

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: P852916

Luminaire Tested: **GLAN-SB7B-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852916  
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-SB7B-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 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: 25105 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

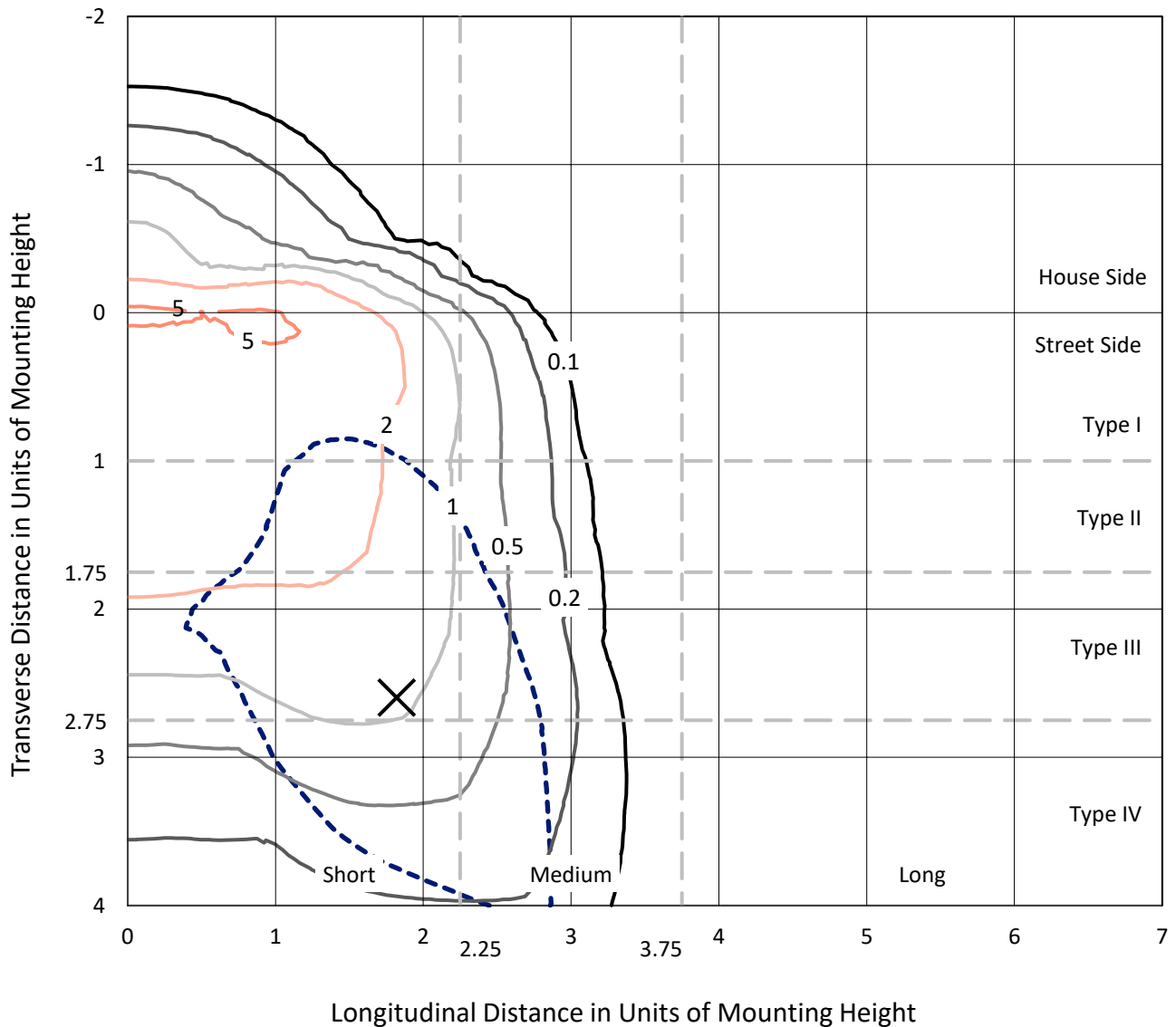
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

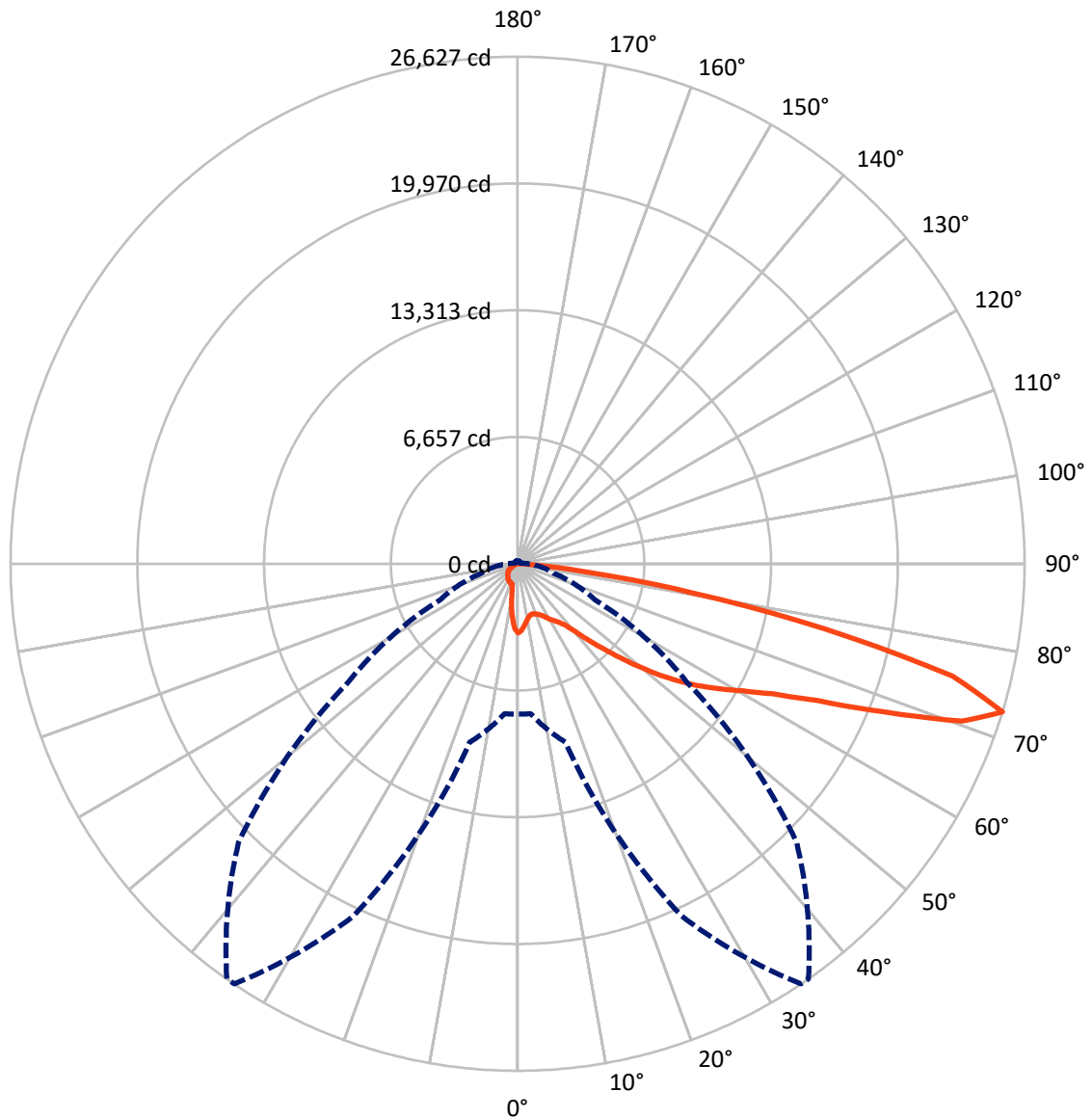
× Max cd  
 - - - 1/2 Max cd



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	2825.4	0.0	2825.4
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	22279.5	0.0	22279.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	25105.0	0.0	25105.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.0	1.2
10°-20°	699.5	2.8
20°-30°	1136.2	4.5
30°-40°	1895.8	7.6
40°-50°	3586.9	14.3
50°-60°	5699.6	22.7
60°-70°	7050.8	28.1
70°-80°	4382.8	17.5
80°-90°	354.2	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°	25105.0	100.0
0°-180°	25105.0	100.0

**Coefficient of Utilization**

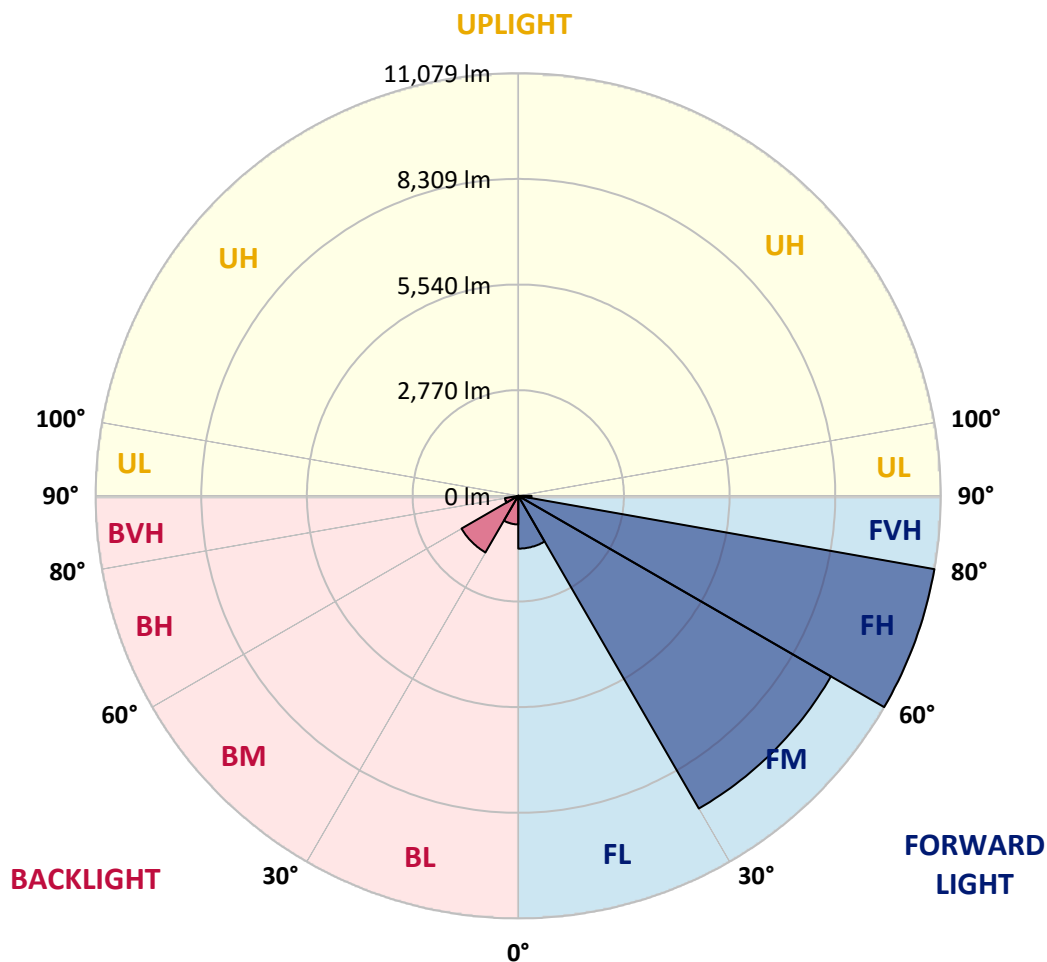


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1383.9	5.5			
FM	(30°-60°)	9467.1	37.7			
FH	(60°-80°)	11079.1	44.1			G4/12000
FVH	(80°-90°)	349.4	1.4			G3/500
BL	(0°-30°)	750.8	3.0	B2/1000		
BM	(30°-60°)	1715.3	6.8	B2/2500		
