

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: P852920

Luminaire Tested: **GLAN-SB7B-850-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852920  
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-850-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

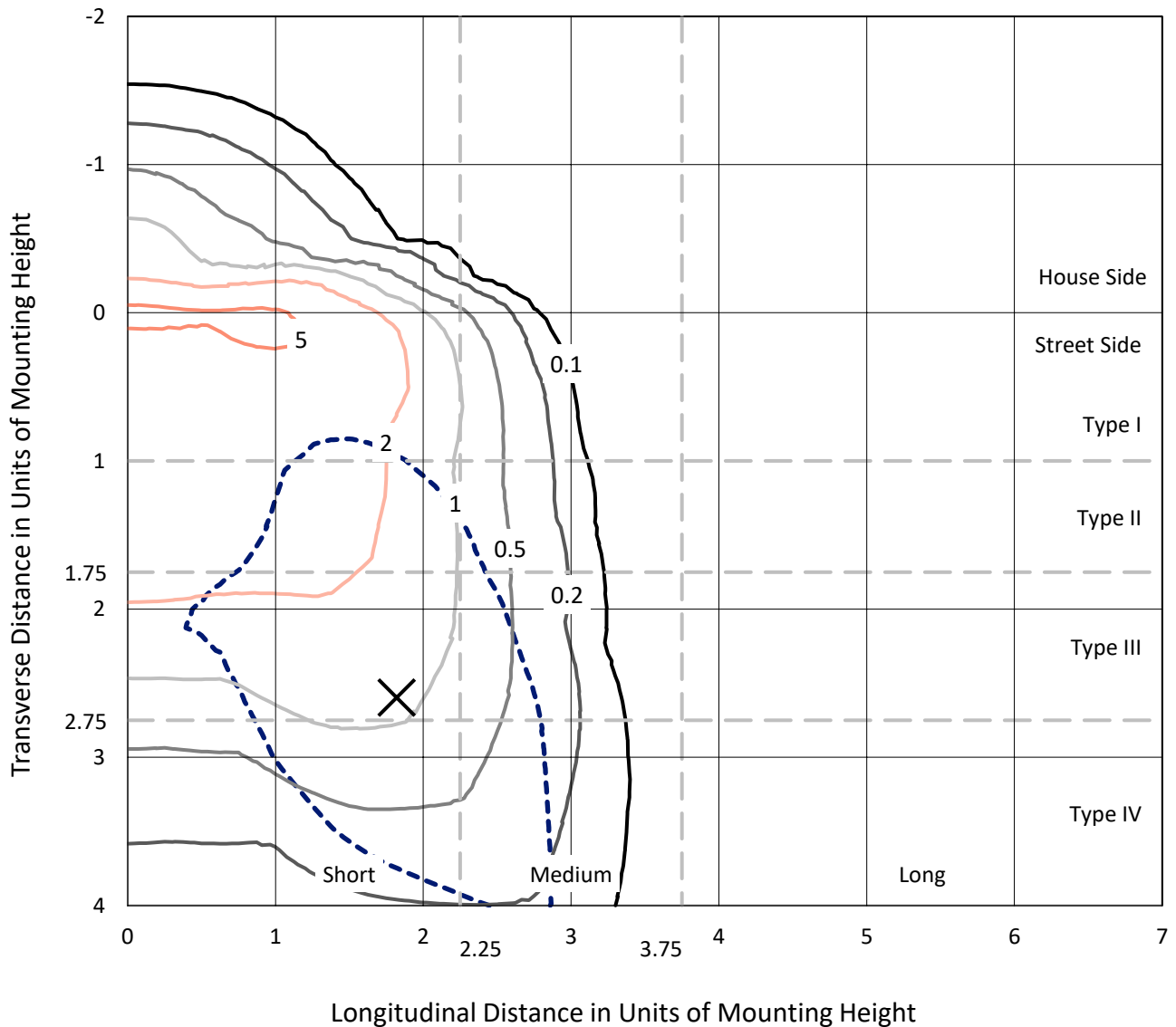
Lumens per Lamp: N/A  
Luminaire Lumens: 26035 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

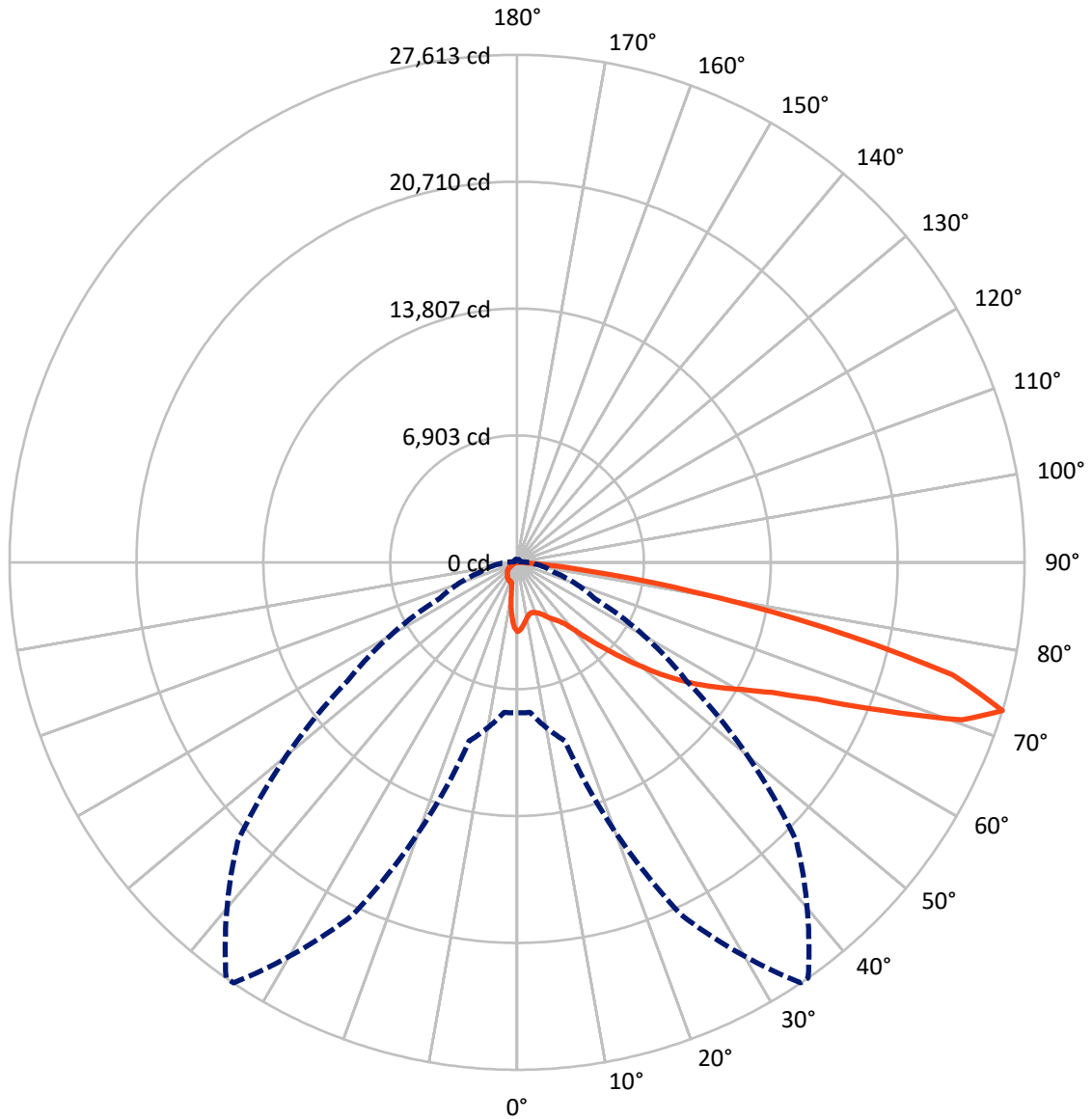
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	2930.1	0.0	2930.1
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	23104.9	0.0	23104.9
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	26035.0	0.0	26035.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.1	1.2
10°-20°	725.4	2.8
20°-30°	1178.3	4.5
30°-40°	1966.1	7.6
40°-50°	3719.8	14.3
50°-60°	5910.8	22.7
60°-70°	7312.0	28.1
70°-80°	4545.2	17.5
80°-90°	367.3	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°	26035.0	100.0
0°-180°	26035.0	100.0

**Coefficient of Utilization**



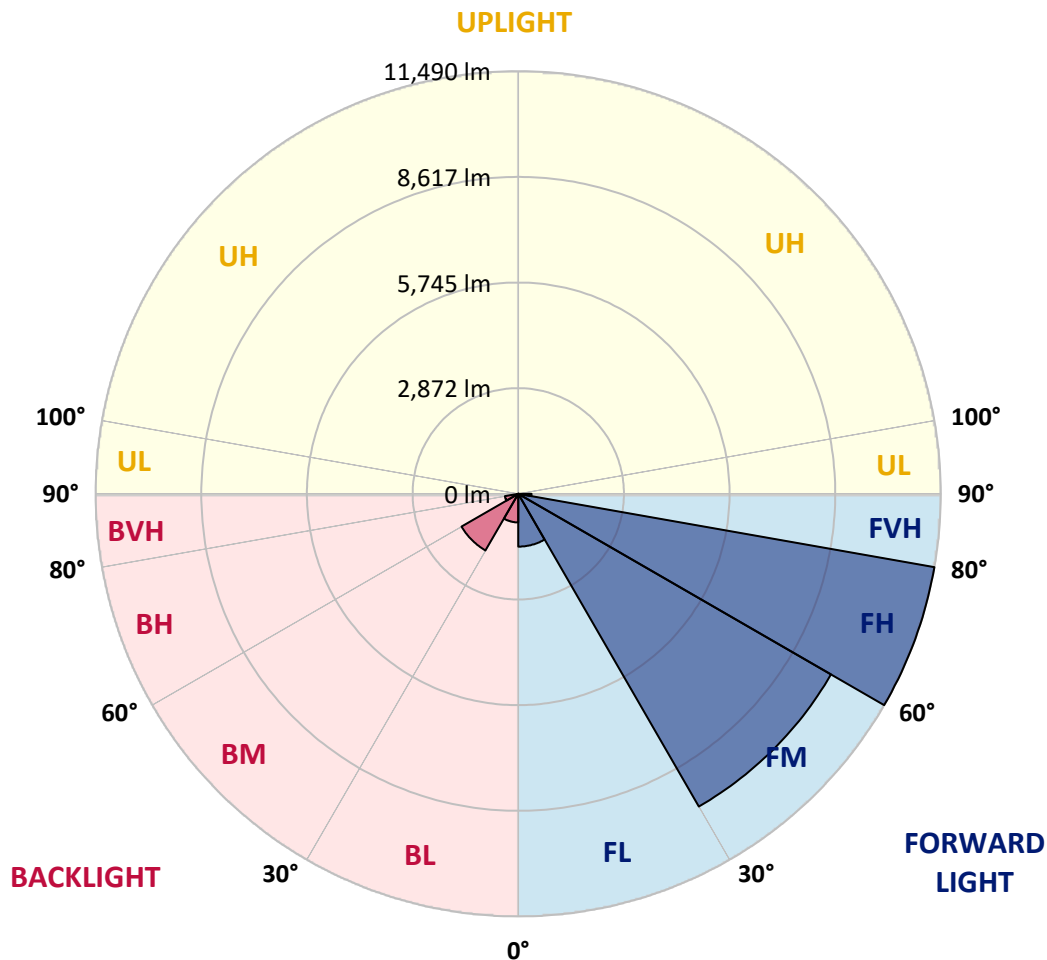
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1435.2	5.5			
FM (30°-60°)	9817.8	37.7			
FH (60°-80°)	11489.6	44.1			G4/12000
FVH (80°-90°)	362.3	1.4			G3/500
BL (0°-30°)	778.6	3.0	B2/1000		
BM (30°-60°)	1778.8	6.8	B2/2500		
BH (60°-80°)	367.7	1.4	B1/500		G1/500
BVH (80°-90°)	5.0	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°	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3
