

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: P849457

Luminaire Tested: **GLAN-SB6C-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849457
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-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 34405 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

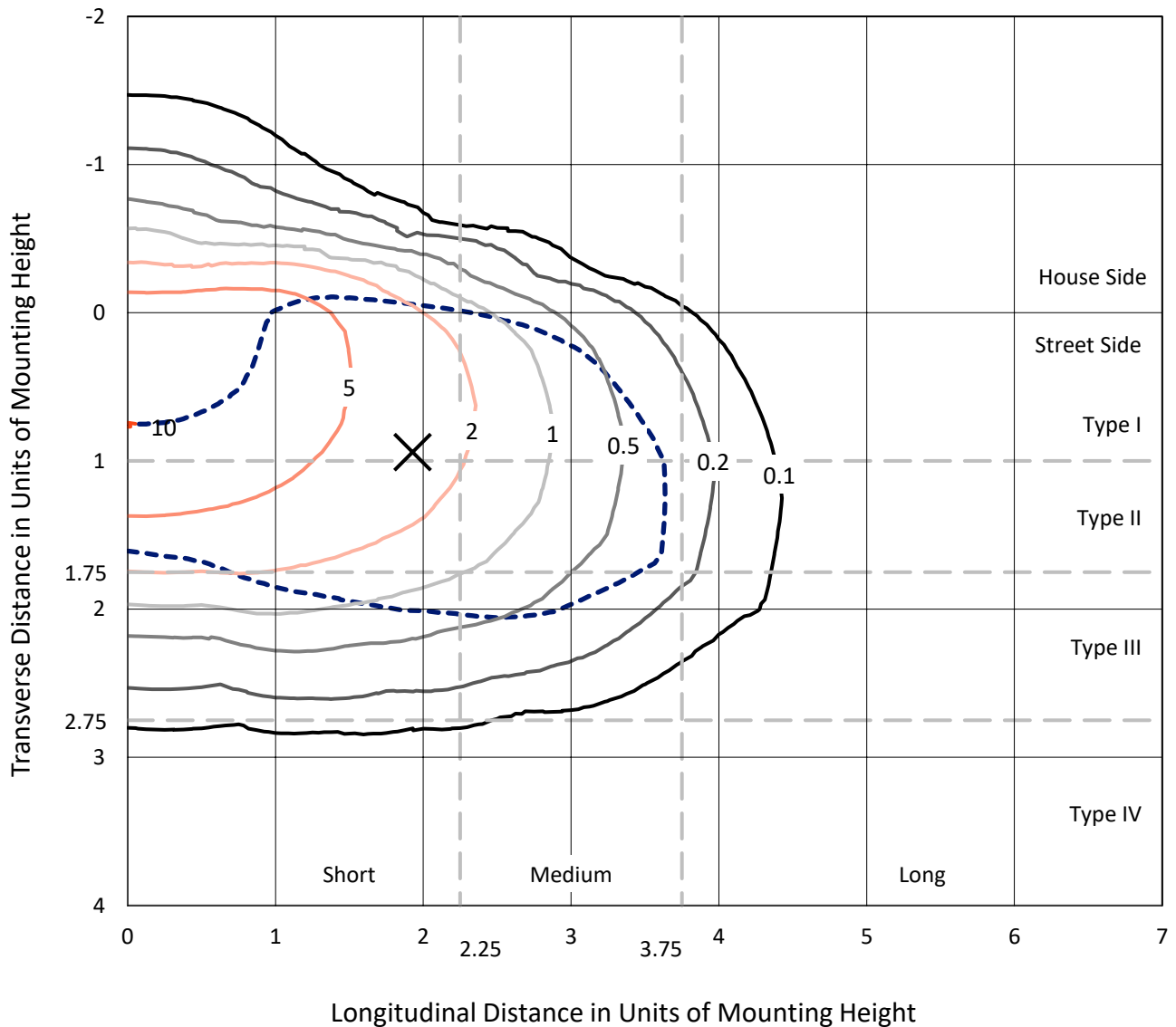
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

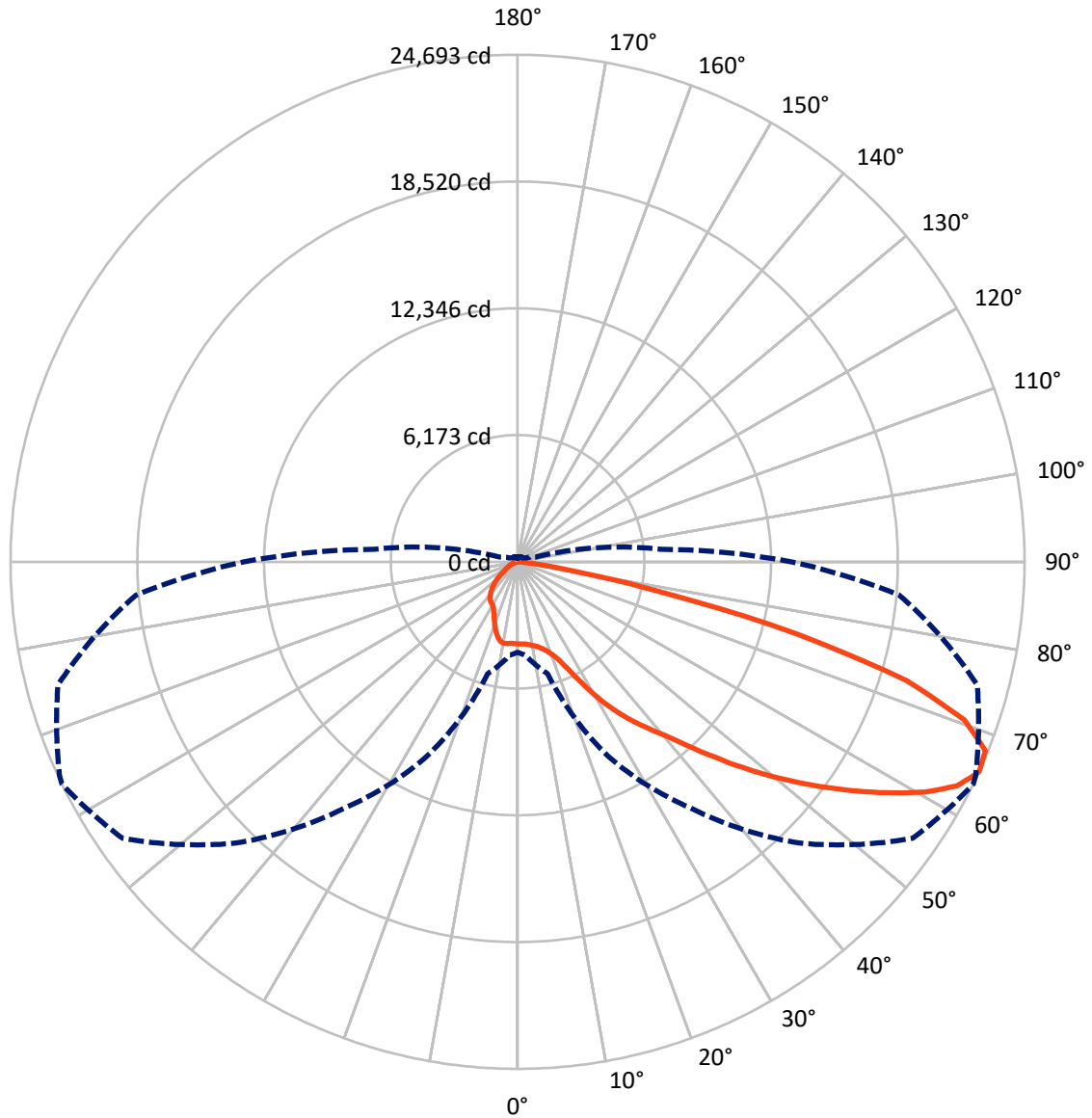
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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
House Side	Lumens	4601.0	0.0	4601.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	29804.0	0.0	29804.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	34405.0	0.0	34405.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.2	1.1
10°-20°	1001.4	2.9
20°-30°	1897.5	5.5
30°-40°	3839.6	11.2
40°-50°	6540.8	19.0
50°-60°	8895.0	25.9
60°-70°	8352.9	24.3
70°-80°	3346.5	9.7
80°-90°	162.1	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°	34405.0	100.0
0°-180°	34405.0	100.0

Coefficient of Utilization

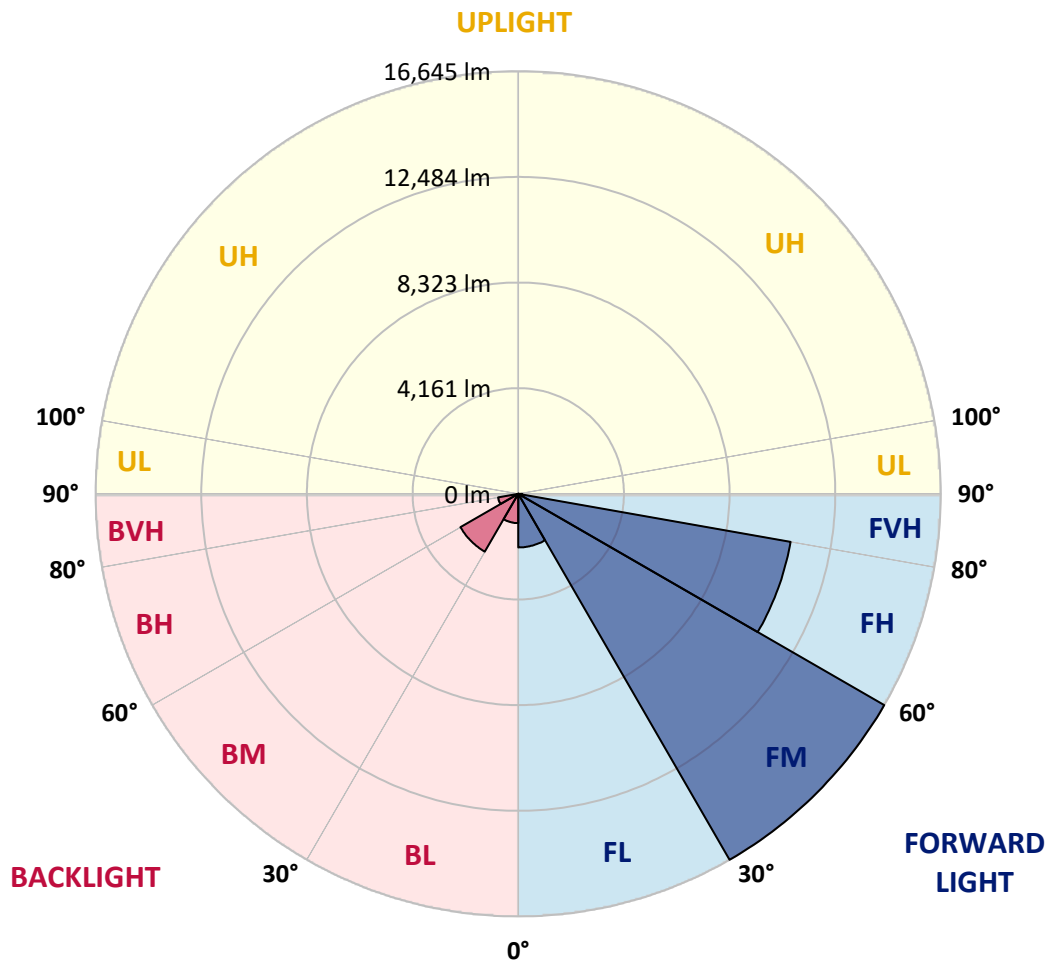


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2112.9	6.1			
FM (30°-60°)	16645.1	48.4			
FH (60°-80°)	10891.8	31.7			G4/12000
FVH (80°-90°)	154.2	0.4			G2/225
BL (0°-30°)	1155.2	3.4	B3/2500		
BM (30°-60°)	2630.4	7.6	B3/5000		
BH (60°-80°)	807.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.9	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°	4001.7	4001.7	4001.7	4001.7	4001.7	4001.7	4001.7	4001.7	4001.7	4001.7
