

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: P853056

Luminaire Tested: **GLAN-SB8B-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853056
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-SB8B-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 450mA 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: 29602 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

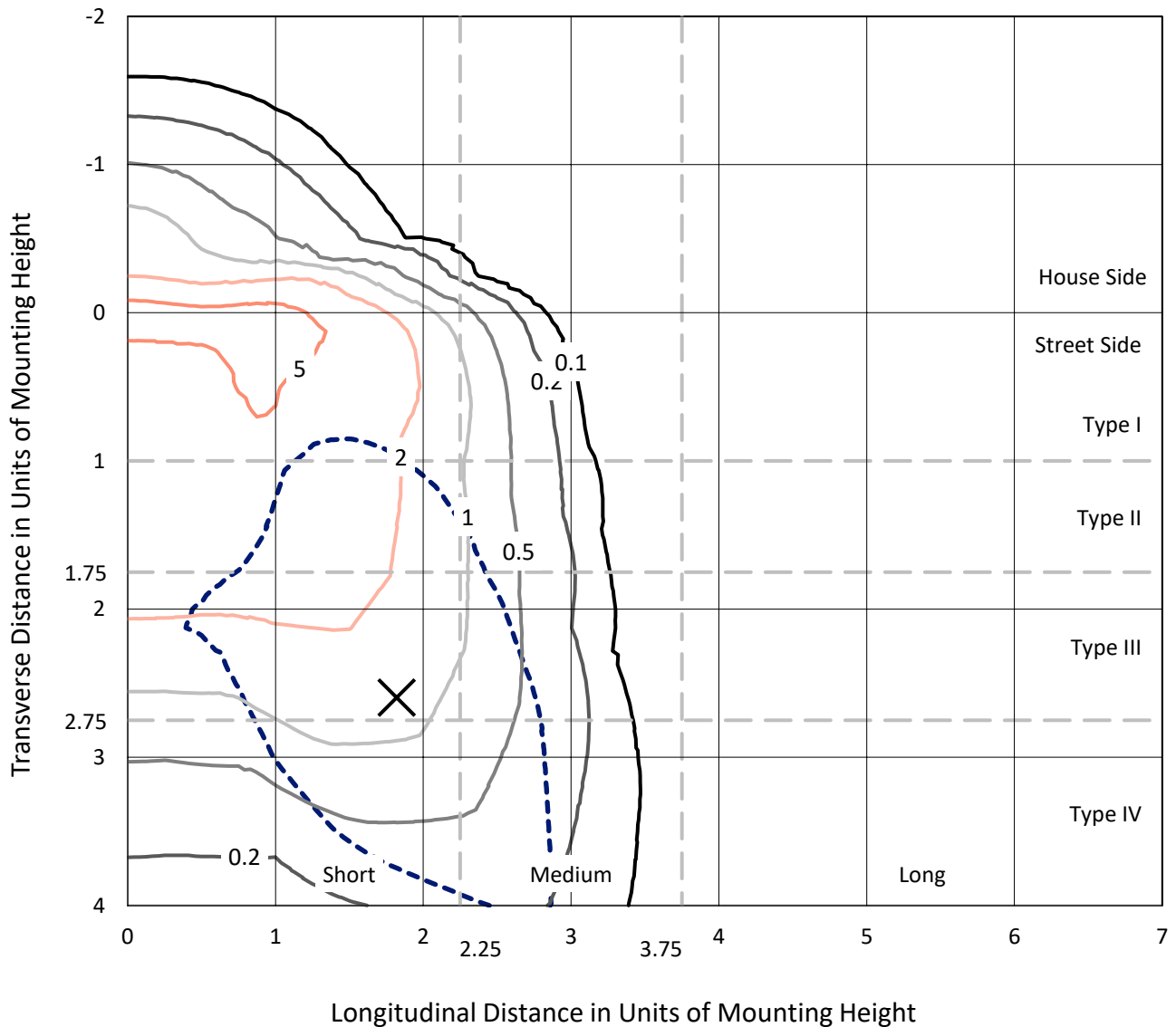
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

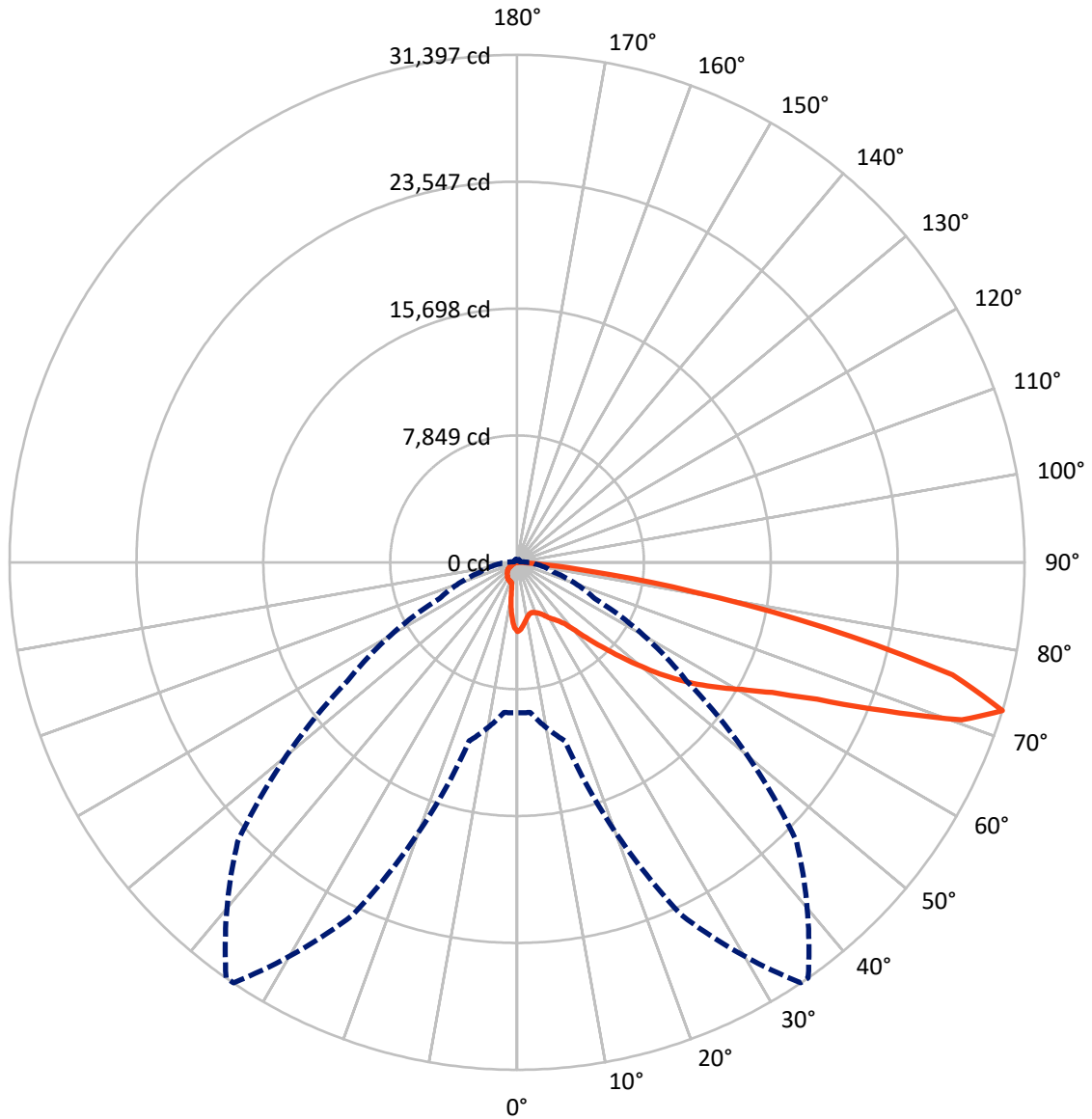
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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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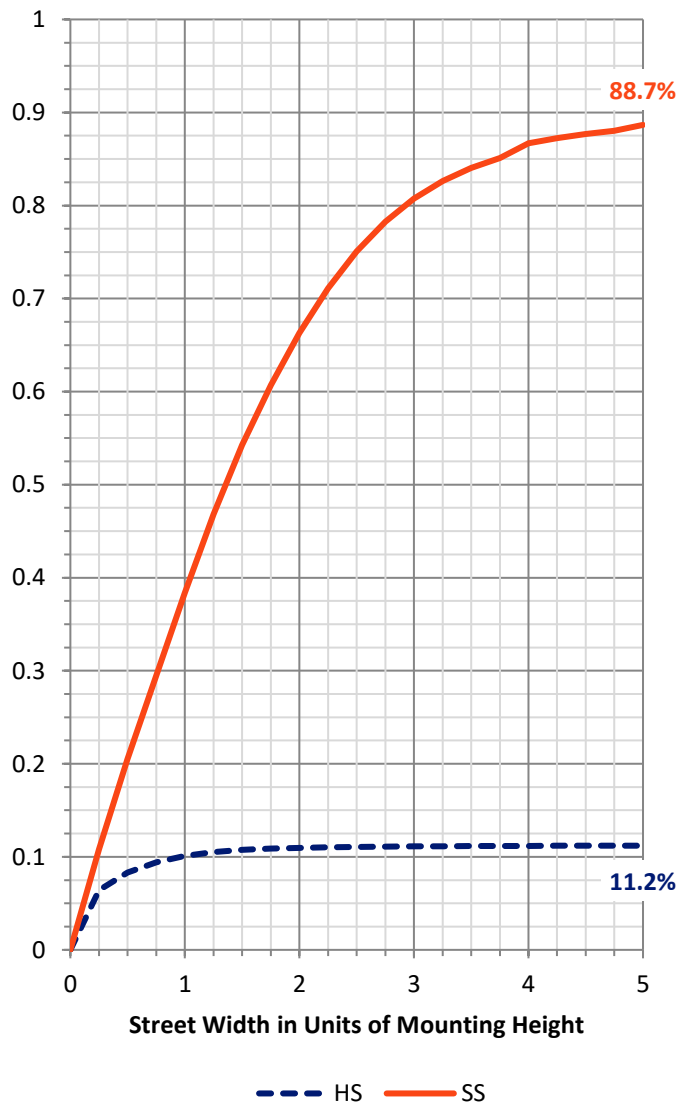
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3331.6	0.0	3331.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	26270.4	0.0	26270.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	29602.0	0.0	29602.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.5	1.2
10°-20°	824.7	2.8
20°-30°	1339.8	4.5
30°-40°	2235.4	7.6
40°-50°	4229.5	14.3
50°-60°	6720.6	22.7
60°-70°	8313.8	28.1
70°-80°	5167.9	17.5
80°-90°	417.7	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°	29602.0	100.0
0°-180°	29602.0	100.0

