

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: P849467

Luminaire Tested: **GLAN-SB6C-735-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849467  
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-SB6C-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 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: 34951 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

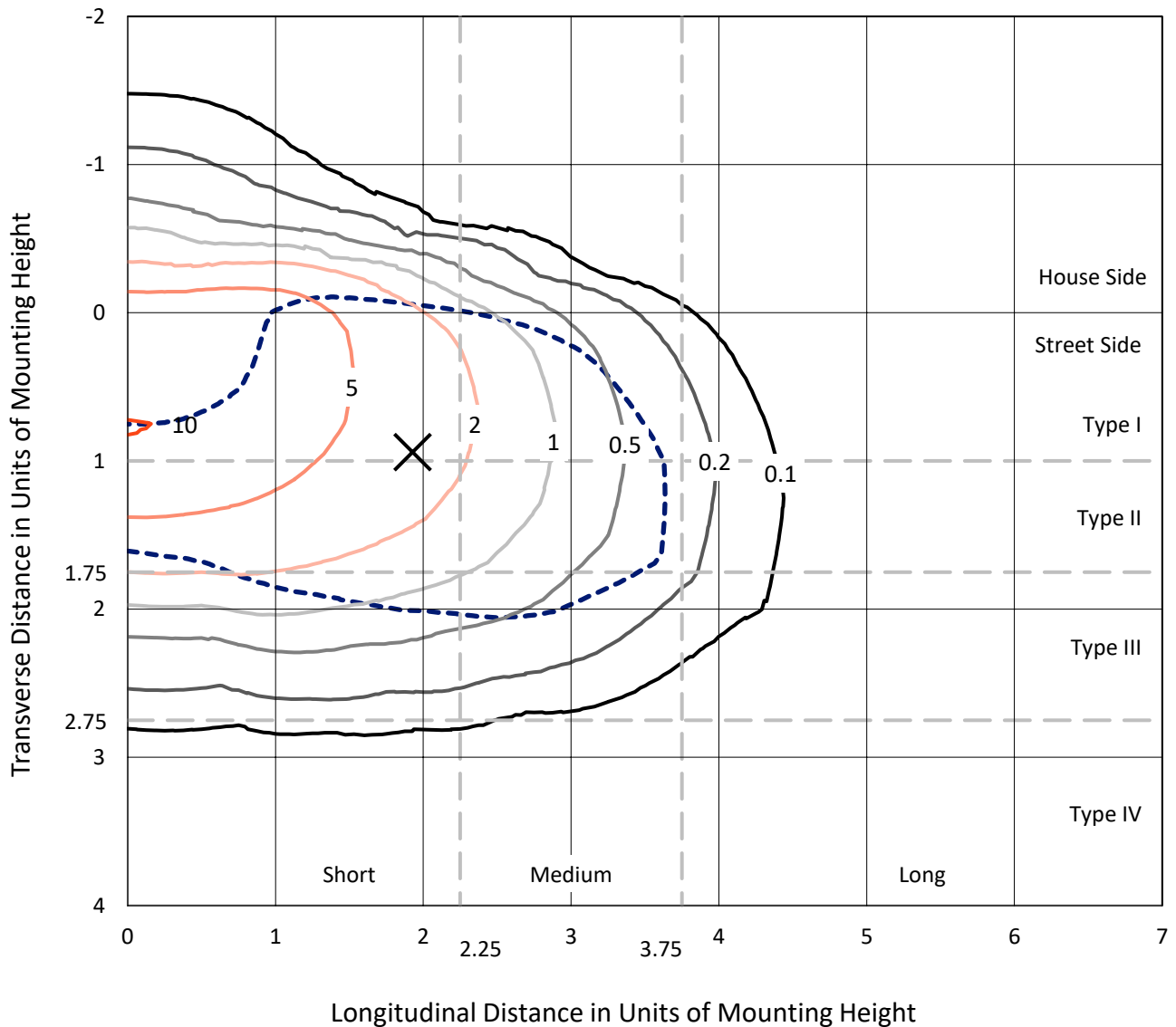
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

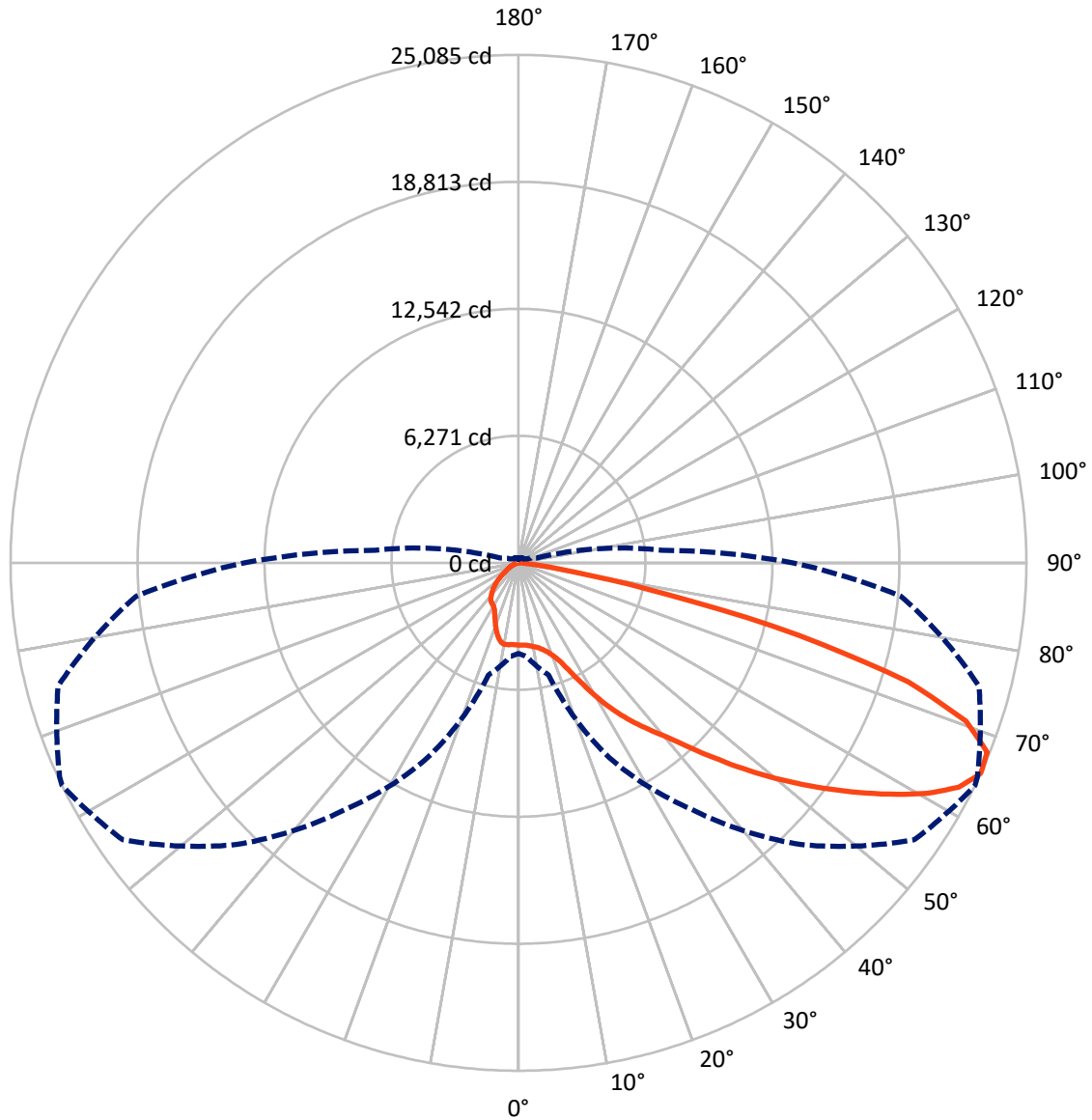
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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	4674.0	0.0	4674.0
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	30277.0	0.0	30277.0
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	34951.0	0.0	34951.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.1	1.1
10°-20°	1017.3	2.9
20°-30°	1927.6	5.5
30°-40°	3900.6	11.2
40°-50°	6644.6	19.0
50°-60°	9036.2	25.9
60°-70°	8485.4	24.3
70°-80°	3399.6	9.7
80°-90°	164.7	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°	34951.0	100.0
0°-180°	34951.0	100.0

**Coefficient of Utilization**



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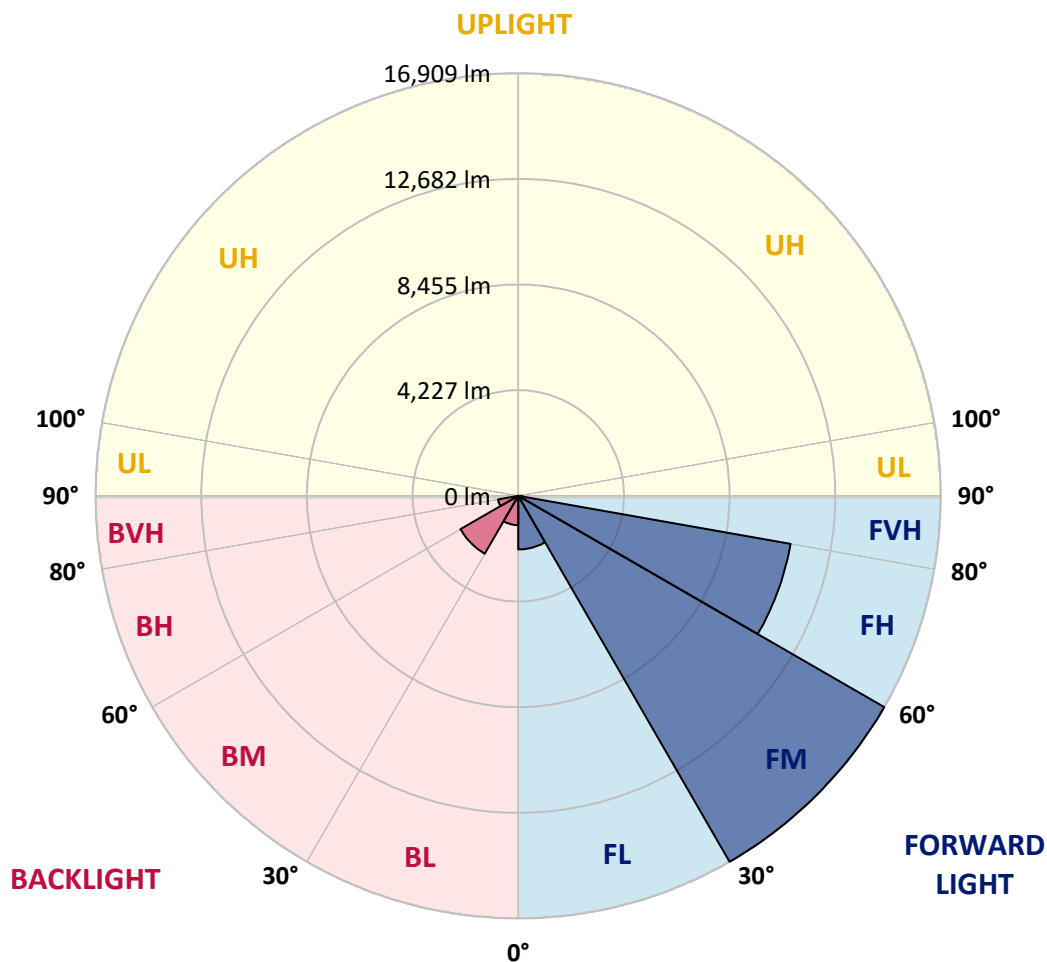
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2146.4	6.1			
FM (30°-60°)	16909.3	48.4			
FH (60°-80°)	11064.7	31.7			G4/12000
FVH (80°-90°)	156.7	0.4			G2/225
BL (0°-30°)	1173.5	3.4	B3/2500		
BM (30°-60°)	2672.1	7.6	B3/5000		
