

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: P852766

Luminaire Tested: **GLAN-SB6B-730-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852766  
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-SB6B-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 450mA 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: 24974 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

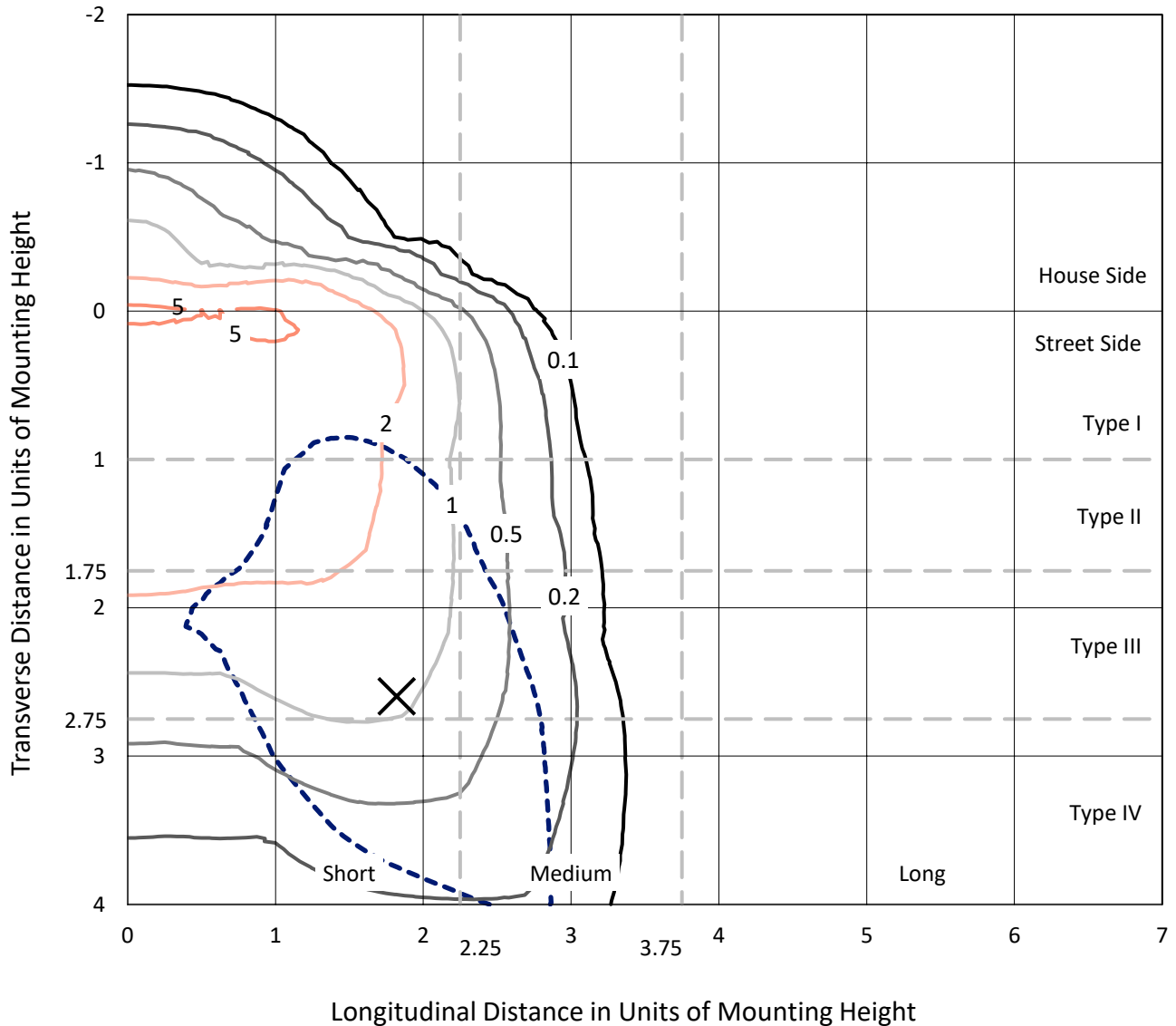
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

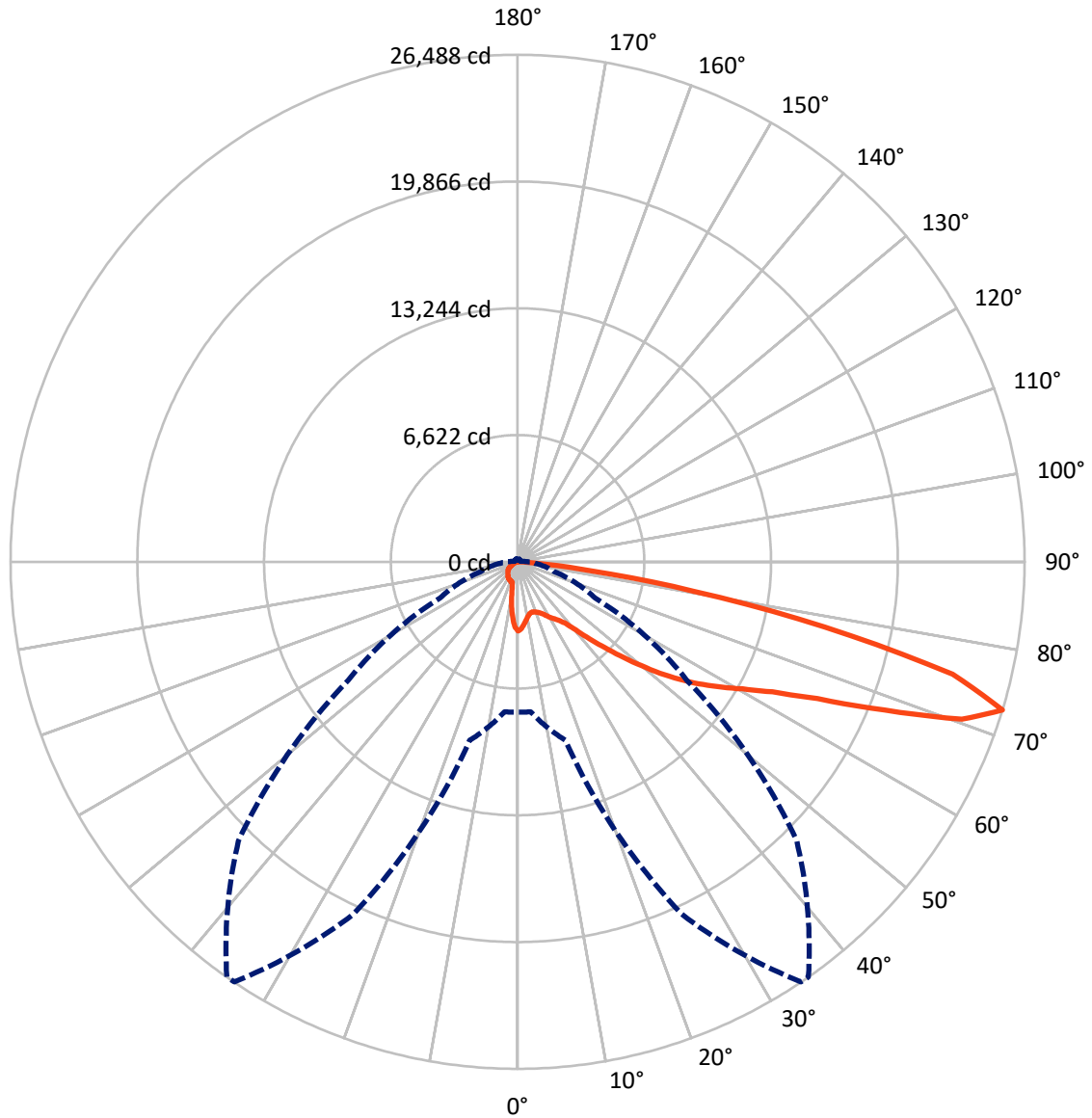
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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
<b>House Side</b>	Lumens	2810.7	0.0	2810.7
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	22163.3	0.0	22163.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	24974.0	0.0	24974.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.4	1.2
10°-20°	695.8	2.8
20°-30°	1130.3	4.5
30°-40°	1885.9	7.6
40°-50°	3568.2	14.3
50°-60°	5669.9	22.7
60°-70°	7014.1	28.1
70°-80°	4360.0	17.5
80°-90°	352.4	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°	24974.0	100.0
0°-180°	24974.0	100.0

**Coefficient of Utilization**

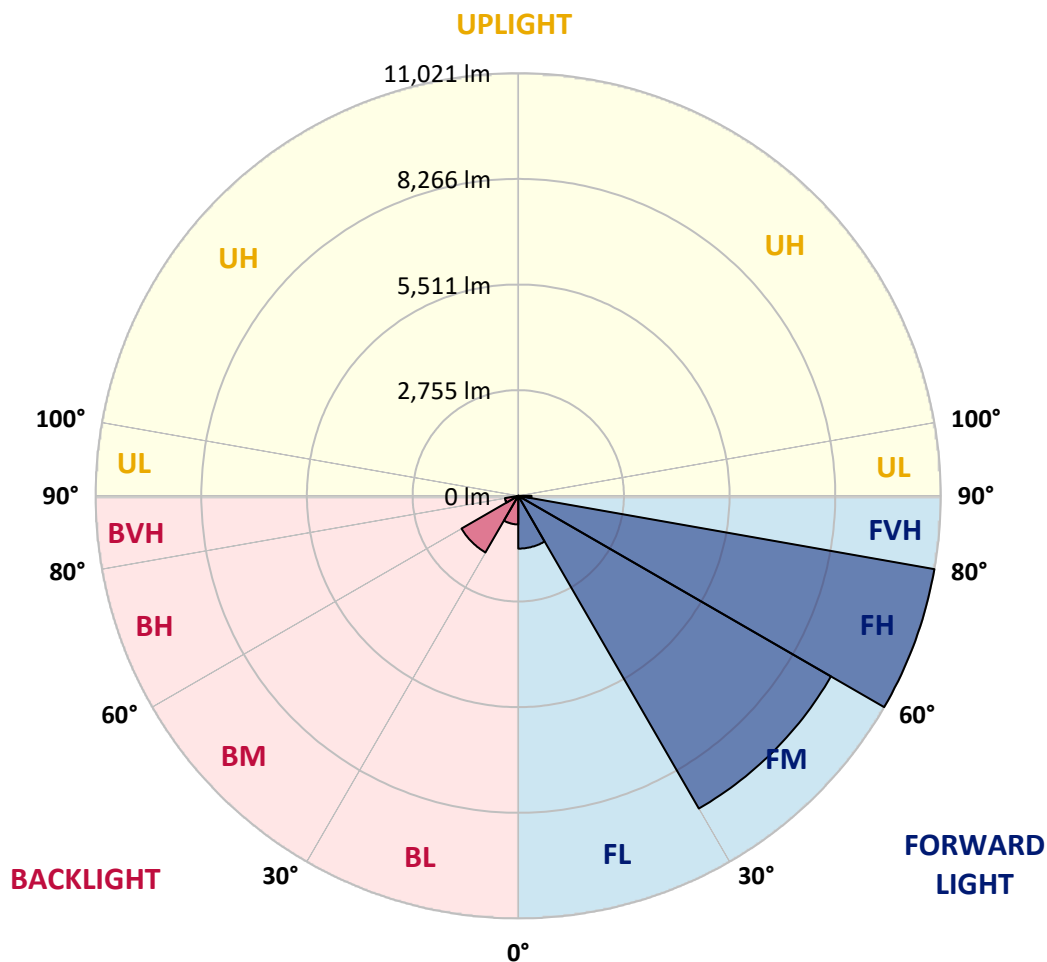


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1376.7	5.5			
FM (30°-60°)	9417.7	37.7			
FH (60°-80°)	11021.3	44.1			G4/12000
FVH (80°-90°)	347.6	1.4			G3/500
BL (0°-30°)	746.9	3.0	B2/1000		
BM (30°-60°)	1706.4	6.8	B2/2500		