Coefficient of Utilization



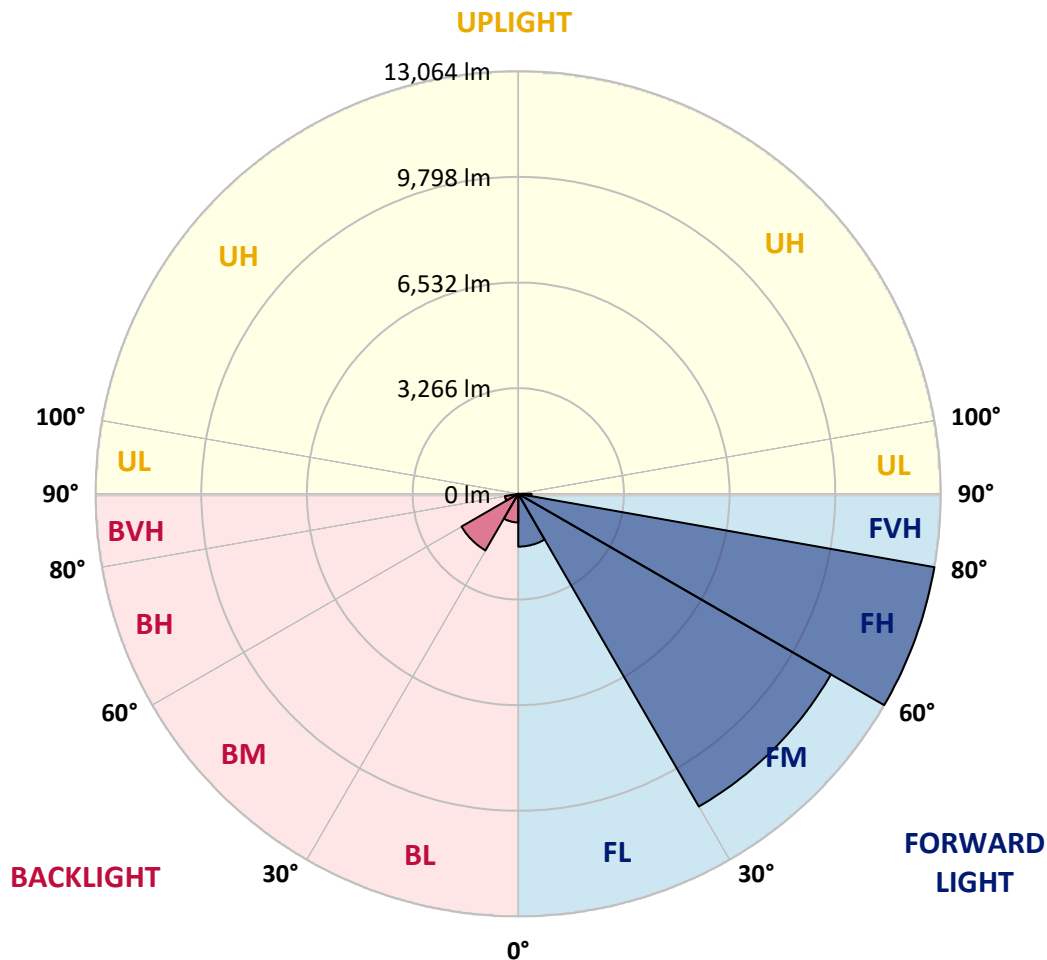
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1631.8	5.5			
FM (30°-60°)	11162.9	37.7			
FH (60°-80°)	13063.7	44.1			G5
FVH (80°-90°)	412.0	1.4			G3/500
BL (0°-30°)	885.3	3.0	B2/1000		
BM (30°-60°)	2022.6	6.8	B2/2500		
BH (60°-80°)	418.1	1.4	B1/500		G1/500
BVH (80°-90°)	5.7	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4290.3	4290.3	4290.3	4290.3	4290.3	4290.3	4290.3	4290.3	4290.3	4290.3
2.5°	4099.4	4134.2	4140.7	4151.5	4151.5	4164.5	4186.2	4216.6	4266.5	4292.5
5°	3778.4	3804.5	3837.0	3863.0	3912.9	3919.4	4004.0	4086.4	4201.4	4288.2
7.5°	3455.2	3485.6	3529.0	3591.9	3657.0	3676.5	3804.5	3943.3	4125.5	4288.2
10°	3227.5	3229.7	3268.7	3331.6	3435.7	3459.6	3615.8	3813.1	4040.9	4262.1
12.5°	3099.5	3114.7	3132.1	3179.8	3279.6	3294.7	3461.8	3693.8	3956.3	4246.9
15°	3099.5	3110.4	3121.2	3145.1	3225.3	3238.3	3385.8	3617.9	3912.9	4253.4
17.5°	3132.1	3149.4	3140.7	3168.9	3253.5	3262.2	3392.3	3596.2	3910.7	4294.7
20°	3210.2	3223.2	3205.8	3223.2	3307.8	3325.1	3459.6	3637.4	3947.6	4366.2
22.5°	3333.8	3340.3	3299.1	3312.1	3398.9	3420.5	3576.7	3754.6	4036.5	4481.2
25°	3490.0	3503.0	3440.1	3455.2	3537.7	3563.7	3743.7	3930.3	4177.5	4639.5
27.5°	3670.0	3676.5	3622.3	3620.1	3726.4	3763.3	3945.4	4147.2	4366.2	4839.1
