

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: P849367

Luminaire Tested: **GLAN-SB6B-840-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849367  
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-SB6B-840-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 450mA 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: 23816 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

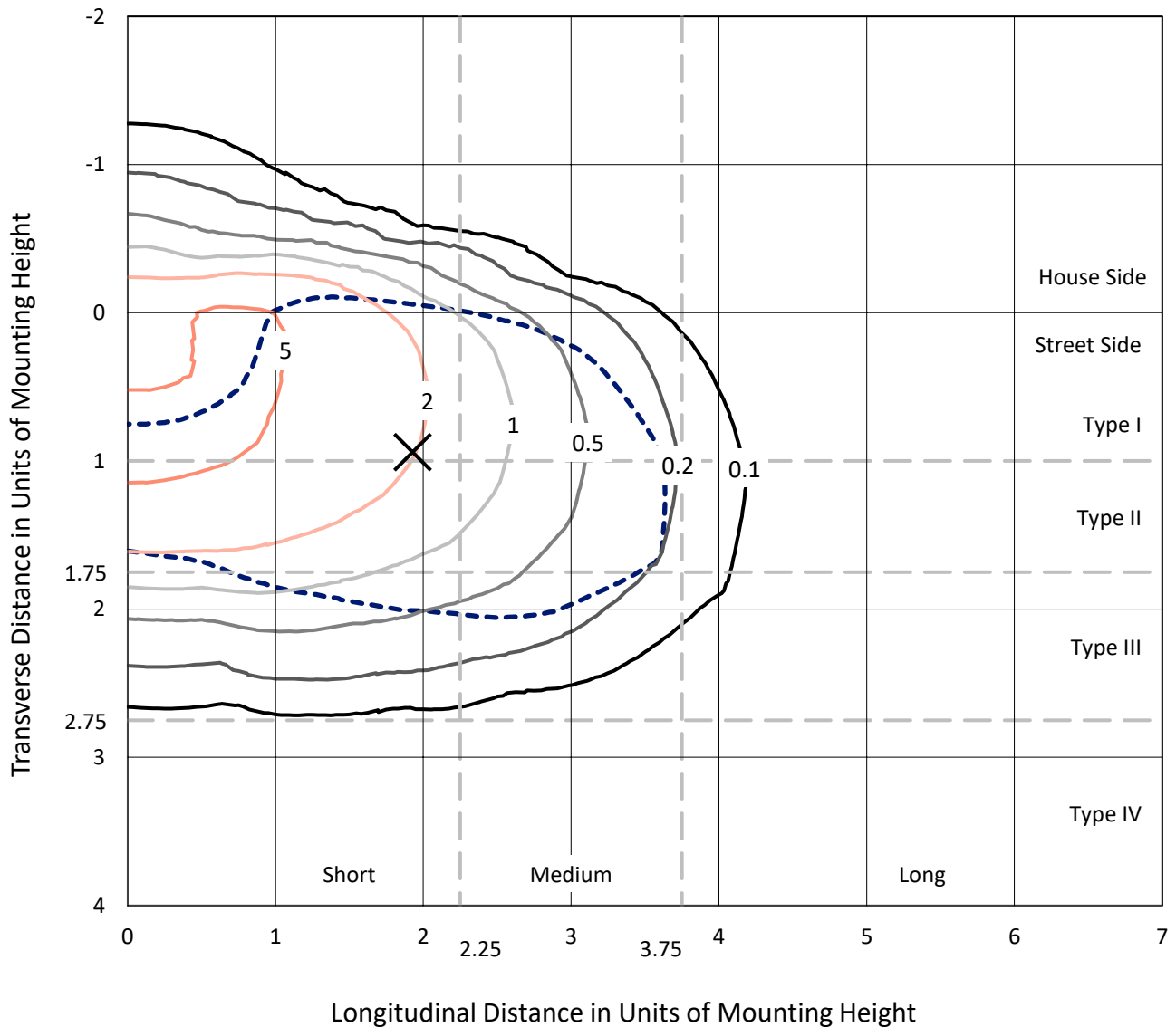
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

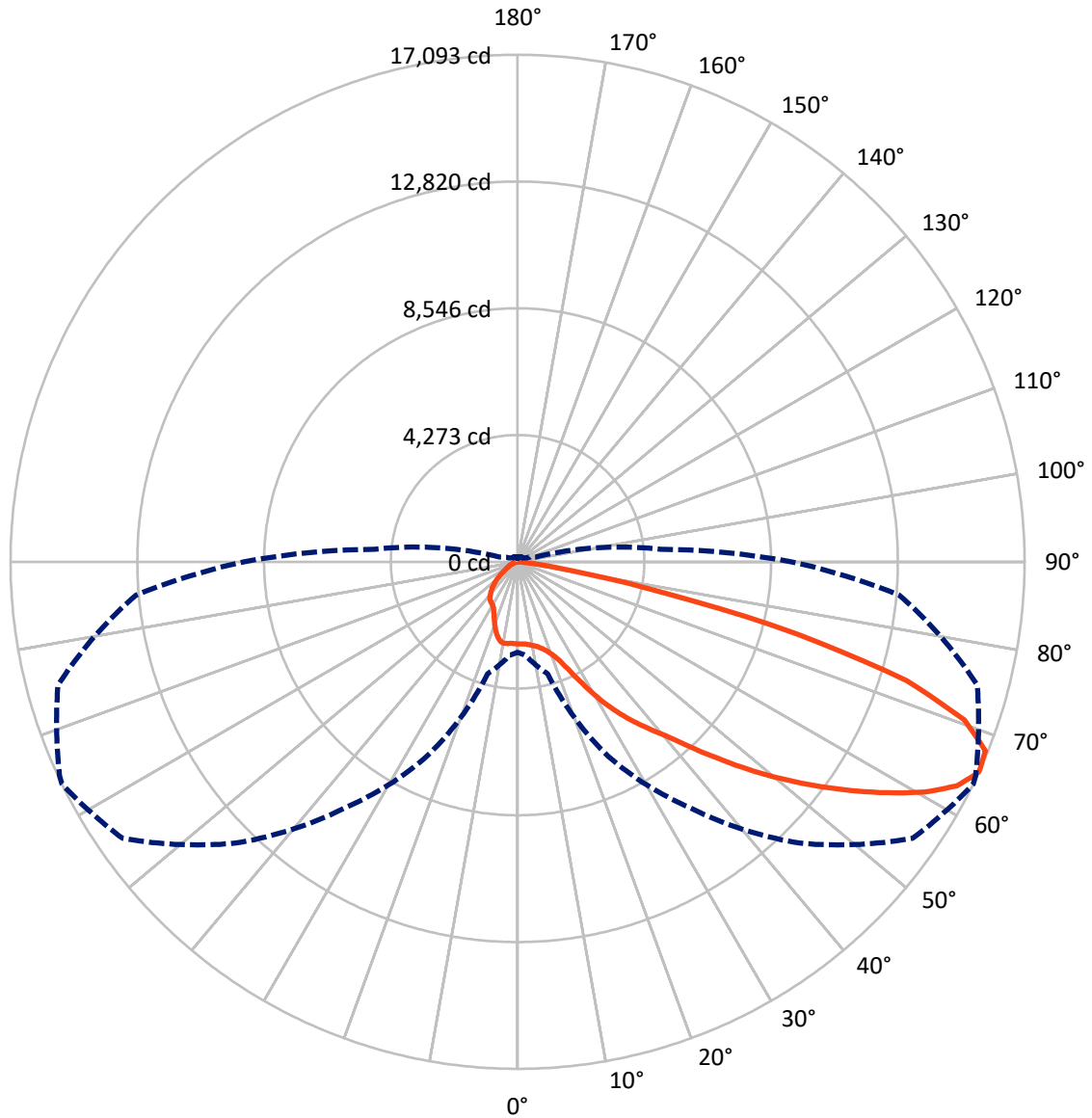
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	3184.9	0.0	3184.9
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	20631.1	0.0	20631.1
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	23816.0	0.0	23816.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.6	1.1
10°-20°	693.2	2.9
20°-30°	1313.5	5.5
30°-40°	2657.9	11.2
40°-50°	4527.7	19.0
50°-60°	6157.4	25.9
60°-70°	5782.1	24.3
70°-80°	2316.5	9.7
80°-90°	112.2	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°	23816.0	100.0
0°-180°	23816.0	100.0

**Coefficient of Utilization**

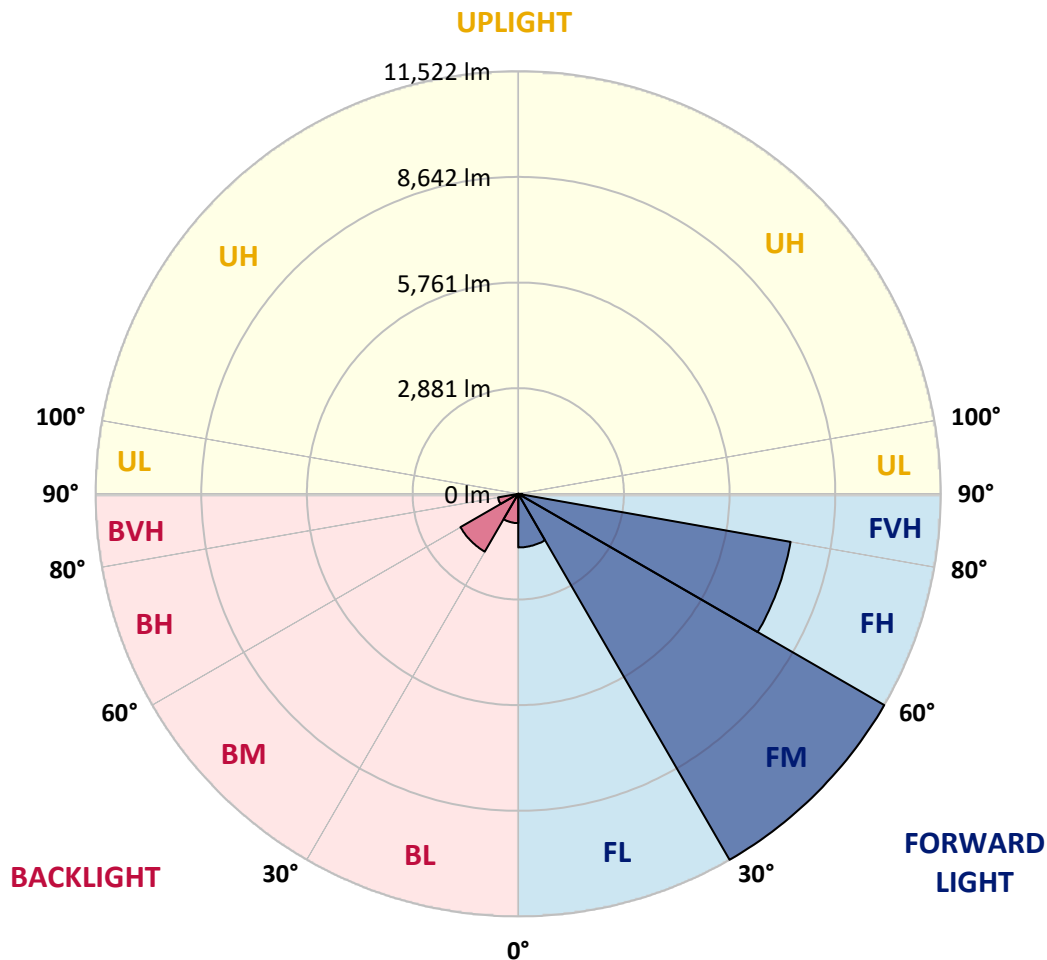


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1462.6	6.1			
FM (30°-60°)	11522.2	48.4			
FH (60°-80°)	7539.6	31.7			G4/12000
FVH (80°-90°)	106.7	0.4			G2/225
BL (0°-30°)	799.6	3.4	B2/1000		
BM (30°-60°)	1820.8	7.6	B2/2500		
