

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: P849037

Luminaire Tested: **GLAN-SB5D-850-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849037  
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-SB5D-850-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

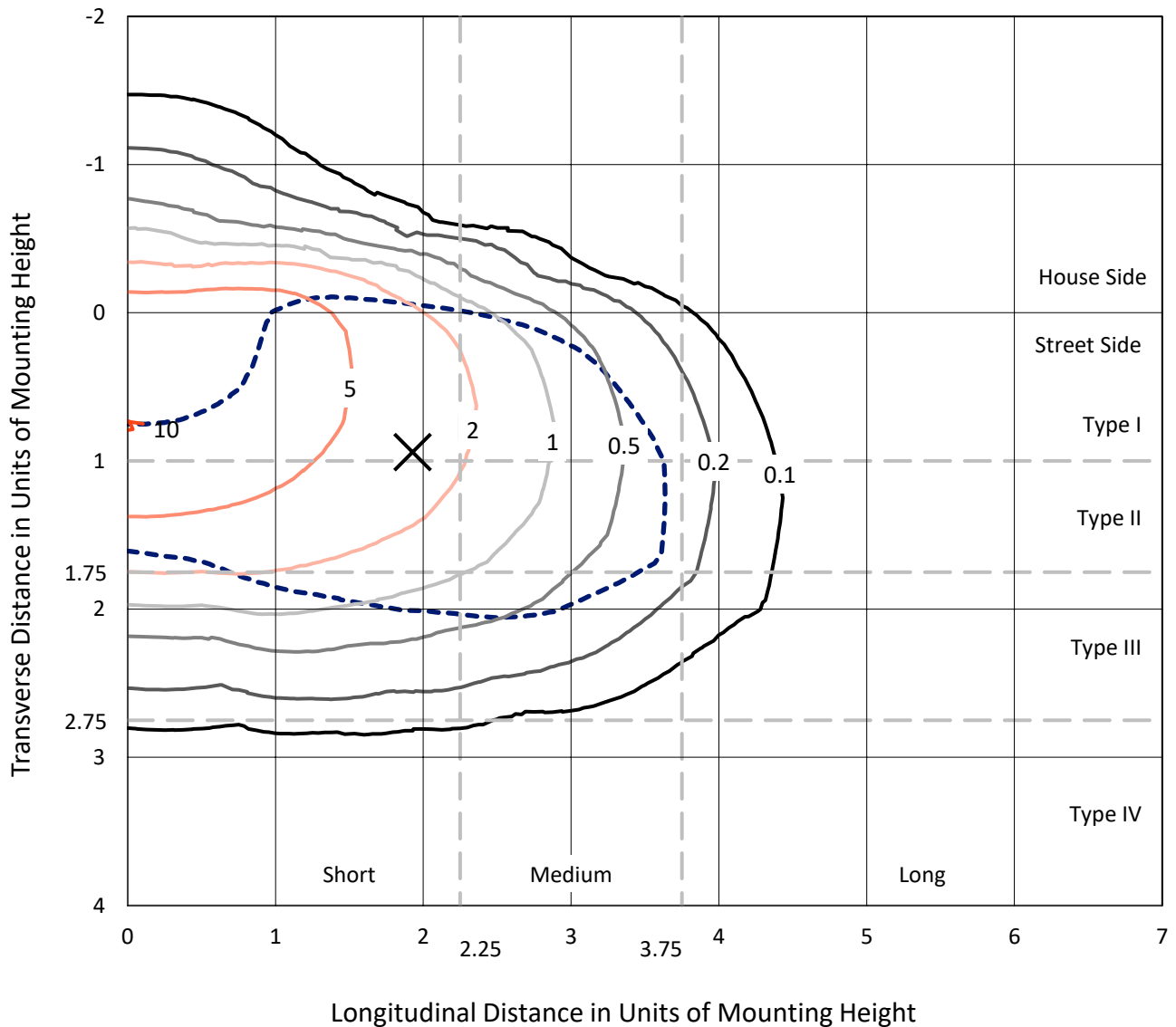
Lumens per Lamp: N/A  
Luminaire Lumens: 34616 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

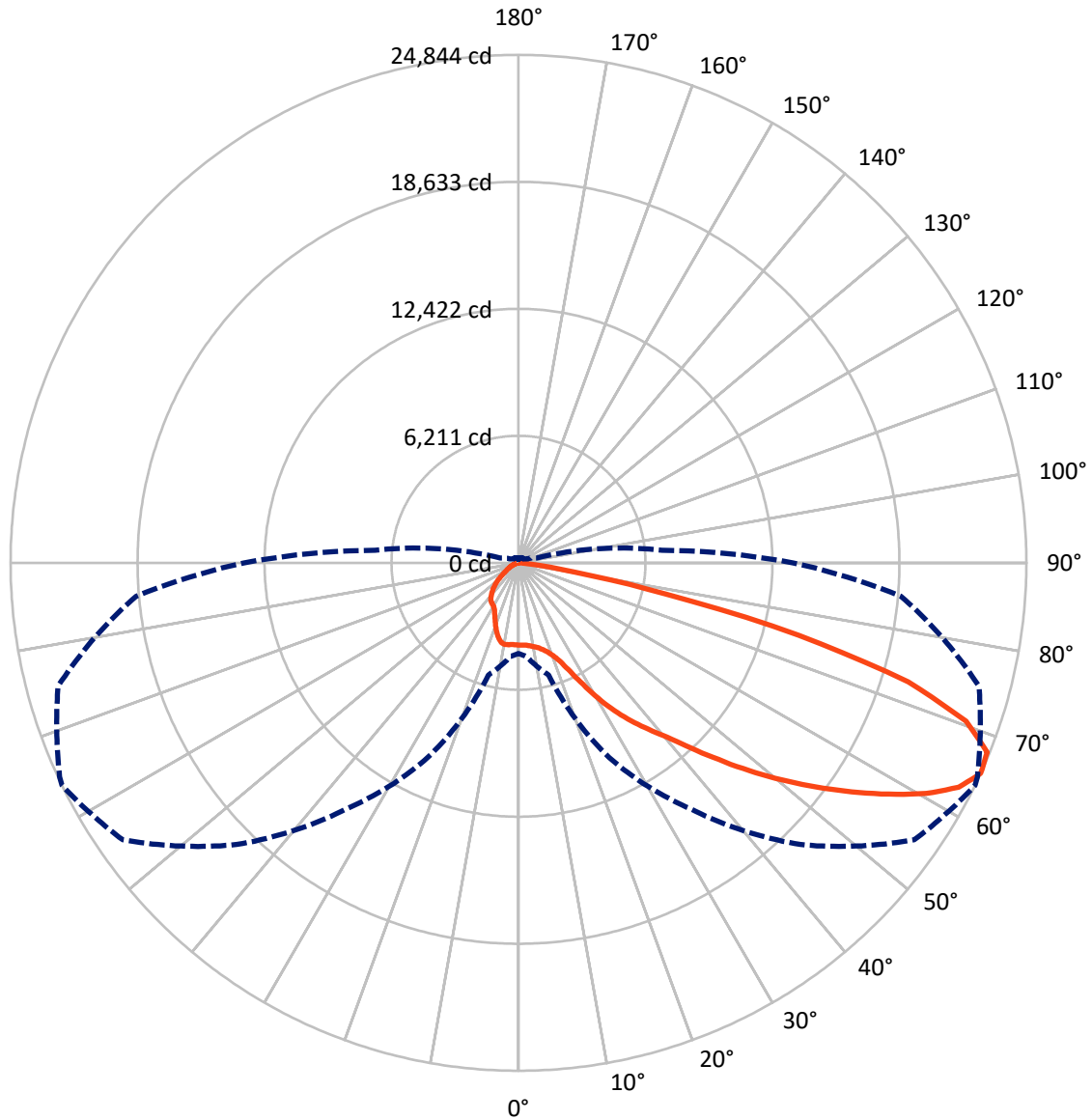
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	4629.2	0.0	4629.2
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	29986.8	0.0	29986.8
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	34616.0	0.0	34616.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.5	1.1
10°-20°	1007.5	2.9
20°-30°	1909.1	5.5
30°-40°	3863.2	11.2
40°-50°	6580.9	19.0
50°-60°	8949.6	25.9
60°-70°	8404.1	24.3
70°-80°	3367.0	9.7
80°-90°	163.1	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°	34616.0	100.0
0°-180°	34616.0	100.0

**Coefficient of Utilization**



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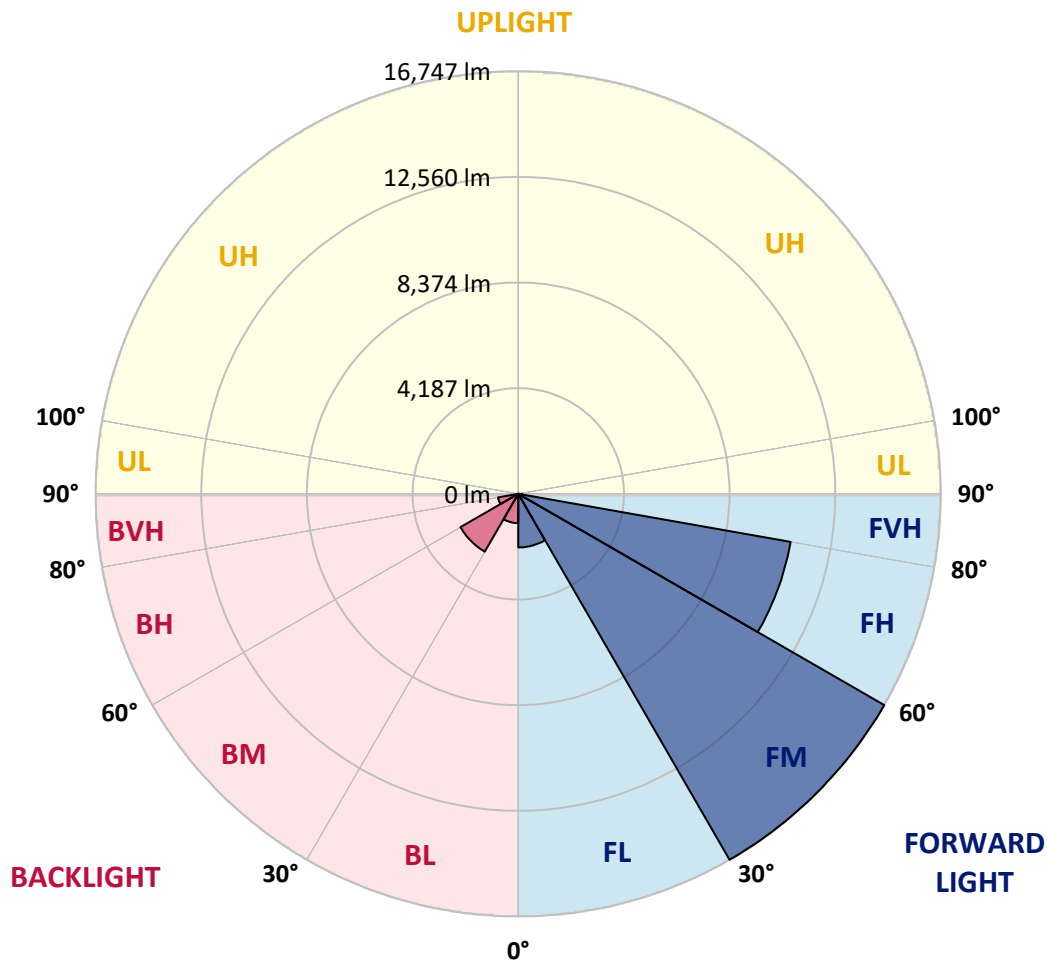
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2125.8	6.1			
FM (30°-60°)	16747.2	48.4			
FH (60°-80°)	10958.6	31.7			G4/12000
FVH (80°-90°)	155.2	0.4			G2/225
BL (0°-30°)	1162.3	3.4	B3/2500		
BM (30°-60°)	2646.5	7.6	B3/5000		
BH (60°-80°)	812.5	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°	4026.2	4026.2	4026.2	4026.2	4026.2	4026.2	4026.2	4026.2	4026.2	4026.2
