

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: P852682

Luminaire Tested: **GLAN-SB5C-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24594 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

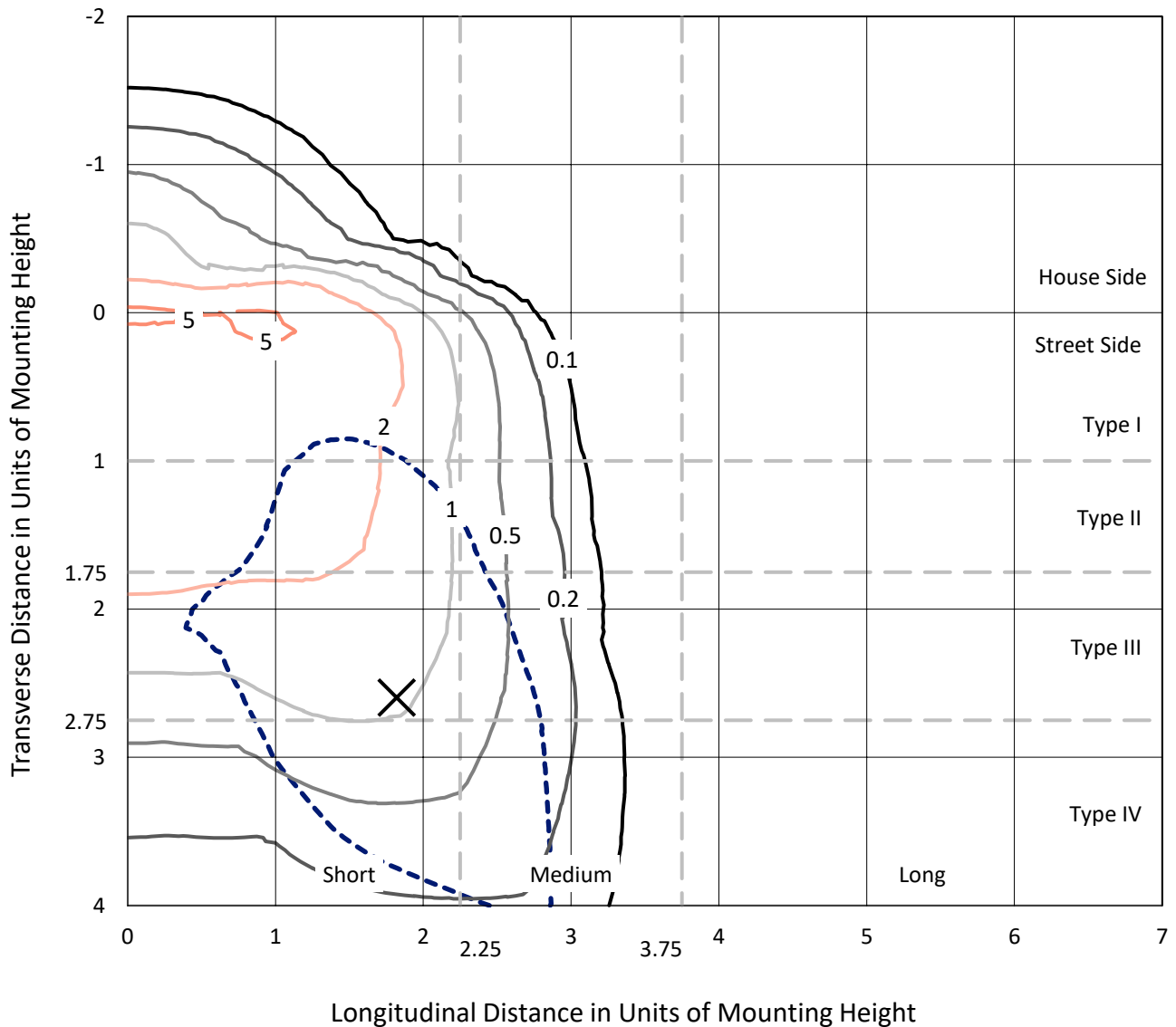
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

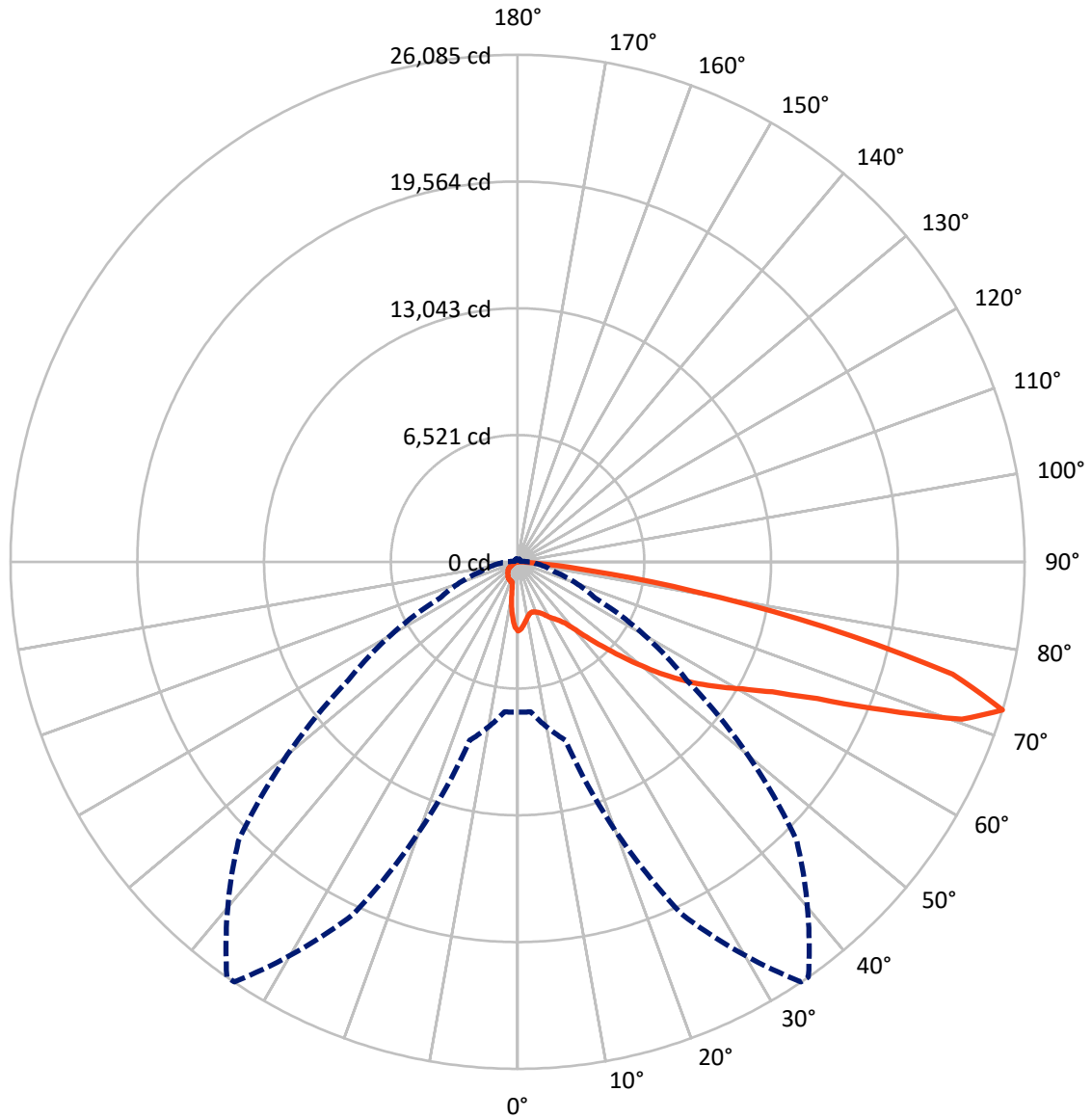
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2767.9	0.0	2767.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	21826.1	0.0	21826.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	24594.0	0.0	24594.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.9	1.2
10°-20°	685.2	2.8
20°-30°	1113.1	4.5
30°-40°	1857.2	7.6
40°-50°	3513.9	14.3
50°-60°	5583.6	22.7
60°-70°	6907.3	28.1
70°-80°	4293.6	17.5
80°-90°	347.0	1.4
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°	24594.0	100.0
0°-180°	24594.0	100.0

Coefficient of Utilization

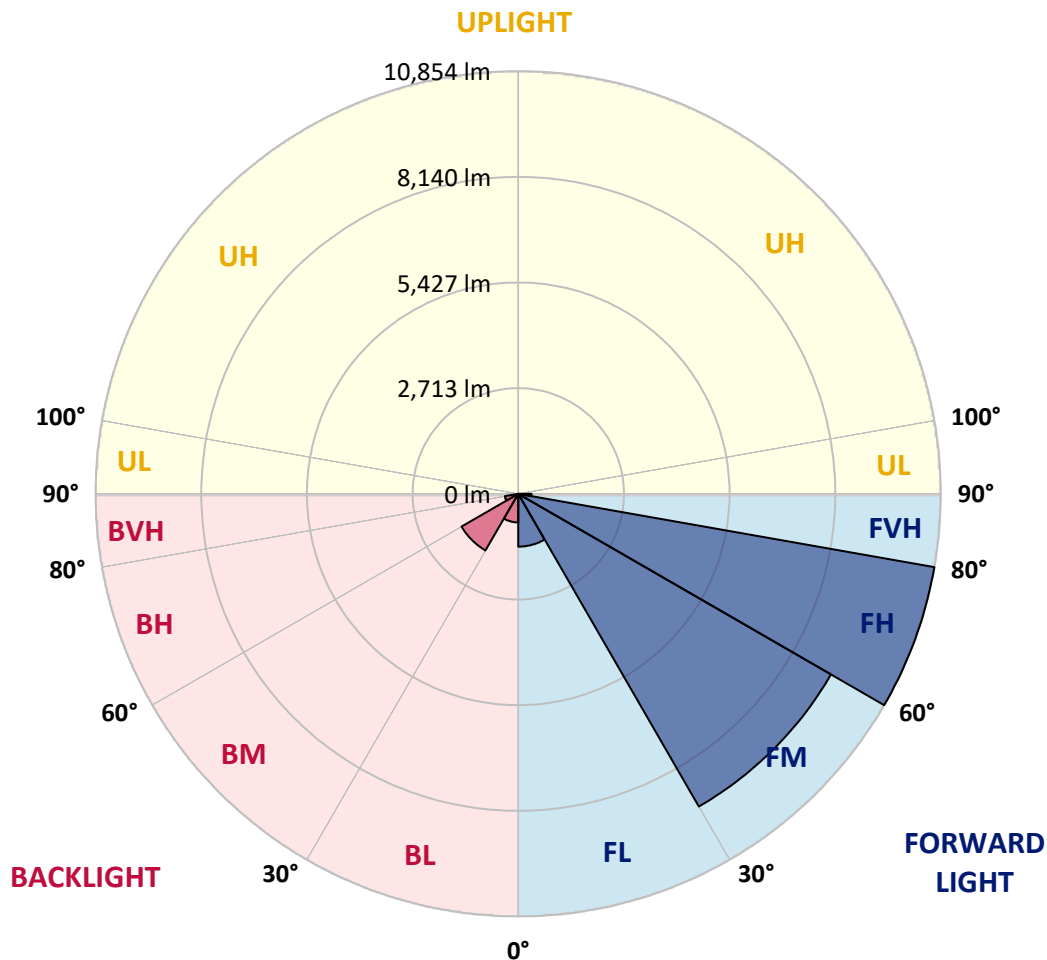


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1355.8	5.5			
FM (30°-60°)	9274.4	37.7			
FH (60°-80°)	10853.6	44.1			G4/12000
FVH (80°-90°)	342.3	1.4			G3/500
BL (0°-30°)	735.5	3.0	B2/1000		
BM (30°-60°)	1680.4	6.8	B2/2500		
BH (60°-80°)	347.3	1.4	B1/500		G1/500
BVH (80°-90°)	4.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3564.5	3564.5	3564.5	3564.5	3564.5	3564.5	3564.5	3564.5	3564.5	3564.5
2.5°	3405.9	3434.7	3440.2	3449.2	3449.2	3460.0	3478.0	3503.2	3544.7	3566.3
