

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: P852939

Luminaire Tested: **GLAN-SB7C-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51657 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

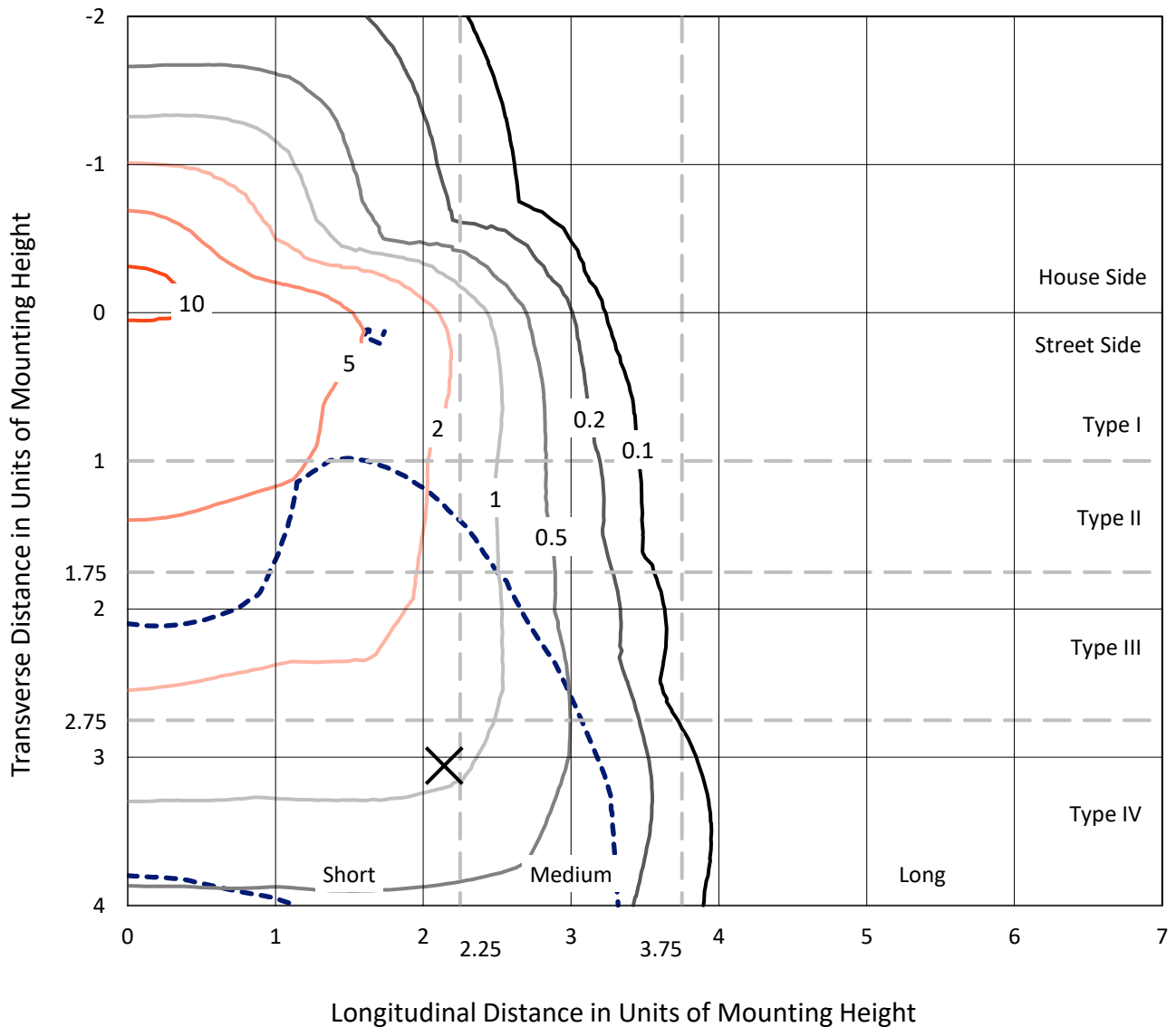
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

