

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: P848247

Luminaire Tested: **GLAN-SB4D-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848247
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-SB4D-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA 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: 25012 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

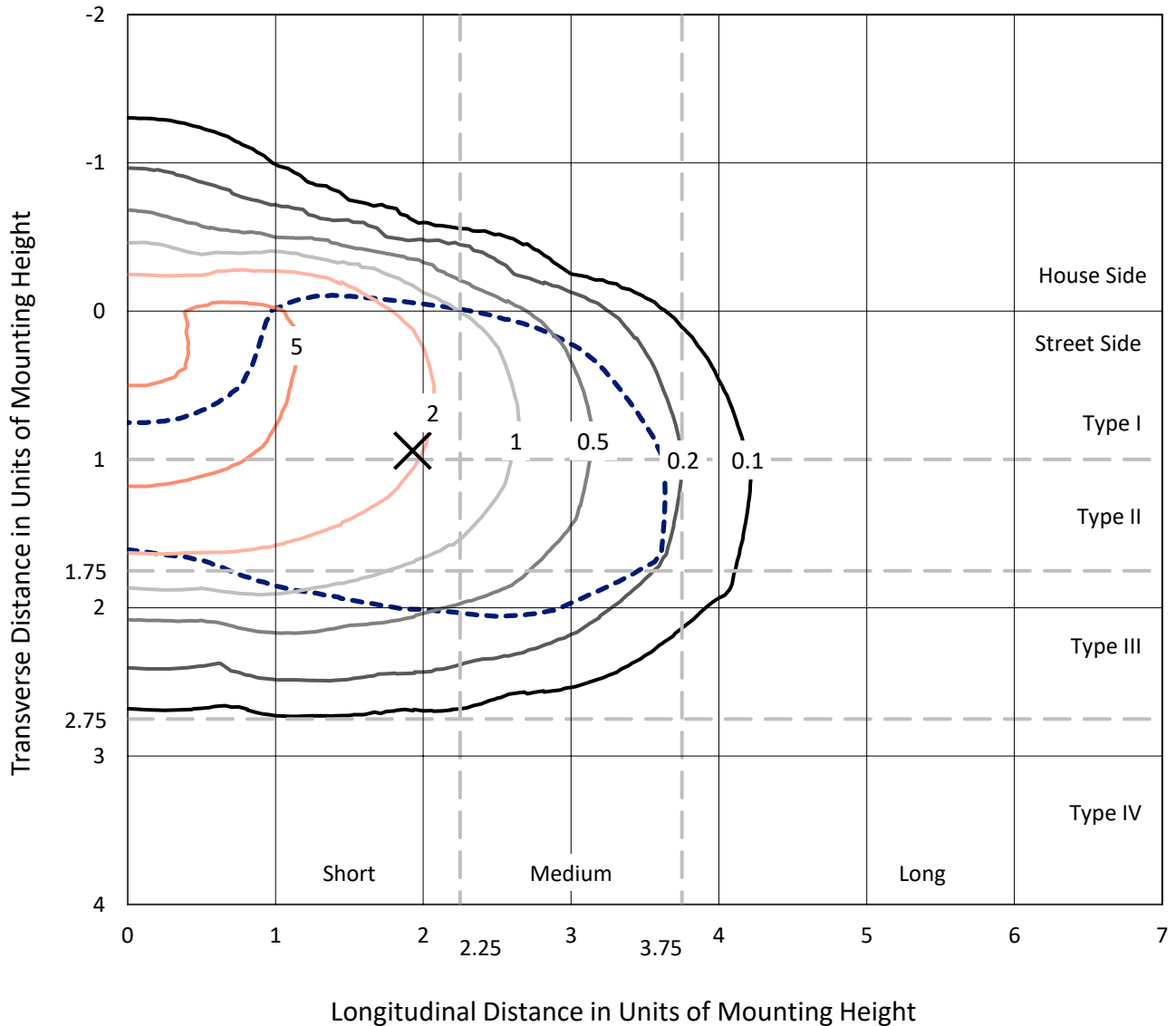
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

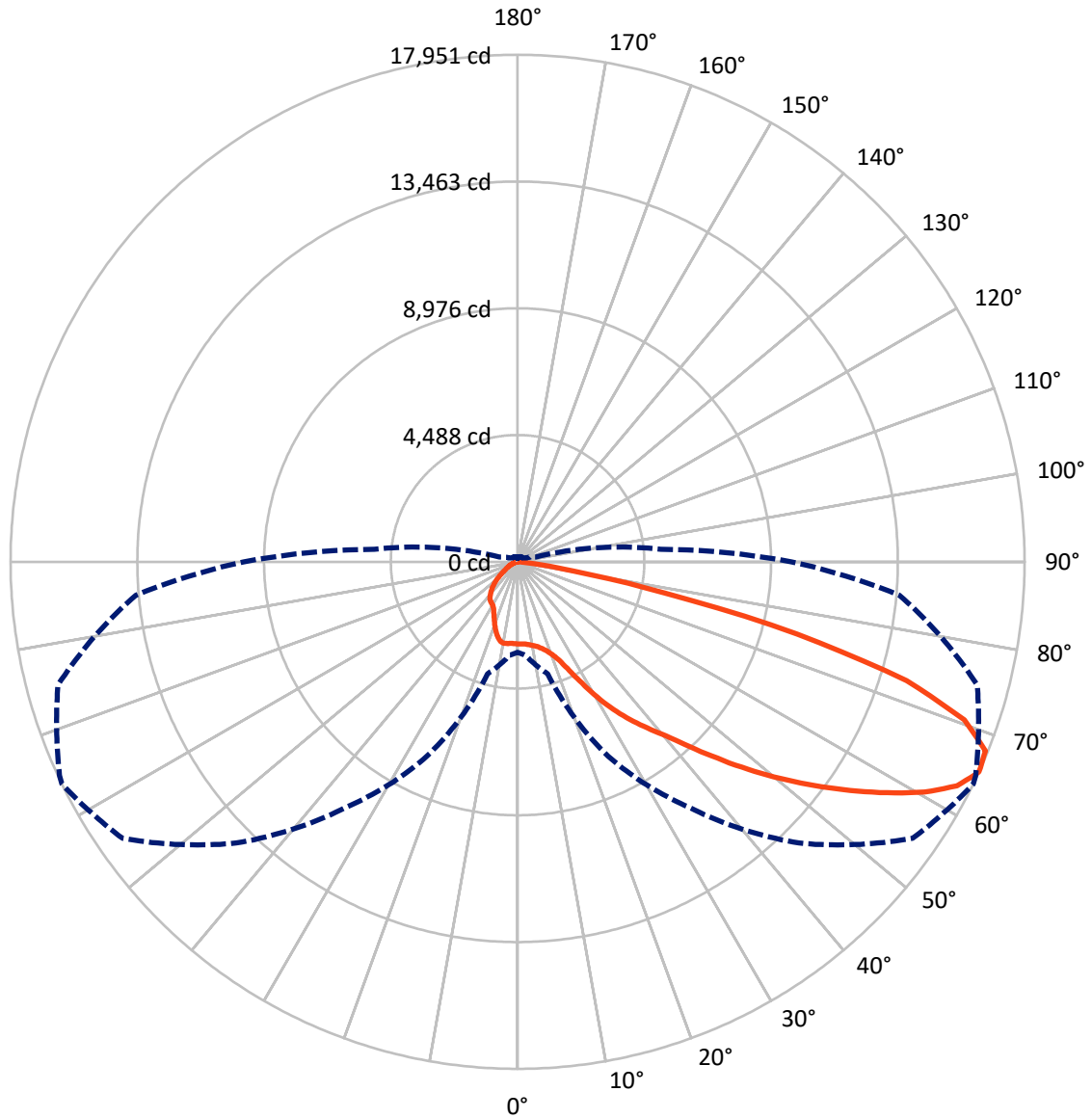
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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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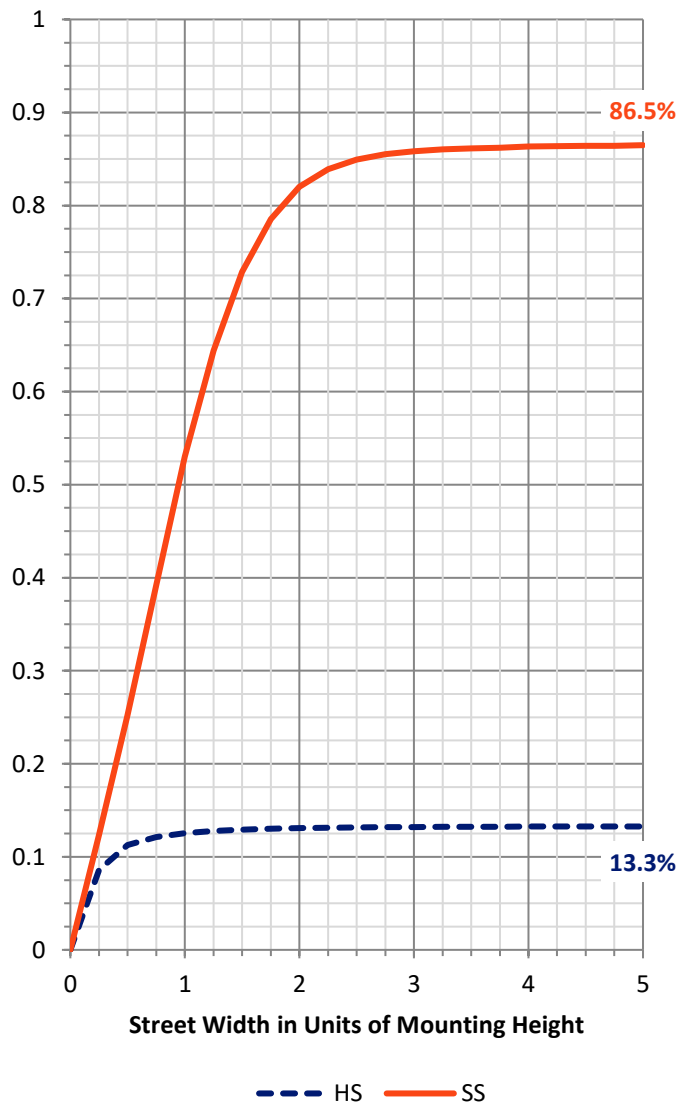
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3344.9	0.0	3344.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	21667.1	0.0	21667.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	25012.0	0.0	25012.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.4	1.1
10°-20°	728.0	2.9
20°-30°	1379.4	5.5
30°-40°	2791.4	11.2
40°-50°	4755.1	19.0
50°-60°	6466.6	25.9
60°-70°	6072.4	24.3
70°-80°	2432.9	9.7
80°-90°	117.9	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°	25012.0	100.0
0°-180°	25012.0	100.0

