

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: P853140

Luminaire Tested: **GLAN-SB9A-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853140
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-SB9A-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 350mA 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: 29883 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

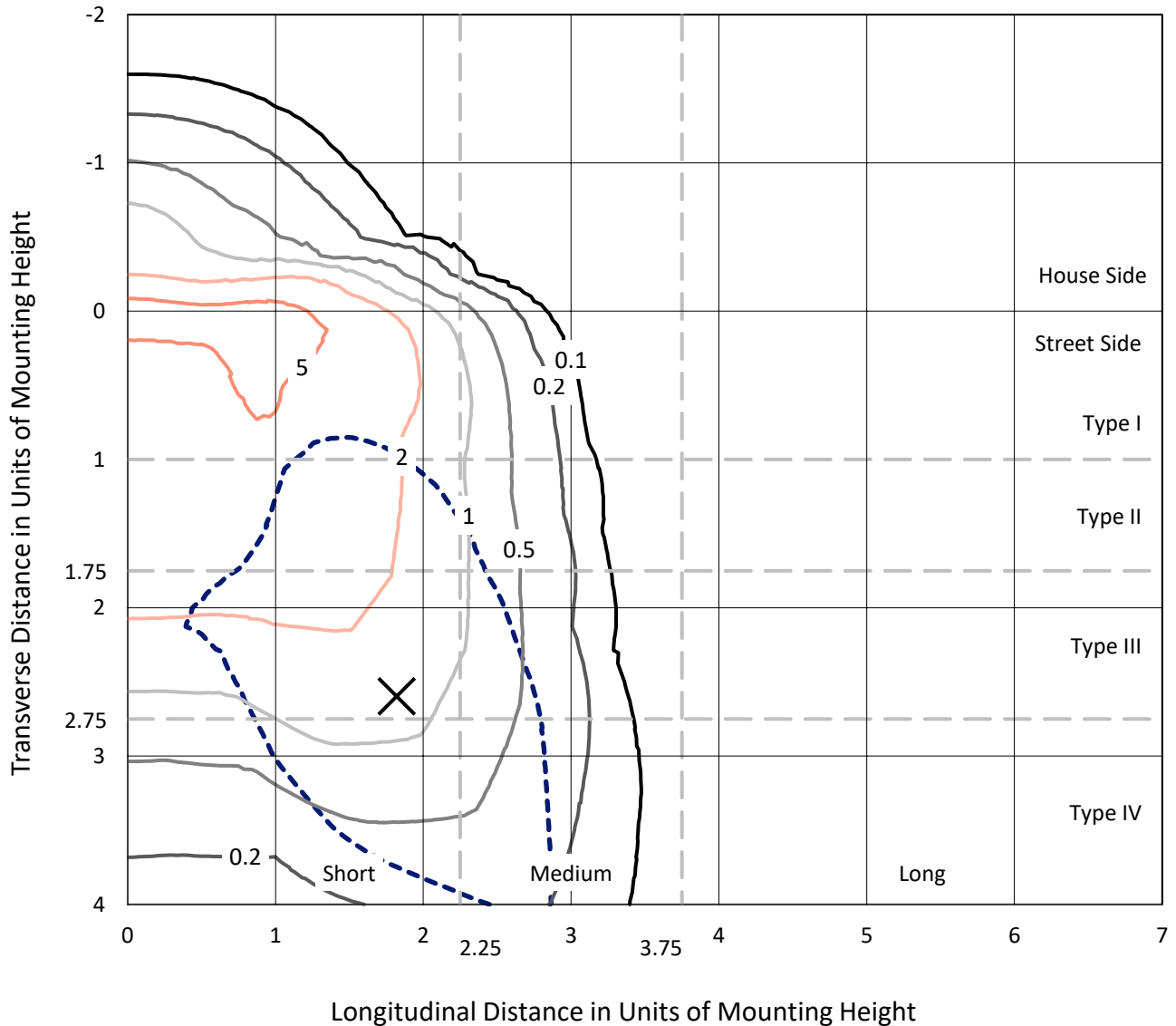
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

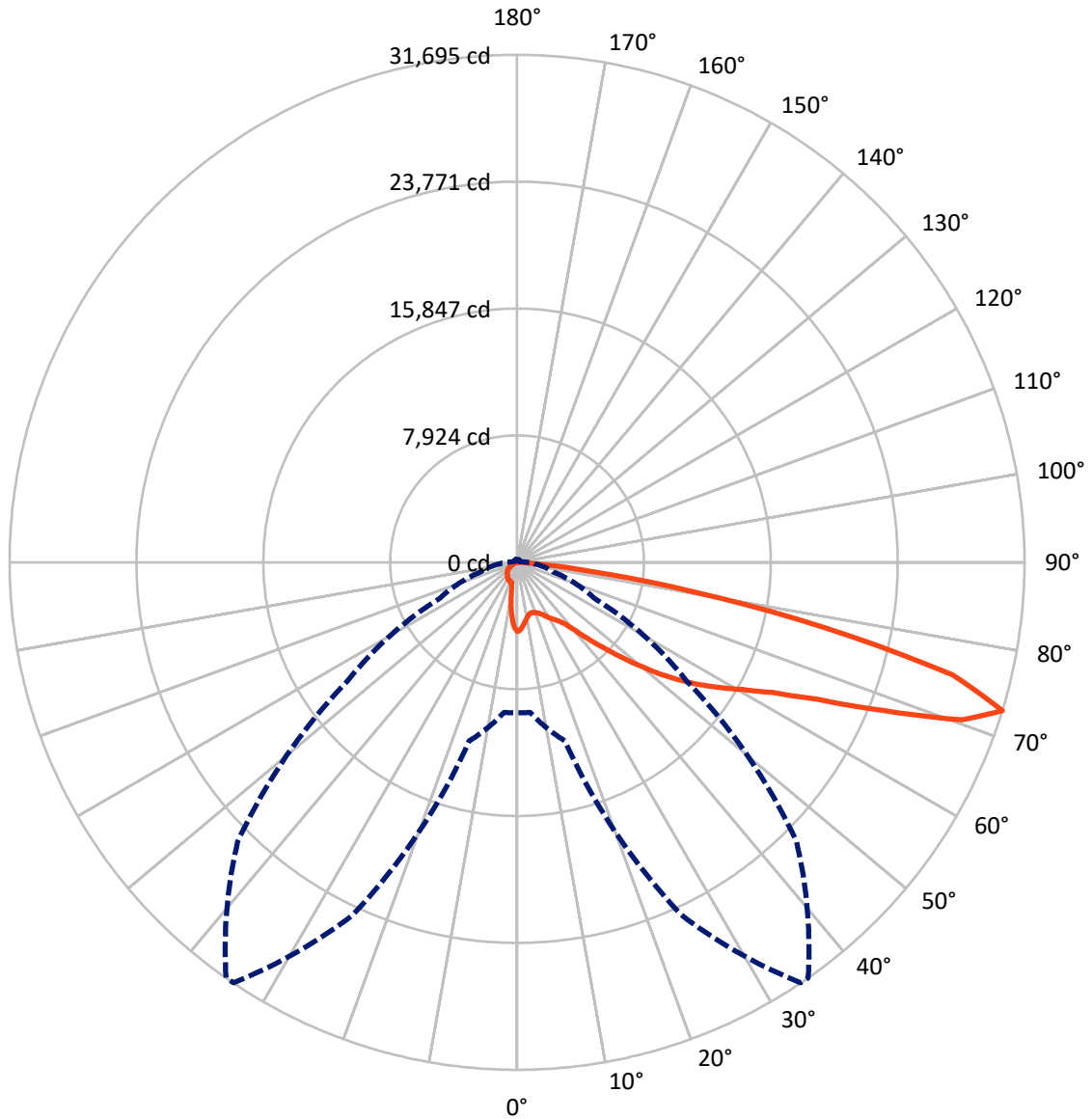
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	3363.2	0.0	3363.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	26519.8	0.0	26519.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	29883.0	0.0	29883.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.9	1.2
10°-20°	832.6	2.8
20°-30°	1352.5	4.5
30°-40°	2256.6	7.6
40°-50°	4269.6	14.3
50°-60°	6784.4	22.7
60°-70°	8392.8	28.1
70°-80°	5217.0	17.5
80°-90°	421.6	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°	29883.0	100.0
0°-180°	29883.0	100.0

Coefficient of Utilization



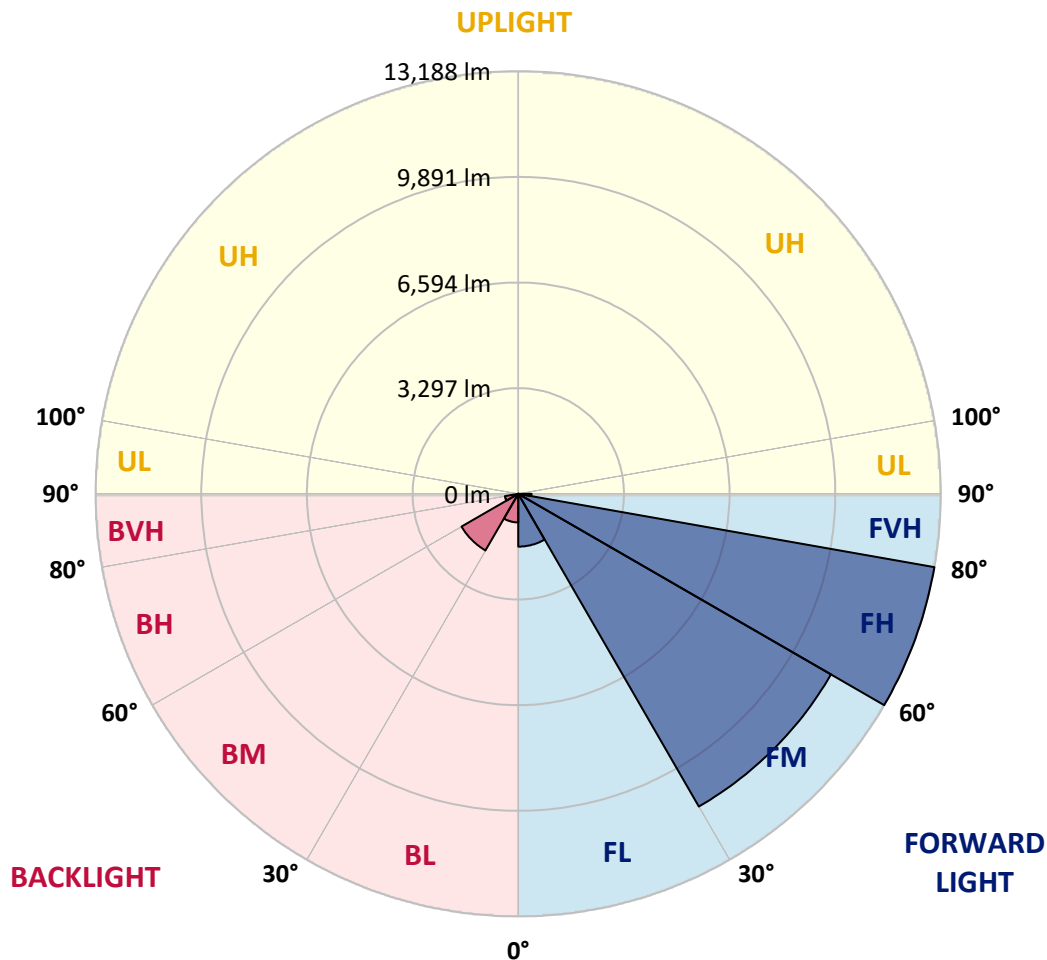
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1647.3	5.5			
FM	(30°-60°)	11268.9	37.7			
FH	(60°-80°)	13187.7	44.1			G5
FVH	(80°-90°)	415.9	1.4			G3/500
BL	(0°-30°)	893.7	3.0	B2/1000		
BM	(30°-60°)	2041.8	6.8	B2/2500		
BH	(60°-80°)	422.0	1.4	B1/500		G1/500
BVH	(80°-90°)	5.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4331.0	4331.0	4331.0	4331.0	4331.0	4331.0	4331.0	4331.0	4331.0	4331.0