BH (60°-80°)	820.4	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°	4065.2	4065.2	4065.2	4065.2	4065.2	4065.2	4065.2	4065.2	4065.2	4065.2
2.5°	4051.1	4079.2	4072.2	4065.2	4062.8	4067.5	4069.9	4067.5	4067.5	4067.5
5°	3973.8	3997.2	3997.2	4013.6	4037.0	4065.2	4086.3	4090.9	4095.6	4102.7
7.5°	3826.2	3844.9	3859.0	3912.9	3971.4	4046.4	4109.7	4142.5	4147.2	4172.9
10°	3725.4	3748.9	3772.3	3828.5	3912.9	4025.3	4133.1	4212.8	4224.5	4285.4
12.5°	3720.7	3744.2	3774.6	3835.5	3934.0	4053.4	4184.7	4299.5	4320.6	4409.6
15°	3769.9	3798.1	3826.2	3901.2	4006.6	4151.9	4292.4	4435.4	4456.5	4583.0
17.5°	3870.7	3908.2	3929.3	4004.2	4116.7	4278.4	4463.5	4627.5	4646.2	4793.8
20°	4069.9	4114.4	4121.4	4182.3	4292.4	4465.8	4686.1	4889.9	4913.3	5082.0
22.5°	4482.2	4545.5	4489.3	4519.7	4618.1	4791.5	5030.5	5288.2	5321.0	5513.2
25°	5208.6	5297.6	5152.3	5100.8	5143.0	5323.4	5623.3	5949.0	5986.5	6141.1
27.5°	6635.5	6520.7	6300.4	6084.9	5958.3	6061.4	6398.8	6801.8	6848.7	6998.6
30°	8203.0	8102.2	7804.6	7326.7	7026.8	7010.4	7322.0	7771.8	7825.7	7968.7
32.5°	9772.8	9676.7	9353.4	8765.3	8245.1	7987.4	8203.0	8702.0	8730.1	8821.5
35°	11316.9	11218.4	10895.1	10292.9	9653.3	9067.5	9025.4	9587.7	9597.1	9693.1
37.5°	12870.3	12788.3	12443.9	11853.4	11223.1	10414.8	10023.5	10426.5	10438.2	10531.9
40°	13978.5	14013.7	13777.0	13320.1	12778.9	11895.6	11143.5	11319.2	11248.9	11405.9
42.5°	14929.8	15000.1	14793.9	14564.3	14250.3	13472.4	12530.5	12500.1	12387.6	12472.0
45°	15752.2	15810.8	15625.7	15571.8	15564.8	15018.8	14046.5	13863.7	13706.7	13690.3
