

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: P849438

Luminaire Tested: **GLAN-SB6C-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35537 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

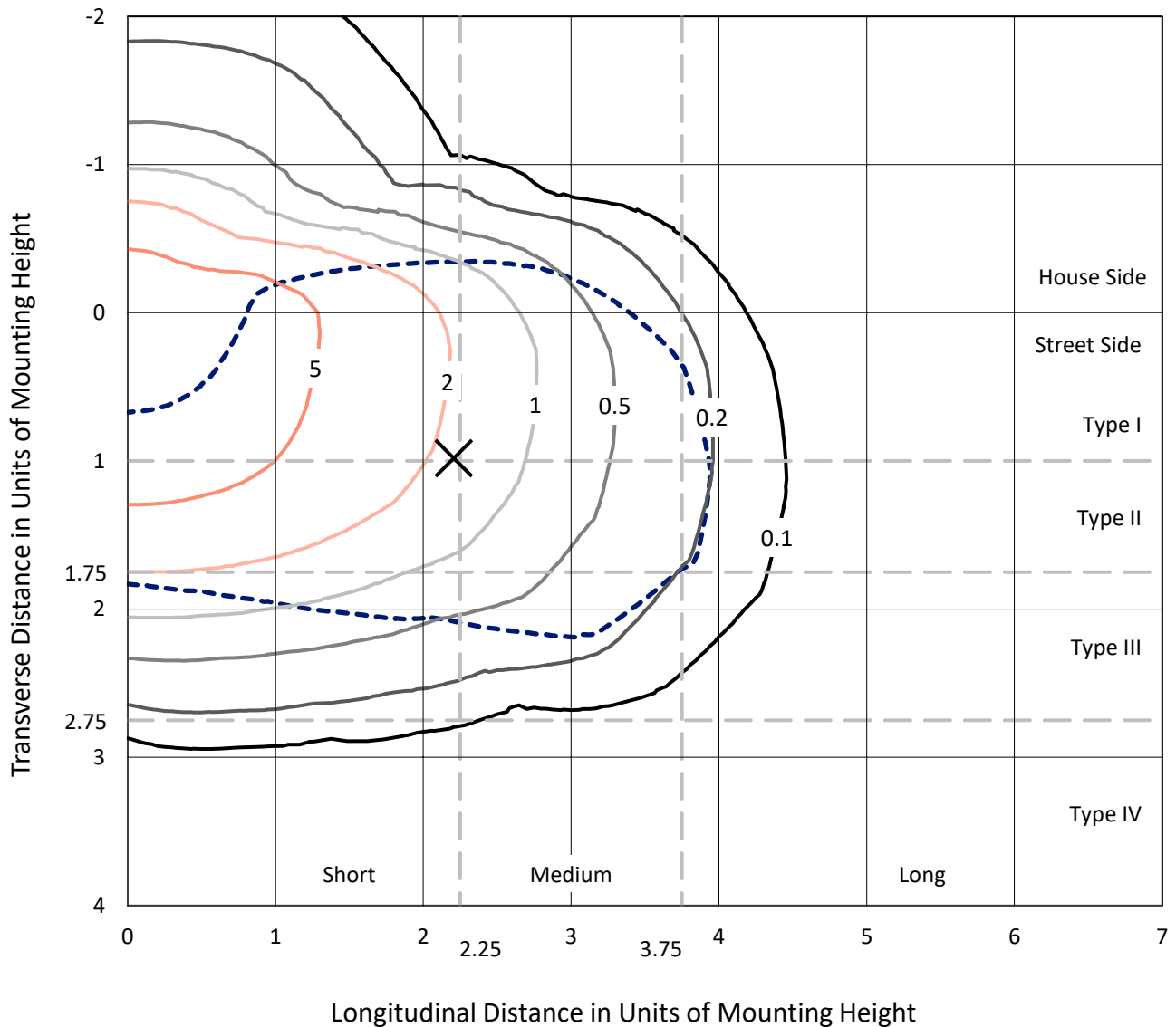
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

