

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: P853034

Luminaire Tested: **GLAN-SB8B-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853034
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-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 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: 26959 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

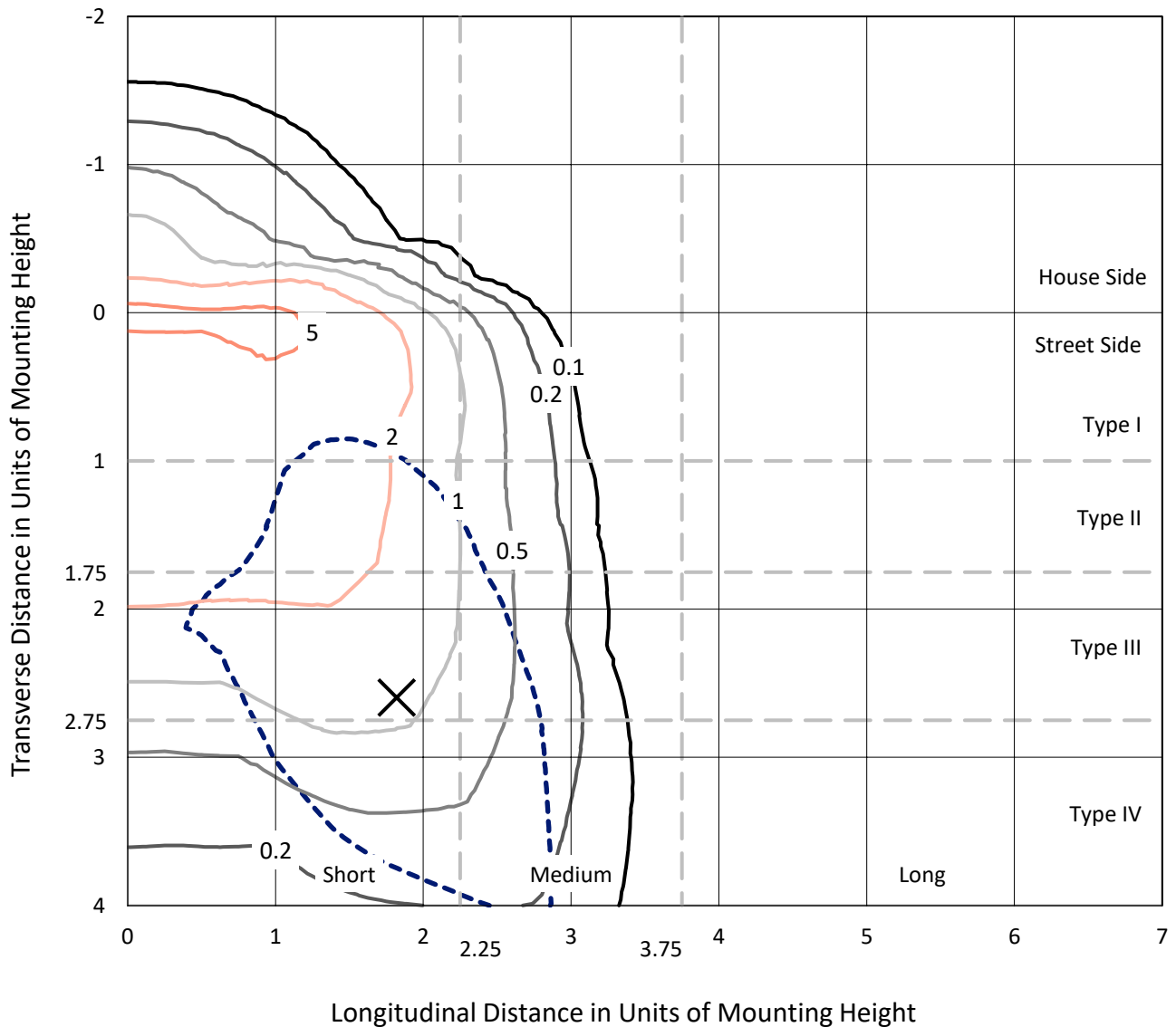
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

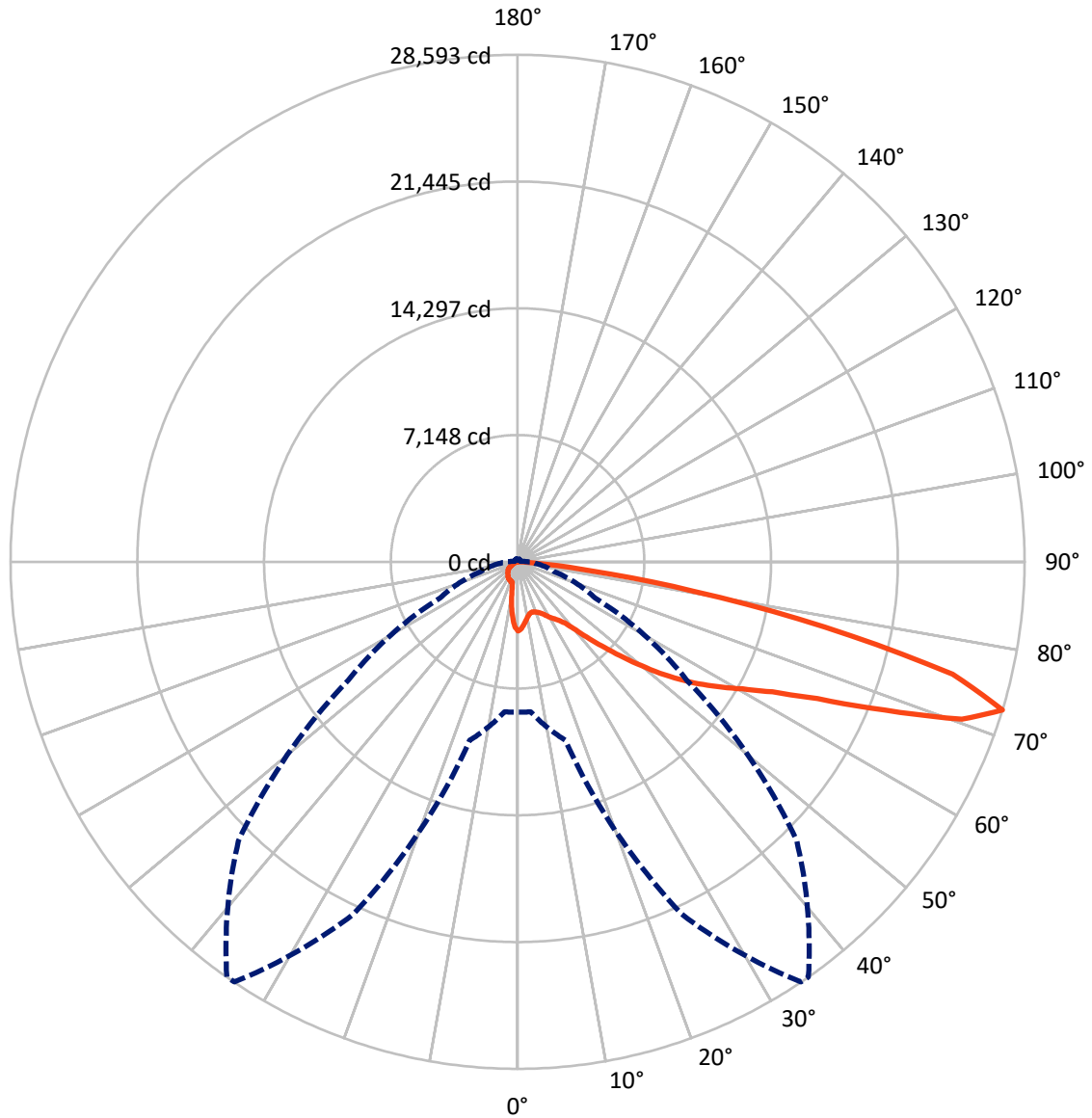
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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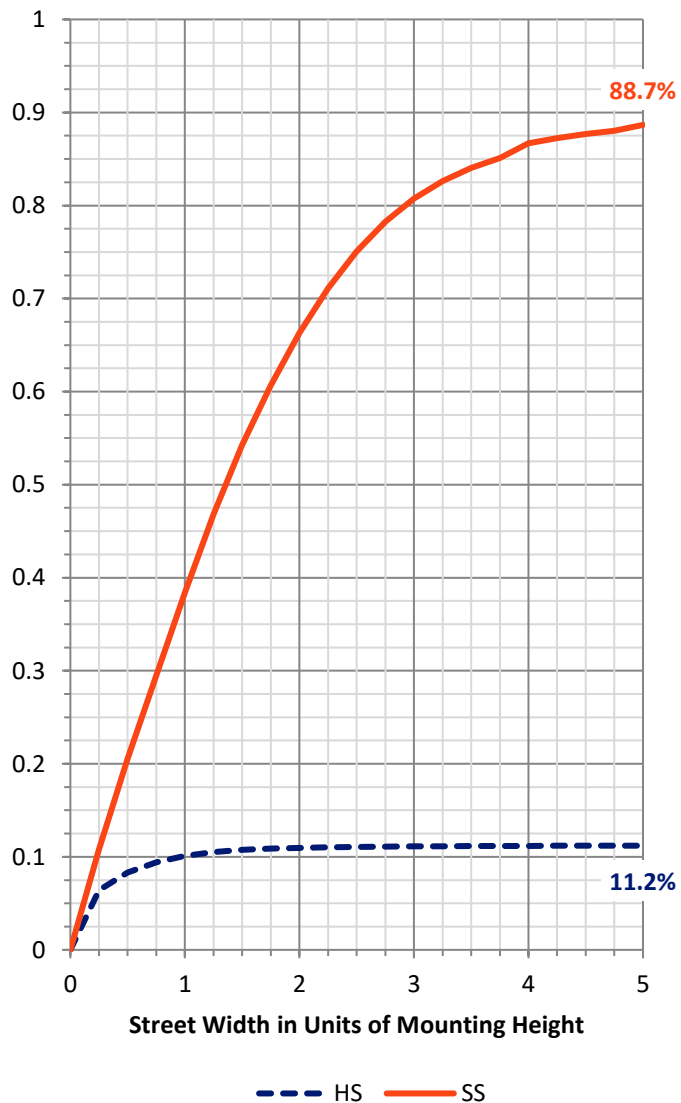
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3034.1	0.0	3034.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	23924.9	0.0	23924.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	26959.0	0.0	26959.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.1	1.2
10°-20°	751.1	2.8
20°-30°	1220.2	4.5
30°-40°	2035.8	7.6
40°-50°	3851.8	14.3
50°-60°	6120.5	22.7
60°-70°	7571.5	28.1
70°-80°	4706.5	17.5
80°-90°	380.4	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°	26959.0	100.0
0°-180°	26959.0	100.0

Coefficient of Utilization



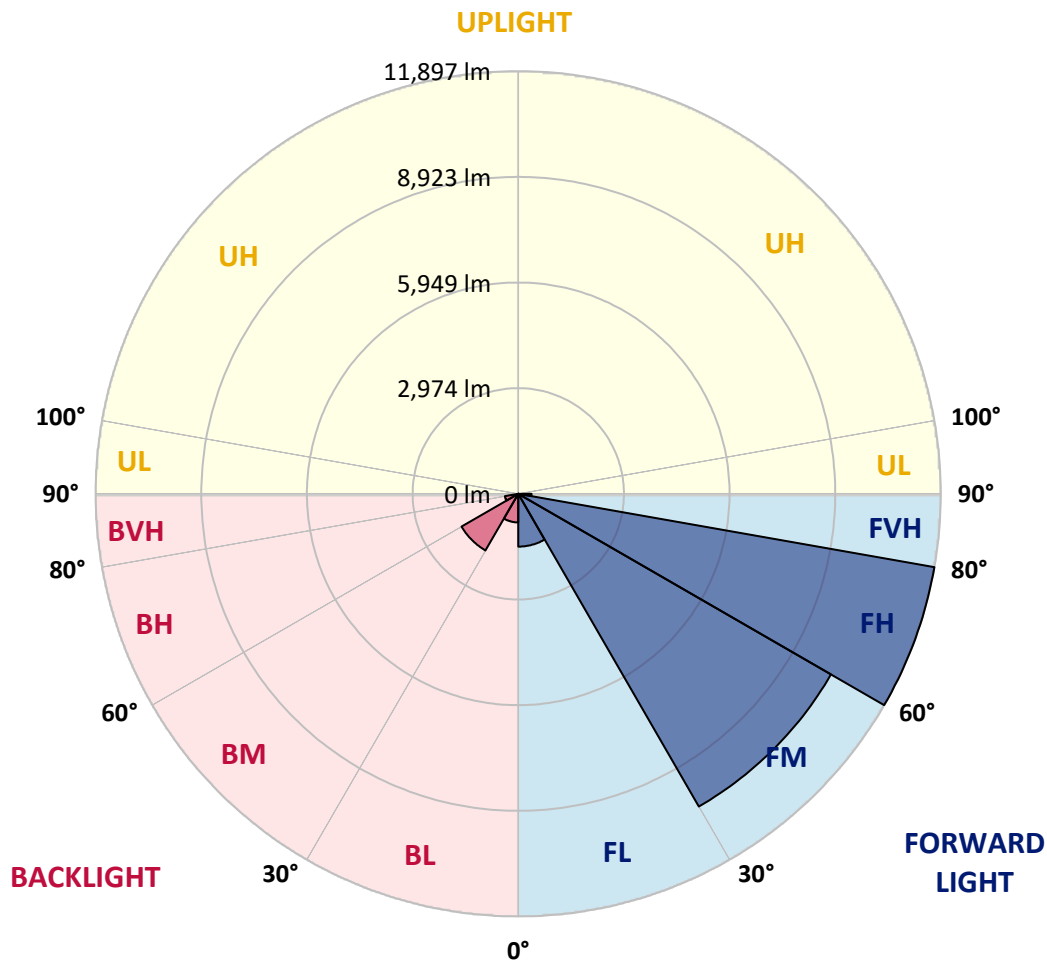
