

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: P954125

Luminaire Tested: **GLAN-SB7C-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37252 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 350.5
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

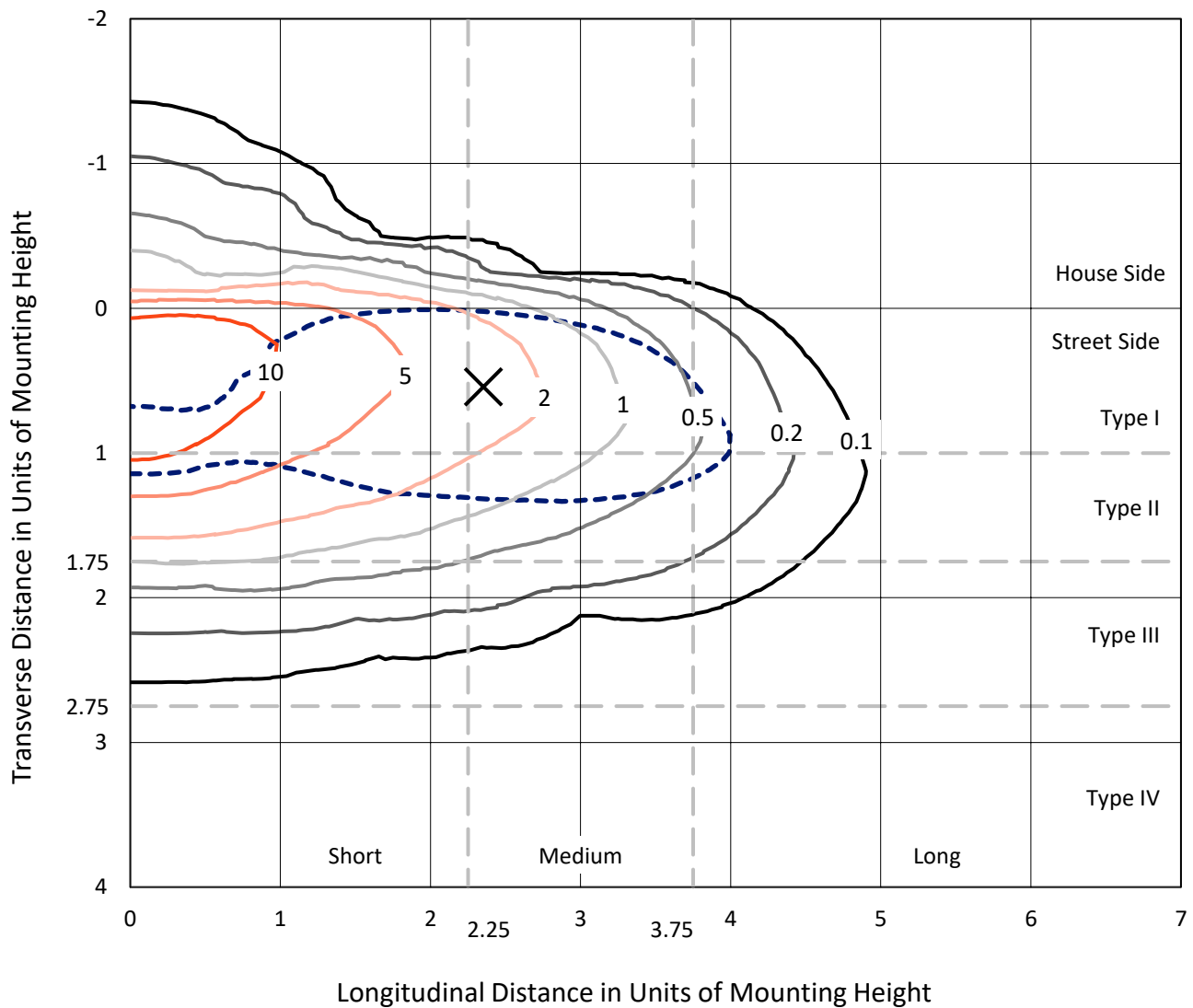


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Iso-Footcandle Lines of Horizontal Illumination

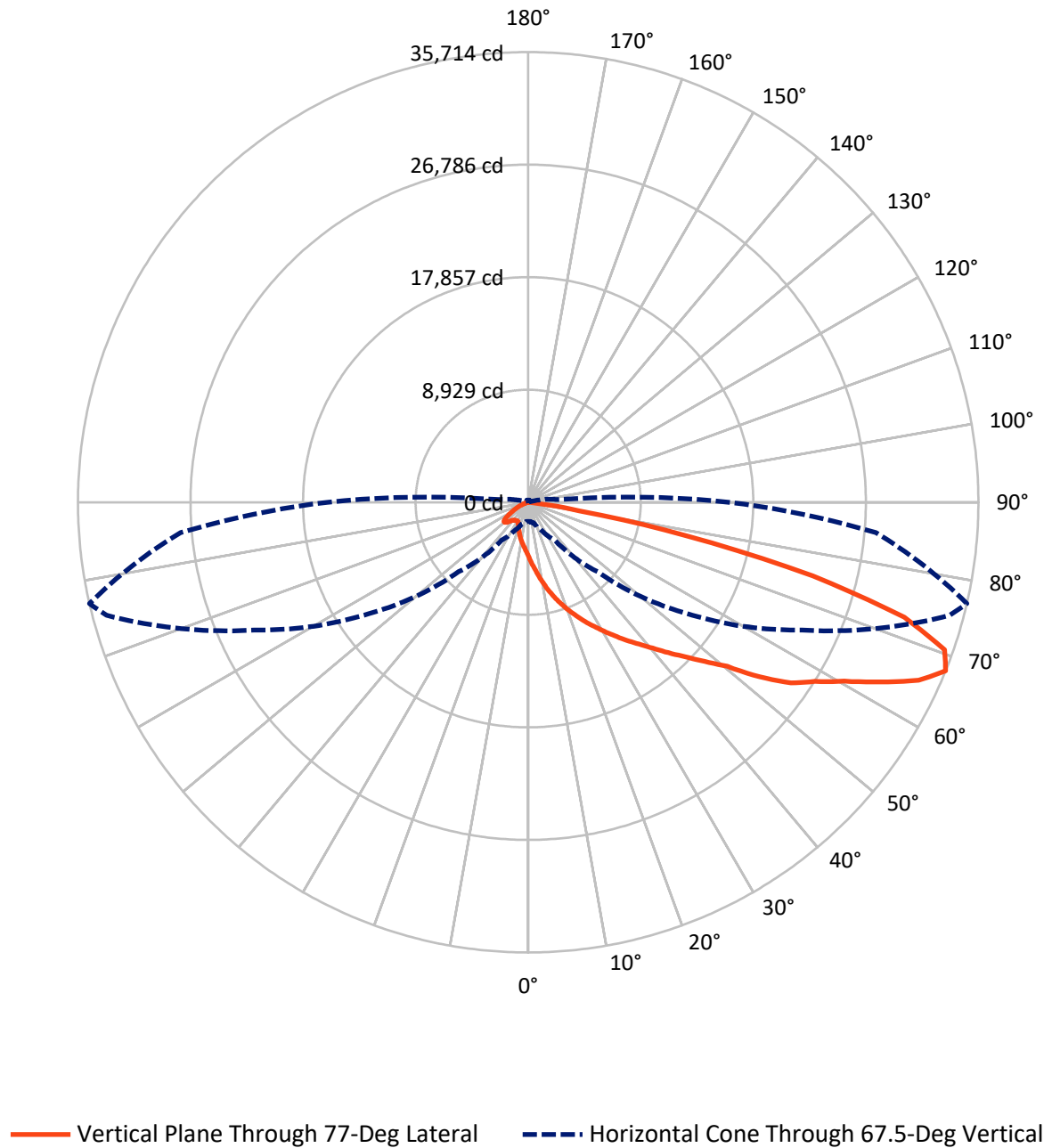
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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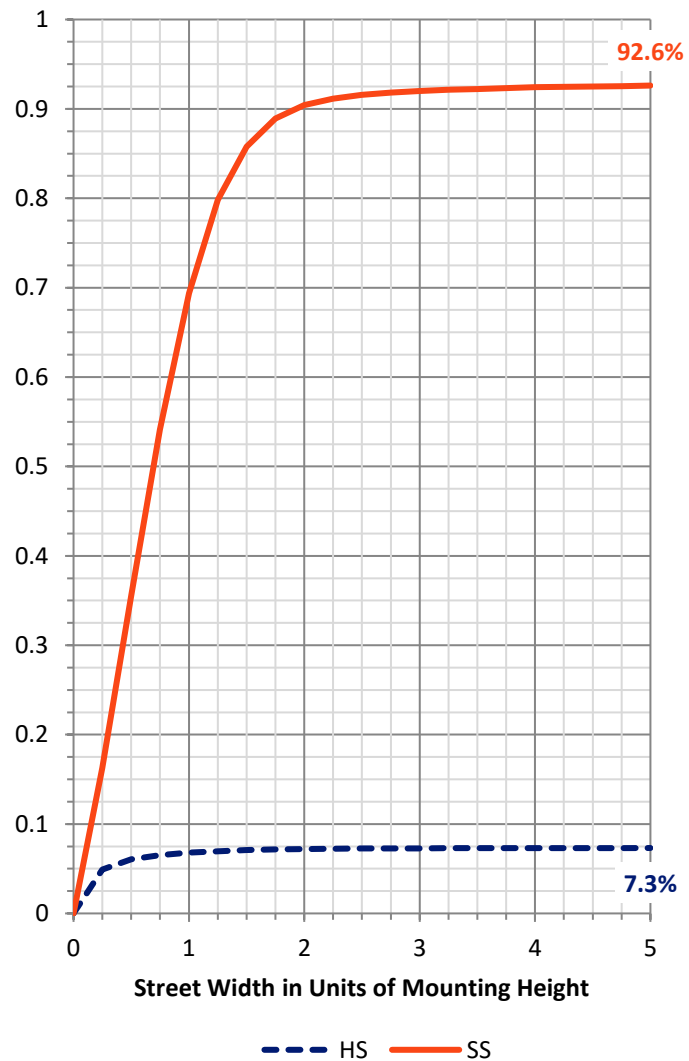
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2740.7	0.0	2740.7
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	34511.4	0.0	34511.4
	% Fixture	92.6	0.0	92.6
Total	Lumens	37252.0	0.0	37252.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.4	1.2
10°-20°	1535.4	4.1
20°-30°	2962.9	8.0
30°-40°	5143.7	13.8
40°-50°	7468.4	20.0
50°-60°	8576.5	23.0
60°-70°	7446.0	20.0
70°-80°	3507.2	9.4
80°-90°	173.4	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°	37252.0	100.0
0°-180°	37252.0	100.0

Coefficient of Utilization



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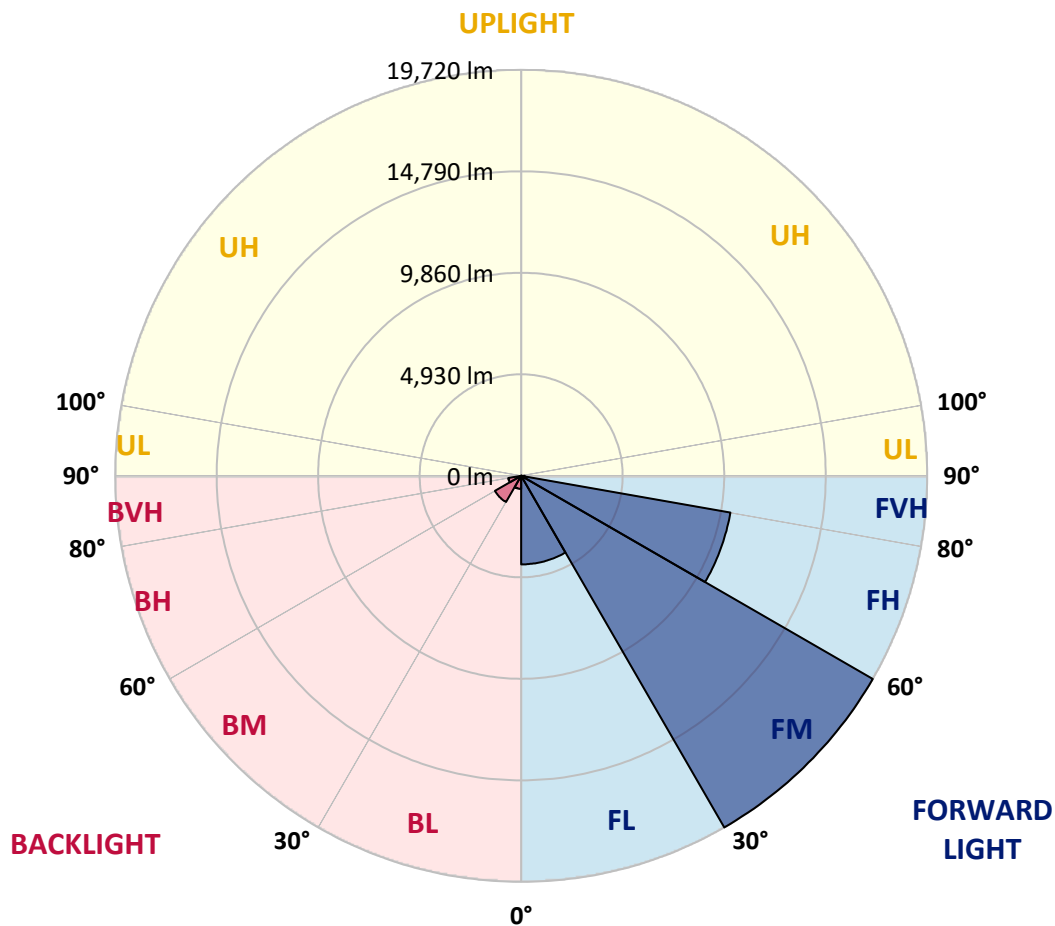