BH (60°-80°)	559.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.5	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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2770.0	2770.0	2770.0	2770.0	2770.0	2770.0	2770.0	2770.0	2770.0	2770.0
2.5°	2760.5	2779.6	2774.8	2770.0	2768.5	2771.6	2773.2	2771.6	2771.6	2771.6
5°	2707.8	2723.7	2723.7	2734.9	2750.9	2770.0	2784.4	2787.6	2790.8	2795.6
7.5°	2607.2	2620.0	2629.5	2666.3	2706.2	2757.3	2800.4	2822.7	2825.9	2843.5
10°	2538.5	2554.5	2570.5	2608.8	2666.3	2742.9	2816.3	2870.6	2878.6	2920.1
12.5°	2535.4	2551.3	2572.1	2613.6	2680.6	2762.1	2851.5	2929.7	2944.1	3004.7
15°	2568.9	2588.0	2607.2	2658.3	2730.1	2829.1	2924.9	3022.3	3036.7	3122.9
17.5°	2637.5	2663.1	2677.4	2728.5	2805.2	2915.3	3041.5	3153.2	3166.0	3266.6
20°	2773.2	2803.6	2808.4	2849.9	2924.9	3043.1	3193.1	3332.0	3348.0	3463.0
22.5°	3054.2	3097.3	3059.0	3079.8	3146.8	3265.0	3427.8	3603.5	3625.8	3756.7
25°	3549.2	3609.8	3510.9	3475.7	3504.5	3627.4	3831.8	4053.7	4079.2	4184.6
27.5°	4521.5	4443.3	4293.2	4146.3	4060.1	4130.3	4360.2	4634.8	4666.8	4769.0
30°	5589.6	5520.9	5318.2	4992.5	4788.1	4776.9	4989.3	5295.8	5332.5	5429.9
32.5°	6659.3	6593.8	6373.5	5972.8	5618.3	5442.7	5589.6	5929.7	5948.8	6011.1
35°	7711.4	7644.4	7424.0	7013.7	6577.9	6178.7	6150.0	6533.2	6539.5	6605.0
37.5°	8770.0	8714.1	8479.4	8077.0	7647.6	7096.8	6830.1	7104.7	7112.7	7176.6
40°	9525.1	9549.1	9387.8	9076.5	8707.7	8105.8	7593.3	7713.0	7665.1	7772.1
42.5°	10173.3	10221.2	10080.7	9924.3	9710.3	9180.3	8538.5	8517.7	8441.1	8498.5