BH (60°-80°)	352.7	1.4	B1/500		G1/500
BVH (80°-90°)	4.8	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°	3619.6	3619.6	3619.6	3619.6	3619.6	3619.6	3619.6	3619.6	3619.6	3619.6
2.5°	3458.5	3487.8	3493.3	3502.5	3502.5	3513.4	3531.7	3557.4	3599.4	3621.4
5°	3187.7	3209.7	3237.1	3259.1	3301.2	3306.7	3378.0	3447.6	3544.5	3617.7
7.5°	2915.1	2940.7	2977.3	3030.3	3085.2	3101.7	3209.7	3326.8	3480.5	3617.7
10°	2722.9	2724.7	2757.7	2810.7	2898.6	2918.7	3050.5	3217.0	3409.1	3595.8
12.5°	2614.9	2627.8	2642.4	2682.7	2766.8	2779.6	2920.5	3116.3	3337.8	3583.0
15°	2614.9	2624.1	2633.2	2653.4	2721.1	2732.1	2856.5	3052.3	3301.2	3588.5
17.5°	2642.4	2657.0	2649.7	2673.5	2744.9	2752.2	2862.0	3034.0	3299.3	3623.2
20°	2708.3	2719.3	2704.6	2719.3	2790.6	2805.3	2918.7	3068.8	3330.4	3683.6
22.5°	2812.6	2818.1	2783.3	2794.3	2867.5	2885.8	3017.5	3167.6	3405.5	3780.6
25°	2944.3	2955.3	2902.2	2915.1	2984.6	3006.5	3158.4	3315.8	3524.4	3914.2
27.5°	3096.2	3101.7	3056.0	3054.1	3143.8	3174.9	3328.6	3498.8	3683.6	4082.5
30°	3270.1	3286.5	3242.6	3235.3	3348.7	3374.4	3526.2	3723.9	3917.8	4335.1
32.5°	3407.3	3420.1	3394.5	3412.8	3528.1	3548.2	3766.0	4042.3	4285.7	4693.7
35°	3604.9	3612.3	3553.7	3586.6	3718.4	3769.6	4093.5	4488.8	4748.6	5143.9
37.5°	4320.4	4320.4	4071.6	3908.7	4035.0	4080.7	4541.8	5050.6	5319.6	5747.8
40°	5310.4	5293.9	4929.8	4596.7	4580.3	4669.9	5180.5	5758.7	6057.0	6472.4
42.5°	6366.3	6340.7	5844.7	5515.4	5460.5	5491.6	5917.9	6631.6	6935.4	7356.3