5°	3139.2	3160.8	3187.9	3209.5	3250.9	3256.3	3326.6	3395.1	3490.6	3562.7
7.5°	2870.7	2895.9	2932.0	2984.2	3038.3	3054.5	3160.8	3276.2	3427.5	3562.7
10°	2681.5	2683.3	2715.7	2768.0	2854.5	2874.3	3004.1	3168.0	3357.3	3541.1
12.5°	2575.2	2587.8	2602.2	2641.8	2724.7	2737.3	2876.1	3068.9	3287.0	3528.5
15°	2575.2	2584.2	2593.2	2613.0	2679.7	2690.5	2813.0	3005.9	3250.9	3533.9
17.5°	2602.2	2616.6	2609.4	2632.8	2703.1	2710.3	2818.4	2987.8	3249.1	3568.1
20°	2667.1	2677.9	2663.5	2677.9	2748.2	2762.6	2874.3	3022.1	3279.8	3627.6
22.5°	2769.8	2775.2	2740.9	2751.8	2823.8	2841.9	2971.6	3119.4	3353.7	3723.1
25°	2899.5	2910.3	2858.1	2870.7	2939.2	2960.8	3110.4	3265.4	3470.8	3854.6
27.5°	3049.1	3054.5	3009.5	3007.7	3096.0	3126.6	3278.0	3445.6	3627.6	4020.4
30°	3220.3	3236.5	3193.3	3186.1	3297.8	3323.0	3472.6	3667.2	3858.2	4269.1
32.5°	3355.5	3368.1	3342.8	3360.9	3474.4	3494.2	3708.7	3980.8	4220.4	4622.3
35°	3550.1	3557.3	3499.6	3532.1	3661.8	3712.3	4031.2	4420.5	4676.4	5065.6
37.5°	4254.7	4254.7	4009.6	3849.2	3973.6	4018.6	4472.7	4973.7	5238.6	5660.3
40°	5229.6	5213.4	4854.8	4526.8	4510.6	4598.9	5101.7	5671.1	5964.9	6373.9
42.5°	6269.4	6244.2	5755.8	5431.4	5377.4	5408.0	5827.9	6530.7	6829.8	7244.3
45°	7192.1	7184.9	6737.9	6301.8	6204.5	6301.8	6734.3	7536.3	7750.7	8186.8
47.5°	7965.2	7965.2	7639.0	7354.2	7303.8	7361.5	7961.5	8651.7	8631.9	9190.6
