

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: P852716

Luminaire Tested: **GLAN-SB5D-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852716
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-SB5D-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 900mA 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: 33418 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

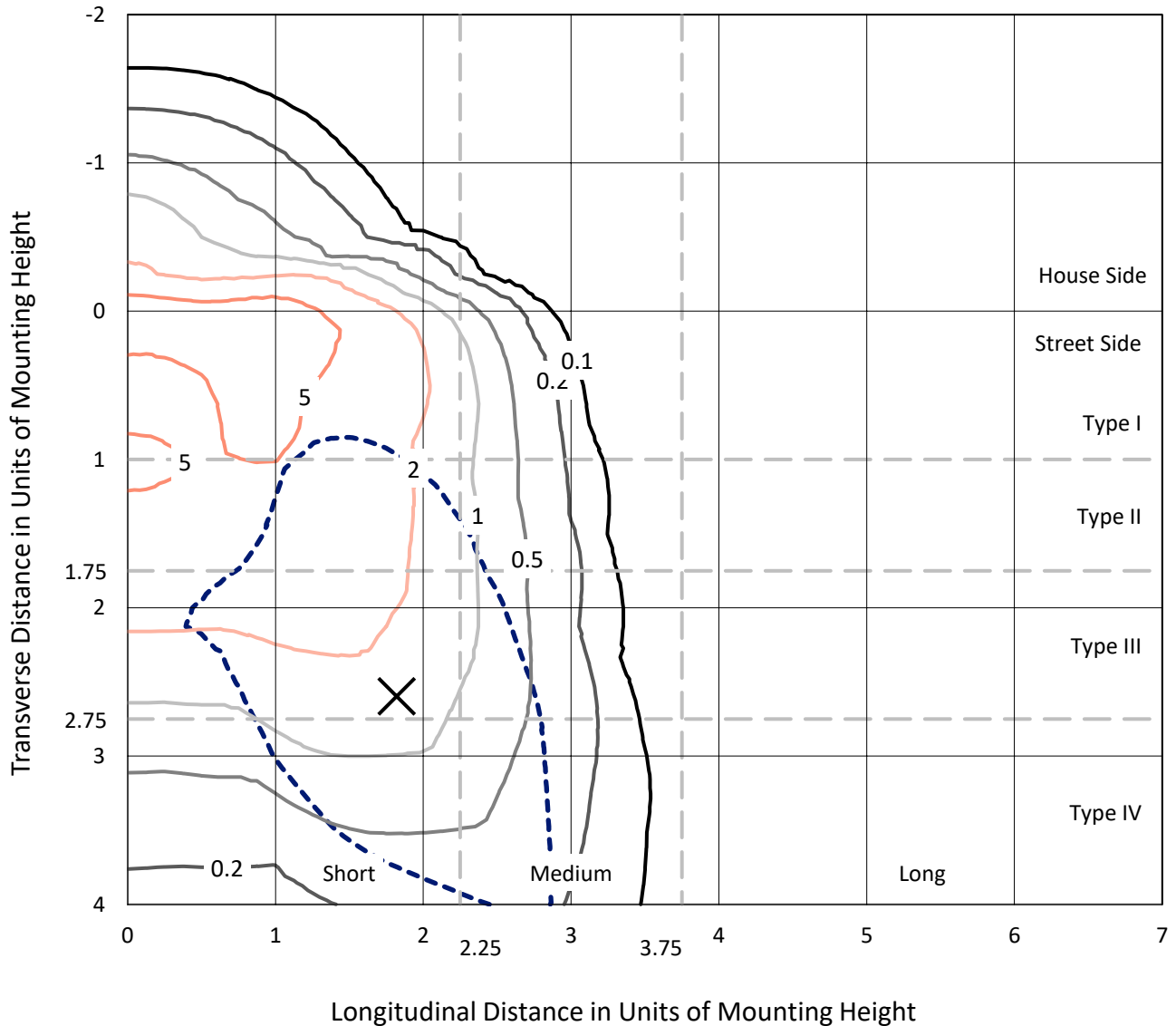
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

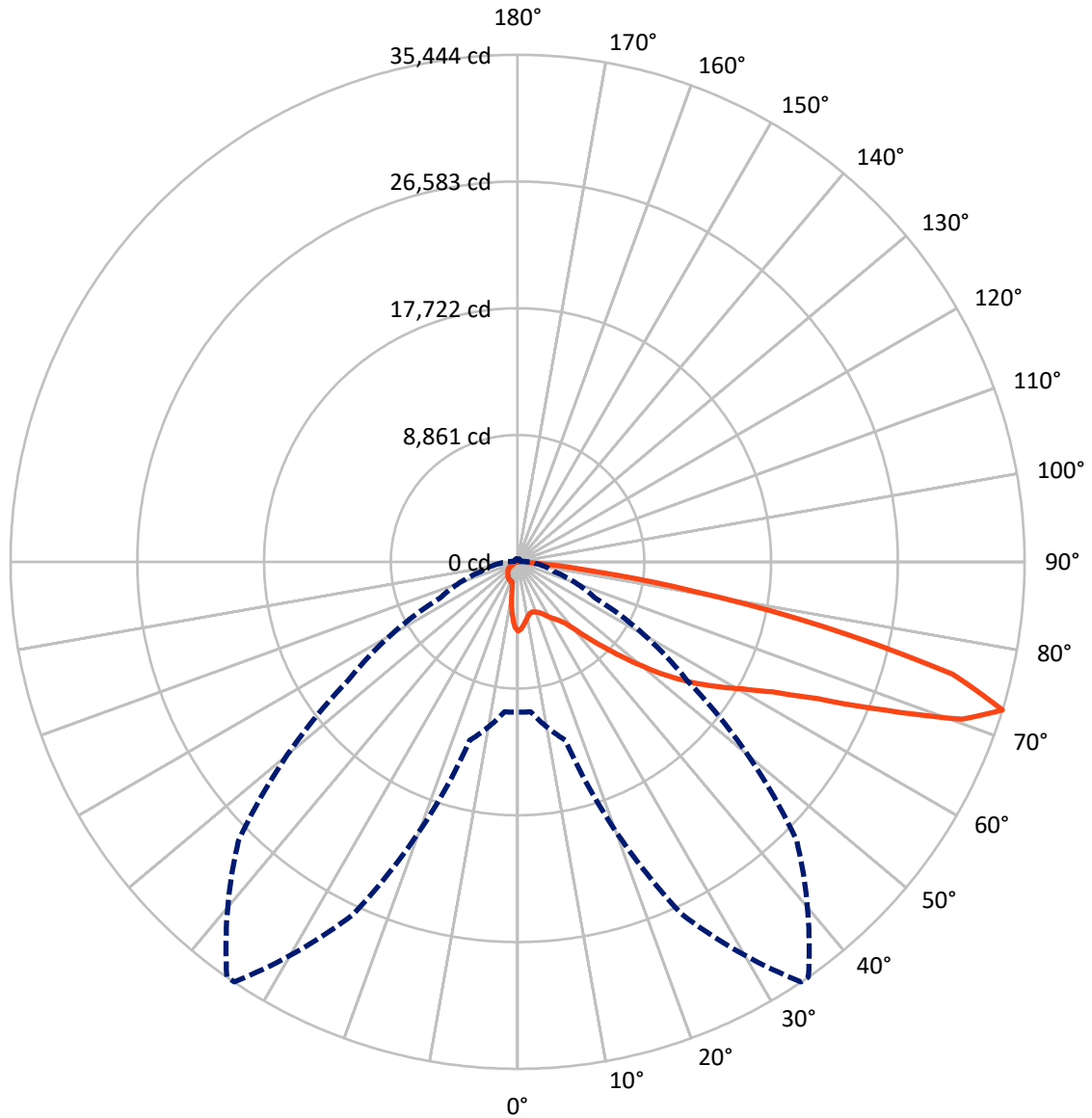
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	3761.0	0.0	3761.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	29657.0	0.0	29657.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	33418.0	0.0	33418.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.0	1.2
10°-20°	931.1	2.8
20°-30°	1512.5	4.5
30°-40°	2523.6	7.6
40°-50°	4774.7	14.3
50°-60°	7586.9	22.7
60°-70°	9385.6	28.1
70°-80°	5834.1	17.5
80°-90°	471.5	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°	33418.0	100.0
0°-180°	33418.0	100.0

Coefficient of Utilization

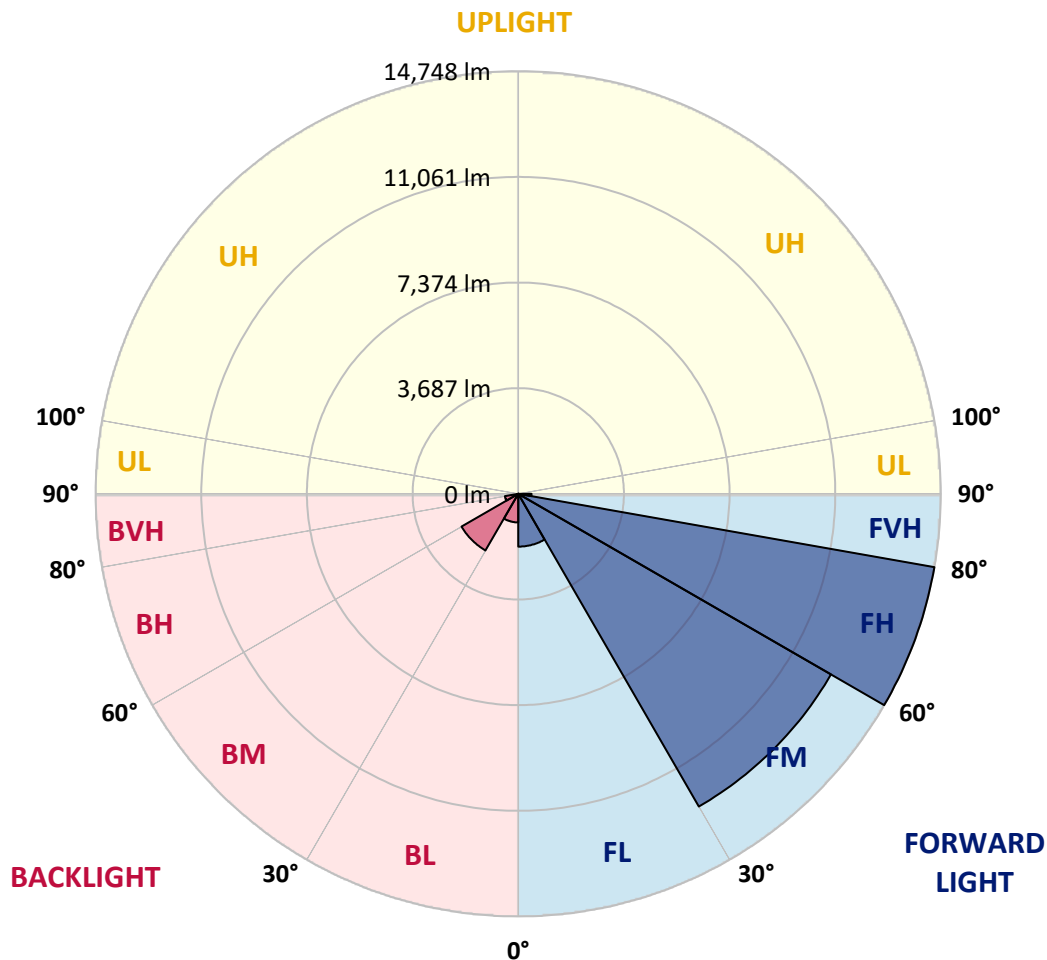


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1842.2	5.5			
FM (30°-60°)	12601.9	37.7			
FH (60°-80°)	14747.8	44.1			G5
FVH (80°-90°)	465.1	1.4			G3/500
BL (0°-30°)	999.4	3.0	B2/1000		
BM (30°-60°)	2283.3	6.8	B2/2500		
BH (60°-80°)	472.0	1.4	B1/500		G1/500
BVH (80°-90°)	6.4	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°	4843.4	4843.4	4843.4	4843.4	4843.4	4843.4	4843.4	4843.4	4843.4	4843.4
