

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: P850137

Luminaire Tested: **GLAN-SB7C-730-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850137  
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-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

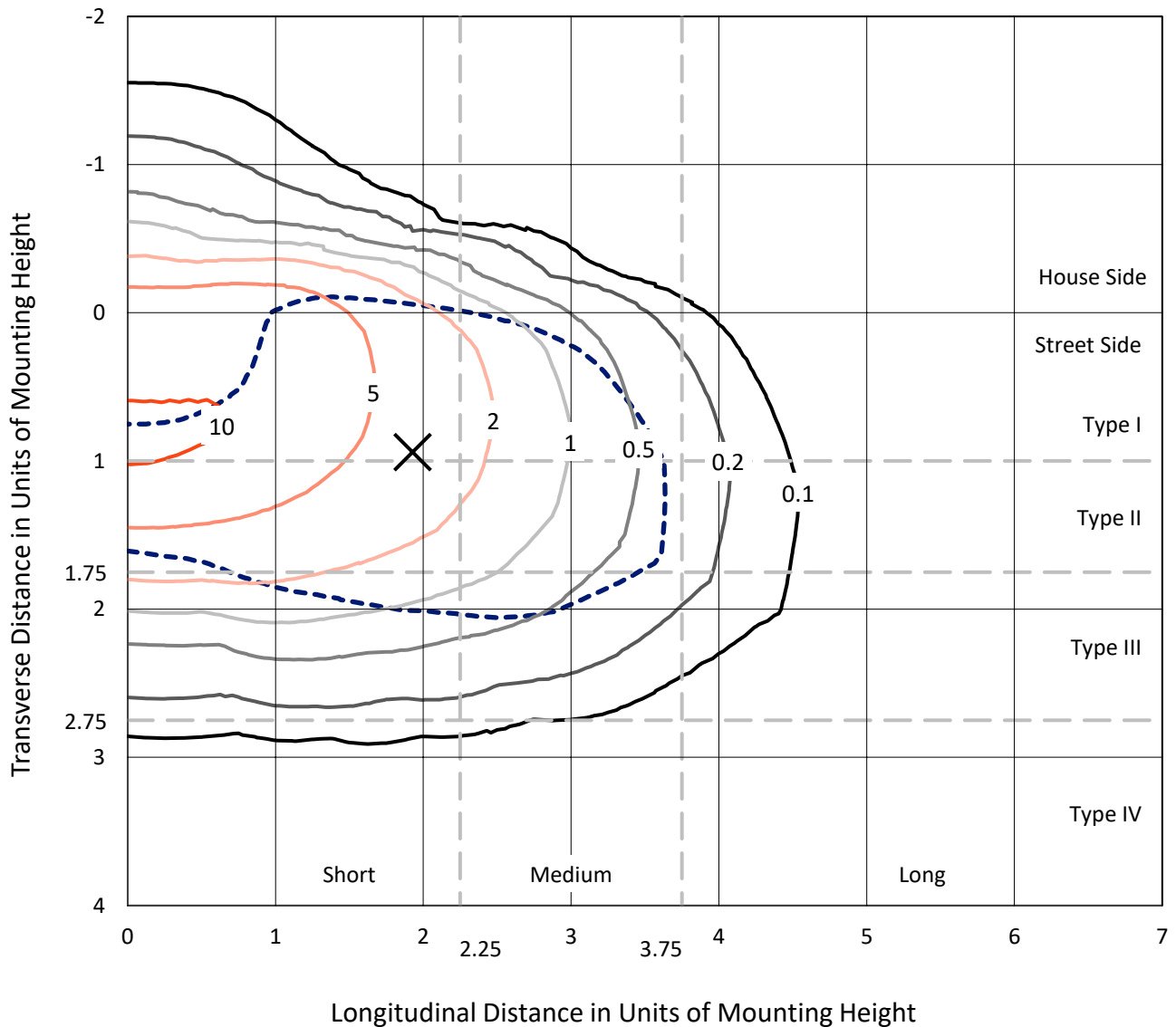
Lumens per Lamp: N/A  
Luminaire Lumens: 40349 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

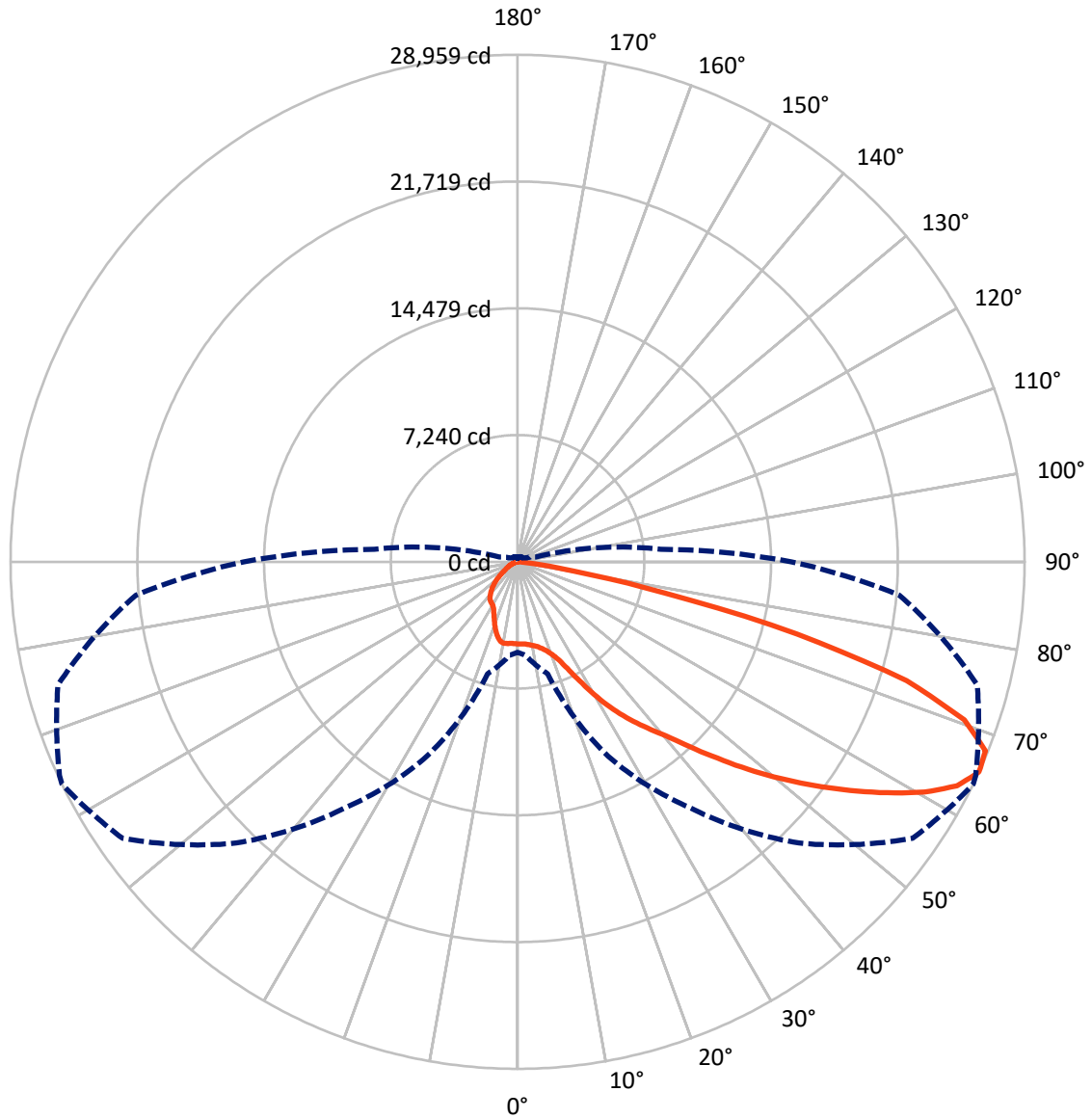
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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	5395.9	0.0	5395.9
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	34953.1	0.0	34953.1
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	40349.0	0.0	40349.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	433.0	1.1
10°-20°	1174.4	2.9
20°-30°	2225.3	5.5
30°-40°	4503.0	11.2
40°-50°	7670.8	19.0
50°-60°	10431.8	25.9
60°-70°	9796.0	24.3
70°-80°	3924.7	9.7
80°-90°	190.1	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°	40349.0	100.0
0°-180°	40349.0	100.0

**Coefficient of Utilization**



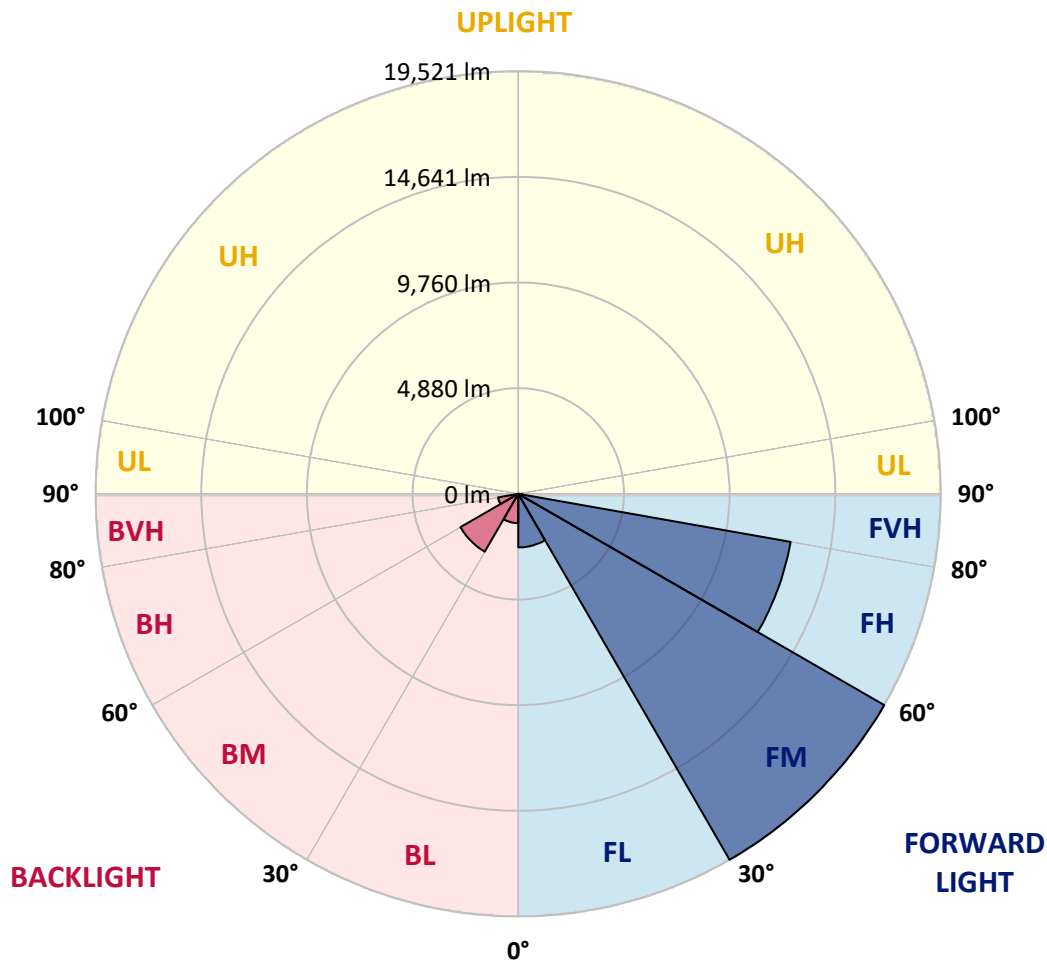
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2477.9	6.1			
FM (30°-60°)	19520.8	48.4			
FH (60°-80°)	12773.6	31.7			G5
FVH (80°-90°)	180.9	0.4			G2/225
BL (0°-30°)	1354.7	3.4	B3/2500		
BM (30°-60°)	3084.8	7.6	B3/5000		
BH (60°-80°)	947.1	2.3	B2/1000		G2/1000
BVH (80°-90°)	9.3	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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4693.0	4693.0	4693.0	4693.0	4693.0	4693.0	4693.0	4693.0	4693.0	4693.0