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1486.1	5.5			
FM	(30°-60°)	10166.2	37.7			
FH	(60°-80°)	11897.3	44.1			G4/12000
FVH	(80°-90°)	375.2	1.4			G3/500
BL	(0°-30°)	806.2	3.0	B2/1000		
BM	(30°-60°)	1842.0	6.8	B2/2500		
BH	(60°-80°)	380.7	1.4	B1/500		G1/500
BVH	(80°-90°)	5.2	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3907.3	3907.3	3907.3	3907.3	3907.3	3907.3	3907.3	3907.3	3907.3	3907.3
2.5°	3733.4	3765.0	3771.0	3780.8	3780.8	3792.7	3812.4	3840.1	3885.5	3909.2
5°	3441.1	3464.8	3494.4	3518.1	3563.6	3569.5	3646.5	3721.6	3826.3	3905.3
7.5°	3146.7	3174.4	3213.9	3271.2	3330.5	3348.2	3464.8	3591.2	3757.1	3905.3
10°	2939.3	2941.3	2976.9	3034.2	3129.0	3150.7	3292.9	3472.7	3680.1	3881.6
12.5°	2822.8	2836.6	2852.4	2895.9	2986.7	3000.6	3152.7	3364.0	3603.1	3867.8
15°	2822.8	2832.7	2842.5	2864.3	2937.4	2949.2	3083.5	3294.9	3563.6	3873.7
17.5°	2852.4	2868.2	2860.3	2886.0	2963.0	2970.9	3089.5	3275.1	3561.6	3911.2
20°	2923.5	2935.4	2919.6	2935.4	3012.4	3028.2	3150.7	3312.7	3595.2	3976.4
22.5°	3036.1	3042.1	3004.5	3016.4	3095.4	3115.1	3257.4	3419.3	3676.1	4081.1
25°	3178.4	3190.2	3132.9	3146.7	3221.8	3245.5	3409.5	3579.4	3804.5	4225.3
27.5°	3342.3	3348.2	3298.9	3296.9	3393.7	3427.3	3593.2	3776.9	3976.4	4407.0