BH	(60°-80°)	354.5	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°	3638.6	3638.6	3638.6	3638.6	3638.6	3638.6	3638.6	3638.6	3638.6	3638.6
2.5°	3476.7	3506.1	3511.6	3520.8	3520.8	3531.9	3550.3	3576.0	3618.3	3640.4
5°	3204.4	3226.5	3254.1	3276.2	3318.5	3324.0	3395.7	3465.6	3563.1	3636.7
7.5°	2930.3	2956.1	2992.9	3046.2	3101.4	3118.0	3226.5	3344.2	3498.8	3636.7
10°	2737.2	2739.0	2772.1	2825.5	2913.8	2934.0	3066.5	3233.9	3427.0	3614.6
12.5°	2628.7	2641.5	2656.3	2696.7	2781.3	2794.2	2935.9	3132.7	3355.3	3601.8
15°	2628.7	2637.9	2647.1	2667.3	2735.4	2746.4	2871.5	3068.3	3318.5	3607.3
17.5°	2656.3	2671.0	2663.6	2687.5	2759.3	2766.6	2877.0	3049.9	3316.6	3642.2
20°	2722.5	2733.5	2718.8	2733.5	2805.3	2820.0	2934.0	3084.9	3347.9	3702.9
22.5°	2827.3	2832.8	2797.9	2808.9	2882.5	2900.9	3033.4	3184.2	3423.3	3800.4
25°	2959.8	2970.8	2917.5	2930.3	3000.2	3022.3	3175.0	3333.2	3542.9	3934.7
27.5°	3112.5	3118.0	3072.0	3070.1	3160.3	3191.6	3346.1	3517.1	3702.9	4104.0
30°	3287.2	3303.8	3259.6	3252.3	3366.3	3392.1	3544.7	3743.4	3938.4	4357.8
32.5°	3425.2	3438.0	3412.3	3430.7	3546.6	3566.8	3785.7	4063.5	4308.1	4718.4
35°	3623.8	3631.2	3572.3	3605.4	3737.9	3789.4	4115.0	4512.3	4773.5	5170.9
37.5°	4343.1	4343.1	4092.9	3929.2	4056.1	4102.1	4565.7	5077.1	5347.5	5777.9
40°	5338.3	5321.7	4955.6	4620.9	4604.3	4694.4	5207.7	5788.9	6088.8	6506.4
42.5°	6399.7	6373.9	5875.4	5544.3	5489.1	5520.4	5949.0	6666.4	6971.8	7394.8
45°	7341.5	7334.1	6877.9	6432.8	6333.4	6432.8	6874.3	7692.8	7911.7	8356.9
