

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: P852576

Luminaire Tested: **GLAN-SB4D-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852576  
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-SB4D-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 900mA 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: 25567 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

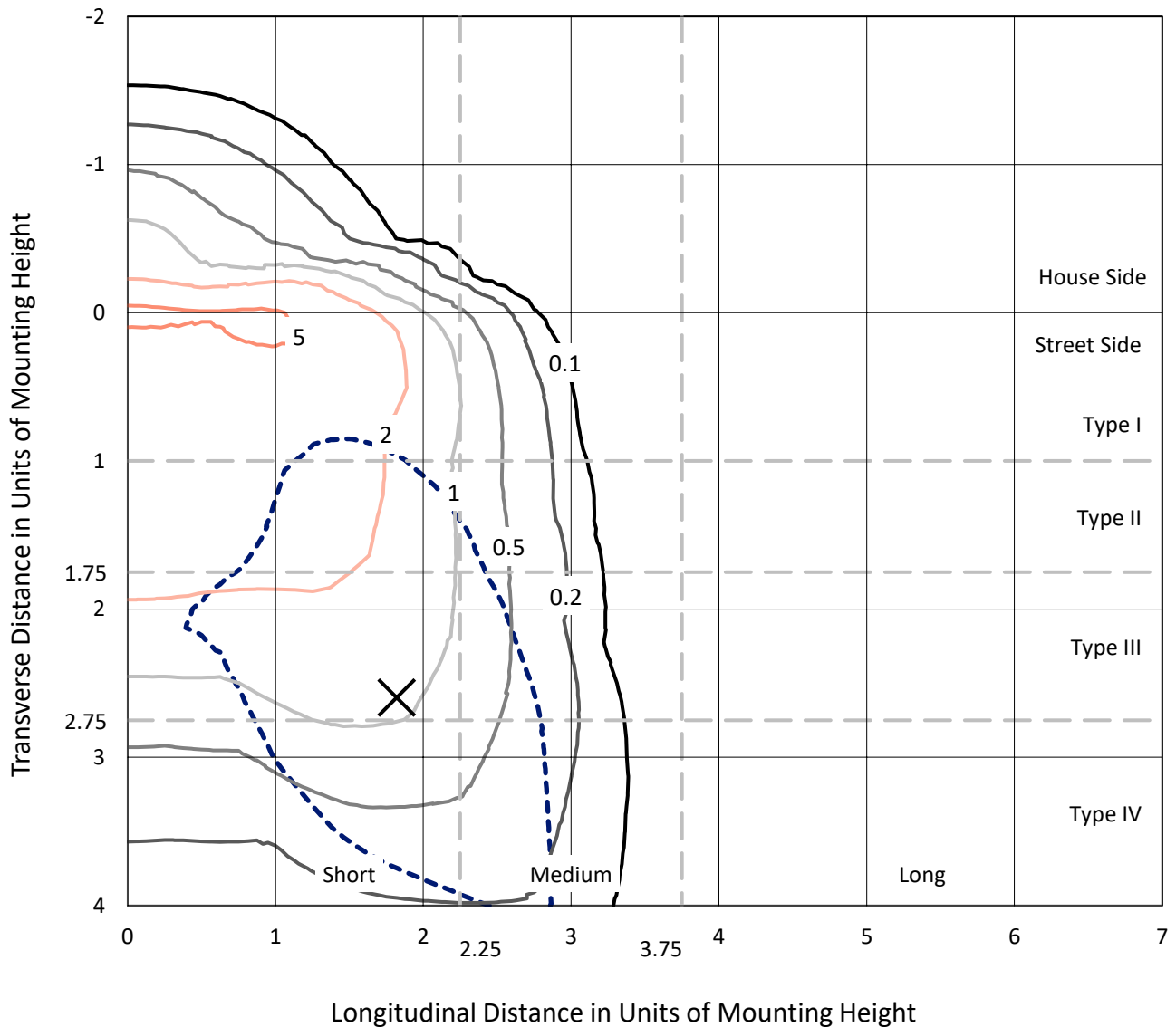
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

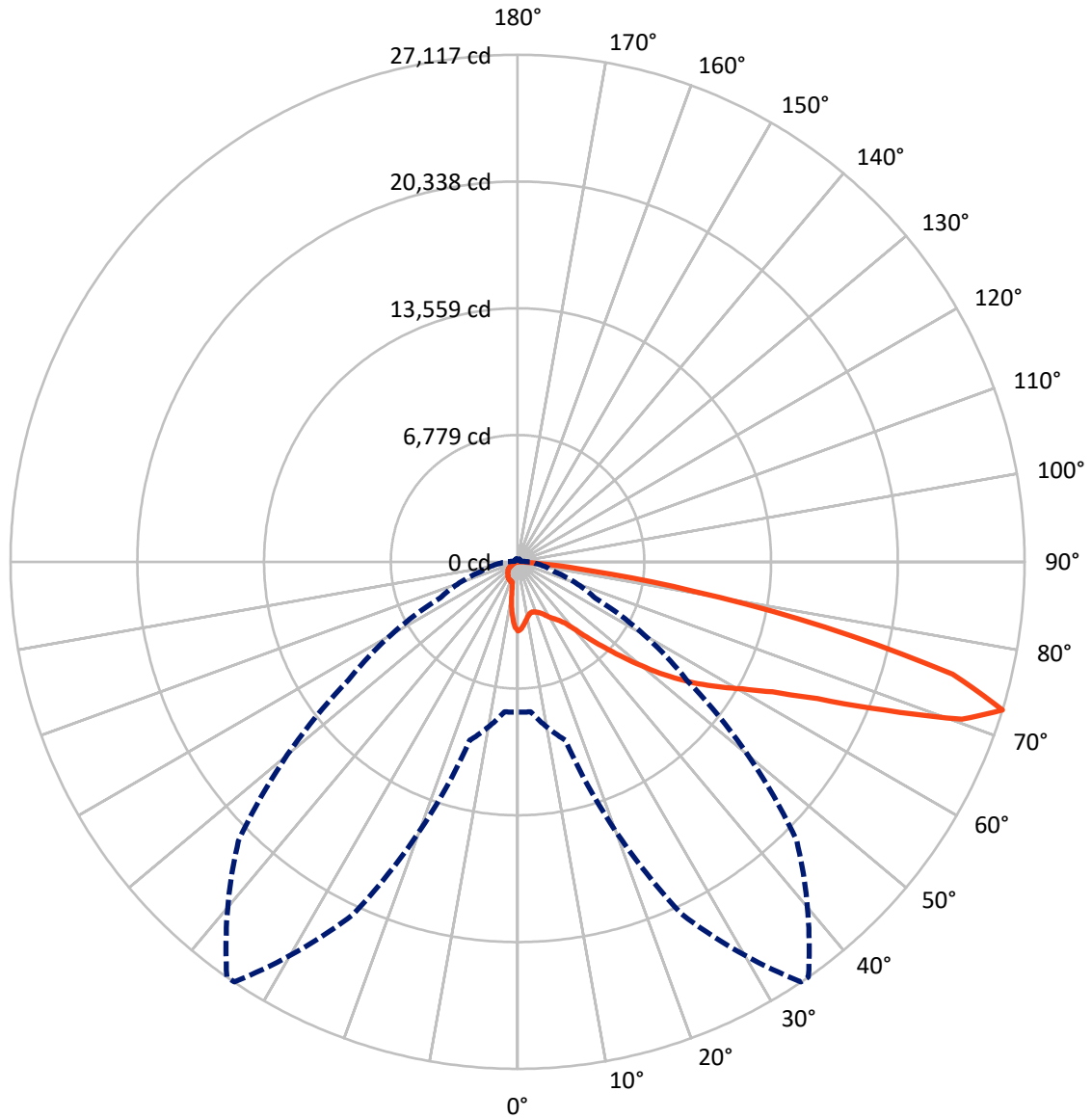
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	2877.5	0.0	2877.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	22689.6	0.0	22689.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	25567.0	0.0	25567.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	304.5	1.2
10°-20°	712.3	2.8
20°-30°	1157.2	4.5
30°-40°	1930.7	7.6
40°-50°	3653.0	14.3
50°-60°	5804.5	22.7
60°-70°	7180.6	28.1
70°-80°	4463.5	17.5
80°-90°	360.7	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°	25567.0	100.0
0°-180°	25567.0	100.0

**Coefficient of Utilization**



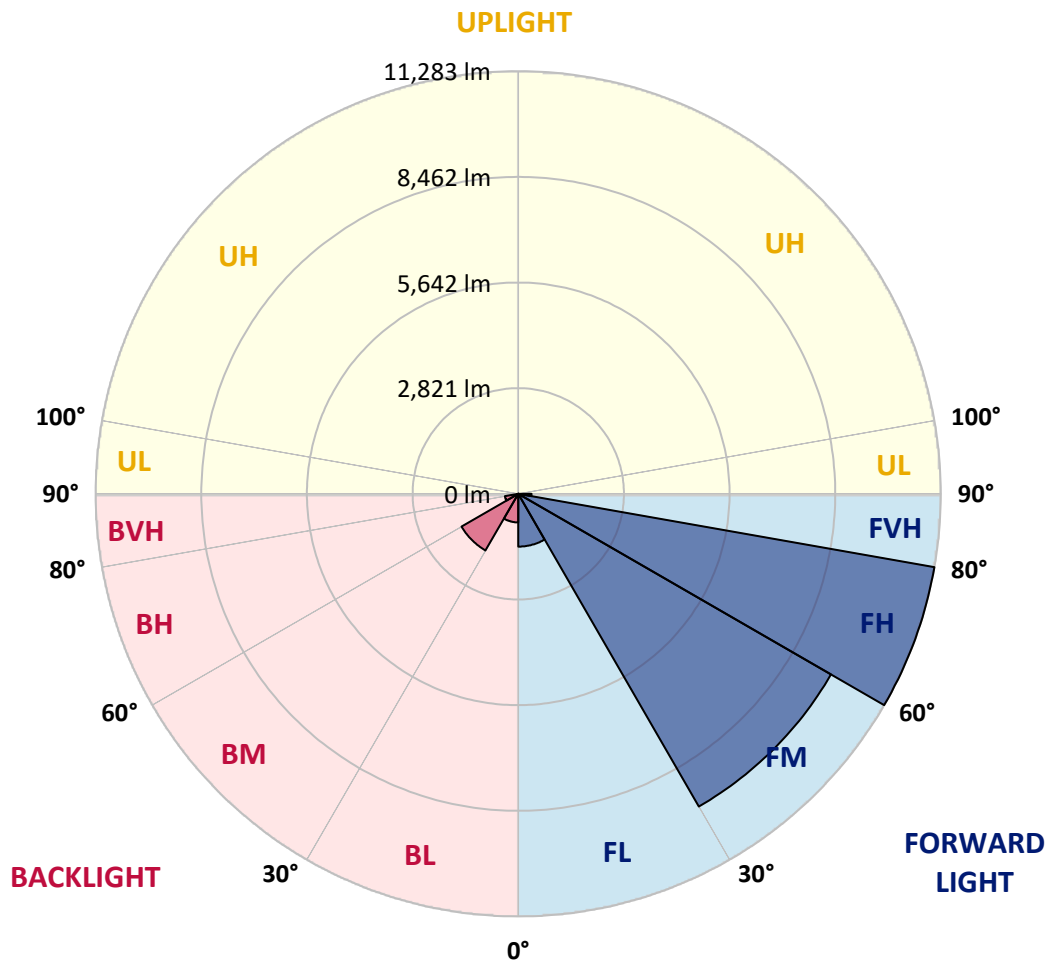
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1409.4	5.5			
FM	(30°-60°)	9641.3	37.7			
FH	(60°-80°)	11283.0	44.1			G4/12000
FVH	(80°-90°)	355.8	1.4			G3/500
BL	(0°-30°)	764.6	3.0	B2/1000		
BM	(30°-60°)	1746.9	6.8	B2/2500		
BH	(60°-80°)	361.1	1.4	B1/500		G1/500
