

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: P853228

Luminaire Tested: **GLAN-SB9C-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853228
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-SB9C-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 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: 33260 lumens
Efficiency: N/A
Efficacy: 73.9 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

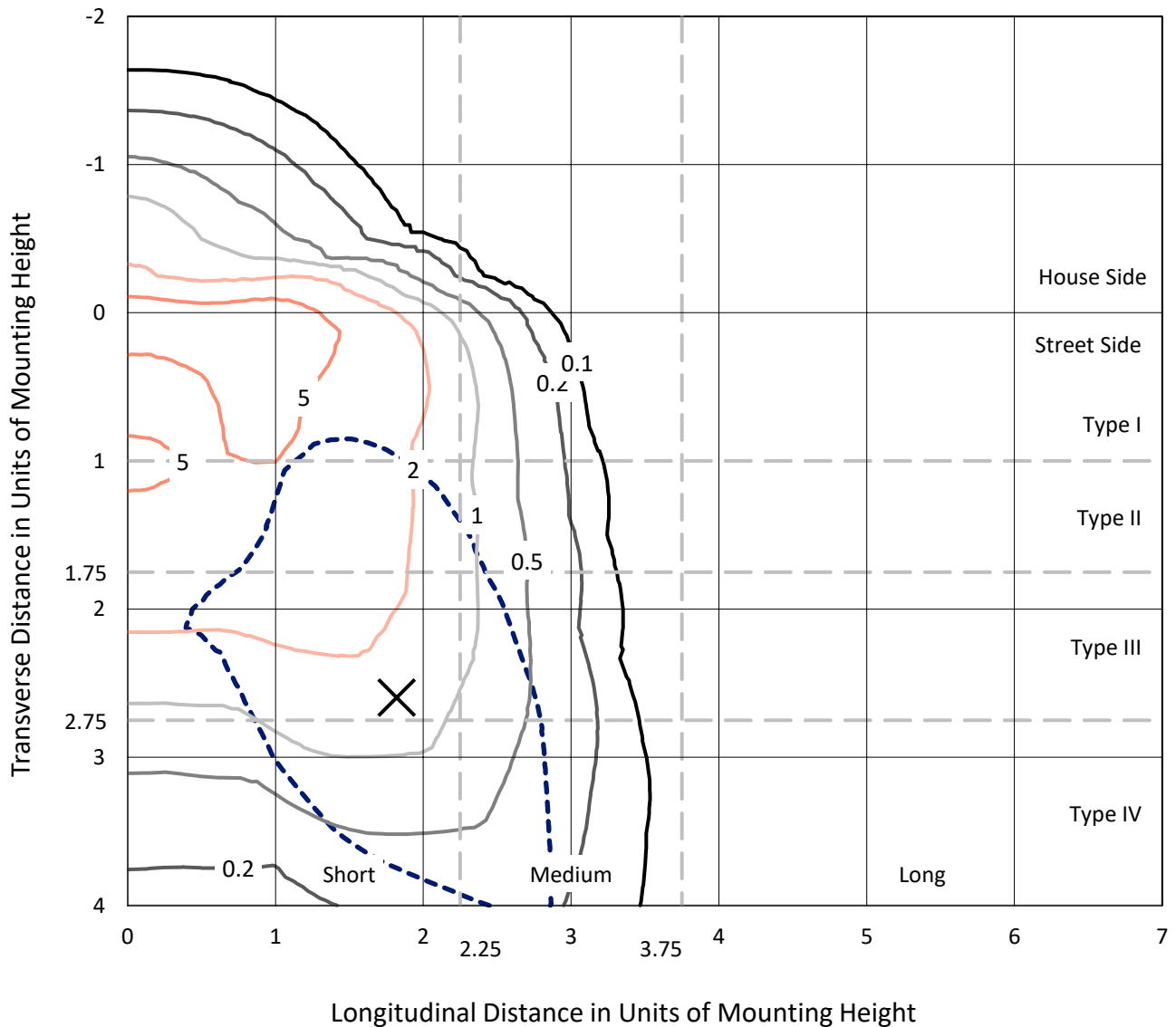
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

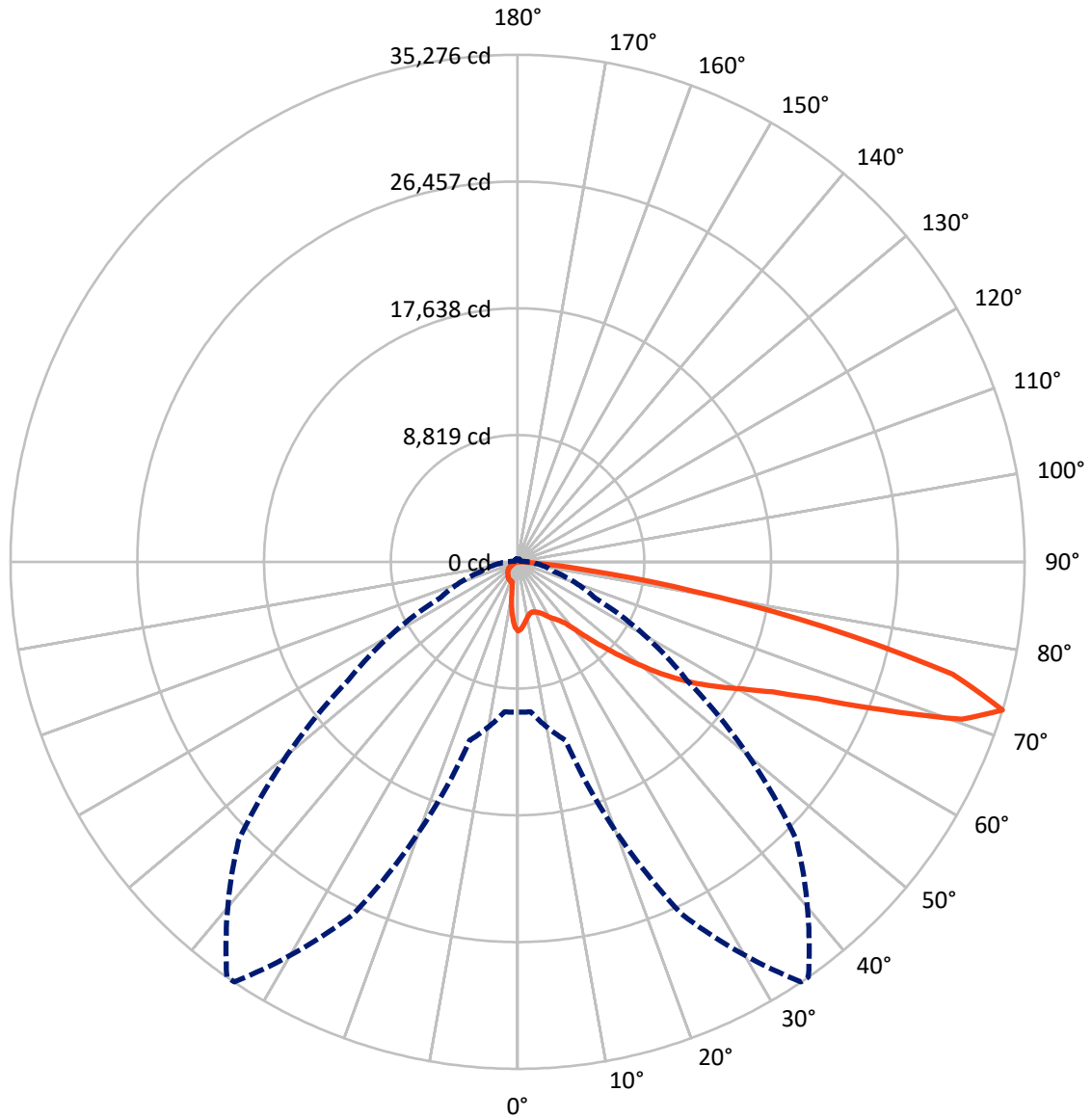
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	3743.2	0.0	3743.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	29516.7	0.0	29516.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	33260.0	0.0	33260.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.1	1.2
10°-20°	926.7	2.8
20°-30°	1505.3	4.5
30°-40°	2511.7	7.6
40°-50°	4752.1	14.3
50°-60°	7551.1	22.7
60°-70°	9341.2	28.1
70°-80°	5806.6	17.5
80°-90°	469.3	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°	33260.0	100.0
0°-180°	33260.0	100.0

Coefficient of Utilization



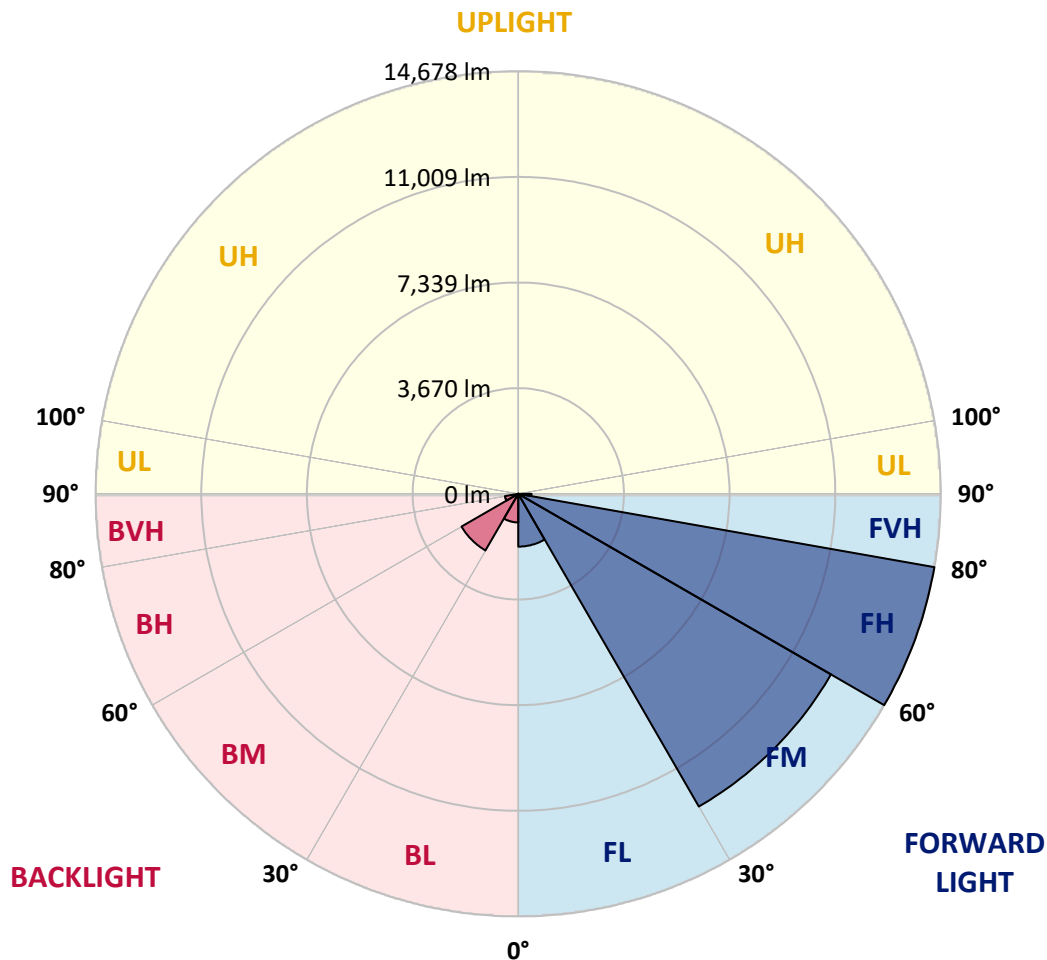
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1833.5	5.5			
FM	(30°-60°)	12542.3	37.7			
FH	(60°-80°)	14678.0	44.1			G5
FVH	(80°-90°)	462.9	1.4			G3/500
BL	(0°-30°)	994.7	3.0	B2/1000		
BM	(30°-60°)	2272.5	6.8	B2/2500		
BH	(60°-80°)	469.7	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°	4820.5	4820.5	4820.5	4820.5	4820.5	4820.5	4820.5	4820.5	4820.5	4820.5