2.5°	3987.8	4015.5	4008.6	4001.7	3999.4	4004.0	4006.3	4004.0	4004.0	4004.0
5°	3911.7	3934.8	3934.8	3950.9	3974.0	4001.7	4022.4	4027.0	4031.6	4038.6
7.5°	3766.4	3784.9	3798.7	3851.7	3909.4	3983.2	4045.5	4077.8	4082.4	4107.8
10°	3667.2	3690.3	3713.4	3768.7	3851.7	3962.4	4068.5	4147.0	4158.5	4218.5
12.5°	3662.6	3685.7	3715.7	3775.6	3872.5	3990.1	4119.3	4232.3	4253.1	4340.7
15°	3711.0	3738.7	3766.4	3840.2	3944.0	4087.0	4225.4	4366.1	4386.8	4511.4
17.5°	3810.2	3847.1	3867.9	3941.7	4052.4	4211.5	4393.8	4555.2	4573.7	4719.0
20°	4006.3	4050.1	4057.0	4117.0	4225.4	4396.1	4612.9	4813.5	4836.6	5002.7
22.5°	4412.2	4474.5	4419.1	4449.1	4546.0	4716.7	4951.9	5205.6	5237.9	5427.0
25°	5127.2	5214.8	5071.8	5021.1	5062.6	5240.2	5535.4	5856.0	5892.9	6045.2
27.5°	6531.8	6418.8	6202.0	5989.8	5865.3	5966.7	6298.9	6695.6	6741.7	6889.3
30°	8074.8	7975.6	7682.7	7212.2	6917.0	6900.8	7207.6	7650.4	7703.5	7844.2
32.5°	9620.1	9525.6	9207.3	8628.4	8116.3	7862.6	8074.8	8566.1	8593.8	8683.7
35°	11140.1	11043.2	10724.9	10132.2	9502.5	8925.9	8884.4	9437.9	9447.1	9541.7
37.5°	12669.2	12588.5	12249.5	11668.2	11047.8	10252.1	9866.9	10263.6	10275.2	10367.4
40°	13760.2	13794.8	13561.8	13112.1	12579.3	11709.8	10969.4	11142.4	11073.2	11227.7
42.5°	14696.6	14765.8	14562.8	14336.8	14027.7	13262.0	12334.8	12304.8	12194.1	12277.1
45°	15506.1	15563.8	15381.6	15328.5	15321.6	14784.2	13827.1	13647.2	13492.6	13476.5