45°	10733.7	10773.7	10647.5	10610.8	10606.0	10234.0	9571.4	9446.9	9339.9	9328.8
47.5°	10939.7	11016.3	11070.6	11193.5	11433.0	11276.6	10639.5	10446.4	10326.6	10238.8
50°	11017.9	11099.4	11284.6	11642.2	12209.0	12276.0	11702.9	11485.7	11338.8	11179.2
52.5°	10912.6	11057.8	11306.9	11908.8	12731.0	13077.5	12723.1	12533.1	12365.4	12105.2
55°	10291.5	10436.8	10946.1	11905.6	12991.3	13639.5	13687.4	13602.8	13414.4	13004.1
57.5°	8982.3	9197.8	10004.1	11500.1	12986.5	14123.3	14632.6	14693.2	14482.5	13894.9
60°	7168.6	7460.8	8444.3	10601.2	12585.8	14385.1	15461.2	15764.5	15541.0	14773.1
62.5°	5002.1	5340.5	6271.3	9193.0	11669.3	14196.7	16066.3	16626.7	16457.4	15558.6
65°	3051.0	3159.6	3910.0	7234.1	10111.1	13408.0	16253.1	17092.9	17037.0	16039.1
67.5°	2032.4	2123.4	2339.0	4960.5	7848.7	11832.2	15806.0	17011.4	17027.4	15960.9
70°	1224.6	1302.8	1443.3	2885.0	5086.7	9365.5	14421.8	15973.7	16066.3	14915.2
72.5°	504.5	557.2	684.9	1307.6	2634.3	5944.0	11484.1	13714.5	13930.1	12541.1
75°	285.8	312.9	402.3	656.2	1143.1	2770.0	6956.3	9735.9	10053.6	8643.8
77.5°	190.0	202.8	260.2	424.7	643.4	945.2	2972.8	5072.3	5679.0	4721.1
80°	127.7	138.9	178.8	284.2	418.3	405.5	946.8	1879.2	2311.8	1622.1
82.5°	86.2	87.8	127.7	186.8	265.0	196.4	279.4	584.3	734.4	469.4
85°	49.5	47.9	94.2	108.6	118.1	81.4	84.6	175.6	229.9	198.0
87.5°	6.4	9.6	36.7	28.7	16.0	17.6	17.6	30.3	44.7	47.9
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°
2770.0	0°	2770.0	2770.0	2770.0	2770.0	2770.0	2770.0	2770.0	2770.0	2770.0	2770.0