BVH	(80°-90°)	4.9	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°	3705.5	3705.5	3705.5	3705.5	3705.5	3705.5	3705.5	3705.5	3705.5	3705.5
2.5°	3540.7	3570.6	3576.3	3585.6	3585.6	3596.9	3615.6	3641.8	3684.9	3707.4
5°	3263.4	3285.9	3314.0	3336.5	3379.6	3385.2	3458.2	3529.4	3628.7	3703.6
7.5°	2984.3	3010.5	3048.0	3102.3	3158.5	3175.4	3285.9	3405.8	3563.1	3703.6
10°	2787.6	2789.4	2823.2	2877.5	2967.4	2988.0	3122.9	3293.4	3490.1	3681.2
12.5°	2677.0	2690.2	2705.1	2746.4	2832.5	2845.6	2989.9	3190.3	3417.0	3668.0
15°	2677.0	2686.4	2695.8	2716.4	2785.7	2796.9	2924.3	3124.8	3379.6	3673.7
17.5°	2705.1	2720.1	2712.6	2737.0	2810.0	2817.5	2929.9	3106.0	3377.7	3709.3
20°	2772.6	2783.8	2768.8	2783.8	2856.9	2871.9	2988.0	3141.6	3409.5	3771.1
22.5°	2879.4	2885.0	2849.4	2860.6	2935.6	2954.3	3089.2	3242.8	3486.3	3870.4
25°	3014.2	3025.5	2971.2	2984.3	3055.5	3077.9	3233.4	3394.5	3608.1	4007.1
27.5°	3169.7	3175.4	3128.5	3126.6	3218.4	3250.3	3407.7	3581.9	3771.1	4179.5
30°	3347.7	3364.6	3319.6	3312.1	3428.3	3454.5	3610.0	3812.3	4010.9	4438.0
32.5°	3488.2	3501.3	3475.1	3493.8	3611.8	3632.5	3855.4	4138.3	4387.4	4805.2
35°	3690.5	3698.0	3638.1	3671.8	3806.7	3859.1	4190.7	4595.4	4861.4	5266.0
37.5°	4423.0	4423.0	4168.2	4001.5	4130.8	4177.6	4649.7	5170.5	5445.9	5884.2
40°	5436.5	5419.6	5046.8	4705.9	4689.0	4780.8	5303.5	5895.5	6200.8	6626.1
42.5°	6517.4	6491.2	5983.5	5646.3	5590.1	5622.0	6058.5	6789.1	7100.1	7530.9
45°	7476.6	7469.1	7004.5	6551.2	6450.0	6551.2	7000.8	7834.4	8057.3	8510.7
