

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: P848827

Luminaire Tested: **GLAN-SB5C-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848827
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-SB5C-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 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: 23656 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

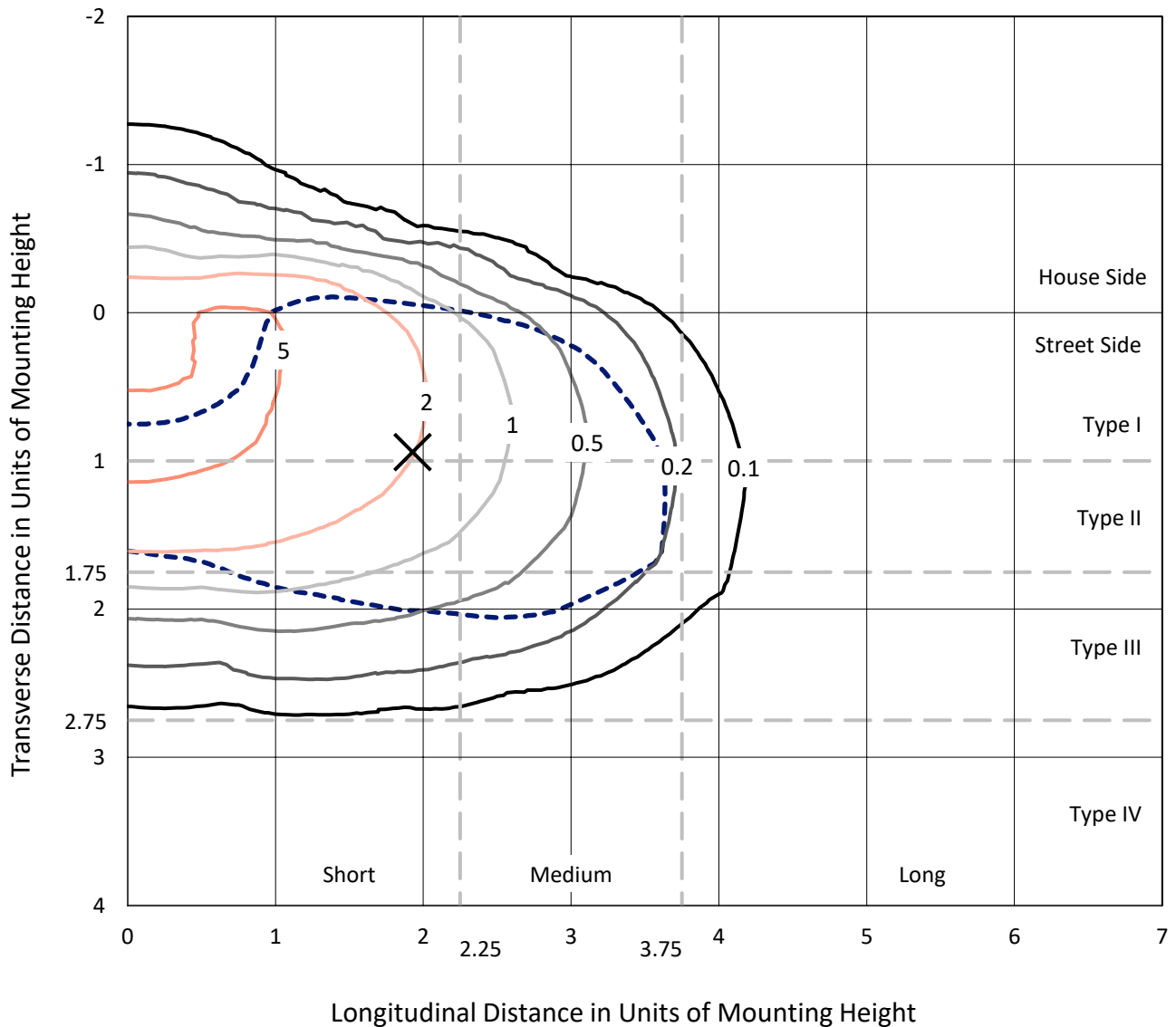
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

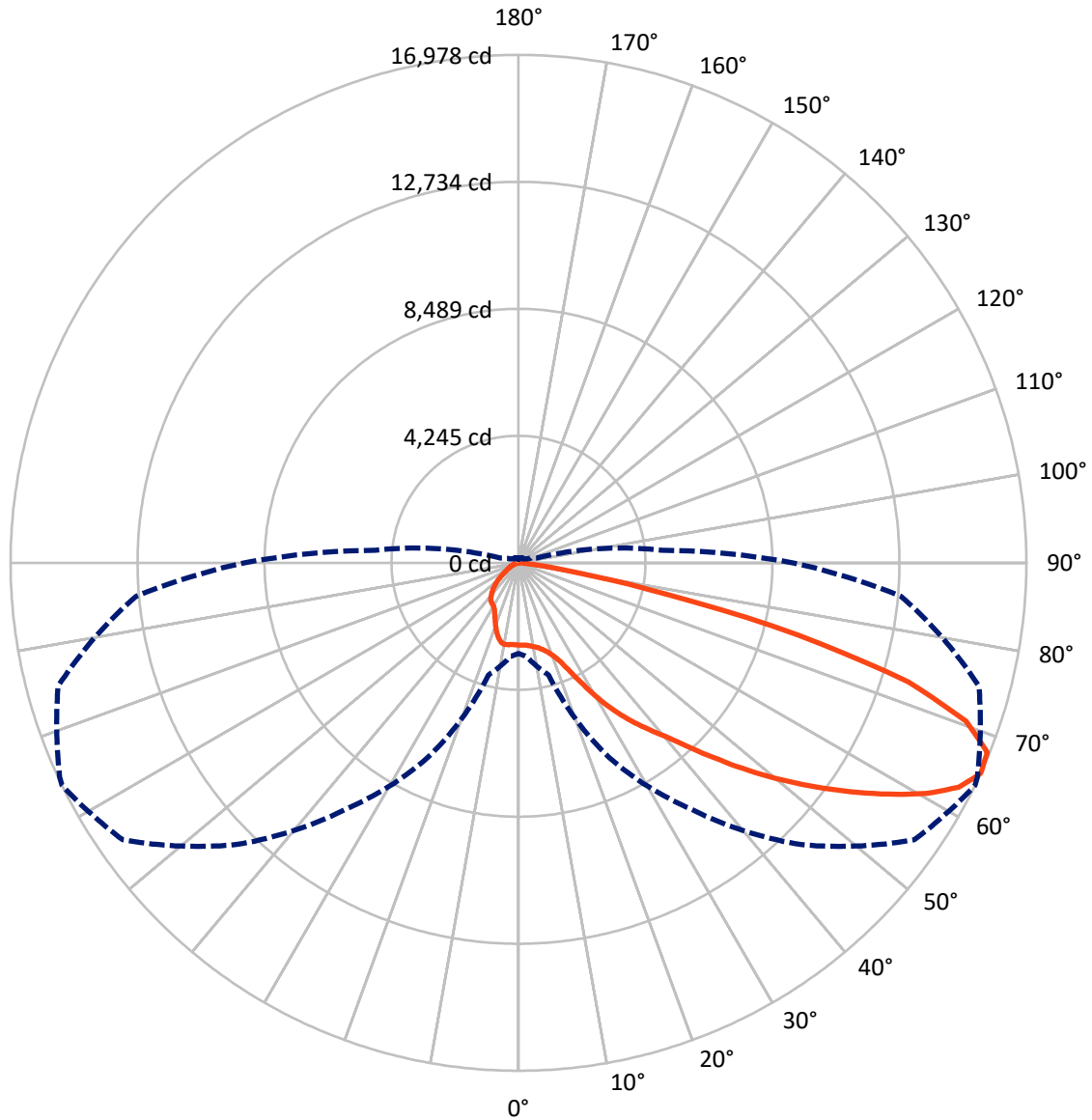
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	3163.5	0.0	3163.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	20492.5	0.0	20492.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	23656.0	0.0	23656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.8	1.1
10°-20°	688.5	2.9
20°-30°	1304.7	5.5
30°-40°	2640.0	11.2
40°-50°	4497.3	19.0
50°-60°	6116.0	25.9
60°-70°	5743.2	24.3
70°-80°	2301.0	9.7
80°-90°	111.5	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°	23656.0	100.0
0°-180°	23656.0	100.0

Coefficient of Utilization



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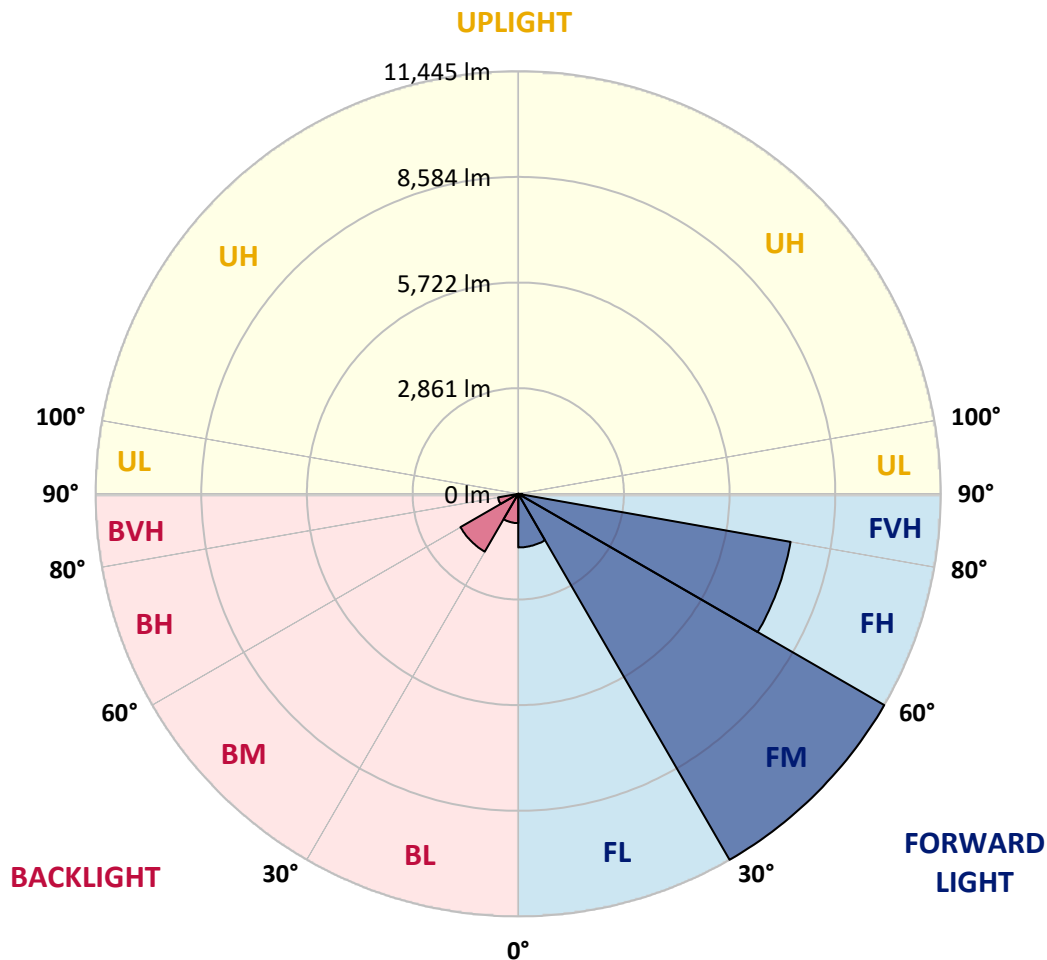
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1452.7	6.1			
FM (30°-60°)	11444.7	48.4			
FH (60°-80°)	7488.9	31.7			G3/7500
FVH (80°-90°)	106.0	0.4			G2/225
BL (0°-30°)	794.3	3.4	B2/1000		
BM (30°-60°)	1808.6	7.6	B2/2500		