2.5°	4627.9	4667.1	4674.4	4686.7	4686.7	4701.4	4725.9	4760.1	4816.5	4845.8
5°	4265.5	4294.9	4331.6	4361.0	4417.3	4424.7	4520.2	4613.2	4743.0	4840.9
7.5°	3900.7	3934.9	3983.9	4054.9	4128.4	4150.4	4294.9	4451.6	4657.3	4840.9
10°	3643.6	3646.0	3690.1	3761.1	3878.6	3905.6	4081.9	4304.7	4561.8	4811.6
12.5°	3499.1	3516.2	3535.8	3589.7	3702.3	3719.5	3908.0	4170.0	4466.3	4794.4
15°	3499.1	3511.3	3523.6	3550.5	3641.1	3655.8	3822.3	4084.3	4417.3	4801.8
17.5°	3535.8	3555.4	3545.6	3577.4	3672.9	3682.7	3829.7	4059.8	4414.9	4848.3
20°	3624.0	3638.7	3619.1	3638.7	3734.2	3753.7	3905.6	4106.4	4456.5	4929.1
22.5°	3763.5	3770.9	3724.4	3739.1	3837.0	3861.5	4037.8	4238.6	4556.9	5058.9
25°	3939.8	3954.5	3883.5	3900.7	3993.7	4023.1	4226.3	4436.9	4716.1	5237.6
27.5°	4143.1	4150.4	4089.2	4086.8	4206.7	4248.4	4454.1	4681.8	4929.1	5462.9
30°	4375.7	4397.7	4339.0	4329.2	4481.0	4515.3	4718.5	4983.0	5242.5	5800.8
32.5°	4559.3	4576.5	4542.2	4566.7	4721.0	4747.9	5039.3	5409.0	5734.7	6280.7
35°	4823.8	4833.6	4755.2	4799.3	4975.6	5044.2	5477.6	6006.5	6354.2	6883.1
37.5°	5781.2	5781.2	5448.2	5230.3	5399.2	5460.4	6077.5	6758.2	7118.2	7691.1
40°	7105.9	7083.9	6596.6	6151.0	6128.9	6248.9	6932.1	7705.8	8105.0	8660.8
42.5°	8518.8	8484.5	7820.9	7380.2	7306.7	7348.3	7918.9	8873.8	9280.3	9843.5
45°	9772.5	9762.7	9155.4	8562.9	8430.6	8562.9	9150.5	10240.2	10531.6	11124.1
47.5°	10822.9	10822.9	10379.7	9992.9	9924.3	10002.7	10818.0	11755.9	11728.9	12488.0