47.5°	8130.6	8130.6	7797.7	7507.1	7455.5	7514.4	8127.0	8831.5	8811.3	9381.5
50°	9039.4	9032.0	8715.6	8590.5	8643.9	8726.6	9569.1	10030.9	9742.1	10387.7
52.5°	9675.8	9720.0	9611.5	9591.2	9863.5	10006.9	11033.4	11204.5	10575.4	11342.4
55°	10179.9	10231.4	10356.5	10498.1	11022.4	11210.0	12451.7	12317.4	11272.5	12170.2
57.5°	10893.6	10820.0	11013.2	11292.8	12140.8	12367.0	13825.8	13367.7	11833.6	12841.6
60°	11760.0	11771.0	11804.2	12157.3	13257.4	13548.0	15179.7	14361.1	12194.1	13253.7
62.5°	12801.2	12817.7	12885.8	13428.4	14756.6	15030.7	16621.8	15174.1	12359.7	13137.8
65°	12729.4	12799.3	13559.0	15415.1	17035.7	17306.1	18305.0	15744.4	12109.5	12078.2
67.5°	11596.3	11710.3	12981.4	17788.1	20471.9	20773.6	20339.5	15856.6	11029.7	9392.6
70°	10110.0	10150.4	11679.1	19921.9	24450.8	24756.2	22160.6	14622.3	8369.8	5238.9
72.5°	7895.2	7904.4	9697.9	20416.8	26610.4	26626.9	20731.3	10855.0	4501.3	2012.4
75°	5639.9	5584.8	6495.3	16557.5	23411.5	23599.1	15542.0	5091.8	1719.9	951.0
77.5°	3024.2	3084.9	3675.3	9819.3	16173.0	16493.1	8480.2	1467.9	875.6	647.5
80°	934.5	986.0	1506.6	4495.8	9160.8	9353.9	3143.7	653.0	610.7	461.7
82.5°	294.3	305.4	702.7	1889.2	3802.3	3890.6	910.6	369.7	417.6	305.4
85°	84.6	86.5	312.7	704.5	940.0	958.4	255.7	143.5	239.1	189.5
87.5°	9.2	29.4	117.7	117.7	82.8	80.9	27.6	31.3	68.1	23.9
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°
3638.6	0°	3638.6	3638.6	3638.6	3638.6	3638.6	3638.6	3638.6	3638.6	3638.6	3638.6
