

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: P849945

Luminaire Tested: **GLAN-SB7B-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22867 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

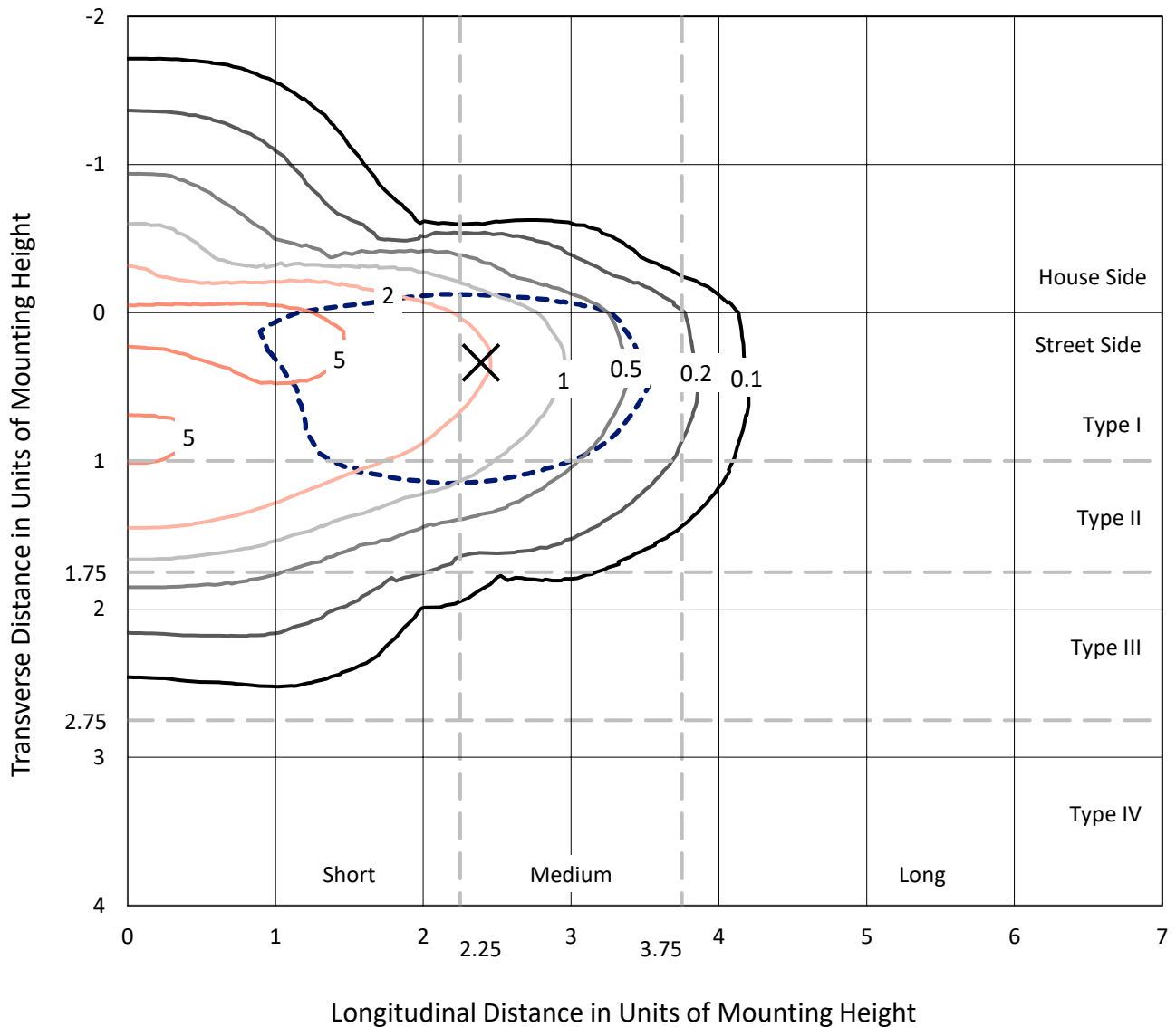
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

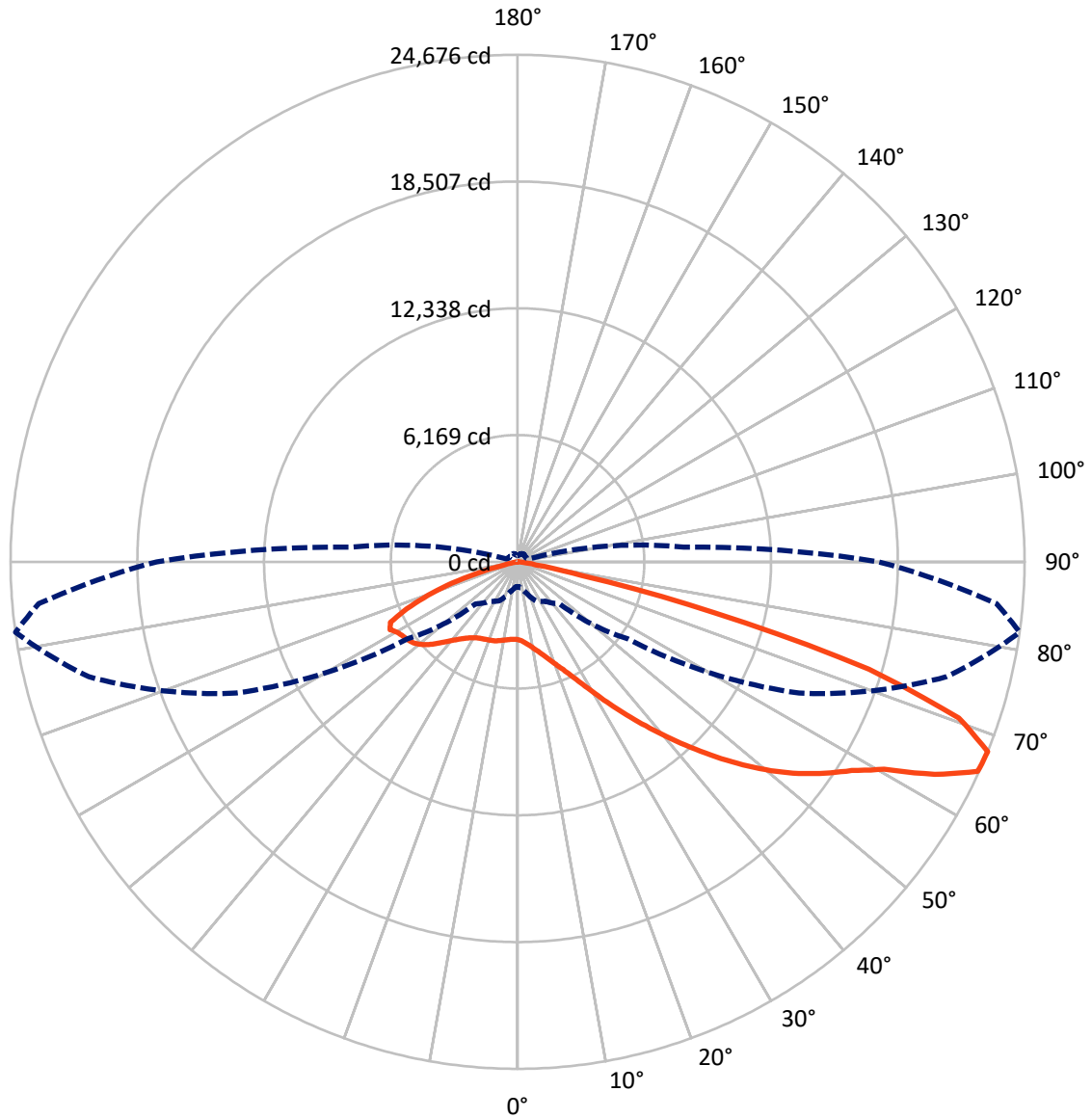
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4142.2	0.0	4142.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	18724.8	0.0	18724.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	22867.0	0.0	22867.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.5	1.5
10°-20°	877.0	3.8
20°-30°	1404.8	6.1
30°-40°	2484.0	10.9
40°-50°	4352.3	19.0
50°-60°	5804.7	25.4
60°-70°	5403.9	23.6
70°-80°	2074.0	9.1
80°-90°	128.8	0.6
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°	22867.0	100.0
0°-180°	22867.0	100.0

Coefficient of Utilization

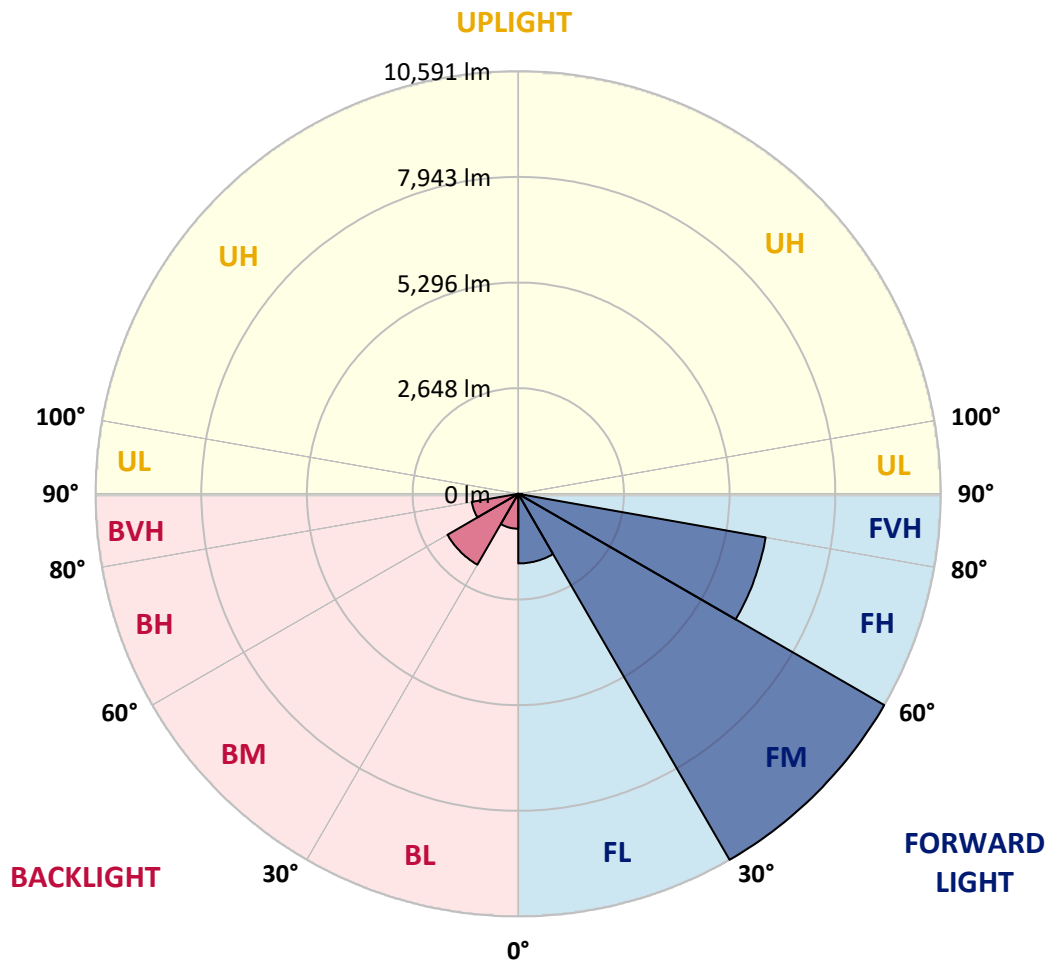


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1744.5	7.6			
FM (30°-60°)	10591.1	46.3			
FH (60°-80°)	6295.6	27.5			G3/7500
FVH (80°-90°)	93.7	0.4			G1/100
BL (0°-30°)	874.8	3.8	B2/1000		
BM (30°-60°)	2049.9	9.0	B2/2500		
BH (60°-80°)	1182.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	35.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3788.3	3788.3	3788.3	3788.3	3788.3	3788.3	3788.3	3788.3	3788.3	3788.3
2.5°	4004.0	4027.0	4013.8	4007.3	3995.7	3979.3	3966.1	3924.9	3882.1	3854.1