BH (60°-80°)	555.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.4	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2751.4	2751.4	2751.4	2751.4	2751.4	2751.4	2751.4	2751.4	2751.4	2751.4
2.5°	2741.9	2761.0	2756.2	2751.4	2749.9	2753.0	2754.6	2753.0	2753.0	2753.0
5°	2689.6	2705.4	2705.4	2716.5	2732.4	2751.4	2765.7	2768.9	2772.1	2776.8
7.5°	2589.7	2602.4	2611.9	2648.4	2688.0	2738.8	2781.6	2803.8	2806.9	2824.4
10°	2521.5	2537.3	2553.2	2591.3	2648.4	2724.5	2797.4	2851.3	2859.3	2900.5
12.5°	2518.3	2534.2	2554.8	2596.0	2662.6	2743.5	2832.3	2910.0	2924.3	2984.6
15°	2551.6	2570.7	2589.7	2640.4	2711.8	2810.1	2905.3	3002.0	3016.3	3101.9
17.5°	2619.8	2645.2	2659.5	2710.2	2786.3	2895.8	3021.0	3132.0	3144.7	3244.6
20°	2754.6	2784.7	2789.5	2830.7	2905.3	3022.6	3171.7	3309.7	3325.5	3439.7
22.5°	3033.7	3076.5	3038.5	3059.1	3125.7	3243.0	3404.8	3579.2	3601.5	3731.5
25°	3525.3	3585.6	3487.3	3452.4	3480.9	3603.0	3806.0	4026.5	4051.8	4156.5
27.5°	4491.1	4413.4	4264.3	4118.4	4032.8	4102.6	4330.9	4603.7	4635.4	4736.9
30°	5552.0	5483.8	5282.4	4958.9	4755.9	4744.8	4955.8	5260.2	5296.7	5393.5
32.5°	6614.6	6549.5	6330.7	5932.6	5580.6	5406.1	5552.0	5889.8	5908.9	5970.7
35°	7659.6	7593.0	7374.2	6966.6	6533.7	6137.2	6108.7	6489.3	6495.6	6560.6
37.5°	8711.0	8655.5	8422.4	8022.8	7596.2	7049.1	6784.2	7057.0	7064.9	7128.4
40°	9461.1	9484.9	9324.8	9015.5	8649.2	8051.3	7542.3	7661.2	7613.6	7719.9
42.5°	10105.0	10152.6	10013.0	9857.6	9645.1	9118.6	8481.1	8460.5	8384.4	8441.4