47.5°	15803.7	15914.4	15992.8	16170.4	16516.4	16290.3	15370.1	15091.0	14918.0	14791.1
50°	15916.7	16034.3	16301.9	16818.5	17637.3	17734.2	16906.1	16592.5	16380.3	16149.6
52.5°	15764.5	15974.3	16334.1	17203.7	18391.5	18892.0	18380.0	18105.5	17863.3	17487.4
55°	14867.3	15077.1	15812.9	17199.1	18767.4	19703.8	19773.0	19650.8	19378.6	18785.9
57.5°	12976.0	13287.4	14452.1	16613.2	18760.5	20402.7	21138.4	21226.1	20921.6	20072.9
60°	10355.9	10778.0	12198.7	15314.7	18181.6	20780.9	22335.5	22773.7	22450.8	21341.4
62.5°	7226.1	7715.0	9059.7	13280.4	16857.7	20508.8	23209.6	24019.2	23774.7	22476.2
65°	4407.6	4564.4	5648.5	10450.4	14606.6	19369.4	23479.5	24692.7	24611.9	23170.4
67.5°	2936.1	3067.6	3378.9	7166.1	11338.4	17093.0	22833.7	24575.0	24598.1	23057.4
70°	1769.0	1882.0	2085.0	4167.7	7348.3	13529.5	20834.0	23075.8	23209.6	21546.7
72.5°	728.8	804.9	989.5	1889.0	3805.6	8586.8	16590.2	19812.2	20123.6	18117.0
75°	412.9	452.1	581.2	947.9	1651.4	4001.7	10049.1	14064.6	14523.6	12487.0
77.5°	274.5	292.9	375.9	613.5	929.5	1365.4	4294.6	7327.5	8204.0	6820.1
80°	184.5	200.7	258.3	410.5	604.3	585.8	1367.7	2714.7	3339.7	2343.3
82.5°	124.5	126.9	184.5	269.9	382.9	283.7	403.6	844.2	1061.0	678.1
85°	71.5	69.2	136.1	156.8	170.7	117.6	122.2	253.7	332.1	286.0
87.5°	9.2	13.8	53.0	41.5	23.1	25.4	25.4	43.8	64.6	69.2
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°
4001.7	0°	4001.7	4001.7	4001.7	4001.7	4001.7	4001.7	4001.7	4001.7	4001.7	4001.7
