

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: P852664

Luminaire Tested: **GLAN-SB5C-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852664
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-SB5C-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 615mA 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: 27669 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

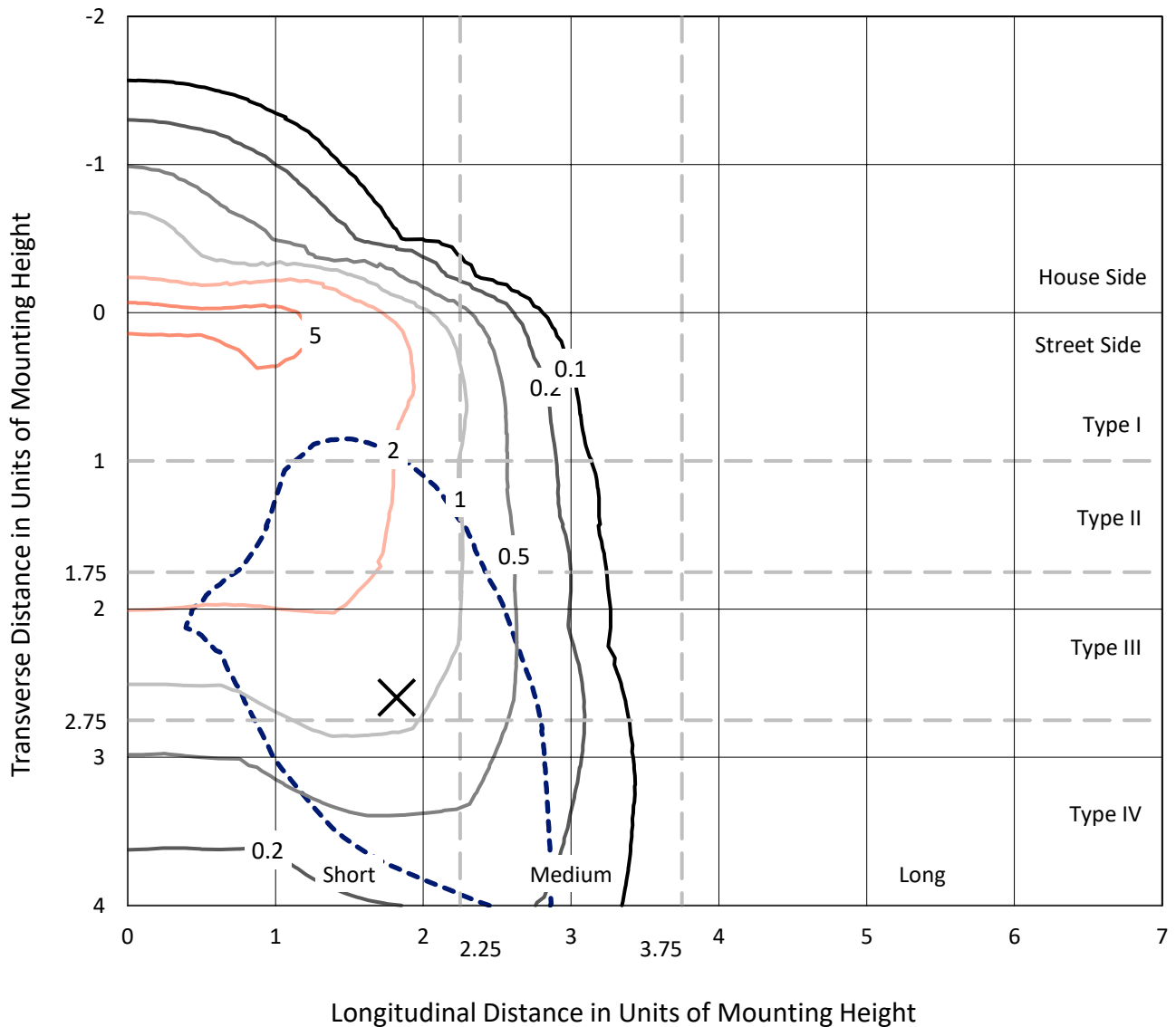
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

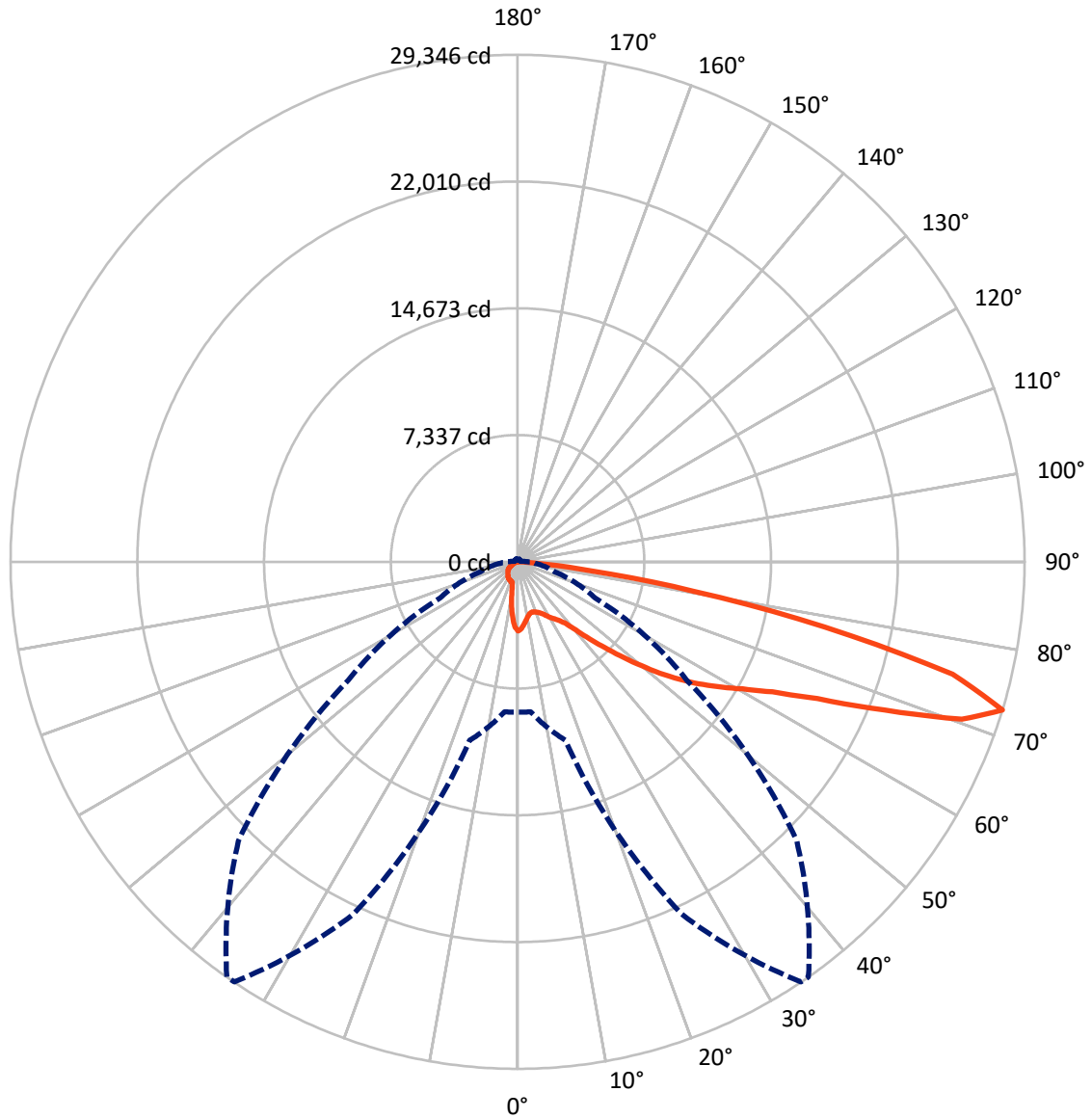
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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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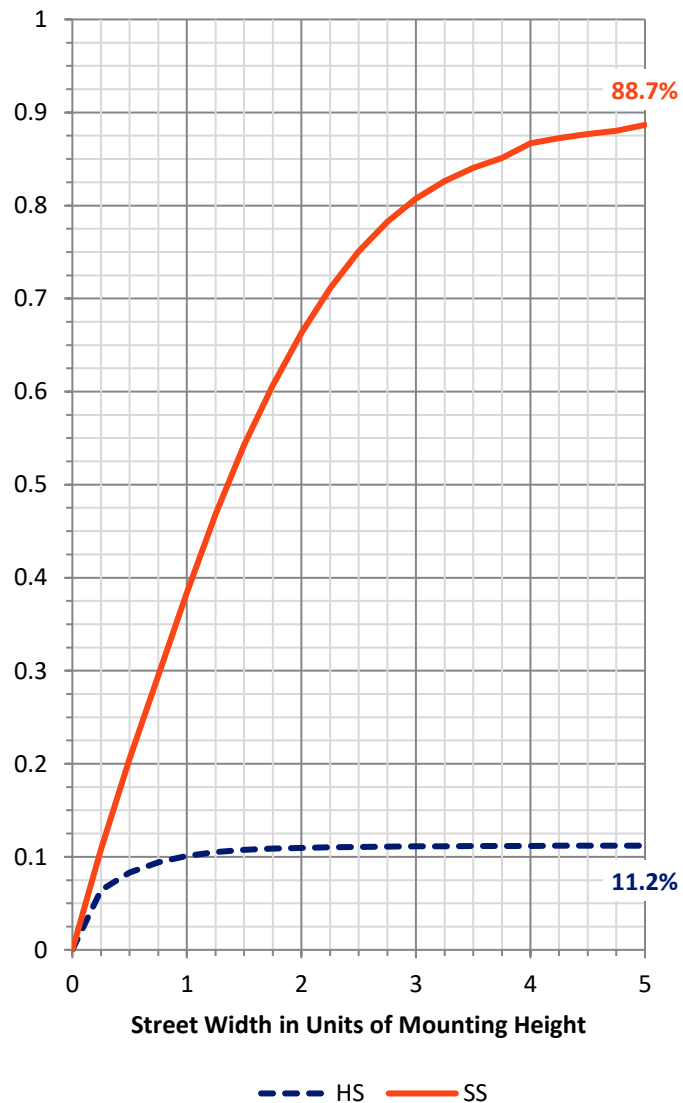
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3114.0	0.0	3114.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	24555.0	0.0	24555.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	27669.0	0.0	27669.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.5	1.2
10°-20°	770.9	2.8
20°-30°	1252.3	4.5
30°-40°	2089.4	7.6
40°-50°	3953.3	14.3
50°-60°	6281.7	22.7
60°-70°	7771.0	28.1
70°-80°	4830.5	17.5
80°-90°	390.4	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°	27669.0	100.0
0°-180°	27669.0	100.0