2.5°	4676.8	4709.2	4701.1	4693.0	4690.3	4695.7	4698.4	4695.7	4695.7	4695.7
5°	4587.5	4614.6	4614.6	4633.5	4660.5	4693.0	4717.4	4722.8	4728.2	4736.3
7.5°	4417.1	4438.7	4455.0	4517.2	4584.8	4671.4	4744.4	4782.3	4787.7	4817.4
10°	4300.8	4327.8	4354.9	4419.8	4517.2	4647.0	4771.4	4863.4	4876.9	4947.3
12.5°	4295.4	4322.4	4357.6	4427.9	4541.5	4679.5	4831.0	4963.5	4987.8	5090.6
15°	4352.2	4384.6	4417.1	4503.7	4625.4	4793.1	4955.4	5120.4	5144.7	5290.8
17.5°	4468.5	4511.8	4536.1	4622.7	4752.5	4939.2	5152.8	5342.2	5363.8	5534.2
20°	4698.4	4749.8	4757.9	4828.3	4955.4	5155.5	5409.8	5645.1	5672.2	5866.9
22.5°	5174.5	5247.5	5182.6	5217.8	5331.4	5531.5	5807.4	6105.0	6142.8	6364.6
25°	6013.0	6115.8	5948.1	5888.6	5937.3	6145.5	6491.8	6867.8	6911.0	7089.6
27.5°	7660.3	7527.7	7273.5	7024.6	6878.6	6997.6	7387.1	7852.3	7906.4	8079.5
30°	9469.9	9353.6	9010.0	8458.2	8112.0	8093.1	8452.8	8972.2	9034.4	9199.4
32.5°	11282.2	11171.3	10798.0	10119.0	9518.6	9221.0	9469.9	10046.0	10078.5	10184.0
35°	13064.7	12951.1	12577.8	11882.6	11144.2	10468.0	10419.3	11068.5	11079.3	11190.2
37.5°	14858.0	14763.4	14365.7	13684.1	12956.5	12023.3	11571.6	12036.8	12050.3	12158.5
40°	16137.5	16178.0	15904.8	15377.4	14752.5	13732.8	12864.5	13067.4	12986.2	13167.5
42.5°	17235.6	17316.8	17078.8	16813.7	16451.2	15553.2	14465.8	14430.7	14300.8	14398.2
45°	18185.1	18252.7	18039.0	17976.8	17968.7	17338.4	16215.9	16004.9	15823.7	15804.8
