

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: P852870

Luminaire Tested: **GLAN-SB7A-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852870
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-SB7A-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 350mA 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: 23702 lumens
Efficiency: N/A
Efficacy: 119.0 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

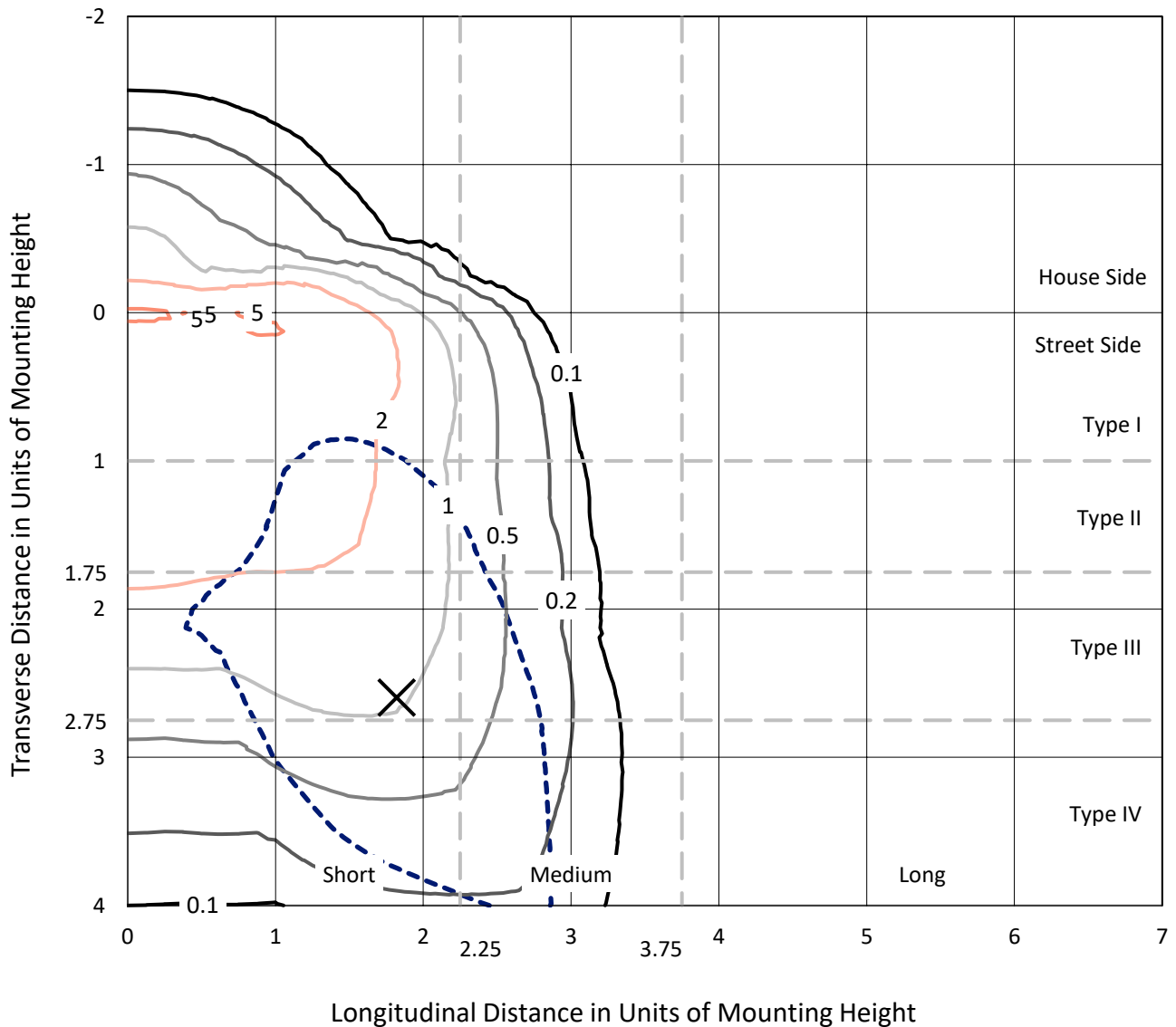
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

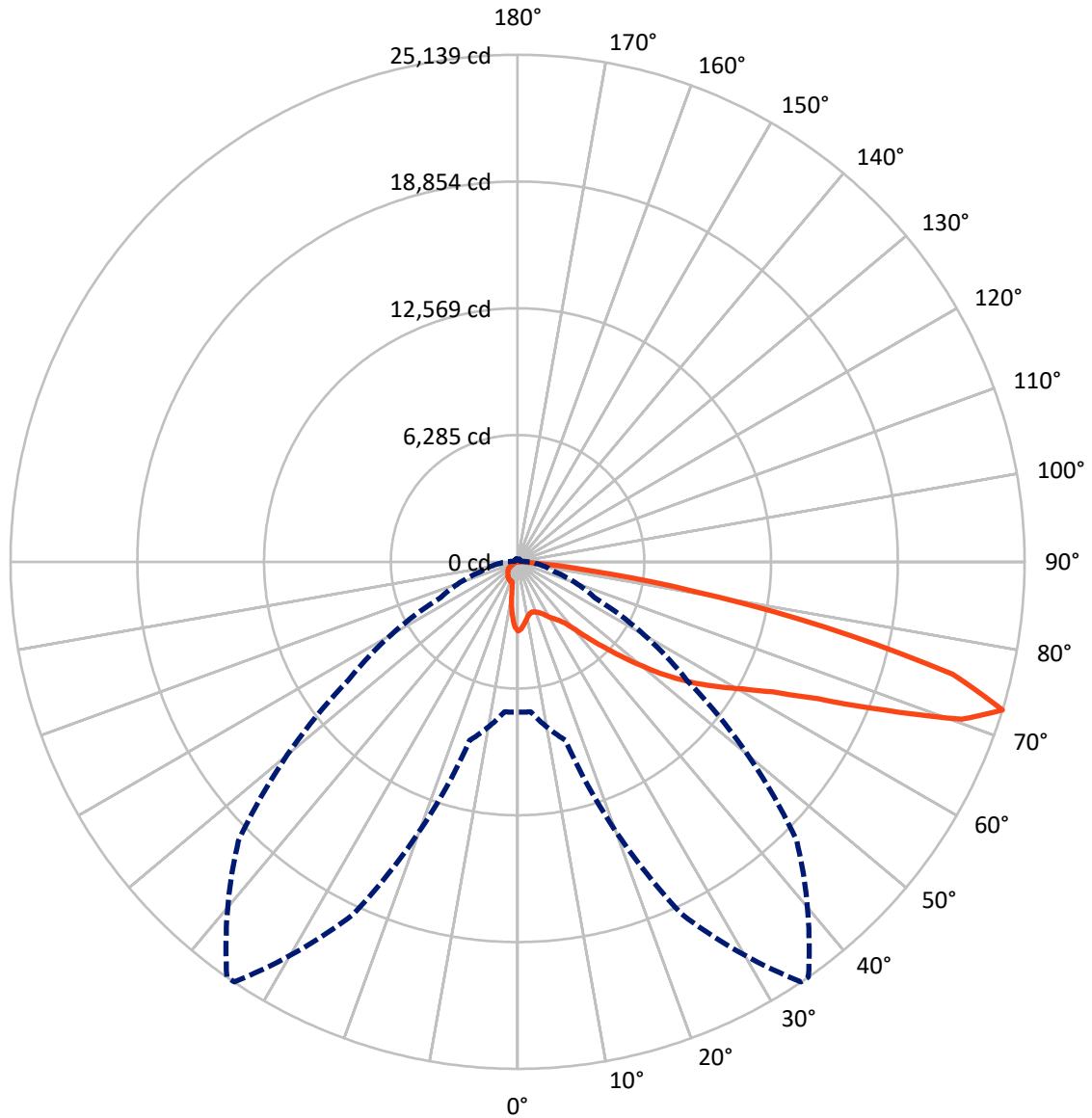
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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
House Side	Lumens	2667.5	0.0	2667.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	21034.5	0.0	21034.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	23702.0	0.0	23702.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.3	1.2
10°-20°	660.4	2.8
20°-30°	1072.7	4.5
30°-40°	1789.9	7.6
40°-50°	3386.5	14.3
50°-60°	5381.1	22.7
60°-70°	6656.8	28.1
70°-80°	4137.9	17.5
80°-90°	334.4	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°	23702.0	100.0
0°-180°	23702.0	100.0

Coefficient of Utilization

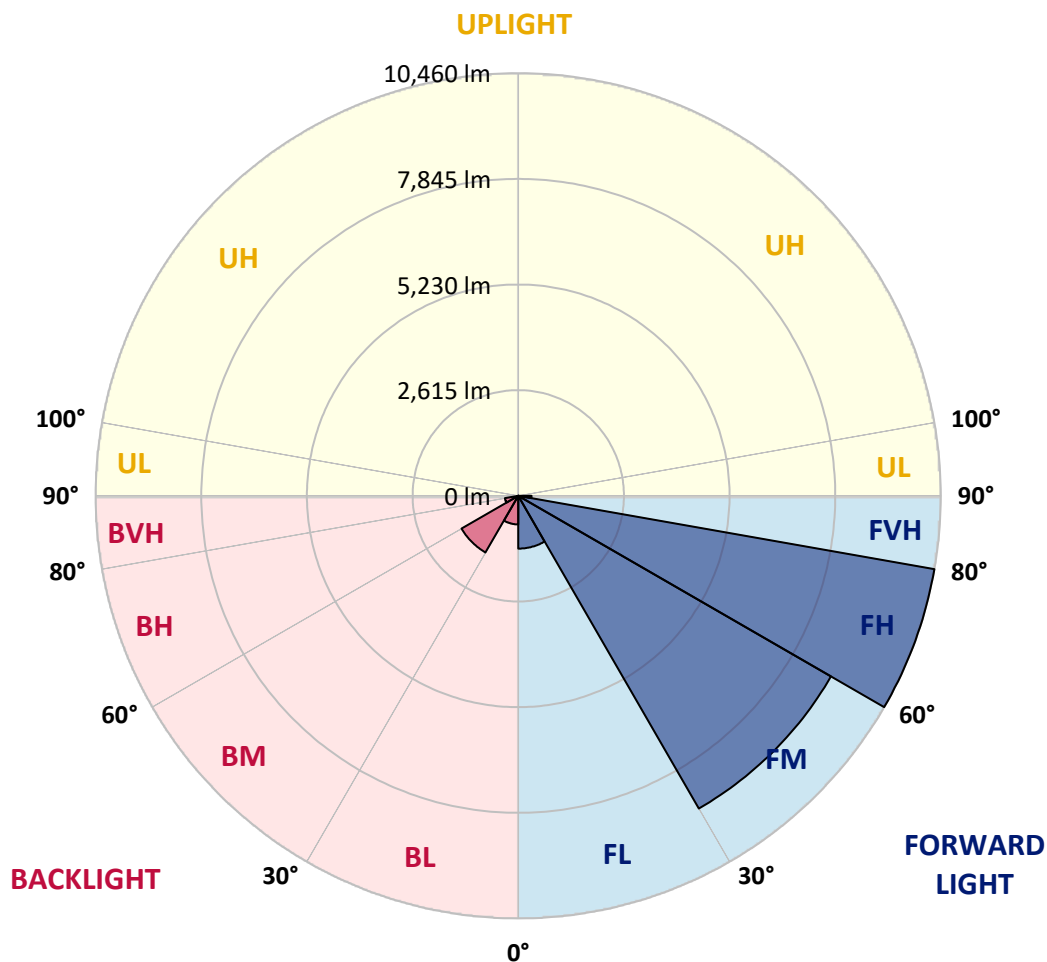


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1306.6	5.5			
FM (30°-60°)	8938.0	37.7			
FH (60°-80°)	10460.0	44.1			G4/12000
FVH (80°-90°)	329.9	1.4			G3/500
BL (0°-30°)	708.8	3.0	B2/1000		
BM (30°-60°)	1619.4	6.8	B2/2500		