Coefficient of Utilization



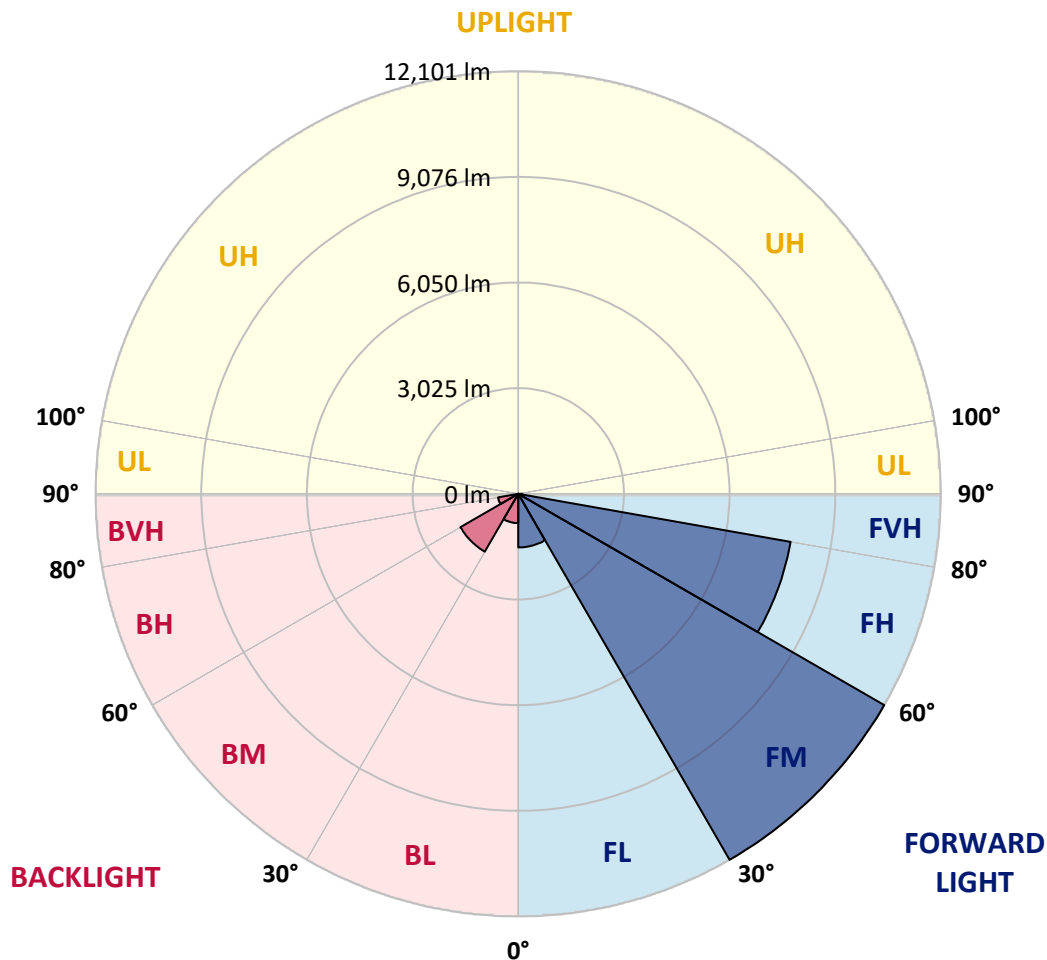
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1536.0	6.1			
FM (30°-60°)	12100.8	48.4			
FH (60°-80°)	7918.2	31.7			G4/12000
FVH (80°-90°)	112.1	0.4			G2/225
BL (0°-30°)	839.8	3.4	B2/1000		
BM (30°-60°)	1912.2	7.6	B2/2500		
BH (60°-80°)	587.1	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.8	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2909.2	2909.2	2909.2	2909.2	2909.2	2909.2	2909.2	2909.2	2909.2	2909.2
2.5°	2899.1	2919.2	2914.2	2909.2	2907.5	2910.8	2912.5	2910.8	2910.8	2910.8
5°	2843.8	2860.5	2860.5	2872.3	2889.0	2909.2	2924.2	2927.6	2931.0	2936.0
7.5°	2738.1	2751.5	2761.6	2800.2	2842.1	2895.7	2941.0	2964.5	2967.8	2986.3
10°	2666.0	2682.8	2699.6	2739.8	2800.2	2880.7	2957.8	3014.8	3023.2	3066.8
12.5°	2662.7	2679.4	2701.2	2744.8	2815.3	2900.8	2994.7	3076.8	3091.9	3155.6
15°	2697.9	2718.0	2738.1	2791.8	2867.2	2971.2	3071.8	3174.1	3189.2	3279.7
17.5°	2770.0	2796.8	2811.9	2865.6	2946.0	3061.7	3194.2	3311.6	3325.0	3430.6
20°	2912.5	2944.4	2949.4	2993.0	3071.8	3195.9	3353.5	3499.4	3516.1	3636.9
22.5°	3207.6	3252.9	3212.6	3234.4	3304.9	3428.9	3600.0	3784.4	3807.9	3945.4
25°	3727.4	3791.1	3687.2	3650.3	3680.5	3809.6	4024.2	4257.3	4284.1	4394.8