5°	4084.6	4107.7	4106.0	4112.6	4120.9	4125.8	4122.5	4076.4	4015.5	3967.7
7.5°	4015.5	4041.8	4063.2	4096.2	4153.8	4214.7	4244.3	4234.5	4171.9	4106.0
10°	3819.6	3847.6	3898.6	3976.0	4097.8	4229.5	4339.8	4390.9	4351.3	4278.9
12.5°	3460.7	3488.6	3589.1	3757.0	3961.2	4190.0	4400.7	4537.4	4547.3	4474.8
15°	3057.3	3085.3	3192.3	3403.0	3714.2	4081.3	4433.7	4692.1	4779.4	4716.8
17.5°	2807.1	2831.7	2912.4	3082.0	3406.3	3864.0	4422.1	4856.8	5056.0	5006.6
20°	2731.3	2752.7	2790.6	2909.1	3179.1	3638.5	4346.4	5011.5	5354.0	5326.0
22.5°	2812.0	2831.7	2843.3	2896.0	3065.5	3490.3	4250.9	5169.6	5699.7	5703.0
25°	2998.0	3017.8	3004.6	3037.5	3111.6	3444.2	4214.7	5355.6	6134.4	6170.6
27.5°	3304.3	3305.9	3274.6	3273.0	3284.5	3513.3	4252.6	5554.8	6682.6	6750.1
30°	3918.4	3893.7	3773.5	3643.4	3584.1	3720.8	4357.9	5790.3	7329.6	7449.8
32.5°	4865.0	4828.8	4608.2	4297.0	3984.2	4055.0	4547.3	6058.6	8034.3	8251.6
35°	5892.3	5882.5	5652.0	5189.3	4642.8	4530.8	4855.1	6410.9	8803.1	9148.9
37.5°	6847.2	6842.3	6710.6	6165.6	5500.5	5194.3	5349.0	6871.9	9626.3	10126.8
40°	7719.8	7734.6	7602.9	7115.6	6445.5	6045.5	6020.8	7441.6	10541.7	11192.0
42.5°	8473.8	8490.3	8357.0	7996.4	7379.0	6987.2	6845.6	8139.6	11435.7	12336.2
45°	8985.9	9087.9	9068.2	8780.1	8337.2	7930.5	7836.7	9015.5	12454.8	13549.6
47.5°	9130.7	9224.6	9372.8	9412.3	9142.3	8742.2	8854.2	10070.8	13485.4	14764.6
50°	8773.5	8860.7	9168.6	9578.6	9766.2	9642.8	9843.6	11201.9	14540.7	15976.3
