

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: P850207

Luminaire Tested: **GLAN-SB7C-835-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850207  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-835-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

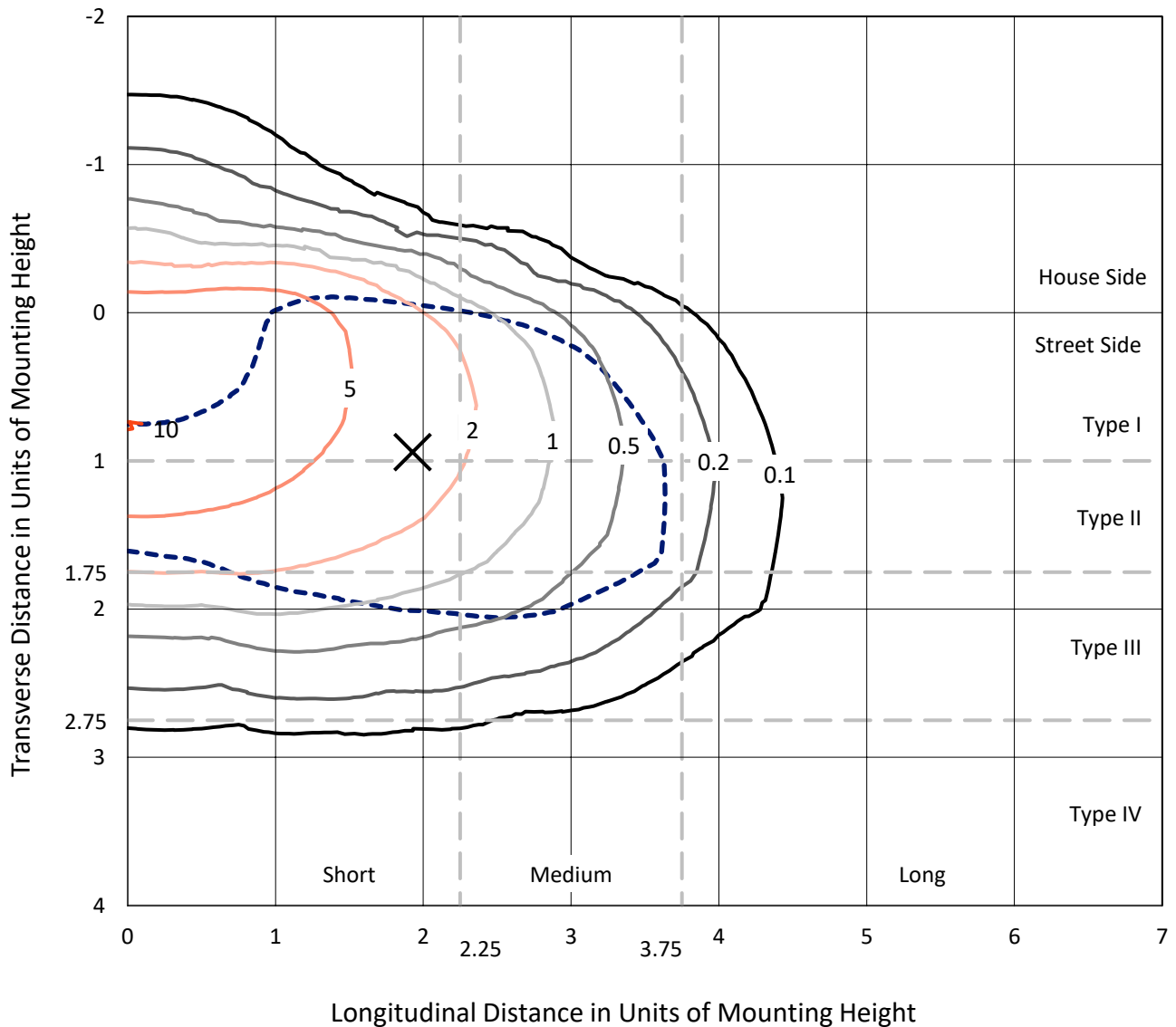
Lumens per Lamp: N/A  
Luminaire Lumens: 34585 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

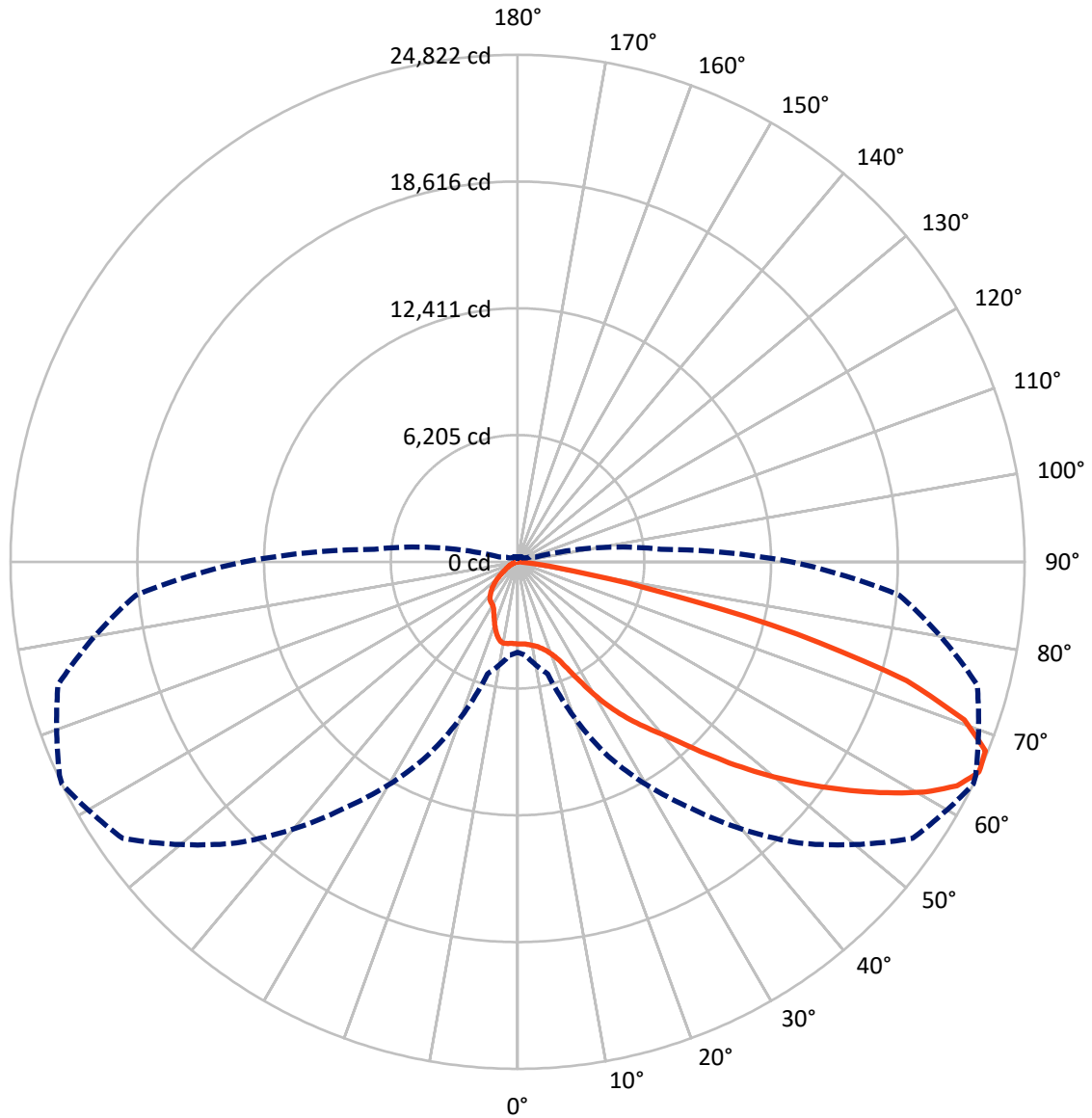
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4625.1	0.0	4625.1
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	29959.9	0.0	29959.9
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	34585.0	0.0	34585.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.1	1.1
10°-20°	1006.6	2.9
20°-30°	1907.4	5.5
30°-40°	3859.7	11.2
40°-50°	6575.0	19.0
50°-60°	8941.6	25.9
60°-70°	8396.6	24.3
70°-80°	3364.0	9.7
80°-90°	163.0	0.5
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°	34585.0	100.0
0°-180°	34585.0	100.0

**Coefficient of Utilization**



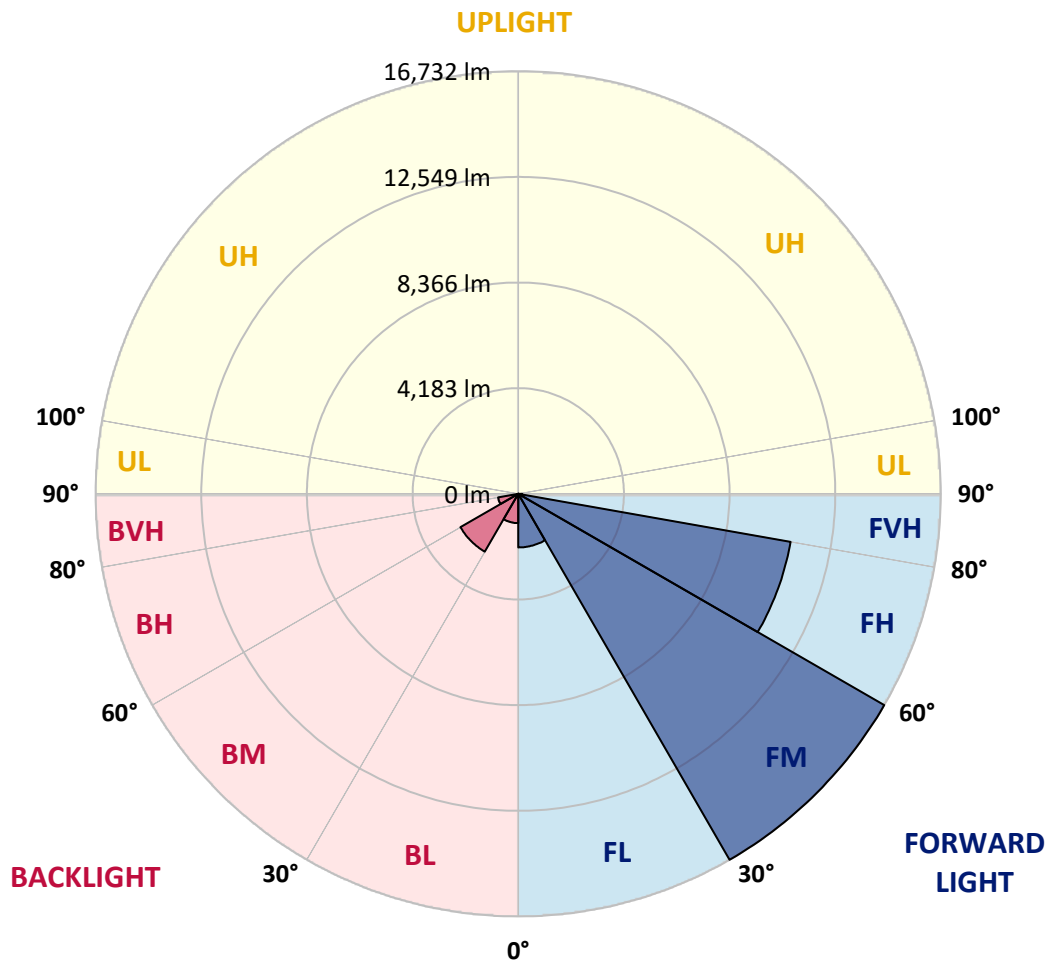
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2123.9	6.1			
FM (30°-60°)	16732.2	48.4			
FH (60°-80°)	10948.8	31.7			G4/12000
FVH (80°-90°)	155.0	0.4			G2/225
BL (0°-30°)	1161.2	3.4	B3/2500		
BM (30°-60°)	2644.1	7.6	B3/5000		
BH (60°-80°)	811.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.0	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-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4022.6	4022.6	4022.6	4022.6	4022.6	4022.6	4022.6	4022.6	4022.6	4022.6
