

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: P849797

Luminaire Tested: **GLAN-SB7A-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849797
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-SB7A-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 350mA 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: 24168 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

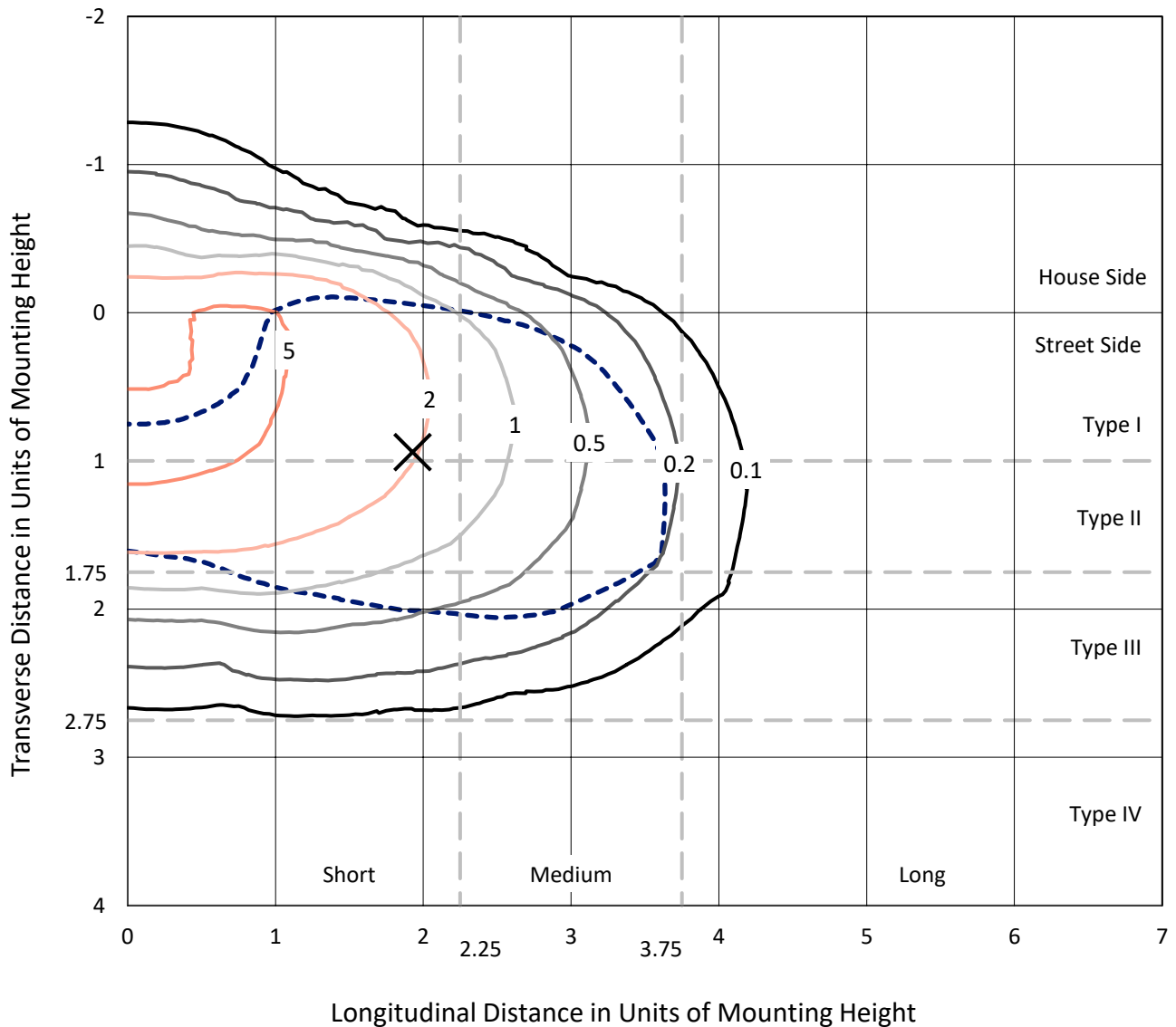
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

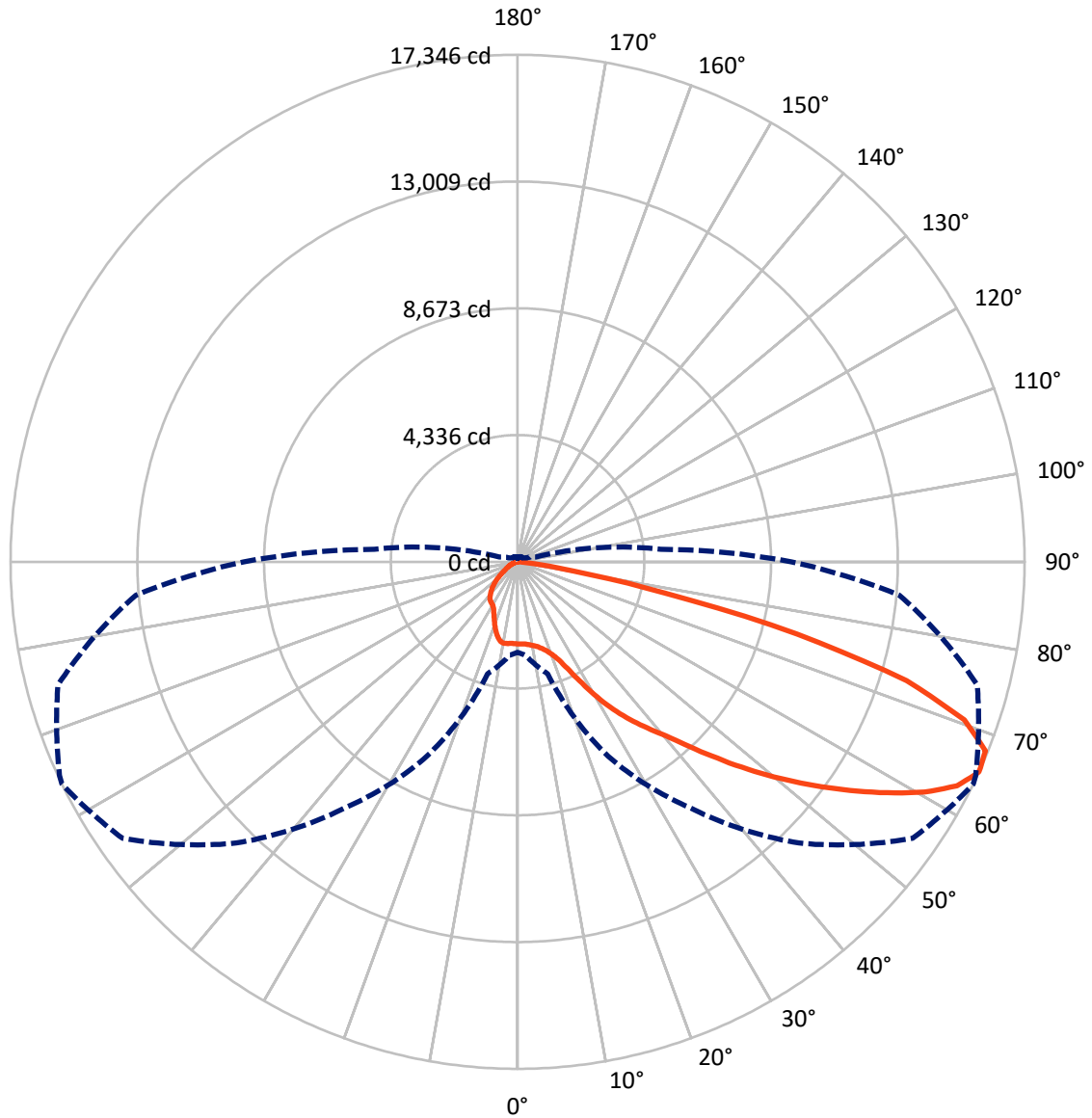
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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
House Side	Lumens	3232.0	0.0	3232.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	20936.0	0.0	20936.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	24168.0	0.0	24168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.3	1.1
10°-20°	703.4	2.9
20°-30°	1332.9	5.5
30°-40°	2697.2	11.2
40°-50°	4594.6	19.0
50°-60°	6248.4	25.9
60°-70°	5867.5	24.3
70°-80°	2350.8	9.7
80°-90°	113.9	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°	24168.0	100.0
0°-180°	24168.0	100.0

Coefficient of Utilization



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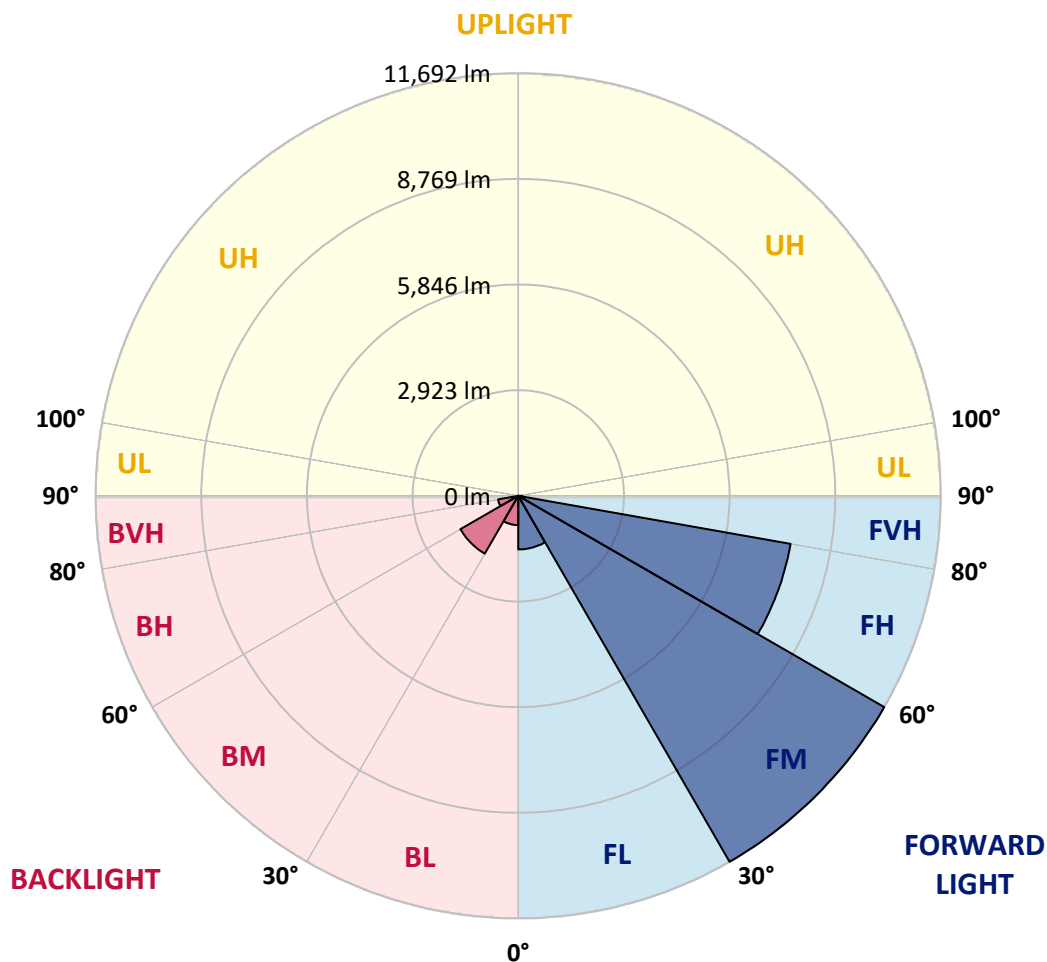
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1484.2	6.1			
FM (30°-60°)	11692.4	48.4			
FH (60°-80°)	7651.0	31.7			G4/12000
FVH (80°-90°)	108.3	0.4			G2/225
BL (0°-30°)	811.5	3.4	B2/1000		
BM (30°-60°)	1847.7	7.6	B2/2500		