2.5°	4606.0	4645.0	4652.3	4664.5	4664.5	4679.1	4703.5	4737.6	4793.7	4822.9
5°	4245.3	4274.6	4311.1	4340.4	4396.4	4403.8	4498.8	4591.4	4720.6	4818.1
7.5°	3882.2	3916.3	3965.1	4035.8	4108.9	4130.8	4274.6	4430.6	4635.3	4818.1
10°	3626.3	3628.8	3672.6	3743.3	3860.3	3887.1	4062.6	4284.3	4540.2	4788.8
12.5°	3482.5	3499.6	3519.1	3572.7	3684.8	3701.9	3889.5	4150.3	4445.2	4771.7
15°	3482.5	3494.7	3506.9	3533.7	3623.9	3638.5	3804.2	4065.0	4396.4	4779.1
17.5°	3519.1	3538.6	3528.9	3560.5	3655.6	3665.3	3811.5	4040.6	4394.0	4825.4
20°	3606.8	3621.5	3602.0	3621.5	3716.5	3736.0	3887.1	4086.9	4435.4	4905.8
22.5°	3745.7	3753.1	3706.8	3721.4	3818.9	3843.2	4018.7	4218.5	4535.4	5034.9
25°	3921.2	3935.8	3865.2	3882.2	3974.8	4004.1	4206.4	4415.9	4693.8	5212.9
27.5°	4123.5	4130.8	4069.9	4067.4	4186.9	4228.3	4433.0	4659.6	4905.8	5437.1
30°	4355.0	4376.9	4318.5	4308.7	4459.8	4493.9	4696.2	4959.4	5217.7	5773.4
32.5°	4537.8	4554.9	4520.7	4545.1	4698.6	4725.4	5015.5	5383.4	5707.6	6251.0
35°	4801.0	4810.7	4732.8	4776.6	4952.1	5020.3	5451.7	5978.1	6324.2	6850.6
37.5°	5753.9	5753.9	5422.4	5205.5	5373.7	5434.6	6048.8	6726.3	7084.5	7654.8
40°	7072.3	7050.4	6565.4	6121.9	6099.9	6219.4	6899.3	7669.4	8066.6	8619.9
42.5°	8478.5	8444.4	7783.9	7345.3	7272.2	7313.6	7881.4	8831.9	9236.4	9796.9
45°	9726.3	9716.5	9112.1	8522.4	8390.8	8522.4	9107.3	10191.8	10481.8	11071.5
47.5°	10771.8	10771.8	10330.7	9945.6	9877.4	9955.4	10766.9	11700.3	11673.5	12429.0