50°	8855.4	8848.2	8538.2	8415.7	8467.9	8549.0	9374.4	9826.7	9543.8	10176.3
52.5°	9478.9	9522.1	9415.8	9396.0	9662.7	9803.3	10808.8	10976.4	10360.1	11111.6
55°	9972.7	10023.1	10145.7	10284.4	10798.0	10981.8	12198.2	12066.7	11043.1	11922.5
57.5°	10671.9	10599.8	10789.0	11062.9	11893.7	12115.3	13544.4	13095.6	11592.7	12580.3
60°	11520.6	11531.4	11563.9	11909.9	12987.5	13272.2	14870.7	14068.8	11945.9	12983.9
62.5°	12540.6	12556.8	12623.5	13155.1	14456.2	14724.7	16283.5	14865.3	12108.1	12870.4
65°	12470.3	12538.8	13283.1	15101.3	16689.0	16953.9	17932.4	15423.9	11863.0	11832.4
67.5°	11360.3	11472.0	12717.2	17426.0	20055.2	20350.8	19925.5	15533.8	10805.2	9201.4
70°	9904.2	9943.8	11441.3	19516.4	23953.1	24252.3	21709.5	14324.7	8199.4	5132.3
72.5°	7734.5	7743.5	9500.5	20001.2	26068.7	26085.0	20309.3	10634.0	4409.7	1971.5
75°	5525.1	5471.1	6363.1	16220.4	22934.9	23118.8	15225.7	4988.1	1684.9	931.7
77.5°	2962.6	3022.1	3600.5	9619.5	15843.8	16157.4	8307.5	1438.1	857.8	634.3
80°	915.5	965.9	1475.9	4404.3	8974.3	9163.5	3079.7	639.7	598.3	452.3
82.5°	288.3	299.1	688.4	1850.7	3724.9	3811.4	892.0	362.2	409.1	299.1
85°	82.9	84.7	306.4	690.2	920.9	938.9	250.5	140.6	234.3	185.6
87.5°	9.0	28.8	115.3	115.3	81.1	79.3	27.0	30.6	66.7	23.4
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°
3564.5	0°	3564.5	3564.5	3564.5	3564.5	3564.5	3564.5	3564.5	3564.5	3564.5	3564.5
3580.7	2.5°	3571.7	3573.5	3550.1	3510.4	3467.2	3431.1	3386.1	3350.0	3324.8	3317.6