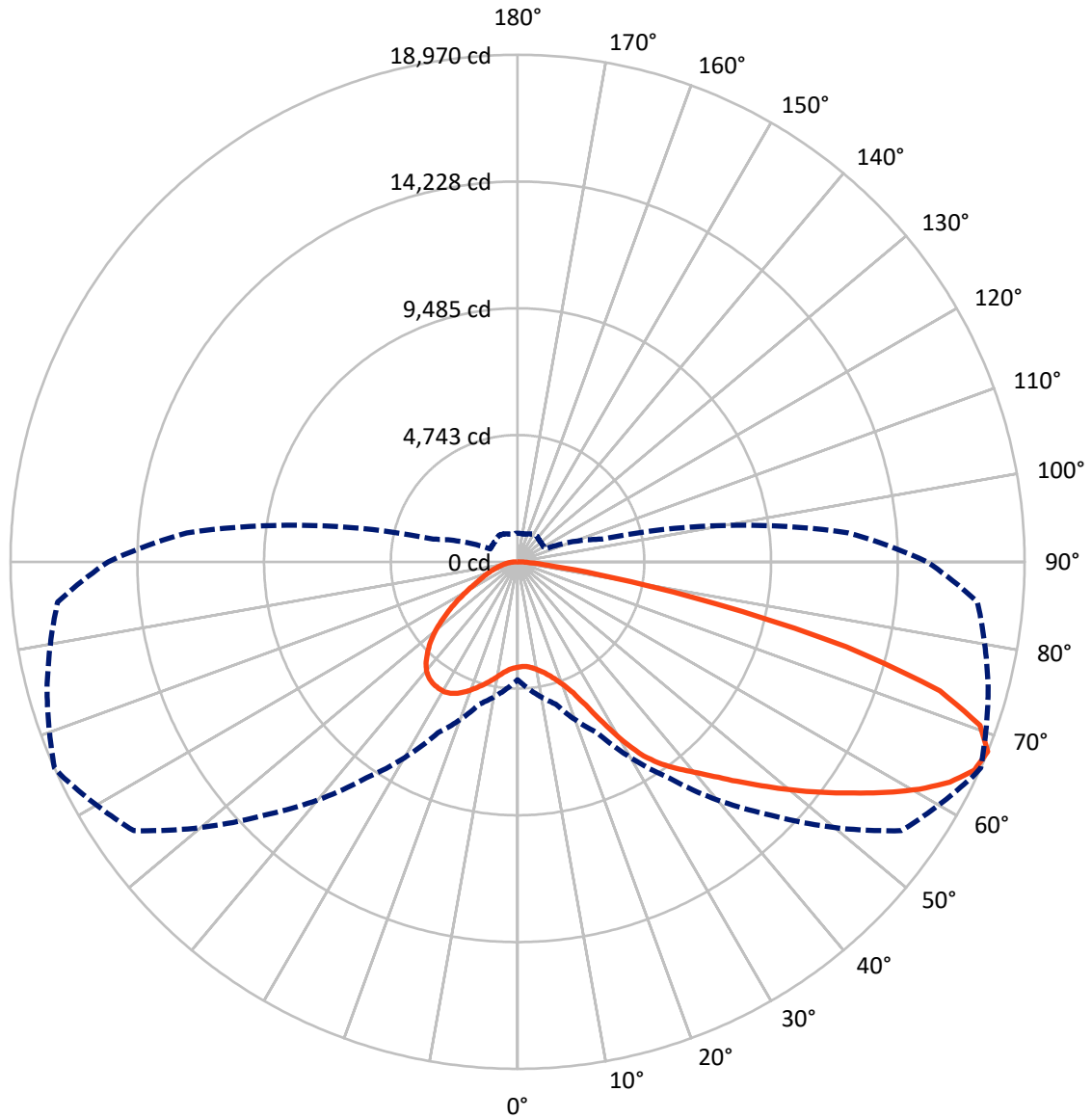
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8836.2	0.0	8836.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	26700.8	0.0	26700.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	35537.0	0.0	35537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.8	1.1
10°-20°	1291.1	3.6
20°-30°	2488.5	7.0
30°-40°	4363.3	12.3
40°-50°	6486.8	18.3
50°-60°	8222.7	23.1
60°-70°	8045.7	22.6
70°-80°	3837.9	10.8
80°-90°	410.2	1.2
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°	35537.0	100.0
0°-180°	35537.0	100.0