2773.2	2.5°	2773.2	2771.6	2766.9	2762.1	2750.9	2744.5	2747.7	2744.5	2742.9	2744.5
2794.0	5°	2794.0	2789.2	2776.4	2760.5	2738.1	2711.0	2693.4	2667.9	2643.9	2629.5
2849.9	7.5°	2849.9	2845.1	2827.5	2782.8	2711.0	2597.6	2493.8	2402.8	2334.2	2294.3
2939.3	10°	2939.3	2931.3	2904.2	2805.2	2616.8	2369.3	2163.4	1992.5	1880.8	1828.1
3044.7	12.5°	3044.7	3035.1	2987.2	2784.4	2438.0	2051.6	1767.4	1577.4	1473.6	1427.3
3166.0	15°	3169.2	3156.4	3062.2	2685.4	2177.7	1700.3	1440.1	1298.0	1231.0	1189.4
3320.9	17.5°	3324.1	3301.7	3118.1	2536.9	1895.1	1432.1	1238.9	1132.0	1072.9	1033.0
3523.6	20°	3525.2	3488.5	3162.8	2359.7	1634.9	1262.9	1103.2	1013.8	969.1	934.0
3811.0	22.5°	3806.2	3753.5	3217.1	2168.1	1451.3	1146.3	1002.6	937.2	900.5	860.6
4211.8	25°	4154.3	4092.0	3284.1	1990.9	1325.2	1045.8	929.2	874.9	831.8	785.5
4737.0	27.5°	4641.2	4529.5	3364.0	1845.6	1216.6	959.5	862.1	801.5	752.0	713.7
5332.5	30°	5184.1	5000.5	3434.2	1757.8	1117.6	879.7	774.3	713.7	667.4	640.2
5867.4	32.5°	5698.2	5449.1	3480.5	1719.5	1028.2	788.7	678.5	613.1	578.0	570.0
6391.1	35°	6183.5	5854.6	3475.7	1682.8	948.4	697.7	584.3	517.3	490.1	494.9
6954.7	37.5°	6742.3	6287.3	3442.2	1625.3	882.9	614.7	502.9	443.8	419.9	421.5
7639.6	40°	7392.1	6787.0	3421.4	1516.7	811.1	538.0	435.9	388.0	370.4	364.0
8361.2	42.5°	8085.0	7270.8	3424.6	1393.8	721.6	469.4	389.6	349.6	333.7	328.9
9164.3	45°	8781.1	7732.2	3429.4	1266.1	627.5	416.7	356.0	322.5	312.9	306.5