BH (60°-80°)	334.7	1.4	B1/500		G1/500
BVH (80°-90°)	4.5	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2
2.5°	3282.4	3310.2	3315.4	3324.1	3324.1	3334.5	3351.9	3376.2	3416.1	3437.0
5°	3025.4	3046.2	3072.2	3093.1	3133.0	3138.2	3206.0	3272.0	3364.0	3433.5
7.5°	2766.6	2790.9	2825.6	2876.0	2928.1	2943.7	3046.2	3157.3	3303.2	3433.5
10°	2584.2	2586.0	2617.2	2667.6	2751.0	2770.1	2895.1	3053.1	3235.5	3412.6
12.5°	2481.8	2493.9	2507.8	2546.0	2625.9	2638.1	2771.8	2957.6	3167.8	3400.5
15°	2481.8	2490.4	2499.1	2518.2	2582.5	2592.9	2711.0	2896.8	3133.0	3405.7
17.5°	2507.8	2521.7	2514.8	2537.3	2605.1	2612.0	2716.2	2879.5	3131.3	3438.7
20°	2570.3	2580.8	2566.9	2580.8	2648.5	2662.4	2770.1	2912.5	3160.8	3496.0
22.5°	2669.3	2674.5	2641.5	2652.0	2721.4	2738.8	2863.8	3006.2	3232.0	3588.0
25°	2794.4	2804.8	2754.4	2766.6	2832.6	2853.4	2997.6	3146.9	3344.9	3714.8
27.5°	2938.5	2943.7	2900.3	2898.6	2983.7	3013.2	3159.1	3320.6	3496.0	3874.6
30°	3103.5	3119.1	3077.5	3070.5	3178.2	3202.5	3346.6	3534.2	3718.3	4114.3
32.5°	3233.8	3245.9	3221.6	3239.0	3348.4	3367.5	3574.2	3836.4	4067.4	4454.7
35°	3421.3	3428.3	3372.7	3404.0	3529.0	3577.6	3885.0	4260.2	4506.8	4881.9
37.5°	4100.4	4100.4	3864.2	3709.6	3829.4	3872.9	4310.5	4793.3	5048.6	5455.0
40°	5039.9	5024.3	4678.7	4362.6	4347.0	4432.1	4916.6	5465.4	5748.5	6142.7
42.5°	6042.0	6017.7	5547.1	5234.4	5182.3	5211.9	5616.5	6293.8	6582.1	6981.6
45°	6931.2	6924.3	6493.6	6073.3	5979.5	6073.3	6490.1	7262.9	7469.6	7889.9