Coefficient of Utilization

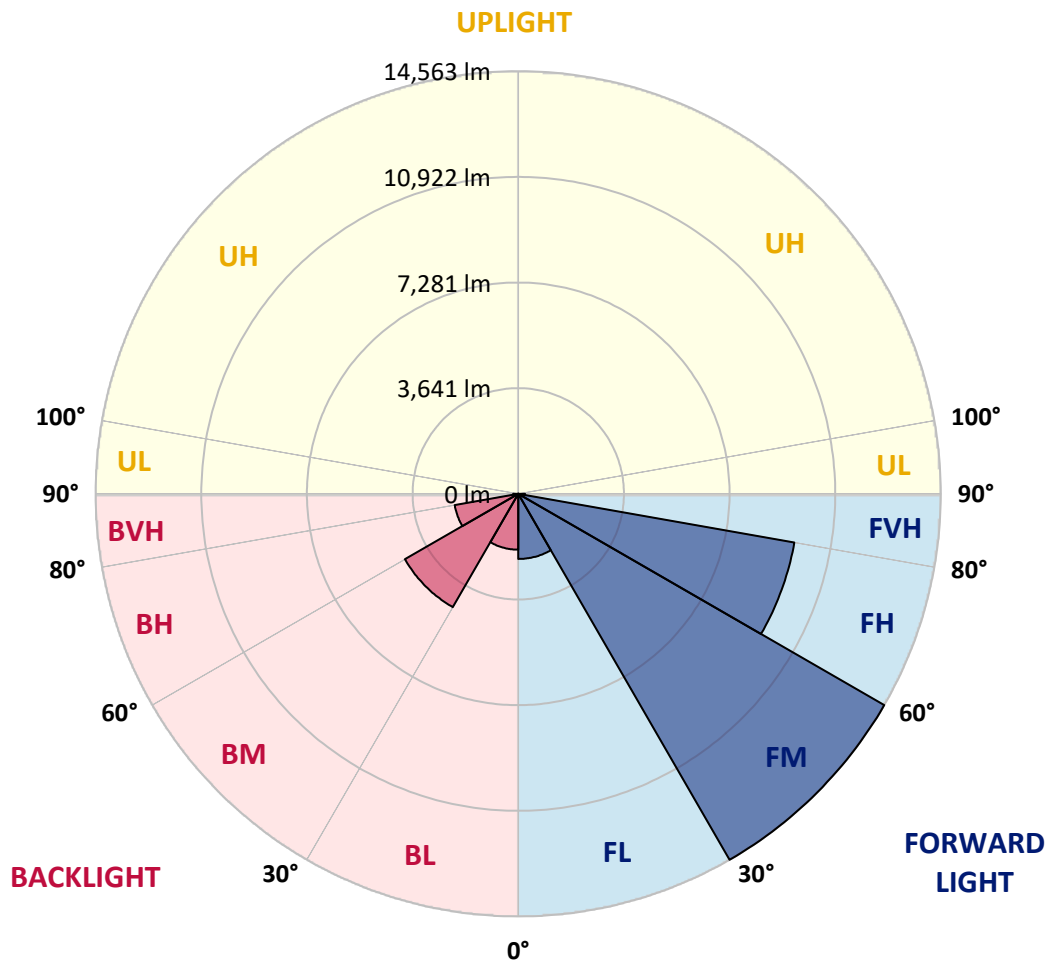


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2245.6	6.3			
FM (30°-60°)	14562.8	41.0			
FH (60°-80°)	9659.9	27.2			G4/12000
FVH (80°-90°)	232.5	0.7			G3/500
BL (0°-30°)	1924.8	5.4	B3/2500		
BM (30°-60°)	4510.1	12.7	B3/5000		
BH (60°-80°)	2223.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	177.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3941.5	3941.5	3941.5	3941.5	3941.5	3941.5	3941.5	3941.5	3941.5	3941.5
2.5°	3900.4	3922.9	3917.3	3907.9	3906.0	3909.8	3915.4	3921.0	3919.1	3928.5
5°	3889.2	3911.6	3909.8	3909.8	3917.3	3932.2	3941.5	3950.9	3941.5	3952.7
7.5°	3896.7	3913.5	3921.0	3928.5	3947.1	3975.1	3997.5	4018.1	4006.9	4019.9
10°	3991.9	4005.0	4012.5	4012.5	4025.5	4057.3	4079.7	4117.0	4107.7	4128.2
12.5°	4165.6	4178.6	4178.6	4171.2	4180.5	4201.1	4208.5	4249.6	4232.8	4266.4
15°	4378.4	4404.6	4384.0	4371.0	4374.7	4395.2	4393.4	4425.1	4408.3	4436.3
17.5°	4613.7	4647.3	4613.7	4611.8	4604.4	4626.8	4628.6	4656.6	4626.8	4647.3
20°	4891.9	4938.6	4910.6	4919.9	4903.1	4912.4	4921.8	4962.8	4916.2	4931.1
22.5°	5284.0	5340.0	5310.1	5345.6	5334.4	5326.9	5325.1	5397.9	5325.1	5330.7
25°	5855.3	5922.6	5870.3	5918.8	5918.8	5943.1	5971.1	6064.5	5943.1	5907.6
27.5°	6699.3	6766.5	6663.8	6693.7	6684.3	6744.1	6714.2	6945.7	6815.0	6757.2
30°	7715.0	7834.5	7640.3	7632.8	7623.5	7718.7	7761.7	7914.8	7782.2	7724.3
32.5°	8812.9	8938.0	8706.5	8639.2	8603.8	8661.6	8626.2	8749.4	8657.9	8568.3
35°	9974.2	10097.5	9877.1	9746.4	9604.5	9483.2	9356.2	9388.0	9302.1	9165.8
37.5°	11072.1	11298.0	11064.6	10924.6	10663.2	10426.1	10071.3	9923.8	9843.5	9718.4
40°	12190.5	12319.4	12142.0	12022.5	11738.7	11367.1	10799.5	10487.7	10379.4	10258.0
42.5°	13013.9	13137.2	13041.9	12959.8	12737.6	12306.3	11572.5	11182.3	11025.4	10889.1
45°	13667.4	13758.9	13699.2	13729.0	13633.8	13215.6	12373.5	11927.3	11764.8	11598.6
47.5°	13930.7	14027.8	14123.0	14300.4	14462.8	14154.8	13234.3	12733.9	12562.1	12392.2
50°	13900.8	13999.8	14276.1	14653.3	15157.4	15054.7	14141.7	13592.7	13434.0	13239.9
52.5°	13661.8	13773.9	14128.6	14756.0	15558.8	15728.7	15065.9	14479.6	14330.3	14098.7
55°	13034.5	13101.7	13633.8	14522.6	15654.1	16199.3	15971.5	15424.4	15275.0	14952.0