2.5°	4008.7	4036.5	4029.6	4022.6	4020.3	4024.9	4027.2	4024.9	4024.9	4024.9
5°	3932.2	3955.4	3955.4	3971.6	3994.8	4022.6	4043.5	4048.1	4052.7	4059.7
7.5°	3786.1	3804.7	3818.6	3871.9	3929.9	4004.0	4066.6	4099.1	4103.7	4129.2
10°	3686.4	3709.6	3732.8	3788.4	3871.9	3983.2	4089.8	4168.7	4180.3	4240.5
12.5°	3681.8	3705.0	3735.1	3795.4	3892.8	4011.0	4140.8	4254.4	4275.3	4363.4
15°	3730.5	3758.3	3786.1	3860.3	3964.6	4108.4	4247.5	4388.9	4409.8	4535.0
17.5°	3830.2	3867.3	3888.1	3962.3	4073.6	4233.6	4416.7	4579.0	4597.6	4743.6
20°	4027.2	4071.3	4078.2	4138.5	4247.5	4419.1	4637.0	4838.7	4861.9	5028.8
22.5°	4435.3	4497.9	4442.2	4472.4	4569.8	4741.3	4977.8	5232.9	5265.3	5455.4
25°	5154.0	5242.1	5098.4	5047.4	5089.1	5267.6	5564.4	5886.7	5923.8	6076.8
27.5°	6566.0	6452.4	6234.4	6021.1	5895.9	5998.0	6331.8	6730.6	6777.0	6925.4
30°	8117.1	8017.4	7722.9	7249.9	6953.2	6936.9	7245.3	7690.5	7743.8	7885.2
32.5°	9670.5	9575.4	9255.4	8673.5	8158.8	7903.8	8117.1	8610.9	8638.7	8729.1
35°	11198.3	11101.0	10781.0	10185.2	9552.2	8972.6	8930.9	9487.3	9496.6	9591.6
37.5°	12735.5	12654.4	12313.5	11729.3	11105.6	10305.7	9918.5	10317.3	10328.9	10421.7
40°	13832.2	13866.9	13632.8	13180.7	12645.1	11771.0	11026.8	11200.7	11131.1	11286.4
42.5°	14773.5	14843.0	14639.0	14411.8	14101.1	13331.4	12399.3	12369.2	12257.9	12341.4
45°	15587.3	15645.2	15462.1	15408.7	15401.8	14861.6	13899.4	13718.6	13563.2	13547.0