27.5°	4748.5	4666.4	4508.8	4354.5	4264.0	4337.7	4579.2	4867.6	4901.1	5008.4
30°	5870.3	5798.2	5585.2	5243.2	5028.6	5016.8	5239.8	5561.8	5600.3	5702.6
32.5°	6993.7	6925.0	6693.6	6272.7	5900.5	5716.0	5870.3	6227.4	6247.6	6313.0
35°	8098.7	8028.3	7796.9	7365.9	6908.2	6489.0	6458.8	6861.2	6868.0	6936.7
37.5°	9210.4	9151.7	8905.2	8482.7	8031.6	7453.1	7173.1	7461.5	7469.9	7537.0
40°	10003.5	10028.6	9859.3	9532.3	9145.0	8512.8	7974.6	8100.4	8050.1	8162.4
42.5°	10684.2	10734.5	10587.0	10422.7	10198.0	9641.3	8967.2	8945.4	8865.0	8925.3
45°	11272.8	11314.7	11182.2	11143.7	11138.6	10747.9	10052.1	9921.3	9809.0	9797.2
47.5°	11489.1	11569.6	11626.6	11755.7	12007.2	11842.9	11173.8	10971.0	10845.2	10753.0
50°	11571.2	11656.7	11851.2	12226.8	12822.1	12892.5	12290.6	12062.5	11908.3	11740.6
52.5°	11460.6	11613.1	11874.7	12506.9	13370.4	13734.2	13362.0	13162.5	12986.4	12713.1
55°	10808.3	10960.9	11495.8	12503.5	13643.7	14324.4	14374.7	14285.9	14088.0	13657.1
57.5°	9433.4	9659.7	10506.5	12077.6	13638.7	14832.5	15367.4	15431.1	15209.8	14592.7
60°	7528.6	7835.4	8868.3	11133.6	13217.8	15107.5	16237.6	16556.2	16321.5	15514.9
62.5°	5253.2	5608.7	6586.3	9654.7	12255.3	14909.6	16873.1	17461.6	17283.9	16339.9
