

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: P950200

Luminaire Tested: **GLAN-SB4D-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

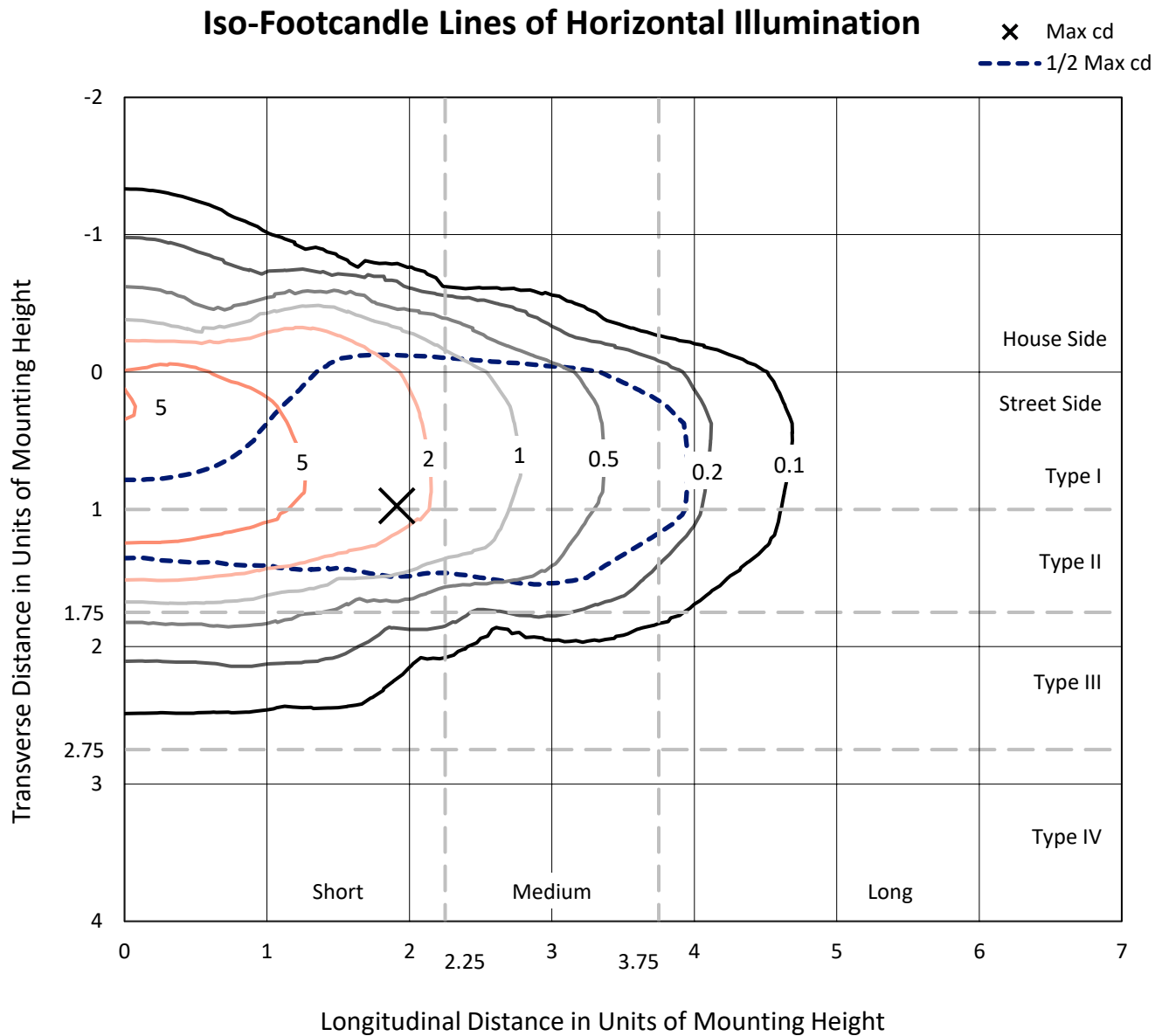
Lumens per Lamp: N/A
Luminaire Lumens: 25748 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