Coefficient of Utilization

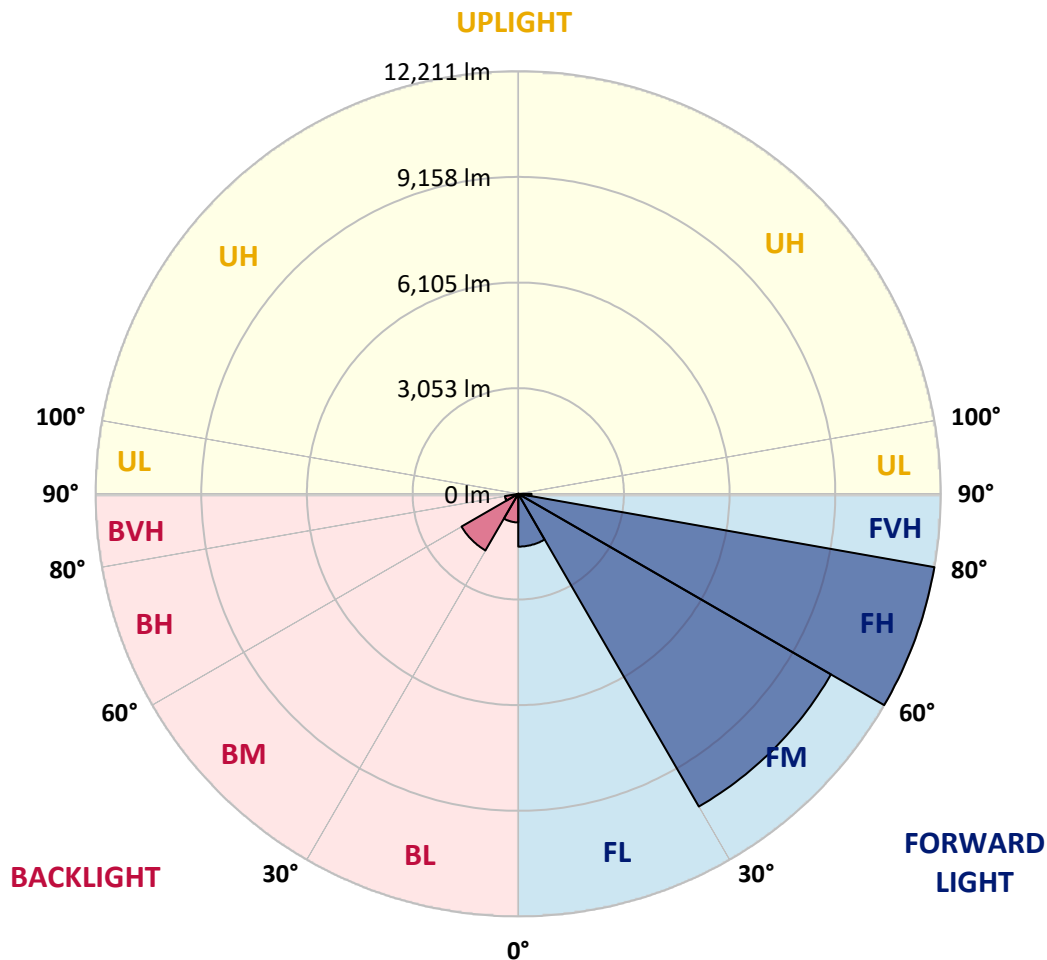


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1525.3	5.5			
FM (30°-60°)	10434.0	37.7			
FH (60°-80°)	12210.7	44.1			G5
FVH (80°-90°)	385.1	1.4			G3/500
BL (0°-30°)	827.5	3.0	B2/1000		
BM (30°-60°)	1890.5	6.8	B2/2500		
BH (60°-80°)	390.8	1.4	B1/500		G1/500
BVH (80°-90°)	5.3	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°	4010.2	4010.2	4010.2	4010.2	4010.2	4010.2	4010.2	4010.2	4010.2	4010.2
2.5°	3831.8	3864.2	3870.3	3880.4	3880.4	3892.6	3912.9	3941.2	3987.9	4012.2
5°	3531.7	3556.0	3586.4	3610.8	3657.4	3663.5	3742.6	3819.6	3927.0	4008.1
7.5°	3229.6	3258.0	3298.6	3357.3	3418.2	3436.4	3556.0	3685.8	3856.1	4008.1
10°	3016.7	3018.8	3055.3	3114.1	3211.4	3233.7	3379.6	3564.1	3777.0	3983.8
12.5°	2897.1	2911.3	2927.5	2972.1	3065.4	3079.6	3235.7	3452.6	3697.9	3969.6
15°	2897.1	2907.3	2917.4	2939.7	3014.7	3026.9	3164.7	3381.7	3657.4	3975.7
17.5°	2927.5	2943.8	2935.7	2962.0	3041.1	3049.2	3170.8	3361.4	3655.4	4014.2
20°	3000.5	3012.7	2996.5	3012.7	3091.8	3108.0	3233.7	3399.9	3689.8	4081.1
22.5°	3116.1	3122.2	3083.7	3095.8	3176.9	3197.2	3343.2	3509.4	3773.0	4188.6
25°	3262.1	3274.2	3215.4	3229.6	3306.7	3331.0	3499.3	3673.6	3904.7	4336.6
27.5°	3430.3	3436.4	3385.7	3383.7	3483.0	3517.5	3687.8	3876.4	4081.1	4523.1