3655.1	2.5°	3645.9	3647.8	3623.8	3583.4	3539.2	3502.4	3456.4	3419.7	3393.9	3386.5
3688.2	5°	3671.7	3658.8	3590.7	3467.5	3320.3	3193.4	3051.8	2939.5	2866.0	2834.7
3723.2	7.5°	3710.3	3673.5	3524.5	3281.7	3000.2	2750.1	2496.2	2299.4	2174.3	2111.8
3756.3	10°	3743.4	3669.8	3414.1	3013.1	2582.7	2203.7	1861.6	1624.3	1491.8	1429.3
3794.9	12.5°	3774.7	3668.0	3270.7	2694.9	2111.8	1648.2	1330.0	1212.2	1175.4	1162.6
3857.5	15°	3833.5	3673.5	3090.4	2330.7	1642.7	1245.4	1129.5	1127.6	1135.0	1131.3
3953.1	17.5°	3914.5	3679.0	2886.2	1944.4	1267.4	1098.2	1092.7	1109.2	1120.3	1114.7
4072.7	20°	4019.3	3701.1	2669.1	1561.7	1089.0	1061.4	1074.3	1089.0	1098.2	1089.0
4232.7	22.5°	4166.5	3739.7	2431.8	1254.5	1032.0	1039.3	1050.4	1066.9	1076.1	1063.2
4436.9	25°	4346.8	3800.4	2198.2	1090.8	1004.4	1013.6	1030.1	1048.5	1059.6	1046.7
4694.4	27.5°	4580.4	3897.9	1983.0	1054.0	976.8	982.3	1006.2	1033.8	1048.5	1032.0
5060.5	30°	4918.9	4058.0	1797.2	1070.6	960.2	947.3	980.5	1019.1	1035.6	1020.9
5559.0	32.5°	5367.7	4284.2	1683.2	1096.3	952.9	906.9	938.2	987.8	1015.4	1006.2
6210.2	35°	5956.3	4628.2	1639.0	1125.8	947.3	864.6	886.6	940.0	987.8	997.0
7030.6	37.5°	6670.1	5106.5	1651.9	1138.7	930.8	829.6	840.7	886.6	949.2	978.6
7954.1	40°	7481.3	5663.9	1725.5	1125.8	912.4	800.2	802.0	837.0	892.2	936.3
8947.4	42.5°	8318.3	6315.0	1861.6	1078.0	895.8	774.4	768.9	792.8	829.6	860.9
9938.9	45°	9114.8	6984.6	1995.9	1011.7	875.6	748.7	735.8	745.0	752.4	765.2