50°	11975.7	11965.9	11546.8	11381.0	11451.7	11561.4	12677.5	13289.2	12906.6	13762.0
52.5°	12818.9	12877.4	12733.6	12706.8	13067.5	13257.6	14617.4	14844.1	14010.6	15026.9
55°	13486.6	13554.9	13720.6	13908.3	14602.8	14851.4	16496.4	16318.5	14934.3	16123.5
57.5°	14432.2	14334.7	14590.6	14961.1	16084.5	16384.3	18316.9	17710.1	15677.6	17013.1
60°	15580.1	15594.7	15638.6	16106.5	17563.8	17948.9	20110.6	19026.1	16155.2	17559.0
62.5°	16959.4	16981.4	17071.6	17790.5	19550.0	19913.2	22021.2	20103.2	16374.6	17405.4
65°	16864.4	16957.0	17963.5	20422.5	22569.5	22927.8	24251.1	20858.7	16043.1	16001.7
67.5°	15363.2	15514.3	17198.3	23566.3	27122.0	27521.6	26946.5	21007.4	14612.6	12443.6
70°	13394.0	13447.7	15472.8	26393.3	32393.3	32797.8	29359.2	19372.1	11088.6	6940.7
72.5°	10459.8	10472.0	12848.1	27048.8	35254.4	35276.3	27465.6	14381.0	5963.5	2666.1
75°	7472.0	7398.9	8605.2	21935.9	31016.4	31264.9	20590.7	6745.8	2278.6	1260.0
77.5°	4006.5	4086.9	4869.2	13009.0	21426.6	21850.6	11234.8	1944.8	1160.0	857.8
80°	1238.0	1306.3	1995.9	5956.2	12136.5	12392.4	4164.9	865.2	809.1	611.7
82.5°	389.9	404.6	931.0	2502.9	5037.4	5154.4	1206.3	489.8	553.2	404.6
85°	112.1	114.5	414.3	933.4	1245.3	1269.7	338.8	190.1	316.8	251.0
87.5°	12.2	39.0	156.0	156.0	109.7	107.2	36.6	41.4	90.2	31.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853228
 CATALOG NUMBER: GLAN-SB9C-927-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4820.5	0°	4820.5	4820.5	4820.5	4820.5	4820.5	4820.5	4820.5	4820.5	4820.5	4820.5