45°	10661.6	10701.3	10576.0	10539.5	10534.8	10165.3	9507.1	9383.4	9277.2	9266.1
47.5°	10866.2	10942.3	10996.2	11118.3	11356.2	11200.8	10568.1	10376.2	10257.2	10170.0
50°	10943.9	11024.8	11208.7	11564.0	12126.9	12193.6	11624.2	11408.6	11262.7	11104.1
52.5°	10839.2	10983.6	11230.9	11828.8	12645.5	12989.6	12637.6	12448.9	12282.4	12023.9
55°	10222.3	10366.7	10872.5	11825.6	12904.0	13547.9	13595.4	13511.4	13324.3	12916.7
57.5°	8922.0	9136.0	9936.9	11422.8	12899.3	14028.4	14534.3	14594.5	14385.2	13801.6
60°	7120.4	7410.6	8387.5	10530.0	12501.2	14288.4	15357.3	15658.6	15436.6	14673.8
62.5°	4968.4	5304.6	6229.2	9131.3	11590.9	14101.3	15958.3	16515.0	16346.9	15454.0
65°	3030.5	3138.4	3883.7	7185.5	10043.1	13317.9	16143.9	16978.0	16922.5	15931.4
67.5°	2018.8	2109.2	2323.3	4927.2	7796.0	11752.7	15699.9	16897.2	16913.0	15853.7
70°	1216.3	1294.0	1433.6	2865.6	5052.5	9302.6	14324.9	15866.4	15958.3	14814.9
72.5°	501.1	553.5	680.3	1298.8	2616.6	5904.1	11407.0	13622.4	13836.5	12456.8
75°	283.9	310.8	399.6	651.8	1135.5	2751.4	6909.5	9670.5	9986.1	8585.8
77.5°	188.7	201.4	258.5	421.8	639.1	938.8	2952.8	5038.2	5640.8	4689.3
80°	126.9	138.0	177.6	282.3	415.5	402.8	940.4	1866.5	2296.3	1611.2
82.5°	85.6	87.2	126.9	185.5	263.3	195.1	277.5	580.4	729.5	466.2
85°	49.2	47.6	93.6	107.8	117.4	80.9	84.0	174.4	228.4	196.6
87.5°	6.3	9.5	36.5	28.5	15.9	17.4	17.4	30.1	44.4	47.6
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°
2751.4	0°	2751.4	2751.4	2751.4	2751.4	2751.4	2751.4	2751.4	2751.4	2751.4	2751.4