4006.3	2.5°	4006.3	4004.0	3997.0	3990.1	3974.0	3964.8	3969.4	3964.8	3962.4	3964.8
4036.3	5°	4036.3	4029.3	4010.9	3987.8	3955.5	3916.3	3891.0	3854.0	3819.5	3798.7
4117.0	7.5°	4117.0	4110.1	4084.7	4020.1	3916.3	3752.6	3602.6	3471.2	3372.0	3314.3
4246.1	10°	4246.1	4234.6	4195.4	4052.4	3780.2	3422.7	3125.2	2878.4	2717.0	2640.9
4398.4	12.5°	4398.4	4384.5	4315.3	4022.4	3521.9	2963.8	2553.2	2278.8	2128.8	2061.9
4573.7	15°	4578.3	4559.8	4423.7	3879.4	3146.0	2456.3	2080.4	1875.1	1778.3	1718.3
4797.4	17.5°	4802.0	4769.7	4504.5	3664.9	2737.7	2068.9	1789.8	1635.3	1549.9	1492.3
5090.3	20°	5092.6	5039.6	4569.0	3408.9	2361.8	1824.4	1593.7	1464.6	1400.0	1349.3
5505.5	22.5°	5498.5	5422.4	4647.5	3132.1	2096.5	1656.0	1448.4	1353.9	1300.8	1243.2
6084.4	25°	6001.3	5911.4	4744.3	2876.1	1914.3	1510.7	1342.3	1263.9	1201.7	1134.8
6843.2	27.5°	6704.8	6543.3	4859.7	2666.2	1757.5	1386.2	1245.5	1157.8	1086.3	1031.0
7703.5	30°	7489.0	7223.7	4961.1	2539.4	1614.5	1270.8	1118.6	1031.0	964.1	924.9
8476.1	32.5°	8231.7	7871.9	5028.0	2484.0	1485.3	1139.4	980.2	885.7	834.9	823.4
9232.6	35°	8932.8	8457.7	5021.1	2431.0	1370.0	1007.9	844.2	747.3	708.1	715.0
10046.8	37.5°	9740.1	9082.7	4972.7	2347.9	1275.5	888.0	726.5	641.2	606.6	608.9
11036.3	40°	10678.8	9804.6	4942.7	2191.1	1171.7	777.3	629.7	560.5	535.1	525.9
12078.8	42.5°	11679.8	10503.5	4947.3	2013.5	1042.5	678.1	562.8	505.1	482.0	475.1
13238.9	45°	12685.4	11170.0	4954.2	1829.0	906.4	602.0	514.3	465.9	452.1	442.8