9978.6	47.5°	9435.7	8124.9	3340.0	1128.8	534.9	376.8	328.9	306.5	298.6	290.6
10796.0	50°	10045.6	8386.8	3124.5	969.1	461.4	344.9	308.1	292.2	284.2	276.2
11536.8	52.5°	10519.8	8428.3	2768.5	804.7	410.3	320.9	295.4	281.0	271.4	263.4
12135.5	55°	10730.5	8168.0	2262.3	651.4	370.4	300.2	282.6	268.2	257.0	249.1
12606.5	57.5°	10676.3	7620.4	1764.2	523.7	332.1	279.4	266.6	257.0	244.3	231.5
12988.1	60°	10409.6	6887.6	1329.9	435.9	297.0	257.0	249.1	241.1	223.5	204.4
13135.0	62.5°	9948.2	5966.4	948.4	360.8	258.6	231.5	228.3	221.9	196.4	161.3
12917.8	65°	9242.5	4847.2	638.6	300.2	221.9	202.8	204.4	193.2	159.7	119.7
12122.8	67.5°	8211.2	3544.4	408.7	245.9	185.2	169.2	170.8	164.4	135.7	102.2
10615.6	70°	6897.2	2347.0	266.6	186.8	148.5	130.9	140.5	142.1	115.0	83.0
8147.3	72.5°	5056.3	1385.8	186.8	138.9	108.6	91.0	115.0	118.1	92.6	62.3
4901.5	75°	2881.8	657.8	140.5	100.6	67.1	63.9	89.4	89.4	63.9	41.5
2121.8	77.5°	1210.2	274.6	99.0	65.5	38.3	36.7	60.7	55.9	31.9	19.2
517.3	80°	349.6	122.9	52.7	31.9	16.0	14.4	23.9	17.6	8.0	3.2
196.4	82.5°	137.3	54.3	20.8	12.8	6.4	6.4	3.2	0.0	0.0	0.0
111.8	85°	81.4	22.4	9.6	4.8	1.6	0.0	0.0	0.0	0.0	0.0
23.9	87.5°	20.8	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°
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2770.0
2750.9
2632.7
2295.9
1823.3
1422.5
1191.0
1029.8
927.6
854.2
780.7
705.7
635.4
574.8
494.9
427.9
362.4
327.3
306.5
290.6
276.2
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