47.5°	8280.3	8280.3	7941.2	7645.2	7592.7	7652.7	8276.5	8994.0	8973.4	9554.2
50°	9205.7	9198.2	8876.0	8748.6	8802.9	8887.2	9745.2	10215.5	9921.3	10578.9
52.5°	9853.9	9898.9	9788.3	9767.7	10045.0	10191.1	11236.4	11410.7	10770.0	11551.2
55°	10367.2	10419.7	10547.0	10691.3	11225.2	11416.3	12680.8	12544.1	11480.0	12394.2
57.5°	11094.1	11019.1	11215.8	11500.6	12364.2	12594.6	14080.2	13613.7	12051.4	13078.0
60°	11976.4	11987.7	12021.4	12381.1	13501.3	13797.3	15459.0	14625.4	12418.5	13497.6
62.5°	13036.7	13053.6	13122.9	13675.6	15028.1	15307.3	16927.7	15453.4	12587.1	13379.6
65°	12963.7	13034.9	13808.6	15698.8	17349.2	17624.6	18641.9	16034.1	12332.4	12300.5
67.5°	11809.7	11925.8	13220.3	18115.4	20848.7	21155.9	20713.8	16148.4	11232.7	9565.4
70°	10296.0	10337.2	11894.0	20288.5	24900.8	25211.7	22568.4	14891.4	8523.8	5335.3
72.5°	8040.5	8049.8	9876.4	20792.5	27100.1	27117.0	21112.8	11054.7	4584.1	2049.5
75°	5743.7	5687.5	6614.9	16862.2	23842.3	24033.4	15828.1	5185.5	1751.6	968.5
77.5°	3079.8	3141.6	3743.0	10000.0	16470.6	16796.6	8636.2	1494.9	891.7	659.4
80°	951.7	1004.1	1534.3	4578.5	9329.4	9526.1	3201.6	665.0	622.0	470.2
82.5°	299.7	311.0	715.6	1923.9	3872.2	3962.2	927.3	376.5	425.3	311.0
85°	86.2	88.0	318.5	717.5	957.3	976.0	260.4	146.1	243.5	193.0
87.5°	9.4	30.0	119.9	119.9	84.3	82.4	28.1	31.8	69.3	24.4
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°
3705.5	0°	3705.5	3705.5	3705.5	3705.5	3705.5	3705.5	3705.5	3705.5	3705.5	3705.5