2.5°	3605.5	3636.0	3641.7	3651.3	3651.3	3662.7	3681.8	3708.5	3752.4	3775.3
5°	3323.1	3346.0	3374.6	3397.5	3441.4	3447.1	3521.5	3594.0	3695.1	3771.4
7.5°	3038.9	3065.6	3103.8	3159.1	3216.3	3233.5	3346.0	3468.1	3628.4	3771.4
10°	2838.6	2840.5	2874.8	2930.2	3021.7	3042.7	3180.1	3353.7	3554.0	3748.5
12.5°	2726.0	2739.4	2754.7	2796.6	2884.4	2897.7	3044.6	3248.7	3479.6	3735.2
15°	2726.0	2735.6	2745.1	2766.1	2836.7	2848.1	2977.9	3182.0	3441.4	3740.9
17.5°	2754.7	2769.9	2762.3	2787.1	2861.5	2869.1	2983.6	3162.9	3439.5	3777.2
20°	2823.3	2834.8	2819.5	2834.8	2909.2	2924.4	3042.7	3199.1	3471.9	3840.1
22.5°	2932.1	2937.8	2901.5	2913.0	2989.3	3008.4	3145.7	3302.2	3550.1	3941.2
25°	3069.4	3080.9	3025.5	3038.9	3111.4	3134.3	3292.6	3456.7	3674.1	4080.5
27.5°	3227.8	3233.5	3185.8	3183.9	3277.4	3309.8	3470.0	3647.4	3840.1	4256.0
30°	3409.0	3426.2	3380.4	3372.7	3491.0	3517.7	3676.1	3882.1	4084.3	4519.2
32.5°	3552.1	3565.4	3538.7	3557.8	3678.0	3698.9	3926.0	4214.0	4467.7	4893.1
35°	3758.1	3765.7	3704.7	3739.0	3876.4	3929.8	4267.4	4679.5	4950.4	5362.4
37.5°	4504.0	4504.0	4244.5	4074.8	4206.4	4254.1	4734.8	5265.1	5545.6	5991.9
40°	5536.0	5518.9	5139.2	4792.0	4774.9	4868.3	5400.6	6003.4	6314.3	6747.4
42.5°	6636.7	6610.0	6093.1	5749.7	5692.4	5724.9	6169.4	6913.3	7230.0	7668.8
45°	7613.5	7605.8	7132.7	6671.1	6568.1	6671.1	7128.9	7977.8	8204.8	8666.5
47.5°	8431.8	8431.8	8086.6	7785.1	7731.7	7792.8	8428.0	9158.7	9137.7	9729.0