47.5°	7676.3	7676.3	7361.9	7087.5	7038.9	7094.5	7672.8	8337.9	8318.8	8857.2
50°	8534.2	8527.3	8228.5	8110.4	8160.8	8239.0	9034.4	9470.3	9197.6	9807.2
52.5°	9135.1	9176.8	9074.3	9055.2	9312.2	9447.7	10416.8	10578.3	9984.4	10708.6
55°	9611.0	9659.6	9777.7	9911.4	10406.4	10583.5	11755.8	11629.0	10642.6	11490.1
57.5°	10284.8	10215.3	10397.7	10661.7	11462.3	11675.9	13053.1	12620.7	11172.3	12124.0
60°	11102.8	11113.2	11144.5	11477.9	12516.5	12790.9	14331.3	13558.5	11512.7	12513.0
62.5°	12085.8	12101.4	12165.7	12678.0	13931.9	14190.7	15692.9	14326.1	11669.0	12403.6
65°	12018.0	12084.0	12801.3	14553.6	16083.7	16339.0	17282.0	14864.5	11432.8	11403.2
67.5°	10948.2	11055.9	12256.0	16794.0	19327.9	19612.7	19202.8	14970.4	10413.3	8867.6
70°	9545.0	9583.2	11026.4	18808.6	23084.4	23372.7	20922.2	13805.1	7902.0	4946.2
72.5°	7454.0	7462.6	9155.9	19275.8	25123.3	25138.9	19572.7	10248.3	4249.7	1900.0
75°	5324.8	5272.7	6132.3	15632.1	22103.1	22280.3	14673.5	4807.2	1623.8	897.9
77.5°	2855.2	2912.5	3469.9	9270.6	15269.2	15571.4	8006.2	1385.9	826.7	611.3
80°	882.2	930.9	1422.4	4244.5	8648.8	8831.2	2968.0	616.5	576.6	435.9
82.5°	277.9	288.3	663.4	1783.6	3589.8	3673.1	859.7	349.1	394.2	288.3
85°	79.9	81.6	295.2	665.2	887.5	904.8	241.4	135.5	225.8	178.9
87.5°	8.7	27.8	111.1	111.1	78.2	76.4	26.1	29.5	64.3	22.6
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°
3435.2	0°	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2	3435.2