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



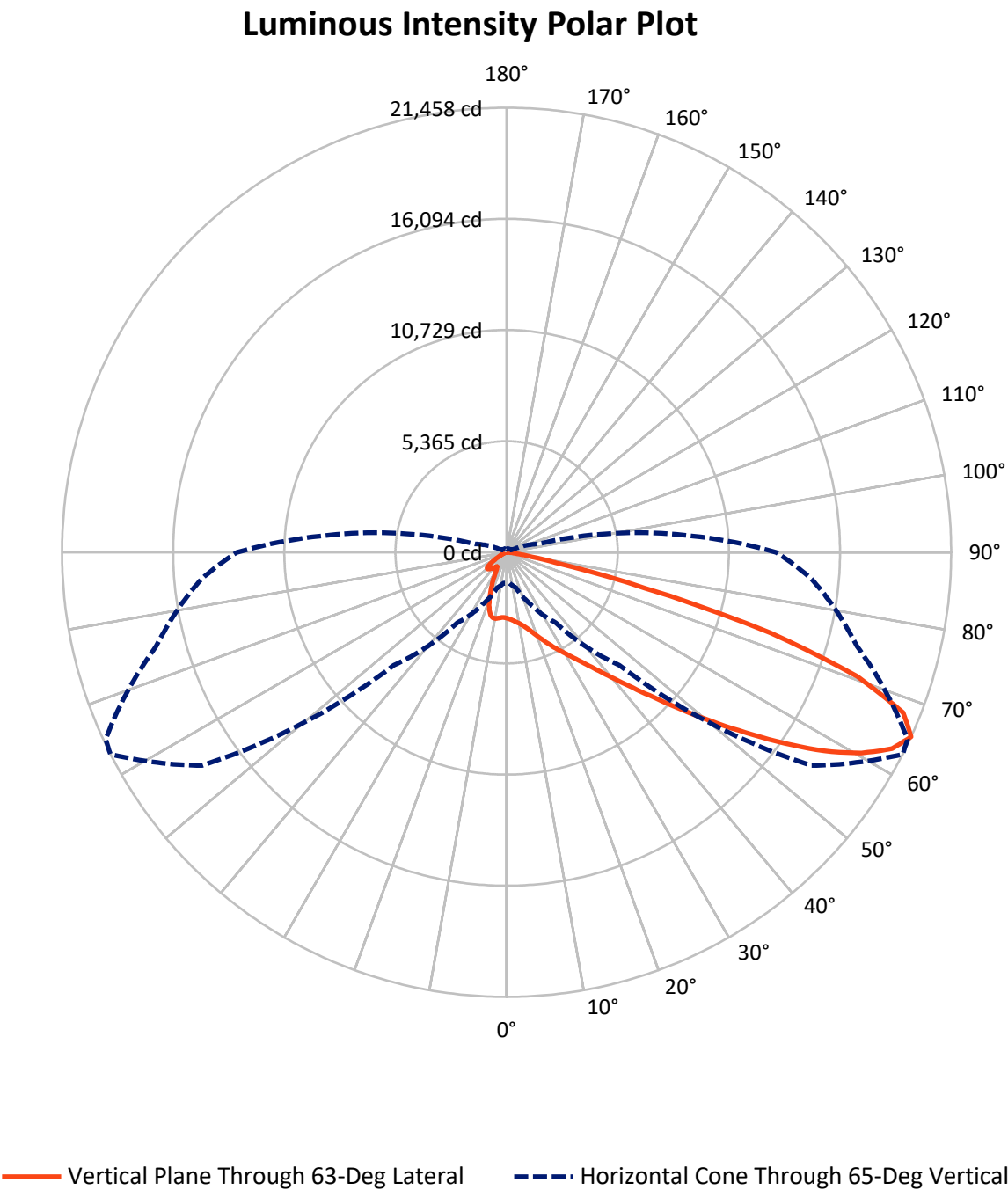
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CATALOG NUMBER: GLAN-SB4D-722-U-T2U-HSS