47.5°	18534.0	18663.8	18755.8	18964.1	19369.8	19104.7	18025.5	17698.2	17495.3	17346.5
50°	18666.5	18804.5	19118.3	19724.2	20684.4	20798.0	19826.9	19459.1	19210.2	18939.7
52.5°	18488.0	18734.2	19156.1	20175.9	21568.9	22155.9	21555.4	21233.5	20949.5	20508.6
55°	17435.8	17682.0	18544.8	20170.5	22009.8	23108.0	23189.1	23045.8	22726.6	22031.4
57.5°	15217.8	15582.9	16948.9	19483.4	22001.7	23927.6	24790.4	24893.2	24536.2	23540.8
60°	12145.0	12640.0	14306.2	17960.6	21322.8	24371.2	26194.3	26708.2	26329.5	25028.5
62.5°	8474.5	9047.9	10624.9	15574.8	19770.1	24052.0	27219.4	28168.9	27882.1	26359.3
65°	5169.1	5353.0	6624.3	12255.9	17130.2	22715.8	27535.9	28958.7	28864.0	27173.5
67.5°	3443.3	3597.5	3962.7	8404.1	13297.3	20046.0	26778.5	28820.7	28847.8	27040.9
70°	2074.7	2207.2	2445.2	4887.8	8617.8	15867.0	24433.4	27062.6	27219.4	25269.2
72.5°	854.7	944.0	1160.4	2215.3	4463.1	10070.4	19456.4	23235.1	23600.3	21247.0
75°	484.2	530.2	681.6	1111.7	1936.7	4693.0	11785.3	16494.5	17032.8	14644.3
77.5°	321.9	343.5	440.9	719.5	1090.1	1601.3	5036.5	8593.5	9621.3	7998.4
80°	216.4	235.3	302.9	481.5	708.7	687.0	1604.0	3183.7	3916.7	2748.2
82.5°	146.1	148.8	216.4	316.5	449.0	332.7	473.4	990.0	1244.3	795.2
85°	83.9	81.1	159.6	183.9	200.2	138.0	143.4	297.5	389.5	335.4
87.5°	10.8	16.2	62.2	48.7	27.0	29.8	29.8	51.4	75.7	81.1
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°
4693.0	0°	4693.0	4693.0	4693.0	4693.0	4693.0	4693.0	4693.0	4693.0	4693.0	4693.0