50°	12032.6	12022.8	11601.6	11435.1	11506.1	11616.3	12737.8	13352.4	12967.9	13827.4
52.5°	12879.8	12938.6	12794.1	12767.2	13129.5	13320.5	14686.9	14914.6	14077.2	15098.2
55°	13550.7	13619.3	13785.8	13974.3	14672.2	14921.9	16574.8	16396.0	15005.2	16200.1
57.5°	14500.8	14402.8	14659.9	15032.1	16161.0	16462.1	18403.9	17794.2	15752.0	17093.9
60°	15654.1	15668.8	15712.9	16183.0	17647.3	18034.2	20206.1	19116.4	16232.0	17642.4
62.5°	17040.0	17062.0	17152.6	17875.0	19642.9	20007.7	22125.8	20198.7	16452.3	17488.1
65°	16944.5	17037.6	18048.8	20519.5	22676.8	23036.7	24366.3	20957.8	16119.3	16077.7
67.5°	15436.2	15588.0	17280.0	23678.2	27250.8	27652.4	27074.5	21107.2	14682.0	12502.7
70°	13457.7	13511.5	15546.3	26518.7	32547.2	32953.7	29498.6	19464.2	11141.3	6973.7
72.5°	10509.5	10521.8	12909.2	27177.3	35421.9	35443.9	27596.1	14449.4	5991.8	2678.8
75°	7507.5	7434.0	8646.1	22040.1	31163.7	31413.5	20688.5	6777.8	2289.5	1265.9
77.5°	4025.5	4106.4	4892.4	13070.8	21528.3	21954.4	11288.2	1954.0	1165.5	861.9
80°	1243.9	1312.5	2005.4	5984.4	12194.2	12451.3	4184.7	869.3	812.9	614.6
82.5°	391.8	406.5	935.4	2514.7	5061.3	5178.9	1212.1	492.2	555.8	406.5
85°	112.6	115.1	416.3	937.8	1251.2	1275.7	340.4	191.0	318.3	252.2
87.5°	12.2	39.2	156.7	156.7	110.2	107.7	36.7	41.6	90.6	31.8
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°
4843.4	0°	4843.4	4843.4	4843.4	4843.4	4843.4	4843.4	4843.4	4843.4	4843.4	4843.4