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
Type II - Short - N/A

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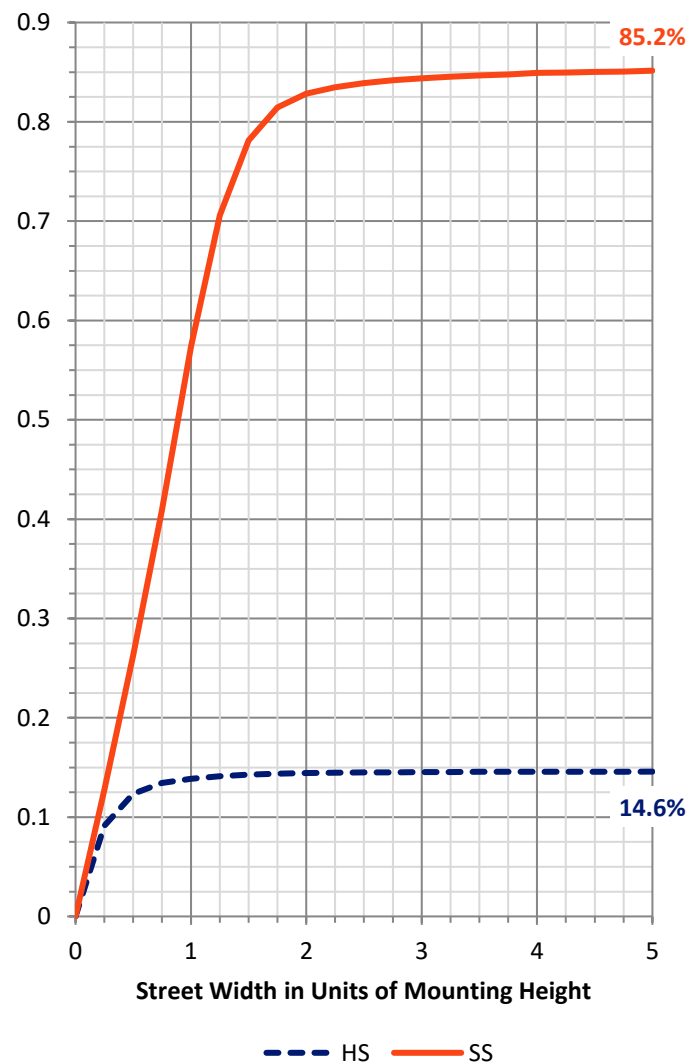
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3784.8	0.0	3784.8
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	21963.2	0.0	21963.2
	% Fixture	85.3	0.0	85.3
Total	Lumens	25748.0	0.0	25748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.4	1.2
10°-20°	830.7	3.2
20°-30°	1446.5	5.6
30°-40°	2607.2	10.1
40°-50°	5171.0	20.1
50°-60°	7043.7	27.4
60°-70°	5622.3	21.8
70°-80°	2544.2	9.9
80°-90°	182.9	0.7
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°	25748.0	100.0
0°-180°	25748.0	100.0