47.5°	16054.5	16166.9	16246.6	16427.0	16778.5	16548.9	15614.0	15330.5	15154.7	15025.9
50°	16169.3	16288.8	16560.6	17085.4	17917.2	18015.6	17174.4	16855.8	16640.2	16405.9
52.5°	16014.6	16227.9	16593.4	17476.7	18683.4	19191.8	18671.6	18392.8	18146.8	17764.9
55°	15103.2	15316.4	16063.8	17472.0	19065.3	20016.5	20086.8	19962.7	19686.2	19084.0
57.5°	13181.9	13498.2	14681.5	16876.9	19058.2	20726.5	21473.9	21562.9	21253.7	20391.4
60°	10520.2	10949.0	12392.3	15557.7	18470.1	21110.7	22689.9	23135.1	22807.1	21680.1
62.5°	7340.7	7837.4	9203.4	13491.2	17125.2	20834.3	23578.0	24400.4	24152.0	22832.9
65°	4477.5	4636.9	5738.1	10616.3	14838.4	19676.8	23852.1	25084.5	25002.5	23538.1
67.5°	2982.7	3116.2	3432.5	7279.8	11518.4	17364.2	23196.0	24965.0	24988.5	23423.3
70°	1797.1	1911.9	2118.1	4233.9	7464.9	13744.2	21164.6	23442.1	23578.0	21888.6
72.5°	740.4	817.7	1005.2	1918.9	3866.0	8723.1	16853.4	20126.7	20443.0	18404.5
75°	419.4	459.2	590.4	963.0	1677.6	4065.2	10208.6	14287.8	14754.1	12685.2
77.5°	278.8	297.6	381.9	623.2	944.2	1387.1	4362.7	7443.8	8334.2	6928.4
80°	187.4	203.8	262.4	417.1	613.9	595.1	1389.4	2757.8	3392.7	2380.5
82.5°	126.5	128.9	187.4	274.1	388.9	288.2	410.0	857.6	1077.8	688.9
85°	72.6	70.3	138.2	159.3	173.4	119.5	124.2	257.7	337.4	290.5
87.5°	9.4	14.1	53.9	42.2	23.4	25.8	25.8	44.5	65.6	70.3
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°
4065.2	0°	4065.2	4065.2	4065.2	4065.2	4065.2	4065.2	4065.2	4065.2	4065.2	4065.2