4865.4	2.5°	4853.2	4855.6	4823.8	4769.9	4711.2	4662.2	4601.0	4552.0	4517.7	4507.9
4909.5	5°	4887.5	4870.3	4779.7	4615.7	4419.8	4250.8	4062.3	3912.9	3815.0	3773.3
4956.0	7.5°	4938.9	4889.9	4691.6	4368.4	3993.7	3660.7	3322.8	3060.8	2894.3	2811.0
5000.1	10°	4983.0	4885.0	4544.7	4010.9	3437.9	2933.5	2478.0	2162.1	1985.8	1902.6
5051.5	12.5°	5024.6	4882.6	4353.7	3587.2	2811.0	2194.0	1770.4	1613.6	1564.7	1547.5
5134.8	15°	5102.9	4889.9	4113.7	3102.4	2186.6	1657.7	1503.5	1501.0	1510.8	1505.9
5262.1	17.5°	5210.7	4897.3	3841.9	2588.2	1687.1	1461.8	1454.5	1476.5	1491.2	1483.9
5421.3	20°	5350.3	4926.6	3553.0	2078.9	1449.6	1412.9	1430.0	1449.6	1461.8	1449.6
5634.3	22.5°	5546.1	4978.1	3237.1	1670.0	1373.7	1383.5	1398.2	1420.2	1432.4	1415.3
5906.1	25°	5786.1	5058.9	2926.1	1452.0	1337.0	1349.2	1371.2	1395.7	1410.4	1393.3
6248.9	27.5°	6097.1	5188.6	2639.6	1403.1	1300.2	1307.6	1339.4	1376.1	1395.7	1373.7
6736.2	30°	6547.6	5401.7	2392.3	1425.1	1278.2	1261.0	1305.1	1356.5	1378.6	1359.0
7399.8	32.5°	7145.1	5702.9	2240.5	1459.4	1268.4	1207.2	1248.8	1314.9	1351.6	1339.4
8266.6	35°	7928.7	6160.8	2181.7	1498.6	1261.0	1150.9	1180.2	1251.2	1314.9	1327.2
9358.7	37.5°	8878.7	6797.4	2198.9	1515.7	1239.0	1104.3	1119.0	1180.2	1263.5	1302.7
10587.9	40°	9958.6	7539.3	2296.8	1498.6	1214.5	1065.2	1067.6	1114.1	1187.6	1246.4
11910.1	42.5°	11072.7	8406.1	2478.0	1434.9	1192.5	1030.9	1023.5	1055.4	1104.3	1146.0
13229.9	45°	12133.0	9297.4	2656.8	1346.7	1165.5	996.6	979.5	991.7	1001.5	1018.6