30°	3876.0	3895.6	3843.5	3834.8	3969.3	3999.7	4179.7	4414.0	4643.9	5138.4
32.5°	4038.7	4053.9	4023.5	4045.2	4181.9	4205.7	4463.8	4791.4	5079.8	5563.5
35°	4273.0	4281.6	4212.2	4251.3	4407.4	4468.2	4852.1	5320.6	5628.6	6097.1
37.5°	5121.1	5121.1	4826.1	4633.0	4782.7	4836.9	5383.5	5986.5	6305.3	6812.9
40°	6294.5	6275.0	5843.3	5448.6	5429.1	5535.3	6140.5	6825.9	7179.5	7671.8
42.5°	7546.0	7515.7	6927.9	6537.4	6472.4	6509.2	7014.6	7860.5	8220.6	8719.5
45°	8656.6	8647.9	8110.0	7585.1	7467.9	7585.1	8105.6	9070.8	9329.0	9853.9
47.5°	9587.1	9587.1	9194.5	8851.8	8791.0	8860.4	9582.7	10413.5	10389.6	11062.0
50°	10658.6	10649.9	10276.8	10129.3	10192.2	10289.8	11283.2	11827.7	11487.1	12248.5
52.5°	11409.0	11461.1	11333.1	11309.3	11630.3	11799.5	13009.8	13211.5	12469.7	13374.2
55°	12003.4	12064.1	12211.6	12378.6	12996.8	13218.0	14682.1	14523.8	13291.8	14350.2
57.5°	12844.9	12758.2	12985.9	13315.6	14315.5	14582.3	16302.4	15762.3	13953.3	15141.9
60°	13866.5	13879.6	13918.6	14335.1	15632.1	15974.8	17898.8	16933.5	14378.4	15627.8
62.5°	15094.2	15113.7	15194.0	15833.8	17399.9	17723.1	19599.3	17892.2	14573.6	15491.1
65°	15009.6	15092.0	15987.8	18176.4	20087.3	20406.1	21583.9	18564.6	14278.7	14241.8