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4302.2	11.5			
FM	(30°-60°)	19720.2	52.9			
FH	(60°-80°)	10318.7	27.7			G4/12000
FVH	(80°-90°)	170.3	0.5			G2/225
BL	(0°-30°)	634.5	1.7	B2/1000		
BM	(30°-60°)	1468.5	3.9	B2/2500		
BH	(60°-80°)	634.5	1.7	B2/1000		G2/1000
BVH	(80°-90°)	3.2	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4295.7	4295.7	4295.7	4295.7	4295.7	4295.7	4295.7	4295.7	4295.7	4295.7
2.5°	5947.4	5984.4	5931.2	5829.4	5676.7	5577.2	5334.4	5105.3	4850.9	4769.9
5°	7249.7	7282.1	7222.0	7110.9	6907.4	6713.0	6393.8	5915.0	5417.6	5258.0
7.5°	8214.3	8232.9	8209.7	8107.9	7913.6	7693.9	7337.6	6770.9	6033.0	5857.1
10°	8908.3	8968.5	8961.5	8922.2	8792.7	8614.5	8235.2	7589.8	6722.3	6495.6
12.5°	9368.7	9435.7	9475.1	9563.0	9556.0	9442.7	9109.6	8427.2	7409.3	7143.3
15°	9502.8	9574.5	9724.9	9928.5	10108.9	10166.7	9933.1	9248.4	8165.8	7825.7
17.5°	9426.5	9537.5	9718.0	10039.5	10435.1	10696.5	10671.0	10041.8	8852.8	8464.2
20°	9595.4	9701.8	9842.9	10113.5	10573.9	11048.1	11237.8	10800.6	9535.2	9128.1
22.5°	10529.9	10511.4	10525.3	10569.2	10844.5	11314.1	11705.0	11489.9	10210.7	9794.3
25°	12010.4	11927.1	11786.0	11547.7	11478.3	11705.0	12112.2	12100.6	10923.2	10476.7