45°	7303.2	7295.9	6842.0	6399.2	6300.4	6399.2	6838.4	7652.7	7870.5	8313.3
47.5°	8088.2	8088.2	7757.0	7467.9	7416.6	7475.2	8084.6	8785.4	8765.3	9332.6
50°	8992.2	8984.9	8670.1	8545.7	8598.8	8681.1	9519.2	9978.5	9691.2	10333.5
52.5°	9625.3	9669.3	9561.3	9541.2	9812.0	9954.7	10975.8	11146.0	10520.2	11283.2
55°	10126.7	10178.0	10302.4	10443.3	10964.8	11151.5	12386.7	12253.1	11213.7	12106.7
57.5°	10836.8	10763.6	10955.7	11233.8	12077.4	12302.5	13753.6	13298.0	11771.8	12774.6
60°	11698.6	11709.6	11742.6	12093.9	13188.2	13477.3	15100.5	14286.1	12130.5	13184.5
62.5°	12734.4	12750.8	12818.5	13358.4	14679.6	14952.2	16535.1	15095.0	12295.2	13069.2
65°	12663.0	12732.5	13488.3	15334.7	16946.8	17215.8	18209.5	15662.2	12046.3	12015.2
67.5°	11535.8	11649.2	12913.7	17695.3	20365.1	20665.2	20233.4	15773.9	10972.2	9343.5
70°	10057.2	10097.5	11618.1	19818.0	24323.2	24627.0	22045.0	14546.0	8326.1	5211.6
72.5°	7854.0	7863.1	9647.3	20310.2	26471.5	26488.0	20623.1	10798.3	4477.8	2001.9
75°	5610.5	5555.6	6461.4	16471.1	23289.3	23476.0	15460.9	5065.2	1711.0	946.1
77.5°	3008.4	3068.8	3656.2	9768.1	16088.6	16407.0	8435.9	1460.3	871.0	644.1
80°	929.6	980.8	1498.7	4472.3	9113.0	9305.1	3127.3	649.6	607.5	459.3
82.5°	292.8	303.8	699.0	1879.3	3782.4	3870.3	905.8	367.8	415.4	303.8
85°	84.2	86.0	311.1	700.9	935.1	953.4	254.4	142.7	237.9	188.5
87.5°	9.1	29.3	117.1	117.1	82.3	80.5	27.4	31.1	67.7	23.8
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°