3722.4	2.5°	3713.0	3714.9	3690.5	3649.3	3604.4	3566.9	3520.1	3482.6	3456.4	3448.9
3756.1	5°	3739.2	3726.1	3656.8	3531.3	3381.4	3252.2	3107.9	2993.6	2918.7	2886.9
3791.7	7.5°	3778.6	3741.1	3589.4	3342.1	3055.5	2800.7	2542.2	2341.7	2214.3	2150.6
3825.4	10°	3812.3	3737.4	3477.0	3068.6	2630.2	2244.3	1895.8	1654.2	1519.3	1455.6
3864.8	12.5°	3844.1	3735.5	3330.8	2744.5	2150.6	1678.5	1354.4	1234.5	1197.1	1184.0
3928.4	15°	3904.1	3741.1	3147.3	2373.6	1672.9	1268.3	1150.2	1148.4	1155.9	1152.1
4025.9	17.5°	3986.5	3746.7	2939.3	1980.1	1290.7	1118.4	1112.8	1129.6	1140.9	1135.3
4147.6	20°	4093.3	3769.2	2718.3	1590.5	1109.0	1080.9	1094.0	1109.0	1118.4	1109.0
4310.6	22.5°	4243.2	3808.6	2476.6	1277.6	1051.0	1058.5	1069.7	1086.6	1095.9	1082.8
4518.6	25°	4426.8	3870.4	2238.7	1110.9	1022.9	1032.2	1049.1	1067.8	1079.1	1065.9
4780.8	27.5°	4664.7	3969.7	2019.5	1073.4	994.8	1000.4	1024.7	1052.8	1067.8	1051.0
5153.6	30°	5009.4	4132.6	1830.3	1090.3	977.9	964.8	998.5	1037.8	1054.7	1039.7
5661.3	32.5°	5466.5	4363.1	1714.1	1116.5	970.4	923.6	955.4	1006.0	1034.1	1024.7
6324.5	35°	6066.0	4713.4	1669.2	1146.5	964.8	880.5	903.0	957.3	1006.0	1015.4
7160.0	37.5°	6792.8	5200.5	1682.3	1159.6	947.9	844.9	856.1	903.0	966.7	996.6
8100.4	40°	7619.0	5768.1	1757.2	1146.5	929.2	814.9	816.8	852.4	908.6	953.5
9112.0	42.5°	8471.4	6431.3	1895.8	1097.8	912.3	788.7	783.1	807.4	844.9	876.7
10121.8	45°	9282.5	7113.2	2032.6	1030.4	891.7	762.5	749.3	758.7	766.2	779.3