Coefficient of Utilization



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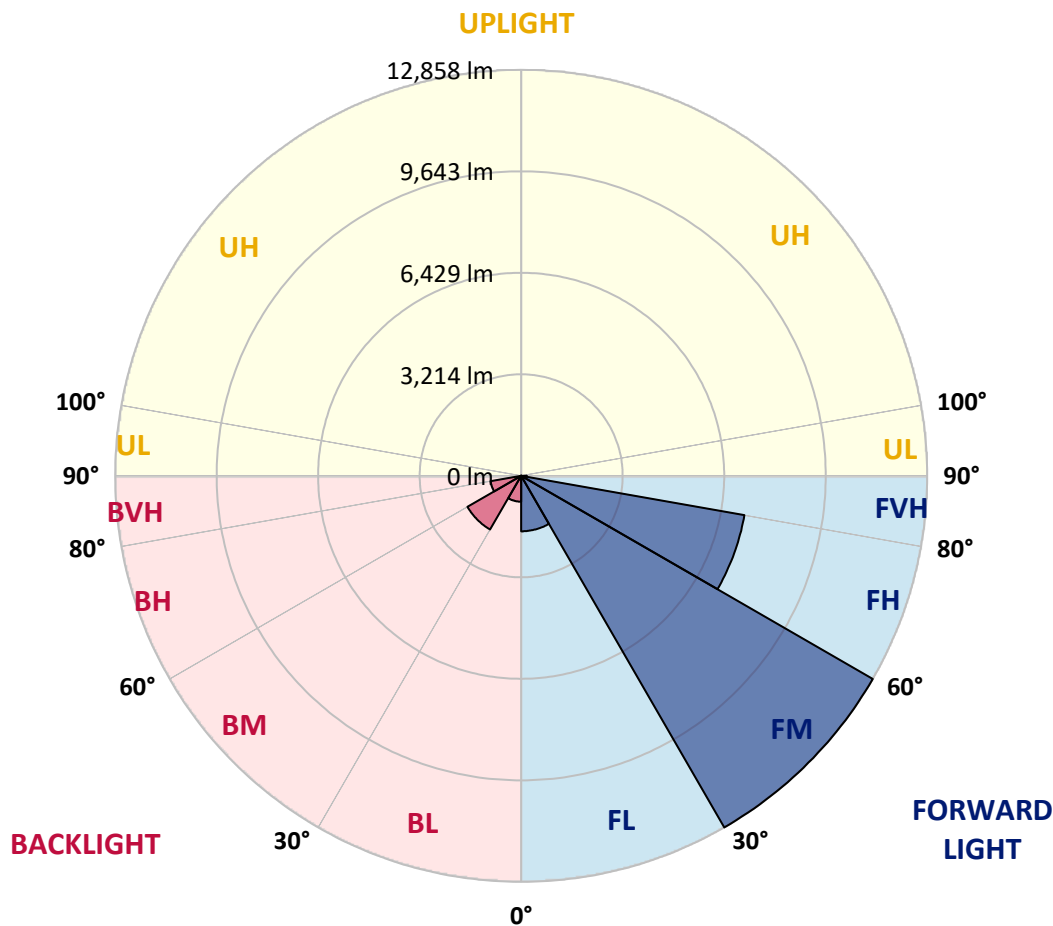
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1757.6	6.8			
FM	(30°-60°)	12857.9	49.9			
FH	(60°-80°)	7178.4	27.9			G3/7500
FVH	(80°-90°)	169.3	0.7			G2/225
BL	(0°-30°)	819.1	3.2	B2/1000		
BM	(30°-60°)	1964.1	7.6	B2/2500		
BH	(60°-80°)	988.0	3.8	B2/1000		G2/1000
BVH	(80°-90°)	13.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	3177.8	3177.8	3177.8	3177.8	3177.8	3177.8	3177.8	3177.8	3177.8	3177.8
2.5°	3252.2	3243.3	3255.7	3250.4	3246.9	3239.8	3236.2	3232.7	3225.6	3220.3
5°	3261.0	3255.7	3268.1	3278.8	3289.4	3300.0	3305.3	3312.4	3305.3	3291.2
7.5°	3186.6	3183.1	3209.7	3241.6	3289.4	3330.1	3374.4	3399.2	3401.0	3395.7
10°	3181.3	3172.5	3199.0	3238.0	3300.0	3372.6	3450.6	3503.7	3510.8	3533.8
12.5°	3264.6	3255.7	3292.9	3335.4	3399.2	3475.4	3571.0	3645.4	3656.1	3687.9
15°	3404.5	3392.1	3434.6	3489.5	3571.0	3657.8	3758.8	3826.1	3835.0	3873.9
17.5°	3567.5	3555.1	3604.7	3663.1	3751.7	3870.4	3987.3	4061.7	4072.3	4097.1
20°	3776.5	3760.6	3799.5	3852.7	3946.6	4088.3	4228.2	4334.5	4332.7	4332.7
22.5°	4019.2	3994.4	4028.0	4070.5	4159.1	4330.9	4516.9	4642.7	4642.7	4593.1
25°	4279.6	4254.8	4292.0	4330.9	4408.9	4603.7	4821.6	4977.5	4984.6	4899.5
27.5°	4605.5	4573.6	4601.9	4648.0	4694.1	4892.4	5151.1	5331.7	5335.3	5204.2
30°	5232.5	5142.2	5053.6	5004.0	5025.3	5221.9	5498.2	5698.4	5716.1	5535.4
32.5°	6380.4	6362.7	6050.9	5643.5	5430.9	5576.2	5886.2	6127.1	6137.7	5905.7
35°	8164.1	8142.9	7641.6	6865.7	6173.1	6050.9	6357.4	6642.5	6635.5	6373.3
37.5°	10293.3	10273.8	9613.1	8575.1	7453.8	6768.3	6964.9	7264.3	7308.6	6964.9
40°	12112.4	12039.8	11621.8	10621.0	9154.3	7958.6	7829.3	8027.7	8073.8	7666.4
42.5°	13490.5	13428.6	13216.0	12590.7	11212.6	9719.4	8847.9	8924.0	8975.4	8486.5
45°	14204.4	14190.2	14275.3	14216.8	13309.9	11880.4	10303.9	9986.8	10006.3	9395.2
47.5°	14305.4	14298.3	14686.2	15235.3	15113.1	14317.8	12172.7	11311.8	11242.7	10420.8
50°	13710.2	13696.0	14440.0	15469.1	16317.6	16365.4	14294.7	12805.0	12652.7	11481.8