50°	9374.2	9366.6	9038.5	8908.8	8964.1	9049.9	9923.6	10402.5	10102.9	10772.5
52.5°	10034.3	10080.1	9967.5	9946.5	10228.9	10377.7	11442.1	11619.5	10967.1	11762.6
55°	10557.0	10610.4	10740.1	10887.0	11430.7	11625.3	12912.9	12773.7	11690.1	12621.1
57.5°	11297.1	11220.8	11421.1	11711.1	12590.5	12825.2	14337.9	13862.9	12272.0	13317.3
60°	12195.6	12207.1	12241.4	12607.7	13748.5	14049.9	15742.0	14893.1	12645.9	13744.7
62.5°	13275.4	13292.5	13363.1	13925.9	15303.2	15587.5	17237.6	15736.3	12817.5	13624.5
65°	13201.0	13273.5	14061.3	15986.2	17666.8	17947.2	18983.1	16327.6	12558.1	12525.7
67.5°	12025.9	12144.1	13462.3	18447.0	21230.3	21543.2	21093.0	16444.0	11438.3	9740.5
70°	10484.5	10526.4	12111.7	20659.9	25356.6	25673.2	22981.5	15164.0	8679.8	5433.0
72.5°	8187.7	8197.2	10057.2	21173.1	27596.2	27613.3	21499.3	11257.1	4668.0	2087.0
75°	5848.9	5791.6	6735.9	17170.8	24278.7	24473.3	16117.8	5280.4	1783.7	986.3
77.5°	3136.2	3199.1	3811.5	10183.1	16772.1	17104.0	8794.3	1522.3	908.0	671.5
80°	969.1	1022.5	1562.4	4662.3	9500.1	9700.4	3260.2	677.2	633.3	478.8
82.5°	305.2	316.7	728.7	1959.2	3943.1	4034.7	944.3	383.4	433.0	316.7
85°	87.8	89.7	324.3	730.6	974.8	993.9	265.2	148.8	248.0	196.5
87.5°	9.5	30.5	122.1	122.1	85.8	83.9	28.6	32.4	70.6	24.8
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°
3773.3	0°	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3
3790.5	2.5°	3781.0	3782.9	3758.1	3716.1	3670.3	3632.2	3584.5	3546.3	3519.6	3512.0