27.5°	13708.3	13694.4	13363.6	12790.0	12466.1	12378.2	12572.5	12695.1	11628.7	11152.2
30°	15334.5	15371.5	14925.1	14286.6	13692.1	13347.4	13171.6	13259.5	12345.8	11880.8
32.5°	16750.2	16789.6	16303.8	15556.6	14821.0	14404.6	14034.5	13817.0	13127.7	12621.1
35°	17946.2	17985.5	17428.0	16602.2	15818.0	15440.9	15022.2	14427.7	13914.2	13442.3
37.5°	19014.9	19003.3	18256.2	17423.4	16653.1	16354.7	16134.9	15179.5	14723.8	14268.1
40°	19646.4	19695.0	19056.5	18138.2	17391.0	17173.6	17159.7	16111.8	15658.4	15216.6
42.5°	19831.5	19917.1	19454.4	18700.3	18022.5	17786.6	18149.8	17120.4	16745.6	16315.3
45°	19498.4	19581.7	19371.1	18848.4	18452.8	18300.1	19001.0	18165.9	17906.9	17481.2
47.5°	18526.8	18630.9	18681.8	18570.8	18566.1	18721.1	19764.4	19267.0	19285.6	18850.7
50°	16646.1	16821.9	17289.2	17682.5	18290.9	19054.2	20507.0	20460.7	20840.1	20465.3
52.5°	13227.2	13477.0	15087.0	16162.7	17529.8	18991.8	21323.5	22376.1	23567.4	23019.1
55°	10629.4	10629.4	11938.7	13951.2	16044.7	18580.0	21679.8	23620.6	25424.9	25295.4
57.5°	8665.4	8769.5	9604.6	11383.5	13895.7	17599.2	21899.5	24402.5	26921.6	26826.7
60°	5348.2	5572.6	7150.3	8906.0	11450.6	15852.7	21760.7	25193.6	28737.5	28813.8
62.5°	3011.9	3095.1	3798.4	6407.7	8903.7	13504.7	20699.0	25635.4	31060.0	31383.8