3613.2	5°	3596.9	3584.3	3517.6	3396.9	3252.7	3128.4	2989.6	2879.7	2807.6	2777.0
3647.4	7.5°	3634.8	3598.7	3452.8	3214.9	2939.2	2694.1	2445.4	2252.6	2130.0	2068.8
3679.8	10°	3667.2	3595.1	3344.6	2951.8	2530.1	2158.9	1823.7	1591.2	1461.5	1400.2
3717.7	12.5°	3697.8	3593.3	3204.1	2640.0	2068.8	1614.7	1302.9	1187.6	1151.5	1138.9
3778.9	15°	3755.5	3598.7	3027.5	2283.2	1609.2	1220.0	1106.5	1104.7	1111.9	1108.3
3872.6	17.5°	3834.8	3604.1	2827.4	1904.8	1241.6	1075.8	1070.4	1086.6	1097.5	1092.1
3989.8	20°	3937.5	3625.8	2614.8	1530.0	1066.8	1039.8	1052.4	1066.8	1075.8	1066.8
4146.6	22.5°	4081.7	3663.6	2382.3	1229.0	1011.0	1018.2	1029.0	1045.2	1054.2	1041.6
4346.6	25°	4258.3	3723.1	2153.5	1068.6	983.9	992.9	1009.2	1027.2	1038.0	1025.4
4598.9	27.5°	4487.2	3818.6	1942.6	1032.6	956.9	962.3	985.7	1012.8	1027.2	1011.0
4957.5	30°	4818.7	3975.4	1760.6	1048.8	940.7	928.1	960.5	998.3	1014.6	1000.1
5445.9	32.5°	5258.4	4197.0	1648.9	1074.0	933.5	888.4	919.1	967.7	994.7	985.7
6083.8	35°	5835.1	4534.0	1605.6	1102.9	928.1	847.0	868.6	920.9	967.7	976.7
6887.5	37.5°	6534.3	5002.5	1618.3	1115.5	911.8	812.7	823.5	868.6	929.9	958.7
7792.2	40°	7329.0	5548.6	1690.3	1102.9	893.8	783.9	785.7	819.9	874.0	917.3
8765.3	42.5°	8149.0	6186.5	1823.7	1056.0	877.6	758.7	753.3	776.7	812.7	843.4
9736.6	45°	8929.3	6842.5	1955.2	991.1	857.8	733.4	720.8	729.8	737.0	749.7
10682.7	47.5°	9610.4	7303.8	1917.4	931.7	830.8	704.6	683.0	679.4	657.8	656.0