10904.6	47.5°	9810.1	7455.5	1957.2	951.0	848.0	719.2	697.2	693.5	671.4	669.6
11767.4	50°	10290.2	7558.6	1738.3	890.3	807.5	686.1	651.2	629.1	590.5	572.1
12413.0	52.5°	10442.9	7152.0	1420.1	829.6	741.3	642.0	592.3	557.4	509.5	493.0
12784.6	55°	10240.6	6355.5	1135.0	756.0	649.3	583.1	527.9	482.0	443.3	423.1
12825.1	57.5°	9745.7	5341.9	897.7	669.6	551.9	516.9	461.7	415.7	382.6	362.4
12376.2	60°	8925.3	4241.9	710.1	566.6	470.9	445.2	388.1	358.7	329.3	305.4
11217.3	62.5°	7680.0	3027.8	557.4	448.8	393.7	364.2	331.1	309.0	274.1	241.0
9133.2	65°	5993.1	1852.4	430.4	329.3	316.4	301.7	281.4	261.2	218.9	185.8
5958.2	67.5°	3780.2	877.4	307.2	248.3	250.2	242.8	233.6	217.1	185.8	156.4
2669.1	70°	1664.8	424.9	202.3	189.5	185.8	185.8	193.1	187.6	158.2	130.6
927.1	72.5°	566.6	228.1	150.8	143.5	134.3	132.4	161.9	156.4	126.9	101.2
461.7	75°	296.2	152.7	110.4	103.0	80.9	97.5	128.8	121.4	90.1	66.2
305.4	77.5°	193.1	108.5	75.4	66.2	46.0	64.4	95.7	84.6	53.3	33.1
200.5	80°	121.4	71.7	44.1	31.3	22.1	35.0	51.5	36.8	20.2	7.4
117.7	82.5°	64.4	36.8	16.6	11.0	9.2	11.0	12.9	9.2	3.7	0.0
60.7	85°	25.8	12.9	5.5	3.7	1.8	0.0	3.7	1.8	0.0	0.0
11.0	87.5°	9.2	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°
3638.6
3399.4
2845.7
2121.0
1431.1
1158.9
1129.5
1112.9
1087.2
1061.4
1044.8
1032.0
1019.1
1006.2
997.0
986.0
951.0
873.8
772.6
667.7
573.9
491.1
423.1
358.7
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