65°	3204.3	3318.3	4106.4	7597.3	10618.8	14081.3	17069.3	17951.2	17892.6	16844.6
67.5°	2134.5	2230.1	2456.4	5209.7	8242.9	12426.4	16599.8	17865.7	17882.5	16762.4
70°	1286.1	1368.2	1515.8	3029.9	5342.1	9835.8	15146.1	16775.8	16873.1	15664.2
72.5°	529.9	585.2	719.3	1373.3	2766.6	6242.5	12060.8	14403.3	14629.6	13170.8
75°	300.1	328.6	422.5	689.1	1200.6	2909.2	7305.6	10224.8	10558.5	9077.9
77.5°	199.5	212.9	273.3	446.0	675.7	992.6	3122.1	5327.0	5964.2	4958.1
80°	134.1	145.9	187.8	298.5	439.3	425.9	994.3	1973.5	2427.9	1703.6
82.5°	90.5	92.2	134.1	196.2	278.3	206.2	293.4	613.7	771.3	493.0
85°	52.0	50.3	98.9	114.0	124.1	85.5	88.9	184.4	241.5	207.9
87.5°	6.7	10.1	38.6	30.2	16.8	18.4	18.4	31.9	46.9	50.3
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°
2909.2	0°	2909.2	2909.2	2909.2	2909.2	2909.2	2909.2	2909.2	2909.2	2909.2	2909.2
2912.5	2.5°	2912.5	2910.8	2905.8	2900.8	2889.0	2882.3	2885.7	2882.3	2880.7	2882.3
2934.3	5°	2934.3	2929.3	2915.9	2899.1	2875.6	2847.1	2828.7	2801.8	2776.7	2761.6
2993.0	7.5°	2993.0	2988.0	2969.5	2922.6	2847.1	2728.1	2619.1	2523.5	2451.4	2409.5
3086.9	10°	3086.9	3078.5	3050.0	2946.0	2748.2	2488.3	2272.0	2092.6	1975.2	1919.9
3197.6	12.5°	3197.6	3187.5	3137.2	2924.2	2560.4	2154.6	1856.2	1656.6	1547.6	1499.0