47.5°	15886.4	15997.6	16076.5	16255.0	16602.8	16375.6	15450.5	15169.9	14996.0	14868.5
50°	16000.0	16118.2	16387.1	16906.5	17729.6	17826.9	16994.6	16679.3	16466.0	16234.1
52.5°	15846.9	16057.9	16419.6	17293.7	18487.7	18990.8	18476.1	18200.2	17956.8	17578.9
55°	14945.0	15156.0	15895.6	17289.0	18865.6	19806.9	19876.5	19753.6	19480.0	18884.2
57.5°	13043.9	13356.9	14527.7	16700.1	18858.7	20509.4	21249.0	21337.1	21031.1	20177.9
60°	10410.1	10834.3	12262.5	15394.8	18276.7	20889.7	22452.3	22892.9	22568.3	21453.1
62.5°	7263.9	7755.4	9107.1	13349.9	16945.9	20616.1	23331.0	24144.8	23899.1	22593.8
65°	4430.7	4588.3	5678.0	10505.1	14683.1	19470.7	23602.3	24821.8	24740.7	23291.6
67.5°	2951.4	3083.6	3396.6	7203.6	11397.7	17182.4	22953.1	24703.6	24726.8	23178.0
70°	1778.3	1891.9	2095.9	4189.5	7386.7	13600.3	20943.0	23196.6	23331.0	21659.4
72.5°	732.6	809.2	994.6	1898.9	3825.5	8631.8	16677.0	19915.9	20228.9	18211.8
75°	415.0	454.4	584.3	952.9	1660.0	4022.6	10101.7	14138.2	14599.6	12552.4
77.5°	275.9	294.4	377.9	616.7	934.4	1372.6	4317.0	7365.9	8246.9	6855.8
80°	185.5	201.7	259.7	412.7	607.4	588.9	1374.9	2728.9	3357.2	2355.6
82.5°	125.2	127.5	185.5	271.3	384.9	285.2	405.7	848.6	1066.5	681.6
85°	71.9	69.6	136.8	157.7	171.6	118.2	122.9	255.0	333.9	287.5
87.5°	9.3	13.9	53.3	41.7	23.2	25.5	25.5	44.1	64.9	69.6
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°
4022.6	0°	4022.6	4022.6	4022.6	4022.6	4022.6	4022.6	4022.6	4022.6	4022.6	4022.6