30°	3530.0	3547.7	3500.3	3492.4	3614.9	3642.6	3806.5	4019.9	4229.2	4679.6
32.5°	3678.1	3691.9	3664.3	3684.0	3808.5	3830.2	4065.3	4363.6	4626.3	5066.8
35°	3891.5	3899.4	3836.2	3871.7	4013.9	4069.2	4418.9	4845.6	5126.1	5552.7
37.5°	4663.8	4663.8	4395.2	4219.4	4355.7	4405.1	4902.8	5452.0	5742.4	6204.6
40°	5732.5	5714.7	5321.6	4962.1	4944.3	5041.1	5592.2	6216.5	6538.4	6986.8
42.5°	6872.3	6844.6	6309.3	5953.7	5894.5	5928.1	6388.3	7158.7	7486.6	7940.9
45°	7883.7	7875.8	7385.9	6907.8	6801.2	6907.8	7381.9	8261.0	8496.0	8974.1
47.5°	8731.1	8731.1	8373.6	8061.4	8006.1	8069.3	8727.1	9483.7	9462.0	10074.3
50°	9706.9	9699.0	9359.3	9224.9	9282.2	9371.1	10275.8	10771.6	10461.5	11154.9
52.5°	10390.4	10437.8	10321.3	10299.5	10591.9	10746.0	11848.2	12031.9	11356.3	12180.1
55°	10931.6	10987.0	11121.3	11273.4	11836.4	12037.8	13371.2	13227.0	12105.0	13069.0
57.5°	11698.1	11619.1	11826.5	12126.7	13037.4	13280.3	14846.8	14354.9	12707.5	13790.0
60°	12628.5	12640.3	12675.9	13055.2	14236.4	14548.5	16300.7	15421.6	13094.7	14232.5
62.5°	13746.5	13764.3	13837.4	14420.1	15846.3	16140.7	17849.4	16294.7	13272.4	14108.0
65°	13669.5	13744.6	14560.4	16553.5	18293.8	18584.2	19656.8	16907.1	13003.8	12970.2
67.5°	12452.7	12575.1	13940.1	19101.7	21983.8	22307.7	21841.6	17027.6	11844.3	10086.2