67.5°	13673.5	13808.0	15306.8	20974.4	24139.0	24494.7	23982.9	18697.0	13005.4	11075.0
70°	11920.9	11968.7	13771.1	23490.5	28830.6	29190.7	26130.2	17241.5	9869.0	6177.4
72.5°	9309.4	9320.3	11435.1	24074.0	31377.0	31396.6	24444.9	12799.4	5307.6	2372.9
75°	6650.2	6585.1	7658.8	19523.4	27605.1	27826.4	18326.1	6003.8	2028.0	1121.4
77.5°	3565.9	3637.4	4333.7	11578.2	19070.0	19447.4	9999.2	1730.9	1032.5	763.5
80°	1101.9	1162.6	1776.4	5301.1	10801.7	11029.5	3706.9	770.0	720.1	544.4
82.5°	347.0	360.1	828.6	2227.6	4483.4	4587.5	1073.7	436.0	492.4	360.1
85°	99.8	101.9	368.7	830.7	1108.4	1130.1	301.5	169.2	282.0	223.4
87.5°	10.8	34.7	138.8	138.8	97.6	95.4	32.5	36.9	80.3	28.2
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°
4290.3	0°	4290.3	4290.3	4290.3	4290.3	4290.3	4290.3	4290.3	4290.3	4290.3	4290.3
4309.8	2.5°	4299.0	4301.2	4273.0	4225.3	4173.2	4129.8	4075.6	4032.2	4001.8	3993.2
4348.9	5°	4329.4	4314.2	4233.9	4088.6	3915.1	3765.4	3598.4	3466.1	3379.3	3342.5
4390.1	7.5°	4374.9	4331.5	4155.8	3869.5	3537.7	3242.7	2943.4	2711.3	2563.8	2490.0
4429.1	10°	4414.0	4327.2	4025.7	3552.9	3045.3	2598.5	2195.0	1915.2	1759.1	1685.3
4474.7	12.5°	4450.8	4325.0	3856.5	3177.6	2490.0	1943.4	1568.2	1429.4	1386.0	1370.8
4548.4	15°	4520.2	4331.5	3644.0	2748.1	1936.9	1468.4	1331.8	1329.6	1338.3	1333.9