3619.6	0°	3619.6	3619.6	3619.6	3619.6	3619.6	3619.6	3619.6	3619.6	3619.6	3619.6
3636.0	2.5°	3626.9	3628.7	3604.9	3564.7	3520.8	3484.2	3438.4	3401.8	3376.2	3368.9
3669.0	5°	3652.5	3639.7	3572.0	3449.4	3303.0	3176.7	3035.8	2924.2	2851.0	2819.9
3703.7	7.5°	3690.9	3654.3	3506.1	3264.6	2984.6	2735.7	2483.2	2287.4	2163.0	2100.7
3736.7	10°	3723.9	3650.7	3396.3	2997.4	2569.2	2192.2	1851.9	1615.8	1484.1	1421.8
3775.1	12.5°	3755.0	3648.8	3253.6	2680.8	2100.7	1639.6	1323.0	1205.9	1169.3	1156.5
3837.3	15°	3813.5	3654.3	3074.3	2318.5	1634.1	1238.9	1123.6	1121.7	1129.1	1125.4
3932.5	17.5°	3894.1	3659.8	2871.1	1934.2	1260.8	1092.5	1087.0	1103.4	1114.4	1108.9
4051.4	20°	3998.4	3681.8	2655.2	1553.6	1083.3	1055.9	1068.7	1083.3	1092.5	1083.3
4210.6	22.5°	4144.8	3720.2	2419.1	1248.0	1026.6	1033.9	1044.9	1061.4	1070.5	1057.7
4413.8	25°	4324.1	3780.6	2186.7	1085.1	999.1	1008.3	1024.8	1043.1	1054.0	1041.2
4669.9	27.5°	4556.5	3877.6	1972.6	1048.5	971.7	977.2	1001.0	1028.4	1043.1	1026.6
5034.1	30°	4893.2	4036.8	1787.8	1065.0	955.2	942.4	975.3	1013.8	1030.2	1015.6
5530.0	32.5°	5339.7	4261.9	1674.4	1090.6	947.9	902.1	933.3	982.7	1010.1	1001.0
6177.8	35°	5925.3	4604.1	1630.5	1119.9	942.4	860.1	882.0	935.1	982.7	991.8
6993.9	37.5°	6635.3	5079.8	1643.3	1132.7	925.9	825.3	836.3	882.0	944.2	973.5
7912.5	40°	7442.3	5634.3	1716.5	1119.9	907.6	796.0	797.8	832.6	887.5	931.4
8900.7	42.5°	8274.9	6282.1	1851.9	1072.3	891.2	770.4	764.9	788.7	825.3	856.4