70°	10856.6	10900.0	12541.6	21393.2	26256.5	26584.4	23797.2	15702.1	8987.9	5625.8
72.5°	8478.2	8488.1	10414.1	21924.5	28575.6	28593.3	22262.3	11656.6	4833.7	2161.0
75°	6056.5	5997.2	6975.0	17780.2	25140.4	25341.9	16689.8	5467.8	1847.0	1021.3
77.5°	3247.5	3312.7	3946.8	10544.5	17367.4	17711.1	9106.4	1576.3	940.3	695.3
80°	1003.5	1058.8	1617.8	4827.8	9837.3	10044.7	3375.9	701.3	655.8	495.8
82.5°	316.1	327.9	754.6	2028.7	4083.1	4177.9	977.8	397.0	448.4	327.9
85°	90.9	92.8	335.8	756.6	1009.4	1029.2	274.6	154.1	256.8	203.5
87.5°	9.9	31.6	126.4	126.4	88.9	86.9	29.6	33.6	73.1	25.7
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°
3907.3	0°	3907.3	3907.3	3907.3	3907.3	3907.3	3907.3	3907.3	3907.3	3907.3	3907.3
3925.0	2.5°	3915.2	3917.1	3891.5	3848.0	3800.6	3761.1	3711.7	3672.2	3644.5	3636.6
3960.6	5°	3942.8	3929.0	3855.9	3723.6	3565.5	3429.2	3277.1	3156.6	3077.6	3044.0
3998.1	7.5°	3984.3	3944.8	3784.8	3524.0	3221.8	2953.2	2680.6	2469.2	2334.9	2267.7
4033.7	10°	4019.9	3940.8	3666.3	3235.6	2773.4	2366.5	1999.1	1744.2	1602.0	1534.9
4075.2	12.5°	4053.4	3938.9	3512.2	2893.9	2267.7	1769.9	1428.2	1301.8	1262.3	1248.4
4142.3	15°	4116.7	3944.8	3318.6	2502.8	1764.0	1337.3	1212.9	1210.9	1218.8	1214.8