65°	2079.6	2121.2	2391.9	3988.0	6171.7	10752.0	18624.0	25360.1	33387.1	34041.8
67.5°	1510.6	1531.4	1700.2	2435.9	3661.9	7795.6	15371.5	23972.2	34620.1	35714.2
70°	1161.3	1175.1	1297.7	1600.8	2162.9	4811.6	11163.7	21212.5	33727.2	35034.2
72.5°	943.8	957.7	1052.5	1184.4	1434.2	2845.3	6766.3	17226.8	29785.4	31196.5
75°	795.8	814.3	899.9	985.4	1124.2	1827.5	3173.8	11996.5	22399.2	23324.5
77.5°	441.8	407.1	731.0	816.6	948.4	1156.6	1485.1	7060.0	12544.7	12801.5
80°	275.3	284.5	580.6	657.0	728.7	582.9	680.1	2718.1	4348.9	4131.5
82.5°	16.2	37.0	446.5	474.2	499.7	249.8	256.8	923.0	1047.9	962.3
85°	0.0	0.0	203.6	164.2	173.5	71.7	74.0	215.1	141.1	152.7
87.5°	0.0	0.0	0.0	4.6	0.0	6.9	13.9	18.5	6.9	9.3
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°
4295.7	0°	4295.7	4295.7	4295.7	4295.7	4295.7	4295.7	4295.7	4295.7	4295.7	4295.7
4515.5	2.5°	4353.5	4191.6	3863.1	3541.6	3280.2	3037.3	2863.8	2699.6	2616.3	2611.7
4806.9	5°	4485.4	4145.3	3488.4	2907.8	2440.5	2065.7	1822.8	1649.3	1561.4	1531.4
5165.5	7.5°	4670.4	4159.2	3159.9	2352.6	1802.0	1480.5	1341.7	1286.2	1267.7	1246.8
5570.3	10°	4904.1	4191.6	2866.1	1894.6	1420.3	1258.4	1202.9	1179.8	1165.9	1152.0
6026.0	12.5°	5165.5	4221.7	2574.6	1573.0	1249.2	1165.9	1126.6	1098.8	1080.3	1064.1