52.5°	8068.8	8157.7	8546.3	9195.0	9960.5	10349.1	10836.4	12316.5	15563.1	17123.9
55°	7049.7	7143.6	7642.4	8376.7	9590.1	10640.5	11664.5	13429.4	16499.9	18156.1
57.5°	5663.5	5732.6	6251.3	7278.6	8658.2	10350.7	12275.3	14644.4	17382.3	19170.3
60°	3691.2	3752.1	4354.6	5500.5	7113.9	9382.6	12397.1	15999.4	18554.5	20489.0
62.5°	2454.7	2495.9	2853.2	3694.4	5009.9	7523.9	11684.3	17081.0	20273.4	22784.1
65°	1684.2	1725.4	2082.7	2668.8	3236.8	4977.0	9634.5	16937.8	21830.8	24606.6
67.5°	1201.8	1236.4	1539.4	2092.5	2342.8	2891.0	6531.1	15107.1	21606.9	24675.7
70°	861.0	880.8	1131.1	1629.9	1862.0	1736.9	3631.9	11554.2	18918.4	22785.7
72.5°	602.6	609.2	785.3	1241.4	1499.8	1267.7	1728.7	7703.3	14308.6	17884.5
75°	408.3	416.5	528.5	910.4	1203.5	968.1	915.4	4130.7	8399.8	9899.6
77.5°	250.2	253.5	340.8	622.3	900.6	737.6	589.4	1750.1	3249.9	3190.7
80°	141.6	141.6	217.3	386.9	614.1	475.8	413.2	744.2	1029.0	903.9
82.5°	79.0	80.7	158.1	240.4	406.7	281.5	227.2	344.1	444.5	393.5
85°	32.9	36.2	97.1	113.6	194.3	139.9	92.2	144.9	164.6	146.5
87.5°	3.3	4.9	29.6	21.4	23.0	28.0	13.2	28.0	23.0	23.0
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°
3788.3	0°	3788.3	3788.3	3788.3	3788.3	3788.3	3788.3	3788.3	3788.3	3788.3	3788.3
3844.3	2.5°	3813.0	3788.3	3725.7	3653.3	3557.8	3511.7	3449.1	3406.3	3370.1	3373.4
3939.8	5°	3887.1	3824.5	3684.6	3510.1	3292.7	3138.0	2973.3	2859.7	2767.5	2747.8