3824.9	5°	3807.7	3794.3	3723.7	3595.9	3443.3	3311.7	3164.8	3048.4	2972.1	2939.7
3861.1	7.5°	3847.7	3809.6	3655.1	3403.3	3111.4	2851.9	2588.7	2384.6	2254.8	2190.0
3895.4	10°	3882.1	3805.8	3540.6	3124.7	2678.3	2285.4	1930.5	1684.5	1547.1	1482.2
3935.5	12.5°	3914.5	3803.9	3391.8	2794.7	2190.0	1709.3	1379.2	1257.1	1219.0	1205.6
4000.4	15°	3975.6	3809.6	3204.9	2417.0	1703.5	1291.5	1171.3	1169.4	1177.0	1173.2
4099.6	17.5°	4059.5	3815.3	2993.1	2016.4	1314.4	1138.9	1133.1	1150.3	1161.8	1156.0
4223.6	20°	4168.2	3838.2	2768.0	1619.6	1129.3	1100.7	1114.1	1129.3	1138.9	1129.3
4389.5	22.5°	4320.8	3878.3	2521.9	1301.0	1070.2	1077.8	1089.3	1106.4	1116.0	1102.6
4601.3	25°	4507.8	3941.2	2279.6	1131.2	1041.6	1051.1	1068.3	1087.4	1098.8	1085.5
4868.3	27.5°	4750.1	4042.3	2056.5	1093.1	1013.0	1018.7	1043.5	1072.1	1087.4	1070.2
5248.0	30°	5101.1	4208.3	1863.8	1110.3	995.8	982.4	1016.8	1056.8	1074.0	1058.7
5764.9	32.5°	5566.5	4442.9	1745.5	1137.0	988.2	940.5	972.9	1024.4	1053.0	1043.5
6440.2	35°	6177.0	4799.7	1699.7	1167.5	982.4	896.6	919.5	974.8	1024.4	1033.9
7291.1	37.5°	6917.2	5295.7	1713.1	1180.8	965.3	860.4	871.8	919.5	984.4	1014.9
8248.7	40°	7758.4	5873.7	1789.4	1167.5	946.2	829.8	831.7	868.0	925.2	971.0
9278.8	42.5°	8626.4	6549.0	1930.5	1117.9	929.0	803.1	797.4	822.2	860.4	892.8
10307.1	45°	9452.4	7243.4	2069.8	1049.2	908.0	776.4	763.1	772.6	780.2	793.6
11308.6	47.5°	10173.5	7731.7	2029.7	986.3	879.4	745.9	723.0	719.2	696.3	694.4