52.5°	11809.5	11806.0	13028.2	14741.1	16741.0	18158.0	16392.0	14445.3	14190.2	12604.9
55°	9087.0	9152.5	10553.7	12578.3	15968.7	19020.7	18274.9	16266.2	15874.8	13735.0
57.5°	6437.1	6532.7	7917.9	9721.1	13573.8	18510.5	19548.5	18090.7	17669.1	14861.6
60°	3457.7	3542.7	4929.6	7081.8	10098.4	16608.1	20219.9	19674.3	19275.8	15931.5
62.5°	2060.1	2088.4	2662.3	4571.8	6830.3	12688.1	19934.7	20880.6	20552.9	16829.5
65°	1479.1	1484.4	1773.1	2791.6	4146.7	7708.9	17934.8	21458.1	21357.1	17506.2
67.5°	1245.3	1241.7	1362.2	1854.6	2825.3	3861.5	13745.6	20641.5	21070.1	17934.8
70°	1068.1	1073.4	1215.1	1358.6	2123.8	2185.8	6833.8	17972.0	18886.1	18048.2
72.5°	795.3	813.0	944.1	1238.2	1603.1	1503.9	2359.4	13325.8	14978.5	17004.9
75°	561.5	570.4	664.3	1041.5	1195.7	1094.7	1204.5	6888.8	9007.3	13037.1
77.5°	432.2	448.1	503.1	728.0	1177.9	768.8	736.9	2384.2	3663.1	7875.4
80°	233.8	262.2	363.1	526.1	827.2	543.8	364.9	949.4	1241.7	3682.6
82.5°	120.5	134.6	253.3	379.1	471.2	474.7	180.7	395.0	511.9	1137.2
85°	47.8	58.5	170.0	209.0	242.7	233.8	81.5	159.4	184.2	315.3
87.5°	10.6	17.7	62.0	47.8	46.1	49.6	19.5	37.2	35.4	37.2
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°
3177.8	0°	3177.8	3177.8	3177.8	3177.8	3177.8	3177.8	3177.8	3177.8	3177.8	3177.8
3199.0	2.5°	3197.3	3190.2	3170.7	3149.4	3124.6	3110.5	3101.6	3099.9	3087.5	3078.6
3269.9	5°	3250.4	3243.3	3206.1	3161.8	3114.0	3076.8	3041.4	3009.5	2963.5	2954.6
3372.6	7.5°	3356.7	3337.2	3277.0	3216.8	3126.4	3018.4	2887.3	2736.7	2602.1	2561.4
3509.0	10°	3487.8	3461.2	3385.0	3278.8	3078.6	2784.6	2467.5	2173.4	1939.6	1874.1
3670.2	12.5°	3636.6	3613.5	3512.6	3316.0	2878.4	2345.3	1859.9	1495.0	1268.3	1211.6
3842.0	15°	3813.7	3780.0	3640.1	3259.3	2520.6	1782.0	1277.1	1061.0	979.6	968.9
4038.7	17.5°	4001.5	3946.6	3753.5	3055.6	2038.8	1266.5	986.6	924.6	889.2	878.6
4237.1	20°	4173.3	4102.4	3820.8	2747.4	1523.4	986.6	883.9	843.2	811.3	798.9
4435.4	22.5°	4345.1	4244.1	3820.8	2327.5	1142.5	875.0	811.3	774.1	736.9	720.9
4648.0	25°	4524.0	4389.4	3753.5	1859.9	919.3	802.4	742.2	701.5	669.6	650.1