57.5°	11871.2	11968.3	12743.2	13893.4	15415.1	16518.5	16766.9	16417.7	16274.0	15809.0
60°	10353.3	10508.2	11395.1	12836.6	14806.4	16516.7	17489.5	17394.2	17274.7	16653.0
62.5°	8635.5	8814.7	9668.0	11342.8	13742.1	16048.0	17941.3	18212.0	18150.4	17431.6
65°	6632.1	6755.3	7604.8	9410.4	12086.0	15041.6	17993.6	18770.3	18781.5	18023.5
67.5°	4415.8	4770.5	5508.0	7061.5	9867.8	13396.7	17534.3	18861.8	18970.1	18227.0
70°	2154.7	2621.5	3344.0	4589.4	7061.5	10874.2	16333.7	18111.2	18352.1	17633.2
72.5°	894.4	1045.6	1439.6	2264.8	4053.6	7337.8	13921.4	16076.0	16522.3	15624.2
75°	603.1	653.5	823.4	1161.4	1846.6	3618.5	10039.6	11987.0	12705.9	11800.3
77.5°	464.9	496.7	599.4	812.2	1097.9	1368.6	5373.6	7223.9	7595.5	7031.6
80°	366.0	390.2	448.1	591.9	778.6	731.9	1831.7	3273.1	3487.8	2925.8
82.5°	317.4	326.7	321.1	401.4	517.2	427.6	601.2	1208.0	1333.1	967.2
85°	229.7	255.8	267.0	248.3	274.5	216.6	246.5	427.6	470.5	420.1
87.5°	93.4	138.2	169.9	160.6	100.8	61.6	76.6	125.1	143.8	156.8
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°
3941.5	0°	3941.5	3941.5	3941.5	3941.5	3941.5	3941.5	3941.5	3941.5	3941.5	3941.5
3943.4	2.5°	3945.3	3958.3	3967.7	3978.9	3986.3	3997.5	4019.9	4033.0	4034.9	4044.2
3973.3	5°	3980.7	3999.4	4019.9	4049.8	4083.4	4111.4	4154.4	4184.3	4195.5	4204.8
4046.1	7.5°	4057.3	4083.4	4120.8	4173.0	4221.6	4258.9	4311.2	4346.7	4382.2	4395.2
4161.8	10°	4171.2	4208.5	4262.7	4333.6	4385.9	4434.4	4488.6	4518.5	4553.9	4568.9
4300.0	12.5°	4313.1	4352.3	4423.2	4522.2	4570.7	4604.4	4623.0	4615.6	4623.0	4636.1
4466.2	15°	4475.5	4518.5	4598.8	4705.2	4738.8	4708.9	4667.8	4630.5	4624.9	4628.6
4667.8	17.5°	4667.8	4699.6	4792.9	4882.6	4858.3	4735.1	4645.4	4585.7	4555.8	4546.5
4925.5	20°	4936.7	4936.7	5013.3	5069.3	4906.8	4697.7	4557.7	4460.6	4399.0	4372.8
5276.5	22.5°	5263.5	5233.6	5282.1	5242.9	4897.5	4593.2	4399.0	4230.9	4137.6	4100.2
5767.6	25°	5678.0	5642.5	5629.4	5386.7	4830.3	4427.0	4111.4	3907.9	3825.8	3805.2
6475.2	27.5°	6303.4	6213.8	6043.9	5465.1	4707.0	4165.6	3775.3	3586.8	3540.1	3542.0
7384.5	30°	7136.2	6956.9	6540.6	5478.2	4505.4	3795.9	3431.8	3297.4	3275.0	3284.3
8148.2	32.5°	7907.3	7737.4	7048.4	5418.4	4195.5	3433.7	3123.7	3034.1	3000.5	3011.7
