3	1748.4	1765.8	1757.1
6419.6	20°	6335.5	5833.9	4207.2	2461.7	1716.5	1673.0	1693.3	1716.5	1731.0	1716.5
6671.9	22.5°	6567.5	5894.8	3833.2	1977.5	1626.6	1638.2	1655.6	1681.7	1696.2	1675.9
6993.7	25°	6851.6	5990.5	3465.0	1719.4	1583.2	1597.7	1623.7	1652.7	1670.1	1649.8
7399.7	27.5°	7219.9	6144.1	3125.7	1661.4	1539.7	1548.4	1586.1	1629.5	1652.7	1626.6
7976.7	30°	7753.4	6396.4	2832.9	1687.5	1513.6	1493.3	1545.5	1606.4	1632.4	1609.3
8762.4	32.5°	8460.9	6753.1	2653.1	1728.1	1502.0	1429.5	1478.8	1557.1	1600.6	1586.1
9788.9	35°	9388.7	7295.3	2583.5	1774.5	1493.3	1362.8	1397.6	1481.7	1557.1	1571.6
11082.1	37.5°	10513.8	8049.2	2603.8	1794.8	1467.2	1307.7	1325.1	1397.6	1496.2	1542.6
12537.7	40°	11792.5	8927.7	2719.8	1774.5	1438.2	1261.3	1264.2	1319.3	1406.3	1475.9
14103.4	42.5°	13111.8	9954.2	2934.3	1699.1	1412.1	1220.7	1212.0	1249.7	1307.7	1357.0
15666.3	45°	14367.3	11009.6	3146.0	1594.8	1380.2	1180.1	1159.8	1174.3	1185.9	1206.2
17188.5	47.5°	15463.3	11751.9	3085.1	1499.1	1336.7	1133.7	1098.9	1093.1	1058.3	1055.4
18548.4	50°	16220.1	11914.3	2740.1	1403.4	1272.9	1081.5	1026.4	991.6	930.8	901.8
19566.2	52.5°	16460.7	11273.4	2238.5	1307.7	1168.5	1011.9	933.7	878.6	803.2	777.1
20151.9	55°	16141.8	10017.9	1789.0	1191.7	1023.5	919.2	832.2	759.7	698.8	666.9
20215.7	57.5°	15361.8	8420.3	1415.0	1055.4	869.9	814.8	727.8	655.3	603.1	571.2
19508.2	60°	14068.6	6686.4	1119.2	893.1	742.3	701.7	611.8	565.4	519.0	481.3
17681.5	62.5°	12105.6	4772.7	878.6	707.5	620.5	574.1	521.9	487.1	432.0	379.8
14396.3	65°	9446.7	2919.8	678.5	519.0	498.7	475.5	443.6	411.7	345.0	292.9
9391.6	67.5°	5958.6	1383.1	484.2	391.4	394.3	382.7	368.2	342.1	292.9	246.5
4207.2	70°	2624.1	669.8	319.0	298.7	292.9	292.9	304.5	295.8	249.4	205.9
1461.4	72.5°	893.1	359.5	237.8	226.2	211.7	208.8	255.2	246.5	200.1	159.5
727.8	75°	466.8	240.7	174.0	162.4	127.6	153.7	203.0	191.4	142.1	104.4
481.3	77.5°	304.5	171.1	118.9	104.4	72.5	101.5	150.8	133.4	84.1	52.2
316.1	80°	191.4	113.1	69.6	49.3	34.8	55.1	81.2	58.0	31.9	11.6
185.6	82.5°	101.5	58.0	26.1	17.4	14.5	17.4	20.3	14.5	5.8	0.0
95.7	85°	40.6	20.3	8.7	5.8	2.9	0.0	5.8	2.9	0.0	0.0
17.4	87.5°	14.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
5735.3
5358.4
4485.6
3343.2
2255.8
1826.7
1780.3
1754.2
1713.6
1673.0
1646.9
1626.6
1606.4
1586.1
1571.6
1554.2
1499.1
1377.3
1217.8
1052.5
904.7
774.2
666.9
565.4
472.6
371.1
284.2
240.7
197.2
150.8
95.7
46.4
8.7
0.0
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