4698.4	2.5°	4698.4	4695.7	4687.6	4679.5	4660.5	4649.7	4655.1	4649.7	4647.0	4649.7
4733.6	5°	4733.6	4725.5	4703.8	4676.8	4638.9	4592.9	4563.2	4519.9	4479.3	4455.0
4828.3	7.5°	4828.3	4820.1	4790.4	4714.6	4592.9	4400.9	4225.1	4070.9	3954.6	3886.9
4979.7	10°	4979.7	4966.2	4920.2	4752.5	4433.3	4014.1	3665.1	3375.7	3186.4	3097.1
5158.3	12.5°	5158.3	5142.0	5060.9	4717.4	4130.4	3475.8	2994.3	2672.4	2496.6	2418.2
5363.8	15°	5369.2	5347.6	5188.0	4549.6	3689.5	2880.7	2439.8	2199.1	2085.5	2015.2
5626.2	17.5°	5631.6	5593.7	5282.7	4298.1	3210.7	2426.3	2099.0	1917.8	1817.7	1750.1
5969.7	20°	5972.4	5910.2	5358.4	3997.8	2769.8	2139.6	1869.1	1717.6	1641.9	1582.4
6456.6	22.5°	6448.5	6359.2	5450.4	3673.3	2458.8	1942.1	1698.7	1587.8	1525.6	1457.9
7135.5	25°	7038.2	6932.7	5564.0	3373.0	2245.1	1771.7	1574.3	1482.3	1409.3	1330.8
8025.4	27.5°	7863.2	7673.8	5699.2	3126.9	2061.1	1625.6	1460.6	1357.9	1274.0	1209.1
9034.4	30°	8782.8	8471.8	5818.2	2978.1	1893.4	1490.4	1311.9	1209.1	1130.6	1084.7
9940.5	32.5°	9653.8	9231.8	5896.7	2913.2	1742.0	1336.2	1149.6	1038.7	979.2	965.7
10827.7	35°	10476.1	9918.9	5888.6	2851.0	1606.7	1182.0	990.0	876.4	830.4	838.5
11782.6	37.5°	11422.8	10651.9	5831.8	2753.6	1495.8	1041.4	852.0	752.0	711.4	714.1
12943.0	40°	12523.7	11498.5	5796.6	2569.7	1374.1	911.6	738.4	657.3	627.5	616.7
14165.6	42.5°	13697.6	12318.1	5802.0	2361.4	1222.6	795.2	660.0	592.4	565.3	557.2
15526.1	45°	14877.0	13099.8	5810.1	2145.0	1063.0	706.0	603.2	546.4	530.2	519.3