8730.7	35°	8512.3	8465.6	7519.0	5334.4	3814.6	3093.8	2847.4	2770.8	2705.5	2690.5
9279.7	37.5°	9083.6	9064.9	7871.8	5216.8	3437.4	2853.0	2625.2	2524.4	2429.1	2376.9
9886.5	40°	9711.0	9692.3	8103.4	5035.7	3103.2	2643.9	2425.4	2292.8	2175.2	2080.0
10573.6	42.5°	10416.7	10306.6	8213.5	4776.1	2819.4	2466.5	2263.0	2083.7	1928.8	1841.0
11350.3	45°	11187.9	10939.5	8211.7	4445.6	2580.4	2304.0	2089.3	1835.4	1691.6	1609.5
12147.6	47.5°	12005.7	11544.5	8110.8	4079.7	2348.9	2124.8	1820.5	1626.3	1531.1	1480.6
13013.9	50°	12849.6	12110.2	7939.1	3659.6	2111.7	1921.3	1652.4	1519.8	1447.0	1400.4
13872.8	52.5°	13643.2	12623.7	7731.8	3183.5	1870.9	1723.4	1577.7	1475.0	1398.5	1346.2
14705.6	55°	14380.7	13066.2	7438.7	2696.1	1674.8	1590.8	1542.3	1456.4	1368.6	1307.0
15551.4	57.5°	15036.0	13353.8	6932.7	2238.7	1534.8	1499.3	1504.9	1424.6	1323.8	1271.5
16384.1	60°	15581.2	13564.7	6184.0	1814.9	1420.9	1409.7	1447.0	1364.9	1247.2	1187.5
17088.0	62.5°	15908.0	13561.0	5265.3	1486.2	1323.8	1327.5	1370.5	1290.2	1170.7	1114.7
17455.8	65°	15880.0	13228.7	4257.1	1271.5	1230.4	1234.2	1290.2	1208.0	1107.2	1073.6
17271.0	67.5°	15318.0	12418.3	3265.6	1131.5	1127.7	1144.6	1209.9	1152.0	1068.0	1064.3
16169.4	70°	13796.3	10736.0	2352.6	1019.5	1021.3	1045.6	1131.5	1116.5	1047.5	1054.9
13594.6	72.5°	11062.8	8185.5	1579.6	901.8	903.7	942.9	1056.8	1088.5	1026.9	1125.9
9645.6	75°	7367.7	5104.7	1015.7	776.7	778.6	829.0	991.4	1034.4	970.9	1122.1
5018.9	77.5°	3540.1	2294.7	735.7	653.5	653.5	700.2	857.0	926.1	827.1	872.0
1613.2	80°	1223.0	862.6	578.8	526.5	515.3	547.1	722.6	802.9	713.2	657.2
526.5	82.5°	481.7	448.1	464.9	408.9	371.6	392.1	562.0	662.8	524.7	474.3
296.9	85°	276.3	291.3	328.6	270.7	214.7	240.9	412.6	476.1	395.8	349.2
97.1	87.5°	74.7	102.7	151.2	140.0	97.1	102.7	196.0	263.3	227.8	175.5
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

<u>180°</u>
3941.5
4042.3
4202.9
4397.1
4576.3
4639.8
4641.7
4559.5
4367.2
4094.6
3809.0
3547.6
3316.0
3026.6
2701.7
2378.7
2089.3
1846.6
1605.7
1469.4
1383.5
1323.8
1282.7
1237.9
1161.4
1097.9
1071.7
1069.9
1053.1
1140.8
1131.5
799.1
616.2
472.4
356.6
181.1
0.0

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