30°	3622.9	3641.2	3592.5	3584.4	3710.1	3738.5	3906.8	4125.7	4340.6	4802.9
32.5°	3775.0	3789.2	3760.8	3781.1	3908.8	3931.1	4172.4	4478.5	4748.1	5200.2
35°	3993.9	4002.1	3937.2	3973.7	4119.6	4176.4	4535.3	4973.2	5261.1	5699.0
37.5°	4786.7	4786.7	4510.9	4330.5	4470.4	4521.1	5032.0	5595.6	5893.6	6368.0
40°	5883.5	5865.2	5461.8	5092.8	5074.5	5173.9	5739.5	6380.2	6710.6	7170.9
42.5°	7053.3	7024.9	6475.5	6110.5	6049.7	6084.2	6556.6	7347.2	7683.8	8150.1
45°	8091.3	8083.2	7580.4	7089.8	6980.3	7089.8	7576.3	8478.5	8719.8	9210.4
47.5°	8961.0	8961.0	8594.1	8273.8	8217.0	8281.9	8957.0	9733.5	9711.2	10339.7
50°	9962.6	9954.5	9605.7	9467.9	9526.7	9617.9	10546.5	11055.3	10737.0	11448.6
52.5°	10664.0	10712.7	10593.1	10570.8	10870.8	11029.0	12160.2	12348.8	11655.4	12500.9
55°	11219.5	11276.3	11414.2	11570.3	12148.1	12354.9	13723.4	13575.4	12423.8	13413.2
57.5°	12006.2	11925.1	12137.9	12446.1	13380.7	13630.1	15237.8	14733.0	13042.2	14153.2
60°	12961.1	12973.2	13009.7	13399.0	14611.4	14931.7	16730.0	15827.8	13439.5	14607.3
62.5°	14108.6	14126.8	14201.8	14799.9	16263.7	16565.8	18319.4	16723.9	13622.0	14479.6
65°	14029.5	14106.5	14943.8	16989.5	18775.6	19073.6	20174.5	17352.4	13346.3	13311.8