4069.9	2.5°	4069.9	4067.5	4060.5	4053.4	4037.0	4027.7	4032.4	4027.7	4025.3	4027.7
4100.3	5°	4100.3	4093.3	4074.5	4051.1	4018.3	3978.5	3952.7	3915.2	3880.1	3859.0
4182.3	7.5°	4182.3	4175.3	4149.5	4083.9	3978.5	3812.1	3659.8	3526.3	3425.5	3366.9
4313.5	10°	4313.5	4301.8	4262.0	4116.7	3840.2	3477.1	3174.8	2924.1	2760.1	2682.8
4468.2	12.5°	4468.2	4454.1	4383.8	4086.3	3577.8	3010.8	2593.7	2314.9	2162.6	2094.7
4646.2	15°	4650.9	4632.2	4493.9	3941.0	3195.9	2495.3	2113.4	1904.9	1806.5	1745.6
4873.5	17.5°	4878.2	4845.4	4575.9	3723.1	2781.2	2101.7	1818.2	1661.2	1574.5	1515.9
5171.1	20°	5173.4	5119.5	4641.6	3463.0	2399.3	1853.3	1619.0	1487.8	1422.2	1370.7
5592.8	22.5°	5585.8	5508.5	4721.2	3181.8	2129.8	1682.3	1471.4	1375.4	1321.5	1262.9
6180.9	25°	6096.6	6005.2	4819.6	2921.8	1944.7	1534.7	1363.6	1284.0	1220.7	1152.8
6951.8	27.5°	6811.2	6647.2	4936.8	2708.5	1785.4	1408.2	1265.2	1176.2	1103.6	1047.3
7825.7	30°	7607.8	7338.4	5039.9	2579.7	1640.1	1291.0	1136.4	1047.3	979.4	939.6
8610.7	32.5°	8362.3	7996.8	5107.8	2523.4	1508.9	1157.5	995.8	899.7	848.2	836.5
9379.2	35°	9074.6	8591.9	5100.8	2469.6	1391.8	1023.9	857.6	759.1	719.3	726.3
10206.3	37.5°	9894.6	9226.9	5051.6	2385.2	1295.7	902.1	738.1	651.4	616.2	618.6
11211.4	40°	10848.2	9960.2	5021.1	2225.9	1190.3	789.6	639.6	569.4	543.6	534.2
12270.5	42.5°	11865.1	10670.2	5025.8	2045.5	1059.1	688.9	571.7	513.1	489.7	482.7
13449.0	45°	12886.7	11347.3	5032.8	1858.0	920.8	611.5	522.5	473.3	459.2	449.9
14644.0	47.5°	13847.3	11923.7	4901.6	1656.5	784.9	553.0	482.7	449.9	438.1	426.4