2.5°	4138.4	4173.4	4180.0	4190.9	4190.9	4204.1	4225.9	4256.6	4307.0	4333.2
5°	3814.3	3840.6	3873.4	3899.7	3950.1	3956.6	4042.0	4125.2	4241.3	4328.9
7.5°	3488.0	3518.7	3562.5	3626.0	3691.7	3711.4	3840.6	3980.7	4164.6	4328.9
10°	3258.1	3260.3	3299.7	3363.2	3468.3	3492.4	3650.1	3849.3	4079.2	4302.6
12.5°	3129.0	3144.3	3161.8	3210.0	3310.7	3326.0	3494.6	3728.9	3993.8	4287.3
15°	3129.0	3139.9	3150.8	3174.9	3256.0	3269.1	3418.0	3652.3	3950.1	4293.8
17.5°	3161.8	3179.3	3170.6	3199.0	3284.4	3293.2	3424.6	3630.4	3947.9	4335.4
20°	3240.6	3253.8	3236.2	3253.8	3339.2	3356.7	3492.4	3672.0	3985.1	4407.7
22.5°	3365.4	3372.0	3330.4	3343.5	3431.1	3453.0	3610.7	3790.2	4074.9	4523.7
25°	3523.1	3536.2	3472.7	3488.0	3571.3	3597.5	3779.3	3967.6	4217.2	4683.6
27.5°	3704.8	3711.4	3656.6	3654.5	3761.8	3799.0	3982.9	4186.5	4407.7	4885.0
30°	3912.8	3932.5	3880.0	3871.2	4007.0	4037.6	4219.4	4455.9	4688.0	5187.2
32.5°	4077.1	4092.4	4061.7	4083.6	4221.6	4245.7	4506.2	4836.8	5128.1	5616.3
35°	4313.5	4322.3	4252.2	4291.6	4449.3	4510.6	4898.2	5371.1	5682.0	6155.0
37.5°	5169.7	5169.7	4871.9	4677.0	4828.1	4882.8	5434.6	6043.3	6365.2	6877.6
40°	6354.2	6334.5	5898.8	5500.3	5480.6	5587.9	6198.8	6890.7	7247.6	7744.7
42.5°	7617.7	7587.0	6993.6	6599.5	6533.8	6571.0	7081.2	7935.1	8298.6	8802.2
45°	8738.7	8730.0	8187.0	7657.1	7538.8	7657.1	8182.6	9156.9	9417.5	9947.4
47.5°	9678.1	9678.1	9281.8	8935.8	8874.5	8944.6	9673.7	10512.3	10488.2	11167.0