4661.2	17.5°	4615.7	4338.0	3403.2	2292.7	1494.5	1294.9	1288.4	1307.9	1320.9	1314.4
4802.2	20°	4739.3	4364.1	3147.2	1841.5	1284.1	1251.5	1266.7	1284.1	1294.9	1284.1
4990.9	22.5°	4912.8	4409.6	2867.4	1479.3	1216.8	1225.5	1238.5	1258.0	1268.9	1253.7
5231.7	25°	5125.4	4481.2	2592.0	1286.2	1184.3	1195.1	1214.7	1236.3	1249.4	1234.2
5535.3	27.5°	5400.9	4596.2	2338.2	1242.8	1151.7	1158.3	1186.5	1219.0	1236.3	1216.8
5967.0	30°	5800.0	4784.9	2119.1	1262.4	1132.2	1117.0	1156.1	1201.6	1221.2	1203.8
6554.8	32.5°	6329.2	5051.6	1984.7	1292.7	1123.6	1069.3	1106.2	1164.8	1197.3	1186.5
7322.6	35°	7023.3	5457.3	1932.6	1327.4	1117.0	1019.4	1045.5	1108.4	1164.8	1175.6
8290.0	37.5°	7864.9	6021.2	1947.8	1342.6	1097.5	978.2	991.2	1045.5	1119.2	1153.9
9378.8	40°	8821.4	6678.4	2034.5	1327.4	1075.8	943.5	945.7	986.9	1052.0	1104.0
10550.1	42.5°	9808.3	7446.2	2195.0	1271.0	1056.3	913.2	906.7	934.8	978.2	1015.1
11719.2	45°	10747.5	8235.8	2353.4	1193.0	1032.5	882.8	867.6	878.5	887.1	902.3
12858.0	47.5°	11567.4	8791.0	2307.8	1121.4	999.9	848.1	822.1	817.7	791.7	789.5
13875.2	50°	12133.5	8912.5	2049.7	1049.8	952.2	809.0	767.8	741.8	696.3	674.6
14636.5	52.5°	12313.5	8433.2	1674.5	978.2	874.1	757.0	698.4	657.2	600.8	581.3