11105.3	47.5°	9990.7	7592.7	1993.3	968.5	863.6	732.5	710.0	706.3	683.8	681.9
11983.9	50°	10479.6	7697.7	1770.3	906.7	822.4	698.8	663.2	640.7	601.4	582.6
12641.5	52.5°	10635.1	7283.6	1446.2	844.9	755.0	653.8	603.2	567.6	518.9	502.1
13019.9	55°	10429.0	6472.5	1155.9	770.0	661.3	593.9	537.7	490.8	451.5	430.9
13061.1	57.5°	9925.1	5440.3	914.2	681.9	562.0	526.4	470.2	423.4	389.7	369.1
12604.0	60°	9089.6	4320.0	723.1	577.0	479.6	453.4	395.3	365.3	335.3	311.0
11423.8	62.5°	7821.3	3083.6	567.6	457.1	400.9	370.9	337.2	314.7	279.1	245.4
9301.3	65°	6103.4	1886.5	438.4	335.3	322.2	307.2	286.6	266.0	222.9	189.2
6067.8	67.5°	3849.8	893.6	312.9	252.9	254.8	247.3	237.9	221.1	189.2	159.2
2718.3	70°	1695.4	432.7	206.1	193.0	189.2	189.2	196.7	191.1	161.1	133.0
944.2	72.5°	577.0	232.3	153.6	146.1	136.8	134.9	164.9	159.2	129.3	103.0
470.2	75°	301.6	155.5	112.4	104.9	82.4	99.3	131.1	123.6	91.8	67.4
311.0	77.5°	196.7	110.5	76.8	67.4	46.8	65.6	97.4	86.2	54.3	33.7
204.2	80°	123.6	73.1	45.0	31.8	22.5	35.6	52.5	37.5	20.6	7.5
119.9	82.5°	65.6	37.5	16.9	11.2	9.4	11.2	13.1	9.4	3.7	0.0
61.8	85°	26.2	13.1	5.6	3.7	1.9	0.0	3.7	1.9	0.0	0.0
11.2	87.5°	9.4	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°
3705.5
3462.0
2898.1
2160.0
1457.5
1180.2
1150.2
1133.4
1107.2
1080.9
1064.1
1051.0
1037.8
1024.7
1015.4
1004.1
968.5
889.8
786.8
680.0
584.5
500.2
430.9
365.3
305.4
239.8
183.6
155.5
127.4
97.4
61.8
30.0
5.6
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