50°	10759.7	10751.0	10374.4	10225.5	10289.0	10387.5	11390.4	11939.9	11596.2	12364.7
52.5°	11517.3	11569.9	11440.7	11416.6	11740.7	11911.5	13133.3	13336.9	12588.1	13501.1
55°	12117.3	12178.6	12327.5	12496.1	13120.1	13343.5	14821.5	14661.6	13417.9	14486.5
57.5°	12966.9	12879.3	13109.2	13442.0	14451.4	14720.7	16457.1	15911.9	14085.8	15285.7
60°	13998.2	14011.3	14050.7	14471.1	15780.5	16126.5	18068.7	17094.3	14514.9	15776.1
62.5°	15237.5	15257.2	15338.2	15984.2	17565.1	17891.3	19785.3	18062.1	14712.0	15638.2
65°	15152.1	15235.3	16139.6	18348.9	20278.0	20599.9	21788.8	18740.9	14414.2	14377.0
67.5°	13803.3	13939.1	15452.1	21173.5	24368.2	24727.3	24210.5	18874.4	13128.9	11180.1
70°	12034.1	12082.3	13901.8	23713.5	29104.3	29467.8	26378.2	17405.2	9962.7	6236.0
72.5°	9397.8	9408.8	11543.6	24302.5	31674.9	31694.6	24676.9	12920.9	5358.0	2395.4
75°	6713.3	6647.7	7731.5	19708.7	27867.2	28090.5	18500.0	6060.8	2047.3	1132.0
77.5°	3599.7	3672.0	4374.8	11688.1	19251.1	19632.0	10094.1	1747.3	1042.3	770.7
80°	1112.3	1173.6	1793.3	5351.4	10904.3	11134.2	3742.0	777.3	727.0	549.6
82.5°	350.3	363.5	836.4	2248.7	4525.9	4631.0	1083.9	440.1	497.0	363.5
85°	100.7	102.9	372.2	838.6	1118.9	1140.8	304.4	170.8	284.6	225.5
87.5°	10.9	35.0	140.1	140.1	98.5	96.3	32.8	37.2	81.0	28.5
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°
4331.0	0°	4331.0	4331.0	4331.0	4331.0	4331.0	4331.0	4331.0	4331.0	4331.0	4331.0