15074.7	55°	12074.9	7494.0	1338.3	891.5	765.7	687.6	622.5	568.3	522.7	498.9
15122.4	57.5°	11491.5	6298.8	1058.5	789.5	650.7	609.5	544.4	490.2	451.2	427.3
14593.2	60°	10524.1	5001.8	837.2	668.1	555.3	524.9	457.7	423.0	388.3	360.1
13226.7	62.5°	9055.7	3570.2	657.2	529.2	464.2	429.5	390.4	364.4	323.2	284.1
10769.2	65°	7066.7	2184.2	507.6	388.3	373.1	355.7	331.9	308.0	258.1	219.1
7025.5	67.5°	4457.3	1034.6	362.2	292.8	295.0	286.3	275.5	255.9	219.1	184.4
3147.2	70°	1963.0	501.0	238.6	223.4	219.1	219.1	227.7	221.2	186.5	154.0
1093.2	72.5°	668.1	269.0	177.9	169.2	158.3	156.2	190.9	184.4	149.7	119.3
544.4	75°	349.2	180.0	130.1	121.5	95.4	115.0	151.8	143.2	106.3	78.1
360.1	77.5°	227.7	128.0	88.9	78.1	54.2	75.9	112.8	99.8	62.9	39.0
236.4	80°	143.2	84.6	52.1	36.9	26.0	41.2	60.7	43.4	23.9	8.7
138.8	82.5°	75.9	43.4	19.5	13.0	10.8	13.0	15.2	10.8	4.3	0.0
71.6	85°	30.4	15.2	6.5	4.3	2.2	0.0	4.3	2.2	0.0	0.0
13.0	87.5°	10.8	2.2	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

(END O

180°
4290.3
4008.3
3355.5
2500.9
1687.5
1366.5
1331.8
1312.3
1281.9
1251.5
1232.0
1216.8
1201.6
1186.5
1175.6
1162.6
1121.4
1030.3
911.0
787.4
676.7
579.1
498.9
423.0
353.6
277.6
212.6
180.0
147.5
112.8
71.6
34.7
6.5
0.0
0.0
0.0
0.0

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