67.5°	12780.6	12906.3	14307.2	19604.8	22562.8	22895.2	22416.8	17476.1	12156.2	10351.8
70°	11142.5	11187.1	12871.9	21956.6	26948.0	27284.5	24423.9	16115.7	9224.6	5774.0
72.5°	8701.5	8711.7	10688.4	22501.9	29328.1	29346.4	22848.6	11963.6	4961.0	2218.0
75°	6216.0	6155.1	7158.7	18248.5	25802.5	26009.3	17129.4	5611.8	1895.6	1048.2
77.5°	3333.0	3399.9	4050.7	10822.2	17824.8	18177.5	9346.2	1617.9	965.0	713.6
80°	1029.9	1086.7	1660.4	4954.9	10096.4	10309.2	3464.8	719.7	673.1	508.9
82.5°	324.4	336.5	774.5	2082.1	4190.6	4287.9	1003.6	407.5	460.2	336.5
85°	93.3	95.3	344.7	776.5	1036.0	1056.3	281.8	158.1	263.6	208.8
87.5°	10.1	32.4	129.8	129.8	91.2	89.2	30.4	34.5	75.0	26.4
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°
4010.2	0°	4010.2	4010.2	4010.2	4010.2	4010.2	4010.2	4010.2	4010.2	4010.2	4010.2
4028.4	2.5°	4018.3	4020.3	3993.9	3949.3	3900.7	3860.1	3809.5	3768.9	3740.5	3732.4
4064.9	5°	4046.7	4032.5	3957.5	3821.6	3659.4	3519.5	3363.4	3239.8	3158.7	3124.2
4103.4	7.5°	4089.2	4048.7	3884.5	3616.9	3306.7	3030.9	2751.2	2534.2	2396.4	2327.4
4139.9	10°	4125.7	4044.6	3762.8	3320.9	2846.4	2428.8	2051.7	1790.2	1644.2	1575.3
4182.5	12.5°	4160.2	4042.6	3604.7	2970.1	2327.4	1816.5	1465.8	1336.0	1295.5	1281.3
4251.4	15°	4225.1	4048.7	3406.0	2568.7	1810.5	1372.5	1244.8	1242.8	1250.9	1246.8