3325.0	15°	3328.3	3314.9	3216.0	2820.3	2287.1	1785.7	1512.4	1363.2	1292.8	1249.2
3487.6	17.5°	3491.0	3467.5	3274.7	2664.4	1990.3	1504.0	1301.2	1188.8	1126.8	1084.9
3700.6	20°	3702.3	3663.7	3321.6	2478.2	1717.0	1326.3	1158.6	1064.7	1017.8	980.9
4002.4	22.5°	3997.4	3942.0	3378.6	2277.0	1524.2	1203.9	1053.0	984.3	945.7	903.8
4423.3	25°	4362.9	4297.5	3449.1	2090.9	1391.7	1098.3	975.9	918.9	873.6	825.0
4974.9	27.5°	4874.3	4756.9	3532.9	1938.3	1277.7	1007.7	905.4	841.7	789.7	749.5
5600.3	30°	5444.4	5251.6	3606.7	1846.1	1173.7	923.9	813.2	749.5	700.9	672.4
6162.0	32.5°	5984.3	5722.7	3655.3	1805.9	1079.8	828.3	712.6	643.9	607.0	598.6
6712.0	35°	6494.0	6148.6	3650.3	1767.3	996.0	732.7	613.7	543.3	514.8	519.8
7303.9	37.5°	7080.9	6603.0	3615.1	1706.9	927.2	645.5	528.2	466.1	441.0	442.7
8023.2	40°	7763.3	7127.8	3593.3	1592.9	851.8	565.1	457.8	407.4	389.0	382.3
8781.1	42.5°	8491.0	7635.9	3596.6	1463.8	757.9	493.0	409.1	367.2	350.4	345.4
9624.5	45°	9222.1	8120.5	3601.7	1329.7	659.0	437.6	373.9	338.7	328.6	321.9
10479.7	47.5°	9909.6	8533.0	3507.8	1185.5	561.7	395.7	345.4	321.9	313.6	305.2
11338.2	50°	10550.1	8807.9	3281.4	1017.8	484.6	362.2	323.6	306.8	298.5	290.1
12116.2	52.5°	11048.1	8851.5	2907.5	845.1	430.9	337.0	310.2	295.1	285.0	276.7