BH (60°-80°)	567.3	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.6	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°	2811.0	2811.0	2811.0	2811.0	2811.0	2811.0	2811.0	2811.0	2811.0	2811.0
2.5°	2801.3	2820.7	2815.8	2811.0	2809.4	2812.6	2814.2	2812.6	2812.6	2812.6
5°	2747.8	2764.0	2764.0	2775.3	2791.5	2811.0	2825.6	2828.8	2832.1	2836.9
7.5°	2645.7	2658.7	2668.4	2705.7	2746.2	2798.0	2841.8	2864.5	2867.7	2885.5
10°	2576.1	2592.3	2608.5	2647.4	2705.7	2783.4	2858.0	2913.1	2921.2	2963.3
12.5°	2572.8	2589.0	2610.1	2652.2	2720.3	2802.9	2893.6	2973.0	2987.6	3049.2
15°	2606.8	2626.3	2645.7	2697.6	2770.5	2870.9	2968.1	3067.0	3081.6	3169.0
17.5°	2676.5	2702.4	2717.0	2768.9	2846.6	2958.4	3086.4	3199.8	3212.8	3314.9
20°	2814.2	2845.0	2849.9	2892.0	2968.1	3088.0	3240.3	3381.3	3397.5	3514.1
22.5°	3099.4	3143.1	3104.2	3125.3	3193.3	3313.2	3478.5	3656.7	3679.4	3812.3
25°	3601.6	3663.2	3562.7	3527.1	3556.3	3681.0	3888.4	4113.6	4139.5	4246.5
27.5°	4588.3	4508.9	4356.6	4207.6	4120.1	4191.4	4424.7	4703.3	4735.7	4839.4
30°	5672.2	5602.5	5396.8	5066.3	4858.9	4847.5	5063.0	5374.1	5411.4	5510.2
32.5°	6757.7	6691.3	6467.7	6061.0	5701.4	5523.1	5672.2	6017.3	6036.7	6099.9
35°	7825.4	7757.4	7533.8	7117.4	6675.1	6270.0	6240.9	6629.7	6636.2	6702.6
37.5°	8899.6	8842.9	8604.7	8196.4	7760.6	7201.6	6931.1	7209.7	7217.8	7282.6
40°	9665.9	9690.2	9526.6	9210.6	8836.4	8225.6	7705.5	7827.0	7778.4	7887.0
42.5°	10323.7	10372.3	10229.7	10071.0	9853.9	9316.0	8664.7	8643.6	8565.8	8624.1