2.5°	4012.3	4040.1	4033.2	4026.2	4023.9	4028.5	4030.8	4028.5	4028.5	4028.5
5°	3935.7	3958.9	3958.9	3975.1	3998.4	4026.2	4047.1	4051.7	4056.4	4063.3
7.5°	3789.5	3808.1	3822.0	3875.4	3933.4	4007.6	4070.3	4102.8	4107.4	4132.9
10°	3689.7	3712.9	3736.1	3791.8	3875.4	3986.8	4093.5	4172.4	4184.0	4244.3
12.5°	3685.1	3708.3	3738.4	3798.8	3896.2	4014.6	4144.5	4258.3	4279.1	4367.3
15°	3733.8	3761.7	3789.5	3863.8	3968.2	4112.1	4251.3	4392.9	4413.7	4539.0
17.5°	3833.6	3870.7	3891.6	3965.9	4077.3	4237.4	4420.7	4583.1	4601.7	4747.9
20°	4030.8	4074.9	4081.9	4142.2	4251.3	4423.0	4641.2	4843.0	4866.2	5033.3
22.5°	4439.3	4501.9	4446.2	4476.4	4573.9	4745.6	4982.3	5237.5	5270.0	5460.3
25°	5158.6	5246.8	5102.9	5051.9	5093.7	5272.3	5569.4	5891.9	5929.1	6082.2
27.5°	6571.9	6458.2	6240.0	6026.5	5901.2	6003.3	6337.5	6736.6	6783.0	6931.6
30°	8124.3	8024.6	7729.8	7256.4	6959.4	6943.2	7251.8	7697.4	7750.7	7892.3
32.5°	9679.1	9584.0	9263.7	8681.3	8166.1	7910.8	8124.3	8618.6	8646.5	8737.0
35°	11208.4	11110.9	10790.7	10194.3	9560.8	8980.6	8938.9	9495.8	9505.1	9600.2
37.5°	12746.9	12665.7	12324.6	11739.8	11115.6	10315.0	9927.4	10326.6	10338.2	10431.0
40°	13844.6	13879.4	13645.0	13192.5	12656.4	11781.6	11036.7	11210.7	11141.1	11296.6
42.5°	14786.7	14856.3	14652.1	14424.7	14113.7	13343.3	12410.4	12380.3	12268.9	12352.4
45°	15601.2	15659.3	15475.9	15422.6	15415.6	14874.9	13911.9	13730.9	13575.4	13559.1