4356.8	17.5°	4314.3	4054.8	3181.0	2142.9	1396.9	1210.3	1204.3	1222.5	1234.7	1228.6
4488.6	20°	4429.8	4079.1	2941.7	1721.2	1200.2	1169.8	1184.0	1200.2	1210.3	1200.2
4665.0	22.5°	4592.0	4121.7	2680.2	1382.7	1137.4	1145.5	1157.6	1175.9	1186.0	1171.8
4890.1	25°	4790.7	4188.6	2422.7	1202.2	1107.0	1117.1	1135.3	1155.6	1167.8	1153.6
5173.9	27.5°	5048.2	4296.0	2185.5	1161.7	1076.5	1082.6	1109.0	1139.4	1155.6	1137.4
5577.3	30°	5421.2	4472.4	1980.8	1179.9	1058.3	1044.1	1080.6	1123.2	1141.4	1125.2
6126.8	32.5°	5915.9	4721.8	1855.1	1208.3	1050.2	999.5	1034.0	1088.7	1119.1	1109.0
6844.4	35°	6564.7	5100.9	1806.4	1240.8	1044.1	952.9	977.2	1036.0	1088.7	1098.8
7748.7	37.5°	7351.3	5628.0	1820.6	1255.0	1025.9	914.4	926.5	977.2	1046.1	1078.6
8766.4	40°	8245.4	6242.3	1901.7	1240.8	1005.6	881.9	883.9	922.5	983.3	1031.9
9861.2	42.5°	9167.8	6960.0	2051.7	1188.0	987.3	853.5	847.4	873.8	914.4	948.8
10954.0	45°	10045.7	7698.0	2199.7	1115.1	965.0	825.1	811.0	821.1	829.2	843.4
12018.3	47.5°	10812.0	8217.0	2157.1	1048.2	934.6	792.7	768.4	764.3	740.0	738.0
12969.2	50°	11341.2	8330.5	1915.9	981.3	890.0	756.2	717.7	693.4	650.8	630.5
13680.8	52.5°	11509.5	7882.5	1565.1	914.4	817.0	707.6	652.8	614.3	561.6	543.3
14090.3	55°	11286.4	7004.6	1250.9	833.3	715.7	642.7	581.9	531.2	488.6	466.3