4350.8	2.5°	4339.8	4342.0	4313.5	4265.4	4212.8	4169.0	4114.3	4070.5	4039.8	4031.1
4390.2	5°	4370.5	4355.1	4274.1	4127.4	3952.2	3801.2	3632.6	3499.0	3411.4	3374.2
4431.8	7.5°	4416.4	4372.7	4195.3	3906.3	3571.3	3273.5	2971.3	2737.0	2588.1	2513.7
4471.2	10°	4455.9	4368.3	4063.9	3586.6	3074.2	2623.2	2215.9	1933.4	1775.8	1701.3
4517.2	12.5°	4493.1	4366.1	3893.1	3207.8	2513.7	1961.9	1583.1	1443.0	1399.2	1383.8
4591.6	15°	4563.1	4372.7	3678.5	2774.2	1955.3	1482.4	1344.4	1342.2	1351.0	1346.6
4705.5	17.5°	4659.5	4379.2	3435.5	2314.4	1508.6	1307.2	1300.6	1320.3	1333.5	1326.9
4847.8	20°	4784.3	4405.5	3177.1	1859.0	1296.2	1263.4	1278.7	1296.2	1307.2	1296.2
5038.3	22.5°	4959.5	4451.5	2894.7	1493.3	1228.4	1237.1	1250.3	1270.0	1280.9	1265.6
5281.3	25°	5174.0	4523.7	2616.6	1298.4	1195.5	1206.5	1226.2	1248.1	1261.2	1245.9
5587.9	27.5°	5452.1	4639.8	2360.4	1254.6	1162.7	1169.3	1197.7	1230.6	1248.1	1228.4
6023.6	30°	5855.0	4830.3	2139.2	1274.4	1143.0	1127.6	1167.1	1213.0	1232.8	1215.2
6617.0	32.5°	6389.3	5099.6	2003.5	1305.0	1134.2	1079.5	1116.7	1175.8	1208.7	1197.7
7392.1	35°	7090.0	5509.1	1950.9	1340.0	1127.6	1029.1	1055.4	1118.9	1175.8	1186.8
8368.7	37.5°	7939.5	6078.4	1966.3	1355.4	1107.9	987.5	1000.7	1055.4	1129.8	1164.9
9467.9	40°	8905.1	6741.8	2053.9	1340.0	1086.0	952.5	954.7	996.3	1062.0	1114.5
10650.3	42.5°	9901.4	7516.9	2215.9	1283.1	1066.3	921.8	915.3	943.7	987.5	1024.7
11830.5	45°	10849.5	8313.9	2375.7	1204.3	1042.3	891.2	875.8	886.8	895.6	910.9