4245.0	17.5°	4203.6	3950.7	3099.3	2088.0	1361.0	1179.3	1173.4	1191.1	1203.0	1197.1
4373.4	20°	4316.2	3974.4	2866.2	1677.1	1169.4	1139.8	1153.6	1169.4	1179.3	1169.4
4545.3	22.5°	4474.2	4015.9	2611.4	1347.2	1108.2	1116.1	1127.9	1145.7	1155.6	1141.8
4764.6	25°	4667.8	4081.1	2360.6	1171.4	1078.5	1088.4	1106.2	1126.0	1137.8	1124.0
5041.1	27.5°	4918.6	4185.8	2129.4	1131.9	1048.9	1054.8	1080.5	1110.2	1126.0	1108.2
5434.2	30°	5282.1	4357.6	1929.9	1149.7	1031.1	1017.3	1052.9	1094.3	1112.1	1096.3
5969.5	32.5°	5764.1	4600.6	1807.5	1177.3	1023.2	973.9	1007.4	1060.8	1090.4	1080.5
6668.8	35°	6396.2	4970.0	1760.0	1208.9	1017.3	928.4	952.1	1009.4	1060.8	1070.6
7549.8	37.5°	7162.7	5483.6	1773.9	1222.7	999.5	890.9	902.7	952.1	1019.3	1050.9
8541.5	40°	8033.8	6082.1	1852.9	1208.9	979.8	859.3	861.3	898.8	958.0	1005.5
9608.2	42.5°	8932.6	6781.4	1999.1	1157.6	962.0	831.6	825.7	851.4	890.9	924.5
10672.9	45°	9787.9	7500.4	2143.3	1086.4	940.3	804.0	790.1	800.0	807.9	821.7
11709.9	47.5°	10534.6	8006.1	2101.8	1021.3	910.6	772.4	748.7	744.7	721.0	719.0
12636.4	50°	11050.2	8116.8	1866.7	956.1	867.2	736.8	699.3	675.6	634.1	614.3
13329.7	52.5°	11214.1	7680.2	1525.0	890.9	796.1	689.4	636.1	598.5	547.2	529.4
13728.8	55°	10996.8	6824.9	1218.8	811.9	697.3	626.2	566.9	517.5	476.1	454.3