4842.4	2.5°	4830.2	4832.7	4801.0	4747.4	4688.9	4640.1	4579.2	4530.5	4496.4	4486.6
4886.3	5°	4864.4	4847.3	4757.1	4593.8	4398.9	4230.7	4043.1	3894.4	3796.9	3755.5
4932.6	7.5°	4915.5	4866.8	4669.4	4347.7	3974.8	3643.4	3307.1	3046.3	2880.6	2797.7
4976.5	10°	4959.4	4861.9	4523.2	3991.9	3421.6	2919.6	2466.3	2151.9	1976.4	1893.6
5027.6	12.5°	5000.8	4859.5	4333.1	3570.3	2797.7	2183.6	1762.0	1606.0	1557.3	1540.2
5110.5	15°	5078.8	4866.8	4094.2	3087.7	2176.3	1649.9	1496.4	1493.9	1503.7	1498.8
5237.2	17.5°	5186.0	4874.1	3823.7	2576.0	1679.1	1454.9	1447.6	1469.5	1484.2	1476.9
5395.6	20°	5325.0	4903.3	3536.2	2069.1	1442.7	1406.2	1423.2	1442.7	1454.9	1442.7
5607.7	22.5°	5519.9	4954.5	3221.8	1662.1	1367.2	1376.9	1391.6	1413.5	1425.7	1408.6
5878.2	25°	5758.8	5034.9	2912.3	1445.2	1330.6	1342.8	1364.7	1389.1	1403.7	1386.7
6219.4	27.5°	6068.3	5164.1	2627.1	1396.4	1294.1	1301.4	1333.1	1369.6	1389.1	1367.2
6704.3	30°	6516.7	5376.1	2381.0	1418.4	1272.1	1255.1	1298.9	1350.1	1372.1	1352.6
7364.8	32.5°	7111.3	5675.9	2229.9	1452.5	1262.4	1201.5	1242.9	1308.7	1345.3	1333.1
8227.5	35°	7891.2	6131.6	2171.4	1491.5	1255.1	1145.4	1174.7	1245.3	1308.7	1320.9
9314.4	37.5°	8836.8	6765.3	2188.5	1508.5	1233.1	1099.1	1113.7	1174.7	1257.5	1296.5
10537.8	40°	9911.5	7503.7	2286.0	1491.5	1208.8	1060.1	1062.6	1108.9	1182.0	1240.5
11853.8	42.5°	11020.3	8366.4	2466.3	1428.1	1186.8	1026.0	1018.7	1050.4	1099.1	1140.5
13167.4	45°	12075.6	9253.5	2644.2	1340.4	1160.0	991.9	974.8	987.0	996.8	1013.8