12745.0	55°	11269.4	8578.2	2375.9	684.1	389.0	315.2	296.8	281.7	270.0	261.6
13239.6	57.5°	11212.4	8003.1	1852.8	550.0	348.8	293.4	280.0	270.0	256.5	243.1
13640.3	60°	10932.4	7233.5	1396.7	457.8	311.9	270.0	261.6	253.2	234.7	214.6
13794.6	62.5°	10447.8	6266.0	996.0	378.9	271.6	243.1	239.8	233.1	206.2	169.4
13566.6	65°	9706.7	5090.6	670.7	315.2	233.1	212.9	214.6	202.9	167.7	125.8
12731.5	67.5°	8623.5	3722.4	429.2	258.2	194.5	177.7	179.4	172.7	142.5	107.3
11148.7	70°	7243.5	2464.8	280.0	196.2	155.9	137.5	147.6	149.2	120.7	87.2
8556.4	72.5°	5310.3	1455.4	196.2	145.9	114.0	95.6	120.7	124.1	97.3	65.4
5147.6	75°	3026.5	690.8	147.6	105.6	70.4	67.1	93.9	93.9	67.1	43.6
2228.4	77.5°	1271.0	288.4	104.0	68.7	40.2	38.6	63.7	58.7	33.5	20.1
543.3	80°	367.2	129.1	55.3	33.5	16.8	15.1	25.2	18.4	8.4	3.4
206.2	82.5°	144.2	57.0	21.8	13.4	6.7	6.7	3.4	0.0	0.0	0.0
117.4	85°	85.5	23.5	10.1	5.0	1.7	0.0	0.0	0.0	0.0	0.0
25.2	87.5°	21.8	5.0	3.4	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°
2909.2
2889.0
2765.0
2411.2
1914.8
1494.0
1250.9
1081.5
974.2
897.1
819.9
741.1
667.3
603.6
519.8
449.4
380.6
343.7
321.9
305.2
290.1
275.0
259.9
241.5
211.3
166.0
122.4
102.3
83.8
62.0
40.2
20.1
3.4
0.0
0.0
0.0
0.0

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