12203.3	50°	10671.4	7838.6	1802.7	923.3	837.5	711.6	675.3	652.4	612.4	593.3
12872.9	52.5°	10829.8	7417.0	1472.7	860.4	768.8	665.8	614.3	578.0	528.4	511.3
13258.2	55°	10619.9	6591.0	1177.0	784.0	673.4	604.7	547.5	499.8	459.7	438.8
13300.2	57.5°	10106.8	5539.8	930.9	694.4	572.3	536.1	478.8	431.1	396.8	375.8
12834.7	60°	9255.9	4399.1	736.4	587.6	488.4	461.7	402.5	372.0	341.5	316.7
11632.9	62.5°	7964.5	3140.0	578.0	465.5	408.2	377.7	343.4	320.5	284.2	249.9
9471.5	65°	6215.1	1921.0	446.4	341.5	328.1	312.9	291.9	270.9	227.0	192.7
6178.9	67.5°	3920.2	910.0	318.6	257.5	259.4	251.8	242.3	225.1	192.7	162.2
2768.0	70°	1726.4	440.7	209.8	196.5	192.7	192.7	200.3	194.6	164.1	135.4
961.5	72.5°	587.6	236.5	156.4	148.8	139.3	137.4	167.9	162.2	131.6	104.9
478.8	75°	307.1	158.3	114.5	106.8	83.9	101.1	133.5	125.9	93.5	68.7
316.7	77.5°	200.3	112.6	78.2	68.7	47.7	66.8	99.2	87.8	55.3	34.3
207.9	80°	125.9	74.4	45.8	32.4	22.9	36.2	53.4	38.2	21.0	7.6
122.1	82.5°	66.8	38.2	17.2	11.4	9.5	11.4	13.4	9.5	3.8	0.0
63.0	85°	26.7	13.4	5.7	3.8	1.9	0.0	3.8	1.9	0.0	0.0
11.4	87.5°	9.5	1.9	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°
3773.3
3525.3
2951.1
2199.5
1484.2
1201.8
1171.3
1154.1
1127.4
1100.7
1083.5
1070.2
1056.8
1043.5
1033.9
1022.5
986.3
906.1
801.2
692.5
595.2
509.3
438.8
372.0
310.9
244.2
187.0
158.3
129.7
99.2
63.0
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5.7
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