4027.2	2.5°	4027.2	4024.9	4018.0	4011.0	3994.8	3985.5	3990.1	3985.5	3983.2	3985.5
4057.4	5°	4057.4	4050.4	4031.9	4008.7	3976.2	3936.8	3911.3	3874.2	3839.4	3818.6
4138.5	7.5°	4138.5	4131.6	4106.1	4041.1	3936.8	3772.2	3621.5	3489.3	3389.6	3331.7
4268.4	10°	4268.4	4256.8	4217.3	4073.6	3800.0	3440.7	3141.6	2893.5	2731.2	2654.7
4421.4	12.5°	4421.4	4407.5	4337.9	4043.5	3540.3	2979.3	2566.6	2290.7	2140.0	2072.7
4597.6	15°	4602.2	4583.7	4446.9	3899.7	3162.4	2469.2	2091.3	1884.9	1787.6	1727.3
4822.5	17.5°	4827.1	4794.7	4528.0	3684.1	2752.1	2079.7	1799.2	1643.8	1558.0	1500.1
5116.9	20°	5119.2	5065.9	4592.9	3426.7	2374.1	1833.9	1602.1	1472.2	1407.3	1356.3
5534.3	22.5°	5527.3	5450.8	4671.8	3148.5	2107.5	1664.7	1456.0	1361.0	1307.6	1249.7
6116.2	25°	6032.7	5942.3	4769.2	2891.2	1924.4	1518.6	1349.4	1270.5	1207.9	1140.7
6879.0	27.5°	6739.9	6577.6	4885.1	2680.2	1766.7	1393.4	1252.0	1163.9	1092.0	1036.4
7743.8	30°	7528.2	7261.5	4987.1	2552.7	1622.9	1277.5	1124.5	1036.4	969.1	929.7
8520.5	32.5°	8274.7	7913.0	5054.3	2497.0	1493.1	1145.3	985.4	890.3	839.3	827.7
9280.9	35°	8979.5	8501.9	5047.4	2443.7	1377.2	1013.2	848.6	751.2	711.8	718.7
10099.4	37.5°	9791.0	9130.2	4998.7	2360.2	1282.1	892.6	730.3	644.5	609.8	612.1
11094.0	40°	10734.6	9855.9	4968.5	2202.6	1177.8	781.3	633.0	563.4	537.9	528.6
12142.0	42.5°	11740.9	10558.4	4973.2	2024.0	1048.0	681.6	565.7	507.8	484.6	477.6
13308.2	45°	12751.7	11228.5	4980.1	1838.6	911.2	605.1	517.0	468.3	454.4	445.2