3450.8	2.5°	3442.2	3443.9	3421.3	3383.1	3341.4	3306.7	3263.3	3228.5	3204.2	3197.3
3482.1	5°	3466.5	3454.3	3390.1	3273.7	3134.8	3014.9	2881.2	2775.3	2705.8	2676.3
3515.1	7.5°	3502.9	3468.2	3327.5	3098.3	2832.6	2596.4	2356.7	2170.9	2052.8	1993.7
3546.4	10°	3534.2	3464.7	3223.3	2844.7	2438.3	2080.6	1757.6	1533.5	1408.5	1349.4
3582.8	12.5°	3563.7	3463.0	3087.9	2544.3	1993.7	1556.1	1255.6	1144.5	1109.8	1097.6
3641.9	15°	3619.3	3468.2	2917.7	2200.4	1550.9	1175.8	1066.3	1064.6	1071.6	1068.1
3732.2	17.5°	3695.7	3473.4	2724.9	1835.7	1196.6	1036.8	1031.6	1047.2	1057.7	1052.4
3845.1	20°	3794.7	3494.3	2520.0	1474.5	1028.1	1002.1	1014.2	1028.1	1036.8	1028.1
3996.2	22.5°	3933.7	3530.7	2295.9	1184.4	974.3	981.2	991.7	1007.3	1016.0	1003.8
4188.9	25°	4103.8	3588.0	2075.4	1029.9	948.2	956.9	972.6	989.9	1000.3	988.2
4432.1	27.5°	4324.4	3680.1	1872.2	995.1	922.2	927.4	950.0	976.0	989.9	974.3
4777.7	30°	4644.0	3831.2	1696.8	1010.8	906.6	894.4	925.7	962.1	977.8	963.9
5248.3	32.5°	5067.7	4044.8	1589.1	1035.1	899.6	856.2	885.7	932.6	958.7	950.0
5863.1	35°	5623.5	4369.6	1547.4	1062.9	894.4	816.3	837.1	887.5	932.6	941.3
6637.7	37.5°	6297.3	4821.1	1559.6	1075.0	878.8	783.3	793.7	837.1	896.1	923.9
7509.5	40°	7063.2	5347.3	1629.0	1062.9	861.4	755.5	757.2	790.2	842.3	884.0
8447.4	42.5°	7853.4	5962.1	1757.6	1017.7	845.8	731.2	725.9	748.5	783.3	812.8
9383.4	45°	8605.4	6594.3	1884.3	955.2	826.7	706.8	694.7	703.4	710.3	722.5