4071.5	7.5°	3989.1	3890.4	3645.1	3330.6	2963.5	2685.2	2436.6	2276.9	2163.3	2127.1
4231.2	10°	4120.9	3977.6	3594.0	3105.0	2576.6	2222.6	1955.9	1830.8	1753.4	1727.0
4418.8	12.5°	4274.0	4078.0	3526.5	2830.1	2178.1	1837.3	1667.8	1605.2	1580.5	1572.3
4649.3	15°	4466.6	4203.2	3424.4	2504.1	1840.6	1601.9	1529.5	1521.2	1524.5	1521.2
4925.9	17.5°	4695.4	4339.8	3258.2	2168.3	1613.4	1481.7	1455.4	1462.0	1470.2	1468.6
5235.4	20°	4945.7	4474.8	3045.8	1870.3	1458.7	1396.1	1381.3	1387.9	1394.5	1391.2
5592.7	22.5°	5230.5	4619.7	2810.3	1638.1	1355.0	1317.1	1300.6	1302.3	1302.3	1295.7
6045.5	25°	5571.3	4779.4	2563.4	1473.5	1275.9	1246.3	1226.5	1220.0	1210.1	1190.3
6595.3	27.5°	5978.0	4949.0	2326.3	1358.3	1213.4	1185.4	1162.3	1145.9	1121.2	1088.2
7255.5	30°	6435.6	5154.8	2125.5	1285.8	1164.0	1136.0	1109.7	1085.0	1048.7	1007.6
8014.5	32.5°	6974.0	5375.4	1978.9	1238.1	1119.5	1089.9	1058.6	1029.0	989.5	948.3
8867.3	35°	7616.1	5642.1	1893.3	1205.1	1085.0	1045.4	1010.9	977.9	948.3	912.1
9794.2	37.5°	8312.5	5925.3	1867.0	1188.7	1061.9	1001.0	961.5	938.4	935.1	913.7
10796.9	40°	9074.8	6261.1	1886.7	1178.8	1037.2	958.2	915.4	910.4	918.7	880.8
11868.7	42.5°	9881.5	6659.6	1919.7	1167.3	1002.6	915.4	874.2	874.2	867.6	815.0
13001.4	45°	10754.1	7118.9	1952.6	1139.3	961.5	872.6	841.3	829.8	801.8	750.7
14140.6	47.5°	11633.2	7586.5	1977.3	1088.2	912.1	836.4	808.4	782.0	740.9	694.8
15258.5	50°	12467.9	8006.3	1950.9	1012.5	856.1	801.8	772.1	735.9	691.5	660.2