14515.5	47.5°	13058.5	9924.3	2605.3	1265.9	1128.8	957.4	928.0	923.1	893.7	891.3
15663.9	50°	13697.6	10061.4	2314.0	1185.1	1074.9	913.3	866.8	837.4	786.0	761.5
16523.4	52.5°	13900.9	9520.3	1890.3	1104.3	986.8	854.6	788.5	741.9	678.3	656.2
17018.0	55°	13631.5	8460.0	1510.8	1006.4	864.4	776.2	702.8	641.5	590.1	563.2
17071.8	57.5°	12972.8	7110.8	1194.9	891.3	734.6	688.1	614.6	553.4	509.3	482.4
16474.4	60°	11880.7	5646.5	945.2	754.2	626.8	592.6	516.7	477.5	438.3	406.5
14931.7	62.5°	10223.0	4030.4	741.9	597.5	524.0	484.8	440.8	411.4	364.8	320.8
12157.4	65°	7977.6	2465.8	573.0	438.3	421.2	401.6	374.6	347.7	291.4	247.3
7931.1	67.5°	5031.9	1168.0	408.9	330.6	333.0	323.2	311.0	288.9	247.3	208.1
3553.0	70°	2216.0	565.6	269.3	252.2	247.3	247.3	257.1	249.8	210.6	173.9
1234.1	72.5°	754.2	303.6	200.8	191.0	178.7	176.3	215.5	208.1	169.0	134.7
614.6	75°	394.2	203.2	146.9	137.1	107.7	129.8	171.4	161.6	120.0	88.2
406.5	77.5°	257.1	144.5	100.4	88.2	61.2	85.7	127.3	112.6	71.0	44.1
266.9	80°	161.6	95.5	58.8	41.6	29.4	46.5	68.6	49.0	26.9	9.8
156.7	82.5°	85.7	49.0	22.0	14.7	12.2	14.7	17.1	12.2	4.9	0.0
80.8	85°	34.3	17.1	7.3	4.9	2.4	0.0	4.9	2.4	0.0	0.0
14.7	87.5°	12.2	2.4	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°
4843.4
4525.1
3788.0
2823.3
1905.0
1542.6
1503.5
1481.4
1447.1
1412.9
1390.8
1373.7
1356.5
1339.4
1327.2
1312.5
1265.9
1163.1
1028.4
888.9
764.0
653.8
563.2
477.5
399.1
313.4
240.0
203.2
166.5
127.3
80.8
39.2
7.3
0.0
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