10295.2	47.5°	9261.9	7038.9	1847.9	897.9	800.6	679.1	658.2	654.7	633.9	632.2
11109.7	50°	9715.2	7136.1	1641.2	840.6	762.4	647.8	614.8	594.0	557.5	540.1
11719.3	52.5°	9859.3	6752.3	1340.7	783.3	699.9	606.1	559.2	526.2	481.1	465.4
12070.1	55°	9668.3	6000.3	1071.6	713.8	613.1	550.5	498.4	455.0	418.5	399.4
12108.3	57.5°	9201.1	5043.4	847.5	632.2	521.0	488.0	435.9	392.5	361.2	342.1
11684.6	60°	8426.5	4004.9	670.4	534.9	444.6	420.3	366.4	338.7	310.9	288.3
10590.5	62.5°	7250.8	2858.6	526.2	423.8	371.7	343.9	312.6	291.8	258.8	227.5
8622.8	65°	5658.2	1748.9	406.4	310.9	298.7	284.8	265.7	246.6	206.7	175.4
5625.2	67.5°	3568.9	828.4	290.0	234.5	236.2	229.2	220.6	204.9	175.4	147.6
2520.0	70°	1571.7	401.2	191.0	178.9	175.4	175.4	182.4	177.1	149.4	123.3
875.3	72.5°	534.9	215.4	142.4	135.5	126.8	125.0	152.8	147.6	119.8	95.5
435.9	75°	279.6	144.1	104.2	97.3	76.4	92.0	121.6	114.6	85.1	62.5
288.3	77.5°	182.4	102.5	71.2	62.5	43.4	60.8	90.3	79.9	50.4	31.3
189.3	80°	114.6	67.7	41.7	29.5	20.8	33.0	48.6	34.7	19.1	6.9
111.1	82.5°	60.8	34.7	15.6	10.4	8.7	10.4	12.2	8.7	3.5	0.0
57.3	85°	24.3	12.2	5.2	3.5	1.7	0.0	3.5	1.7	0.0	0.0
10.4	87.5°	8.7	1.7	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°
3435.2
3209.4
2686.7
2002.4
1351.2
1094.1
1066.3
1050.7
1026.4
1002.1
986.5
974.3
962.1
950.0
941.3
930.9
897.9
824.9
729.4
630.4
541.9
463.7
399.4
338.7
283.1
222.3
170.2
144.1
118.1
90.3
57.3
27.8
5.2
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