47.5°	15900.6	16012.0	16090.9	16269.6	16617.6	16390.2	15464.3	15183.5	15009.5	14881.9
50°	16014.3	16132.6	16401.8	16921.6	17745.4	17842.9	17009.8	16694.2	16480.7	16248.7
52.5°	15861.1	16072.3	16434.3	17309.2	18504.3	19007.8	18492.7	18216.5	17972.9	17594.6
55°	14958.4	15169.6	15909.9	17304.5	18882.5	19824.7	19894.3	19771.3	19497.5	18901.1
57.5°	13055.6	13368.8	14540.7	16715.1	18875.6	20527.8	21268.1	21356.3	21049.9	20196.0
60°	10419.4	10844.1	12273.5	15408.6	18293.1	20908.4	22472.5	22913.4	22588.5	21472.3
62.5°	7270.4	7762.3	9115.2	13361.9	16961.1	20634.6	23352.0	24166.5	23920.5	22614.0
65°	4434.6	4592.4	5683.1	10514.5	14696.2	19488.2	23623.5	24844.1	24762.9	23312.5
67.5°	2954.1	3086.4	3399.6	7210.0	11408.0	17197.8	22973.7	24725.7	24748.9	23198.8
70°	1779.9	1893.6	2097.8	4193.3	7393.4	13612.5	20961.8	23217.4	23352.0	21678.8
72.5°	733.3	809.9	995.5	1900.6	3829.0	8639.5	16691.9	19933.8	20247.0	18228.1
75°	415.4	454.8	584.8	953.8	1661.5	4026.2	10110.8	14150.9	14612.7	12563.6
77.5°	276.1	294.7	378.3	617.3	935.2	1373.8	4320.9	7372.5	8254.3	6861.9
80°	185.6	201.9	259.9	413.1	608.0	589.4	1376.1	2731.3	3360.2	2357.7
82.5°	125.3	127.6	185.6	271.5	385.2	285.4	406.1	849.3	1067.5	682.2
85°	71.9	69.6	136.9	157.8	171.7	118.3	123.0	255.3	334.2	287.8
87.5°	9.3	13.9	53.4	41.8	23.2	25.5	25.5	44.1	65.0	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°
4026.2	0°	4026.2	4026.2	4026.2	4026.2	4026.2	4026.2	4026.2	4026.2	4026.2	4026.2
4030.8	2.5°	4030.8	4028.5	4021.6	4014.6	3998.4	3989.1	3993.7	3989.1	3986.8	3989.1