2754.6	2.5°	2754.6	2753.0	2748.3	2743.5	2732.4	2726.1	2729.2	2726.1	2724.5	2726.1
2775.2	5°	2775.2	2770.5	2757.8	2741.9	2719.7	2692.8	2675.3	2649.9	2626.2	2611.9
2830.7	7.5°	2830.7	2826.0	2808.5	2764.1	2692.8	2580.2	2477.1	2386.7	2318.5	2278.9
2919.5	10°	2919.5	2911.6	2884.6	2786.3	2599.2	2353.4	2148.8	1979.1	1868.1	1815.8
3024.2	12.5°	3024.2	3014.7	2967.1	2765.7	2421.6	2037.8	1755.5	1566.8	1463.7	1417.7
3144.7	15°	3147.9	3135.2	3041.6	2667.4	2163.1	1688.9	1430.4	1289.3	1222.7	1181.5
3298.6	17.5°	3301.7	3279.5	3097.2	2519.9	1882.4	1422.5	1230.6	1124.4	1065.7	1026.0
3500.0	20°	3501.5	3465.1	3141.6	2343.9	1623.9	1254.4	1095.8	1007.0	962.6	927.7
3785.4	22.5°	3780.7	3728.3	3195.5	2153.6	1441.5	1138.6	995.9	930.9	894.4	854.8
4183.5	25°	4126.4	4064.5	3262.1	1977.5	1316.3	1038.7	923.0	869.0	826.2	780.2
4705.2	27.5°	4610.0	4499.0	3341.4	1833.2	1208.4	953.1	856.4	796.1	746.9	708.9
5296.7	30°	5149.2	4966.9	3411.1	1746.0	1110.1	873.8	769.1	708.9	662.9	635.9
5828.0	32.5°	5659.9	5412.5	3457.1	1708.0	1021.3	783.4	674.0	609.0	574.1	566.1
6348.1	35°	6142.0	5815.3	3452.4	1671.5	942.0	693.0	580.4	513.8	486.9	491.6
6907.9	37.5°	6697.0	6245.1	3419.1	1614.4	877.0	610.5	499.5	440.9	417.1	418.7
7588.3	40°	7342.5	6741.4	3398.5	1506.6	805.6	534.4	432.9	385.4	367.9	361.6
8305.1	42.5°	8030.7	7221.9	3401.6	1384.4	716.8	466.2	386.9	347.3	331.4	326.7
9102.7	45°	8722.1	7680.2	3406.4	1257.6	623.2	413.9	353.6	320.3	310.8	304.5