45°	10892.4	10932.9	10804.9	10767.6	10762.8	10385.3	9712.9	9586.5	9478.0	9466.6
47.5°	11101.4	11179.2	11234.2	11359.0	11602.0	11443.2	10796.8	10600.8	10479.2	10390.1
50°	11180.8	11263.4	11451.3	11814.3	12389.4	12457.5	11875.8	11655.5	11506.4	11344.4
52.5°	11073.8	11221.3	11474.0	12084.8	12919.2	13270.8	12911.1	12718.3	12548.2	12284.1
55°	10443.6	10591.0	11107.9	12081.6	13183.3	13841.1	13889.7	13803.8	13612.6	13196.3
57.5°	9115.1	9333.8	10152.0	11670.1	13178.4	14332.0	14848.8	14910.4	14696.5	14100.3
60°	7274.5	7571.0	8569.1	10757.9	12771.8	14597.7	15689.7	15997.5	15770.7	14991.4
62.5°	5076.0	5419.5	6364.0	9328.9	11841.8	14406.5	16303.7	16872.4	16700.7	15788.5
65°	3096.1	3206.3	3967.8	7341.0	10260.5	13606.2	16493.3	17345.5	17288.8	16276.2
67.5°	2062.5	2154.8	2373.5	5033.9	7964.7	12007.1	16039.7	17262.9	17279.1	16196.8
70°	1242.7	1322.1	1464.6	2927.6	5161.9	9503.9	14635.0	16209.8	16303.7	15135.6
72.5°	512.0	565.4	695.1	1326.9	2673.3	6031.9	11653.9	13917.2	14136.0	12726.4
75°	290.0	317.6	408.3	665.9	1160.0	2811.0	7059.1	9879.8	10202.2	8771.6
77.5°	192.8	205.8	264.1	431.0	652.9	959.1	3016.8	5147.3	5762.9	4790.8
80°	129.6	141.0	181.5	288.4	424.5	411.5	960.8	1906.9	2346.0	1646.1
82.5°	87.5	89.1	129.6	189.6	268.9	199.3	283.5	593.0	745.3	476.3
85°	50.2	48.6	95.6	110.2	119.9	82.6	85.9	178.2	233.3	200.9
87.5°	6.5	9.7	37.3	29.2	16.2	17.8	17.8	30.8	45.4	48.6
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°
2811.0	0°	2811.0	2811.0	2811.0	2811.0	2811.0	2811.0	2811.0	2811.0	2811.0	2811.0