14415.2	47.5°	13631.0	11737.4	4825.1	1630.6	772.7	544.3	475.1	442.8	431.3	419.8
15596.1	50°	14512.1	12115.7	4513.7	1400.0	666.6	498.2	445.1	422.1	410.5	399.0
16666.3	52.5°	15197.1	12175.7	3999.4	1162.4	592.8	463.6	426.7	405.9	392.1	380.6
17531.2	55°	15501.5	11799.7	3268.2	941.0	535.1	433.6	408.2	387.5	371.3	359.8
18211.6	57.5°	15423.1	11008.6	2548.6	756.5	479.7	403.6	385.2	371.3	352.9	334.4
18762.8	60°	15037.9	9949.9	1921.3	629.7	429.0	371.3	359.8	348.3	322.9	295.2
18975.0	62.5°	14371.4	8619.1	1370.0	521.3	373.6	334.4	329.8	320.6	283.7	232.9
18661.3	65°	13351.9	7002.3	922.6	433.6	320.6	292.9	295.2	279.1	230.6	173.0
17512.7	67.5°	11862.0	5120.3	590.4	355.2	267.5	244.5	246.8	237.6	196.0	147.6
15335.5	70°	9963.8	3390.5	385.2	269.9	214.5	189.1	203.0	205.3	166.1	119.9
11769.7	72.5°	7304.5	2002.0	269.9	200.7	156.8	131.5	166.1	170.7	133.8	90.0
7080.7	75°	4163.1	950.2	203.0	145.3	96.9	92.3	129.2	129.2	92.3	60.0
3065.2	77.5°	1748.3	396.7	143.0	94.6	55.4	53.0	87.6	80.7	46.1	27.7
747.3	80°	505.1	177.6	76.1	46.1	23.1	20.8	34.6	25.4	11.5	4.6
283.7	82.5°	198.4	78.4	30.0	18.5	9.2	9.2	4.6	0.0	0.0	0.0
161.5	85°	117.6	32.3	13.8	6.9	2.3	0.0	0.0	0.0	0.0	0.0
34.6	87.5°	30.0	6.9	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°
4001.7
3974.0
3803.3
3316.6
2633.9
2055.0
1720.6
1487.6
1340.0
1233.9
1127.8
1019.4
918.0
830.3
715.0
618.1
523.6
472.8
442.8
419.8
399.0
378.3
357.5
332.1
290.6
228.3
168.4
140.7
115.3
85.3
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