4061.0	5°	4061.0	4054.0	4035.5	4012.3	3979.8	3940.3	3914.8	3877.7	3842.9	3822.0
4142.2	7.5°	4142.2	4135.3	4109.7	4044.8	3940.3	3775.6	3624.7	3492.5	3392.7	3334.7
4272.2	10°	4272.2	4260.6	4221.1	4077.3	3803.4	3443.7	3144.4	2896.1	2733.6	2657.1
4425.3	12.5°	4425.3	4411.4	4341.8	4047.1	3543.5	2981.9	2568.9	2292.7	2141.9	2074.6
4601.7	15°	4606.3	4587.8	4450.9	3903.2	3165.3	2471.4	2093.2	1886.6	1789.2	1728.8
4826.8	17.5°	4831.4	4799.0	4532.1	3687.4	2754.5	2081.6	1800.8	1645.3	1559.4	1501.4
5121.5	20°	5123.8	5070.5	4597.1	3429.8	2376.3	1835.6	1603.5	1473.6	1408.6	1357.5
5539.2	22.5°	5532.3	5455.7	4676.0	3151.3	2109.4	1666.2	1457.3	1362.2	1308.8	1250.8
6121.7	25°	6038.1	5947.6	4773.4	2893.8	1926.1	1520.0	1350.6	1271.7	1209.0	1141.7
6885.2	27.5°	6745.9	6583.5	4889.5	2682.6	1768.3	1394.7	1253.1	1164.9	1093.0	1037.3
7750.7	30°	7534.9	7268.0	4991.6	2555.0	1624.4	1278.6	1125.5	1037.3	970.0	930.6
8528.1	32.5°	8282.1	7920.1	5058.9	2499.3	1494.5	1146.4	986.2	891.1	840.0	828.4
9289.3	35°	8987.6	8509.6	5051.9	2445.9	1378.4	1014.1	849.3	751.9	712.4	719.4
10108.4	37.5°	9799.8	9138.4	5003.2	2362.3	1283.3	893.4	731.0	645.1	610.3	612.6
11104.0	40°	10744.3	9864.8	4973.0	2204.5	1178.9	782.0	633.5	563.9	538.4	529.1
12152.9	42.5°	11751.4	10567.9	4977.6	2025.9	1048.9	682.2	566.2	508.2	485.0	478.0
13320.1	45°	12763.2	11238.6	4984.6	1840.2	912.0	605.7	517.5	468.8	454.8	445.6
14503.6	47.5°	13714.6	11809.4	4854.6	1640.6	777.4	547.7	478.0	445.6	433.9	422.3