13772.2	57.5°	10465.5	5736.4	964.0	719.0	592.6	555.1	495.8	446.4	410.9	389.1
13290.2	60°	9584.4	4555.2	762.5	608.4	505.7	478.0	416.8	385.2	353.6	327.9
12045.7	62.5°	8247.1	3251.4	598.5	482.0	422.7	391.1	355.6	331.9	294.3	258.8
9807.7	65°	6435.7	1989.2	462.2	353.6	339.8	324.0	302.2	280.5	235.1	199.5
6398.2	67.5°	4059.4	942.2	329.9	266.7	268.6	260.7	250.9	233.1	199.5	167.9
2866.2	70°	1787.7	456.3	217.3	203.5	199.5	199.5	207.4	201.5	169.9	140.3
995.6	72.5°	608.4	244.9	162.0	154.1	144.2	142.2	173.8	167.9	136.3	108.6
495.8	75°	318.0	164.0	118.5	110.6	86.9	104.7	138.3	130.4	96.8	71.1
327.9	77.5°	207.4	116.5	81.0	71.1	49.4	69.1	102.7	90.9	57.3	35.6
215.3	80°	130.4	77.0	47.4	33.6	23.7	37.5	55.3	39.5	21.7	7.9
126.4	82.5°	69.1	39.5	17.8	11.9	9.9	11.9	13.8	9.9	4.0	0.0
65.2	85°	27.7	13.8	5.9	4.0	2.0	0.0	4.0	2.0	0.0	0.0
11.9	87.5°	9.9	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°
3907.3
3650.5
3055.9
2277.6
1536.8
1244.5
1212.9
1195.1
1167.4
1139.8
1122.0
1108.2
1094.3
1080.5
1070.6
1058.8
1021.3
938.3
829.7
717.1
616.3
527.4
454.3
385.2
322.0
252.8
193.6
164.0
134.3
102.7
65.2
31.6
5.9
0.0
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0.0

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