6493.3	15°	5419.9	4240.2	2271.6	1348.6	1161.3	1094.2	1052.5	1022.5	997.0	978.5
6951.3	17.5°	5672.1	4265.6	1987.1	1214.5	1089.5	1022.5	980.8	943.8	923.0	902.2
7432.5	20°	5952.0	4261.0	1718.7	1119.6	1017.8	950.7	906.8	872.1	851.3	828.1
7941.4	22.5°	6211.1	4237.9	1482.8	1038.6	943.8	879.0	830.5	795.8	774.9	756.4
8461.9	25°	6509.5	4219.4	1286.2	964.6	874.4	809.6	756.4	724.0	700.9	684.7
8984.7	27.5°	6796.3	4191.6	1142.7	897.5	807.3	744.9	694.0	657.0	636.1	624.6
9523.6	30°	7078.5	4184.7	1089.5	832.8	747.2	684.7	633.8	599.1	582.9	578.3
10115.8	32.5°	7418.6	4203.2	1112.7	809.6	691.7	629.2	580.6	555.2	539.0	539.0
10775.1	35°	7781.8	4198.5	1147.4	830.5	654.6	573.7	536.7	520.5	504.3	504.3
11506.1	37.5°	8237.5	4205.5	1175.1	865.2	640.8	527.4	506.6	485.8	476.5	476.5
12306.5	40°	8917.6	4434.5	1161.3	895.2	636.1	495.0	453.4	446.5	439.5	439.5
13211.0	42.5°	9750.3	4931.8	1179.8	897.5	633.8	471.9	416.4	430.3	414.1	411.8
14231.1	45°	10661.8	5475.5	1297.7	849.0	631.5	460.3	397.9	414.1	388.6	388.6
15413.2	47.5°	11566.2	6014.4	1418.0	779.6	624.6	458.0	381.7	372.4	365.5	367.8
16953.8	50°	12813.1	6454.0	1464.3	684.7	608.4	453.4	351.6	353.9	349.3	353.9
19125.9	52.5°	14171.0	6546.5	1408.8	578.3	562.1	439.5	330.8	340.0	337.7	342.4