14446.8	47.5°	12996.8	9877.4	2593.0	1260.0	1123.5	952.9	923.6	918.8	889.5	887.1
15589.8	50°	13632.9	10013.8	2303.0	1179.5	1069.9	909.0	862.7	833.5	782.3	757.9
16445.2	52.5°	13835.1	9475.3	1881.4	1099.1	982.1	850.5	784.7	738.4	675.1	653.1
16937.5	55°	13567.1	8420.0	1503.7	1001.6	860.3	772.5	699.4	638.5	587.3	560.5
16991.1	57.5°	12911.5	7077.2	1189.3	887.1	731.1	684.8	611.7	550.8	506.9	480.1
16396.5	60°	11824.6	5619.8	940.7	750.6	623.9	589.8	514.2	475.2	436.2	404.6
14861.1	62.5°	10174.7	4011.4	738.4	594.6	521.5	482.5	438.7	409.4	363.1	319.3
12100.0	65°	7939.9	2454.1	570.3	436.2	419.2	399.7	372.9	346.1	290.0	246.1
7893.6	67.5°	5008.1	1162.5	407.0	329.0	331.4	321.7	309.5	287.6	246.1	207.1
3536.2	70°	2205.5	563.0	268.1	251.0	246.1	246.1	255.9	248.6	209.6	173.0
1228.3	72.5°	750.6	302.2	199.8	190.1	177.9	175.5	214.5	207.1	168.2	134.0
611.7	75°	392.4	202.3	146.2	136.5	107.2	129.2	170.6	160.8	119.4	87.7
404.6	77.5°	255.9	143.8	99.9	87.7	60.9	85.3	126.7	112.1	70.7	43.9
265.6	80°	160.8	95.0	58.5	41.4	29.2	46.3	68.2	48.7	26.8	9.7
156.0	82.5°	85.3	48.7	21.9	14.6	12.2	14.6	17.1	12.2	4.9	0.0
80.4	85°	34.1	17.1	7.3	4.9	2.4	0.0	4.9	2.4	0.0	0.0
14.6	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°
4820.5
4503.7
3770.1
2809.9
1896.0
1535.3
1496.4
1474.4
1440.3
1406.2
1384.2
1367.2
1350.1
1333.1
1320.9
1306.3
1260.0
1157.6
1023.6
884.6
760.4
650.7
560.5
475.2
397.2
311.9
238.8
202.3
165.7
126.7
80.4
39.0
7.3
0.0
0.0
0.0
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