2814.2	2.5°	2814.2	2812.6	2807.7	2802.9	2791.5	2785.1	2788.3	2785.1	2783.4	2785.1
2835.3	5°	2835.3	2830.4	2817.5	2801.3	2778.6	2751.0	2733.2	2707.3	2683.0	2668.4
2892.0	7.5°	2892.0	2887.1	2869.3	2824.0	2751.0	2636.0	2530.7	2438.4	2368.7	2328.2
2982.7	10°	2982.7	2974.6	2947.1	2846.6	2655.5	2404.3	2195.3	2022.0	1908.6	1855.1
3089.7	12.5°	3089.7	3079.9	3031.3	2825.6	2474.0	2081.9	1793.5	1600.7	1495.4	1448.4
3212.8	15°	3216.0	3203.1	3107.5	2725.1	2209.9	1725.5	1461.4	1317.2	1249.1	1207.0
3369.9	17.5°	3373.2	3350.5	3164.2	2574.4	1923.1	1453.3	1257.2	1148.7	1088.8	1048.2
3575.7	20°	3577.3	3540.1	3209.6	2394.6	1659.1	1281.6	1119.5	1028.8	983.4	947.8
3867.3	22.5°	3862.5	3809.0	3264.6	2200.2	1472.7	1163.3	1017.5	951.0	913.8	873.3
4274.0	25°	4215.7	4152.5	3332.7	2020.3	1344.7	1061.2	942.9	887.9	844.1	797.1
4807.0	27.5°	4709.8	4596.4	3413.7	1872.9	1234.6	973.7	874.9	813.3	763.1	724.2
5411.4	30°	5260.7	5074.4	3485.0	1783.8	1134.1	892.7	785.8	724.2	677.2	649.7
5954.1	32.5°	5782.4	5529.6	3532.0	1744.9	1043.4	800.4	688.6	622.1	586.5	578.4
6485.5	35°	6274.9	5941.2	3527.1	1707.7	962.4	708.0	593.0	524.9	497.4	502.3
7057.4	37.5°	6842.0	6380.2	3493.1	1649.3	896.0	623.8	510.4	450.4	426.1	427.7
7752.5	40°	7501.4	6887.3	3472.0	1539.2	823.0	546.0	442.3	393.7	375.9	369.4
8484.8	42.5°	8204.5	7378.2	3475.3	1414.4	732.3	476.3	395.3	354.8	338.6	333.8
9299.8	45°	8910.9	7846.5	3480.1	1284.8	636.7	422.9	361.3	327.3	317.6	311.1