20655.0	55°	15017.6	6447.0	1163.6	481.2	490.4	384.0	310.0	328.5	328.5	328.5
22149.4	57.5°	15892.0	6023.7	825.8	390.9	407.1	314.6	291.5	316.9	314.6	312.3
23949.1	60°	16521.2	5339.0	543.6	321.5	323.9	259.1	270.7	298.4	296.1	284.5
25804.3	62.5°	16990.8	4582.5	349.3	273.0	247.5	233.6	247.5	270.7	261.4	236.0
27377.3	65°	16937.6	3534.6	268.3	233.6	203.6	203.6	215.1	236.0	208.2	166.6
27678.0	67.5°	15949.9	2391.9	222.1	196.6	171.2	168.9	178.1	196.6	178.1	141.1
26137.4	70°	14184.8	1563.8	178.1	152.7	136.5	124.9	143.4	168.9	150.4	113.3
22251.1	72.5°	11513.0	953.1	134.2	111.0	99.5	81.0	113.3	138.8	120.3	83.3
15473.3	75°	7448.7	485.8	92.5	71.7	53.2	48.6	83.3	104.1	83.3	50.9
6865.7	77.5°	2849.9	203.6	50.9	32.4	27.8	23.1	46.3	62.5	34.7	11.6
1330.1	80°	548.2	85.6	25.4	16.2	13.9	9.3	6.9	4.6	0.0	0.0
236.0	82.5°	94.8	27.8	9.3	4.6	0.0	0.0	0.0	0.0	0.0	0.0
46.3	85°	32.4	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.2	87.5°	11.6	0.0	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°
4295.7
2607.0
1526.7
1242.2
1147.4
1059.5
976.2
899.9
825.8
754.1
682.4
624.6
576.0
539.0
504.3
476.5
439.5
409.4
388.6
367.8
353.9
342.4
328.5
312.3
284.5
231.3
161.9
136.5
108.7
78.7
44.0
9.3
0.0
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