11527.8	50°	10080.8	7404.7	1703.0	872.2	791.1	672.2	637.9	616.3	578.5	560.4
12160.4	52.5°	10230.4	7006.4	1391.2	812.7	726.2	628.9	580.3	546.0	499.2	483.0
12524.4	55°	10032.1	6226.2	1111.9	740.7	636.1	571.3	517.2	472.1	434.3	414.5
12564.0	57.5°	9547.4	5233.2	879.4	656.0	540.6	506.4	452.3	407.3	374.8	355.0
12124.3	60°	8743.6	4155.6	695.6	555.0	461.3	436.1	380.2	351.4	322.6	299.1
10989.0	62.5°	7523.6	2966.2	546.0	439.7	385.6	356.8	324.4	302.7	268.5	236.1
8947.3	65°	5871.1	1814.7	421.7	322.6	310.0	295.5	275.7	255.9	214.4	182.0
5836.9	67.5°	3703.3	859.6	300.9	243.3	245.1	237.9	228.9	212.6	182.0	153.2
2614.8	70°	1630.9	416.3	198.2	185.6	182.0	182.0	189.2	183.8	155.0	127.9
908.2	72.5°	555.0	223.5	147.8	140.6	131.6	129.7	158.6	153.2	124.3	99.1
452.3	75°	290.1	149.6	108.1	100.9	79.3	95.5	126.1	118.9	88.3	64.9
299.1	77.5°	189.2	106.3	73.9	64.9	45.1	63.1	93.7	82.9	52.3	32.4
196.4	80°	118.9	70.3	43.2	30.6	21.6	34.2	50.5	36.0	19.8	7.2
115.3	82.5°	63.1	36.0	16.2	10.8	9.0	10.8	12.6	9.0	3.6	0.0
59.5	85°	25.2	12.6	5.4	3.6	1.8	0.0	3.6	1.8	0.0	0.0
10.8	87.5°	9.0	1.8	0.0	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°
3564.5
3330.2
2787.8
2077.8
1402.0
1135.3
1106.5
1090.3
1065.0
1039.8
1023.6
1011.0
998.3
985.7
976.7
965.9
931.7
856.0
756.9
654.2
562.2
481.2
414.5
351.4
293.7
230.7
176.6
149.6
122.5
93.7
59.5
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