9887.0	45°	9067.2	6948.2	1985.5	1006.5	871.0	744.8	732.0	741.1	748.4	761.2
10847.7	47.5°	9758.9	7416.6	1947.0	946.1	843.6	715.5	693.5	689.9	667.9	666.1
11706.0	50°	10236.5	7519.1	1729.3	885.7	803.3	682.6	647.8	625.8	587.4	569.1
12348.3	52.5°	10388.4	7114.7	1412.7	825.3	737.5	638.6	589.2	554.5	506.9	490.4
12717.9	55°	10187.1	6322.4	1129.1	752.1	646.0	580.1	525.2	479.4	441.0	420.9
12758.2	57.5°	9694.9	5314.1	893.0	666.1	549.0	514.2	459.3	413.6	380.6	360.5
12311.7	60°	8878.7	4219.8	706.3	563.6	468.5	442.8	386.1	356.8	327.6	303.8
11158.8	62.5°	7639.9	3012.0	554.5	446.5	391.6	362.3	329.4	307.4	272.7	239.7
9085.5	65°	5961.9	1842.7	428.2	327.6	314.7	300.1	280.0	259.8	217.8	184.8
5927.1	67.5°	3760.5	872.9	305.6	247.0	248.9	241.5	232.4	215.9	184.8	155.5
2655.2	70°	1656.1	422.7	201.3	188.5	184.8	184.8	192.1	186.7	157.4	129.9
922.3	72.5°	563.6	226.9	150.1	142.7	133.6	131.8	161.0	155.5	126.3	100.6
459.3	75°	294.6	151.9	109.8	102.5	80.5	97.0	128.1	120.8	89.7	65.9
303.8	77.5°	192.1	108.0	75.0	65.9	45.7	64.0	95.2	84.2	53.1	32.9
199.5	80°	120.8	71.4	43.9	31.1	22.0	34.8	51.2	36.6	20.1	7.3
117.1	82.5°	64.0	36.6	16.5	11.0	9.1	11.0	12.8	9.1	3.7	0.0
60.4	85°	25.6	12.8	5.5	3.7	1.8	0.0	3.7	1.8	0.0	0.0
11.0	87.5°	9.1	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°
3619.6
3381.7
2830.9
2109.9
1423.7
1152.8
1123.6
1107.1
1081.5
1055.9
1039.4
1026.6
1013.8
1001.0
991.8
980.8
946.1
869.2
768.6
664.3
570.9
488.6
420.9
356.8
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