14134.9	57.5°	10741.1	5887.5	989.4	738.0	608.2	569.7	508.9	458.2	421.7	399.4
13640.2	60°	9836.9	4675.1	782.6	624.4	519.0	490.6	427.8	395.3	362.9	336.5
12363.0	62.5°	8464.3	3337.1	614.3	494.7	433.9	401.4	364.9	340.6	302.1	265.6
10066.0	65°	6605.2	2041.6	474.4	362.9	348.7	332.5	310.2	287.9	241.3	204.8
6566.7	67.5°	4166.3	967.1	338.6	273.7	275.7	267.6	257.5	239.2	204.8	172.3
2941.7	70°	1834.8	468.3	223.0	208.8	204.8	204.8	212.9	206.8	174.4	143.9
1021.8	72.5°	624.4	251.4	166.2	158.1	148.0	146.0	178.4	172.3	139.9	111.5
508.9	75°	326.4	168.3	121.6	113.5	89.2	107.5	141.9	133.8	99.3	73.0
336.5	77.5°	212.9	119.6	83.1	73.0	50.7	71.0	105.4	93.3	58.8	36.5
221.0	80°	133.8	79.1	48.7	34.5	24.3	38.5	56.8	40.5	22.3	8.1
129.8	82.5°	71.0	40.5	18.2	12.2	10.1	12.2	14.2	10.1	4.1	0.0
66.9	85°	28.4	14.2	6.1	4.1	2.0	0.0	4.1	2.0	0.0	0.0
12.2	87.5°	10.1	2.0	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°
4010.2
3746.6
3136.4
2337.6
1577.3
1277.3
1244.8
1226.6
1198.2
1169.8
1151.6
1137.4
1123.2
1109.0
1098.8
1086.7
1048.2
963.0
851.5
735.9
632.5
541.3
466.3
395.3
330.5
259.5
198.7
168.3
137.9
105.4
66.9
32.4
6.1
0.0
0.0
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0.0

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