12980.0	47.5°	11677.2	8874.5	2329.7	1132.0	1009.4	856.1	829.9	825.5	799.2	797.0
14006.9	50°	12248.7	8997.1	2069.2	1059.8	961.2	816.7	775.1	748.8	702.9	681.0
14775.5	52.5°	12430.4	8513.2	1690.4	987.5	882.4	764.2	705.1	663.5	606.5	586.8
15217.8	55°	12189.6	7565.1	1351.0	899.9	772.9	694.1	628.4	573.7	527.7	503.6
15266.0	57.5°	11600.6	6358.6	1068.5	797.0	656.9	615.3	549.6	494.9	455.4	431.4
14731.7	60°	10624.0	5049.2	845.2	674.4	560.5	529.9	462.0	427.0	391.9	363.5
13352.2	62.5°	9141.6	3604.1	663.5	534.3	468.6	433.5	394.1	367.9	326.3	286.8
10871.4	65°	7133.7	2204.9	512.4	391.9	376.6	359.1	335.0	310.9	260.6	221.2
7092.1	67.5°	4499.6	1044.4	365.7	295.6	297.8	289.0	278.1	258.4	221.2	186.1
3177.1	70°	1981.6	505.8	240.9	225.5	221.2	221.2	229.9	223.3	188.3	155.5
1103.6	72.5°	674.4	271.5	179.5	170.8	159.8	157.7	192.7	186.1	151.1	120.4
549.6	75°	352.5	181.7	131.4	122.6	96.3	116.0	153.3	144.5	107.3	78.8
363.5	77.5°	229.9	129.2	89.8	78.8	54.7	76.6	113.9	100.7	63.5	39.4
238.7	80°	144.5	85.4	52.6	37.2	26.3	41.6	61.3	43.8	24.1	8.8
140.1	82.5°	76.6	43.8	19.7	13.1	10.9	13.1	15.3	10.9	4.4	0.0
72.3	85°	30.7	15.3	6.6	4.4	2.2	0.0	4.4	2.2	0.0	0.0
13.1	87.5°	10.9	2.2	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°
4331.0
4046.4
3387.3
2524.6
1703.5
1379.5
1344.4
1324.7
1294.1
1263.4
1243.7
1228.4
1213.0
1197.7
1186.8
1173.6
1132.0
1040.1
919.6
794.8
683.2
584.6
503.6
427.0
356.9
280.3
214.6
181.7
148.9
113.9
72.3
35.0
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