14490.6	47.5°	13702.3	11798.8	4850.3	1639.2	776.7	547.2	477.6	445.2	433.6	422.0
15677.7	50°	14588.0	12179.1	4537.3	1407.3	670.0	500.8	447.5	424.3	412.7	401.1
16753.5	52.5°	15276.6	12239.4	4020.3	1168.5	595.9	466.0	428.9	408.1	394.1	382.6
17622.9	55°	15582.6	11861.4	3285.3	945.9	537.9	435.9	410.4	389.5	373.3	361.7
18306.9	57.5°	15503.8	11066.2	2561.9	760.5	482.2	405.7	387.2	373.3	354.7	336.2
18861.0	60°	15116.6	10002.0	1931.3	633.0	431.2	373.3	361.7	350.1	324.6	296.8
19074.3	62.5°	14446.6	8664.2	1377.2	524.0	375.6	336.2	331.5	322.3	285.2	234.2
18759.0	65°	13421.8	7039.0	927.4	435.9	322.3	294.4	296.8	280.5	231.8	173.9
17604.4	67.5°	11924.0	5147.1	593.5	357.0	268.9	245.8	248.1	238.8	197.1	148.4
15415.7	70°	10015.9	3408.2	387.2	271.3	215.6	190.1	204.0	206.3	166.9	120.6
11831.3	72.5°	7342.7	2012.5	271.3	201.7	157.7	132.2	166.9	171.6	134.5	90.4
7117.8	75°	4184.9	955.2	204.0	146.1	97.4	92.7	129.8	129.8	92.7	60.3
3081.3	77.5°	1757.4	398.8	143.7	95.1	55.6	53.3	88.1	81.1	46.4	27.8
751.2	80°	507.8	178.5	76.5	46.4	23.2	20.9	34.8	25.5	11.6	4.6
285.2	82.5°	199.4	78.8	30.1	18.5	9.3	9.3	4.6	0.0	0.0	0.0
162.3	85°	118.2	32.5	13.9	7.0	2.3	0.0	0.0	0.0	0.0	0.0
34.8	87.5°	30.1	7.0	4.6	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°
4022.6
3994.8
3823.2
3334.0
2647.7
2065.8
1729.6
1495.4
1347.0
1240.4
1133.7
1024.8
922.8
834.7
718.7
621.4
526.3
475.3
445.2
422.0
401.1
380.2
359.4
333.9
292.1
229.5
169.3
141.4
115.9
85.8
55.6
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