4849.9	27.5°	4697.6	4511.6	3599.4	1417.1	818.4	738.7	678.4	639.5	609.3	595.2
5069.6	30°	4862.3	4632.1	3383.3	1075.2	752.8	676.7	620.0	586.3	556.2	542.0
5354.8	32.5°	5085.5	4784.4	3153.0	882.1	696.1	618.2	566.8	534.9	508.4	497.7
5725.0	35°	5395.5	5009.4	2954.6	866.2	648.3	570.4	519.0	488.9	462.3	453.5
6203.2	37.5°	5834.8	5372.5	2850.1	972.5	609.3	527.9	480.0	448.1	423.4	416.3
6810.8	40°	6376.8	5864.9	2906.8	1078.7	582.8	490.7	444.6	412.7	391.5	382.6
7508.7	42.5°	7019.8	6472.5	3220.3	1160.2	565.1	458.8	411.0	375.5	361.4	357.8
8300.5	45°	7758.5	7140.3	3700.3	1247.0	536.7	428.7	377.3	350.7	340.1	338.3
9161.4	47.5°	8598.1	7873.6	4256.5	1355.1	508.4	400.3	350.7	333.0	324.2	320.6
10059.5	50°	9430.6	8612.3	4828.7	1415.3	485.3	373.8	329.5	315.3	308.2	306.4
11008.9	52.5°	10302.1	9372.2	5291.0	1358.6	465.9	352.5	311.8	301.1	294.0	292.3
11883.9	55°	11132.9	9986.8	5370.7	1153.1	426.9	331.2	292.3	287.0	278.1	278.1
12771.4	57.5°	11848.5	10295.0	4807.4	846.7	387.9	299.4	272.8	267.5	260.4	258.6
13572.0	60°	12505.7	10206.5	3711.0	570.4	345.4	267.5	248.0	244.4	237.4	228.5
14268.2	62.5°	12875.9	9816.8	2538.3	372.0	302.9	233.8	219.6	217.9	201.9	184.2
14783.6	65°	13015.8	9016.1	1583.6	271.0	253.3	200.2	189.5	186.0	163.0	143.5
15075.9	67.5°	12893.6	7698.3	798.9	214.3	200.2	166.5	155.9	155.9	139.9	122.2
15058.2	70°	12404.7	5771.0	336.6	171.8	154.1	127.5	127.5	134.6	118.7	99.2
14277.0	72.5°	11343.7	3882.8	178.9	131.1	115.1	90.3	104.5	109.8	93.9	74.4
11685.6	75°	9017.9	2368.3	124.0	97.4	72.6	63.8	79.7	83.3	63.8	49.6
8011.8	77.5°	6167.8	1360.4	83.3	62.0	46.1	37.2	54.9	51.4	33.7	23.0
3089.2	80°	2708.4	566.8	47.8	28.3	17.7	14.2	19.5	14.2	10.6	7.1
423.4	82.5°	317.1	132.9	17.7	10.6	7.1	3.5	1.8	0.0	0.0	0.0
129.3	85°	65.5	15.9	8.9	3.5	1.8	0.0	0.0	0.0	0.0	0.0
23.0	87.5°	12.4	3.5	1.8	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

(END O

180°
3177.8
3087.5
2951.1
2541.9
1849.3
1195.7
958.3
873.3
791.8
712.1
643.0
595.2
543.8
497.7
453.5
414.5
380.8
357.8
336.6
320.6
306.4
292.3
276.3
256.8
226.7
180.7
141.7
120.5
97.4
74.4
47.8
24.8
7.1
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