15691.7	50°	14601.1	12190.0	4541.4	1408.6	670.6	501.2	447.9	424.7	413.1	401.5
16768.5	52.5°	15290.3	12250.3	4023.9	1169.6	596.4	466.4	429.3	408.4	394.5	382.9
17638.7	55°	15596.6	11872.1	3288.3	946.8	538.4	436.3	410.7	389.9	373.6	362.0
18323.3	57.5°	15517.7	11076.1	2564.2	761.1	482.7	406.1	387.5	373.6	355.0	336.5
18877.9	60°	15130.2	10011.0	1933.0	633.5	431.6	373.6	362.0	350.4	324.9	297.0
19091.4	62.5°	14459.5	8672.0	1378.4	524.5	375.9	336.5	331.8	322.6	285.4	234.4
18775.8	65°	13433.8	7045.3	928.2	436.3	322.6	294.7	297.0	280.8	232.1	174.0
17620.1	67.5°	11934.7	5151.7	594.1	357.4	269.2	246.0	248.3	239.0	197.2	148.5
15429.5	70°	10024.9	3411.2	387.5	271.5	215.8	190.3	204.2	206.5	167.1	120.7
11841.9	72.5°	7349.3	2014.3	271.5	201.9	157.8	132.3	167.1	171.7	134.6	90.5
7124.2	75°	4188.6	956.1	204.2	146.2	97.5	92.8	130.0	130.0	92.8	60.3
3084.0	77.5°	1759.0	399.1	143.9	95.1	55.7	53.4	88.2	81.2	46.4	27.8
751.9	80°	508.2	178.7	76.6	46.4	23.2	20.9	34.8	25.5	11.6	4.6
285.4	82.5°	199.6	78.9	30.2	18.6	9.3	9.3	4.6	0.0	0.0	0.0
162.4	85°	118.3	32.5	13.9	7.0	2.3	0.0	0.0	0.0	0.0	0.0
34.8	87.5°	30.2	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°
4026.2
3998.4
3826.6
3337.0
2650.1
2067.6
1731.2
1496.8
1348.3
1241.5
1134.8
1025.7
923.6
835.4
719.4
621.9
526.8
475.7
445.6
422.3
401.5
380.6
359.7
334.2
292.4
229.7
169.4
141.6
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85.9
55.7
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