9911.5	47.5°	9372.3	8070.4	3317.6	1121.2	531.3	374.3	326.7	304.5	296.6	288.6
10723.5	50°	9978.1	8330.4	3103.5	962.6	458.3	342.5	306.1	290.2	282.3	274.4
11459.3	52.5°	10449.1	8371.7	2749.9	799.3	407.6	318.8	293.4	279.1	269.6	261.7
12054.0	55°	10658.5	8113.2	2247.1	647.0	367.9	298.1	280.7	266.4	255.3	247.4
12521.8	57.5°	10604.5	7569.2	1752.4	520.2	329.9	277.5	264.8	255.3	242.6	229.9
12900.8	60°	10339.7	6841.3	1321.0	432.9	295.0	255.3	247.4	239.5	222.0	203.0
13046.7	62.5°	9881.4	5926.3	942.0	358.4	256.9	229.9	226.8	220.4	195.1	160.2
12831.1	65°	9180.4	4814.6	634.3	298.1	220.4	201.4	203.0	191.9	158.6	118.9
12041.3	67.5°	8156.0	3520.6	406.0	244.2	184.0	168.1	169.7	163.3	134.8	101.5
10544.3	70°	6850.8	2331.2	264.8	185.5	147.5	130.0	139.6	141.1	114.2	82.5
8092.6	72.5°	5022.4	1376.5	185.5	138.0	107.8	90.4	114.2	117.4	92.0	61.8
4868.5	75°	2862.4	653.4	139.6	99.9	66.6	63.4	88.8	88.8	63.4	41.2
2107.6	77.5°	1202.1	272.8	98.3	65.0	38.1	36.5	60.3	55.5	31.7	19.0
513.8	80°	347.3	122.1	52.3	31.7	15.9	14.3	23.8	17.4	7.9	3.2
195.1	82.5°	136.4	53.9	20.6	12.7	6.3	6.3	3.2	0.0	0.0	0.0
111.0	85°	80.9	22.2	9.5	4.8	1.6	0.0	0.0	0.0	0.0	0.0
23.8	87.5°	20.6	4.8	3.2	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°
2751.4
2732.4
2615.1
2280.4
1811.0
1413.0
1183.0
1022.9
921.4
848.4
775.5
700.9
631.2
570.9
491.6
425.0
360.0
325.1
304.5
288.6
274.4
260.1
245.8
228.4
199.8
157.0
115.8
96.7
79.3
58.7
38.1
19.0
3.2
0.0
0.0
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