10126.0	47.5°	9575.2	8245.0	3389.4	1145.5	542.8	382.4	333.8	311.1	303.0	294.9
10955.6	50°	10194.1	8510.7	3170.7	983.4	468.2	350.0	312.7	296.5	288.4	280.3
11707.3	52.5°	10675.3	8552.9	2809.4	816.6	416.4	325.7	299.7	285.1	275.4	267.3
12314.9	55°	10889.1	8288.8	2295.8	661.0	375.9	304.6	286.8	272.2	260.8	252.7
12792.8	57.5°	10834.1	7733.1	1790.3	531.4	337.0	283.5	270.6	260.8	247.9	234.9
13180.1	60°	10563.5	6989.4	1349.6	442.3	301.4	260.8	252.7	244.6	226.8	207.4
13329.1	62.5°	10095.3	6054.6	962.4	366.2	262.5	234.9	231.7	225.2	199.3	163.6
13108.8	65°	9379.1	4918.8	648.1	304.6	225.2	205.8	207.4	196.0	162.0	121.5
12301.9	67.5°	8332.5	3596.8	414.8	249.5	187.9	171.7	173.4	166.9	137.7	103.7
10772.5	70°	6999.1	2381.6	270.6	189.6	150.7	132.9	142.6	144.2	116.7	84.2
8267.7	72.5°	5131.1	1406.3	189.6	141.0	110.2	92.3	116.7	119.9	94.0	63.2
4973.9	75°	2924.4	667.5	142.6	102.1	68.0	64.8	90.7	90.7	64.8	42.1
2153.2	77.5°	1228.1	278.7	100.5	66.4	38.9	37.3	61.6	56.7	32.4	19.4
524.9	80°	354.8	124.8	53.5	32.4	16.2	14.6	24.3	17.8	8.1	3.2
199.3	82.5°	139.3	55.1	21.1	13.0	6.5	6.5	3.2	0.0	0.0	0.0
113.4	85°	82.6	22.7	9.7	4.9	1.6	0.0	0.0	0.0	0.0	0.0
24.3	87.5°	21.1	4.9	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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2811.0
2791.5
2671.7
2329.8
1850.2
1443.6
1208.6
1045.0
941.3
866.8
792.3
716.1
644.8
583.3
502.3
434.2
367.8
332.1
311.1
294.9
280.3
265.7
251.1
233.3
204.1
160.4
<i>118.3</i>
98.8
81.0
59.9
38.9
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