16317.1	52.5°	13213.7	8370.1	1839.0	923.6	796.8	765.6	739.2	701.4	665.1	632.2
17272.0	55°	13862.4	8664.8	1641.4	839.6	744.2	734.3	707.9	660.2	610.8	582.8
18218.7	57.5°	14484.7	8888.7	1394.5	770.5	696.4	699.7	660.2	617.4	571.3	541.7
19494.6	60°	15312.8	9188.4	1144.2	706.3	645.4	655.3	612.4	581.2	523.5	485.7
21682.6	62.5°	16636.5	9654.3	908.8	627.3	586.1	589.4	571.3	533.4	464.3	419.8
23304.3	65°	17686.9	9483.1	716.2	541.7	518.6	523.5	523.5	482.4	408.3	357.3
23391.6	67.5°	17568.4	8119.9	571.3	457.7	454.4	457.7	469.2	434.6	362.2	321.0
21610.2	70°	16183.8	6458.7	457.7	380.3	395.1	386.9	419.8	396.8	326.0	284.8
16753.4	72.5°	13205.5	4652.6	349.0	314.5	302.9	316.1	378.7	357.3	271.7	225.6
8873.9	75°	7716.5	2482.7	260.1	248.6	219.0	263.4	335.9	304.6	207.4	166.3
2719.8	77.5°	2512.4	866.0	191.0	182.7	163.0	212.4	286.5	256.8	169.6	131.7
796.8	80°	673.4	261.8	130.1	120.2	105.4	158.1	227.2	204.1	121.8	85.6
342.4	82.5°	270.0	110.3	75.7	67.5	57.6	108.7	179.5	164.6	90.6	54.3
107.0	85°	87.3	36.2	28.0	21.4	26.3	67.5	107.0	112.0	64.2	28.0
16.5	87.5°	11.5	4.9	4.9	6.6	4.9	11.5	32.9	31.3	18.1	3.3
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°
3788.3
3340.5
2703.3
2090.9
1707.3
1567.3
1519.6
1465.3
1389.5
1292.4
1187.0
1085.0
1004.3
950.0
908.8
912.1
882.5
815.0
749.1
693.1
655.3
628.9
579.5
538.4
480.7
416.5
352.3
314.5
279.9
220.6
161.3
126.8
84.0
54.3
21.4
0.0
0.0

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