16905.6	47.5°	15986.0	13765.3	5658.7	1912.4	906.1	638.4	557.2	519.3	505.8	492.3
18290.6	50°	17019.3	14208.9	5293.5	1641.9	781.7	584.3	522.0	495.0	481.5	467.9
19545.6	52.5°	17822.6	14279.2	4690.3	1363.3	695.2	543.7	500.4	476.1	459.8	446.3
20560.0	55°	18179.7	13838.3	3832.8	1103.6	627.5	508.5	478.8	454.4	435.5	422.0
21357.9	57.5°	18087.7	12910.5	2988.9	887.2	562.6	473.4	451.7	435.5	413.9	392.2
22004.4	60°	17636.0	11669.0	2253.2	738.4	503.1	435.5	422.0	408.4	378.7	346.2
22253.2	62.5°	16854.3	10108.2	1606.7	611.3	438.2	392.2	386.8	376.0	332.7	273.2
21885.4	65°	15658.7	8212.1	1082.0	508.5	376.0	343.5	346.2	327.3	270.5	202.9
20538.3	67.5°	13911.3	6004.9	692.5	416.6	313.8	286.7	289.4	278.6	229.9	173.1
17984.9	70°	11685.2	3976.2	451.7	316.5	251.6	221.8	238.0	240.7	194.8	140.7
13803.1	72.5°	8566.4	2347.9	316.5	235.3	183.9	154.2	194.8	200.2	156.9	105.5
8304.1	75°	4882.4	1114.4	238.0	170.4	113.6	108.2	151.5	151.5	108.2	70.3
3594.8	77.5°	2050.3	465.2	167.7	110.9	64.9	62.2	102.8	94.7	54.1	32.5
876.4	80°	592.4	208.3	89.3	54.1	27.0	24.3	40.6	29.8	13.5	5.4
332.7	82.5°	232.6	92.0	35.2	21.6	10.8	10.8	5.4	0.0	0.0	0.0
189.3	85°	138.0	37.9	16.2	8.1	2.7	0.0	0.0	0.0	0.0	0.0
40.6	87.5°	35.2	8.1	5.4	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°
4693.0
4660.5
4460.4
3889.7
3089.0
2410.1
2017.9
1744.7
1571.5
1447.1
1322.7
1195.6
1076.6
973.8
838.5
724.9
614.0
554.5
519.3
492.3
467.9
443.6
419.3
389.5
340.8
267.8
197.5
165.0
135.2
100.1
64.9
32.5
5.4
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