15843.6	50°	14742.4	12308.0	4585.3	1422.2	677.1	506.1	452.2	428.8	417.1	405.3
16930.8	52.5°	15438.3	12368.9	4062.8	1180.9	602.2	470.9	433.5	412.4	398.3	386.6
17809.4	55°	15747.5	11987.0	3320.1	956.0	543.6	440.5	414.7	393.6	377.2	365.5
18500.6	57.5°	15667.9	11183.3	2589.1	768.5	487.4	410.0	391.3	377.2	358.5	339.7
19060.6	60°	15276.6	10107.8	1951.7	639.6	435.8	377.2	365.5	353.8	328.0	299.9
19276.1	62.5°	14599.4	8755.9	1391.8	529.5	379.6	339.7	335.1	325.7	288.2	236.6
18957.5	65°	13563.8	7113.5	937.2	440.5	325.7	297.6	299.9	283.5	234.3	175.7
17790.7	67.5°	12050.2	5201.5	599.8	360.8	271.8	248.4	250.7	241.3	199.2	150.0
15578.8	70°	10121.9	3444.3	391.3	274.1	217.9	192.1	206.2	208.5	168.7	121.8
11956.5	72.5°	7420.4	2033.8	274.1	203.8	159.3	133.6	168.7	173.4	135.9	91.4
7193.1	75°	4229.2	965.3	206.2	147.6	98.4	93.7	131.2	131.2	93.7	60.9
3113.9	77.5°	1776.0	403.0	145.3	96.1	56.2	53.9	89.0	82.0	46.9	28.1
759.1	80°	513.1	180.4	77.3	46.9	23.4	21.1	35.1	25.8	11.7	4.7
288.2	82.5°	201.5	79.7	30.5	18.7	9.4	9.4	4.7	0.0	0.0	0.0
164.0	85°	119.5	32.8	14.1	7.0	2.3	0.0	0.0	0.0	0.0	0.0
35.1	87.5°	30.5	7.0	4.7	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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<u>180°</u>
4065.2
4037.0
3863.7
3369.3
2675.7
2087.6
1747.9
1511.3
1361.3
1253.5
1145.7
1035.6
932.5
843.5
726.3
627.9
531.9
480.3
449.9
426.4
405.3
384.3
363.2
337.4
295.2
232.0
171.0
142.9
117.2
86.7
56.2
28.1
4.7
0.0
0.0
0.0
0.0

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