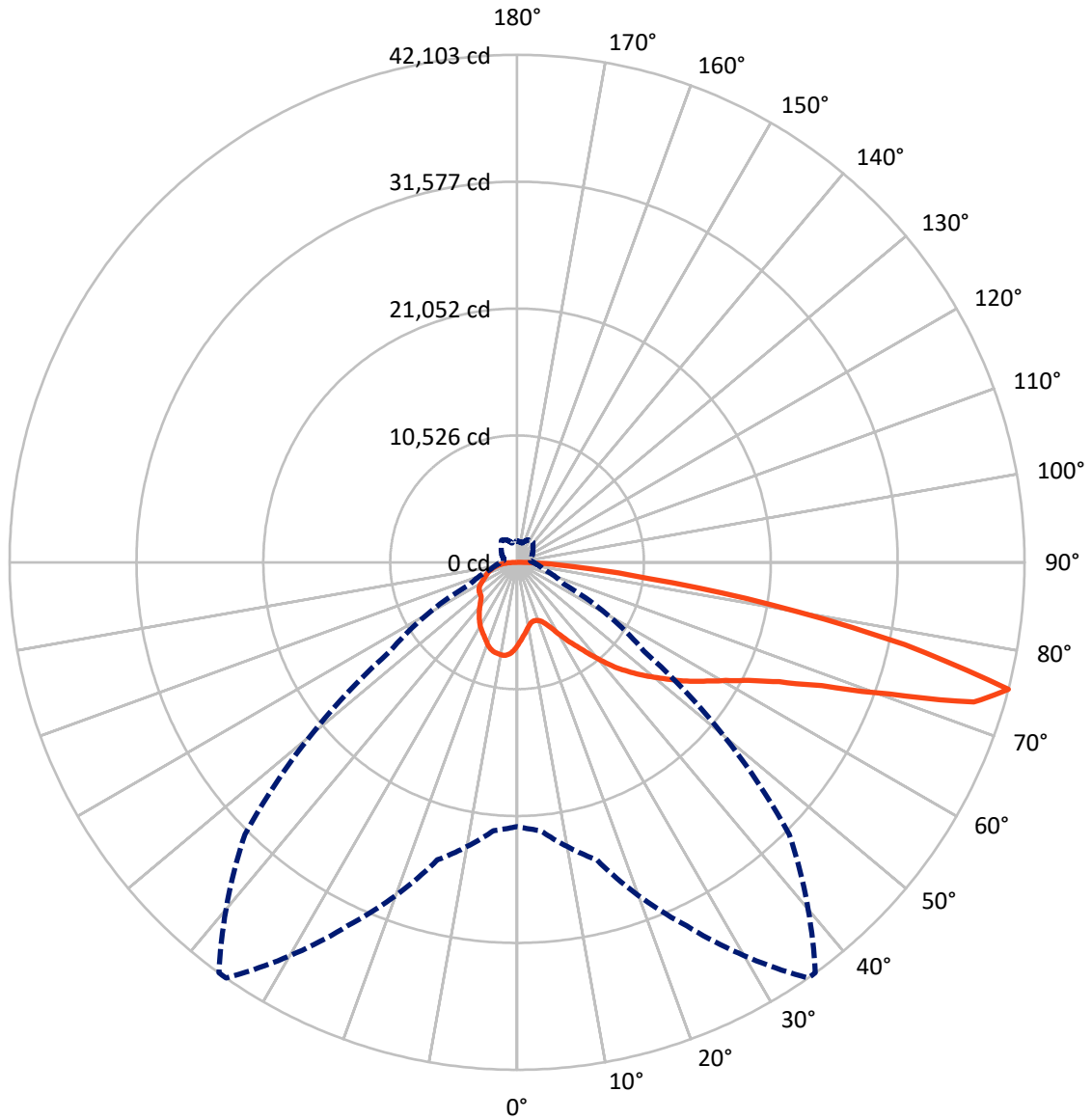
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12293.1	0.0	12293.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	39363.9	0.0	39363.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	51657.0	0.0	51657.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	651.7	1.3
10°-20°	1879.9	3.6
20°-30°	3156.9	6.1
30°-40°	4906.2	9.5
40°-50°	7282.1	14.1
50°-60°	10053.4	19.5
60°-70°	12197.1	23.6
70°-80°	10079.9	19.5
80°-90°	1449.8	2.8
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°	51657.0	100.0
0°-180°	51657.0	100.0

Coefficient of Utilization

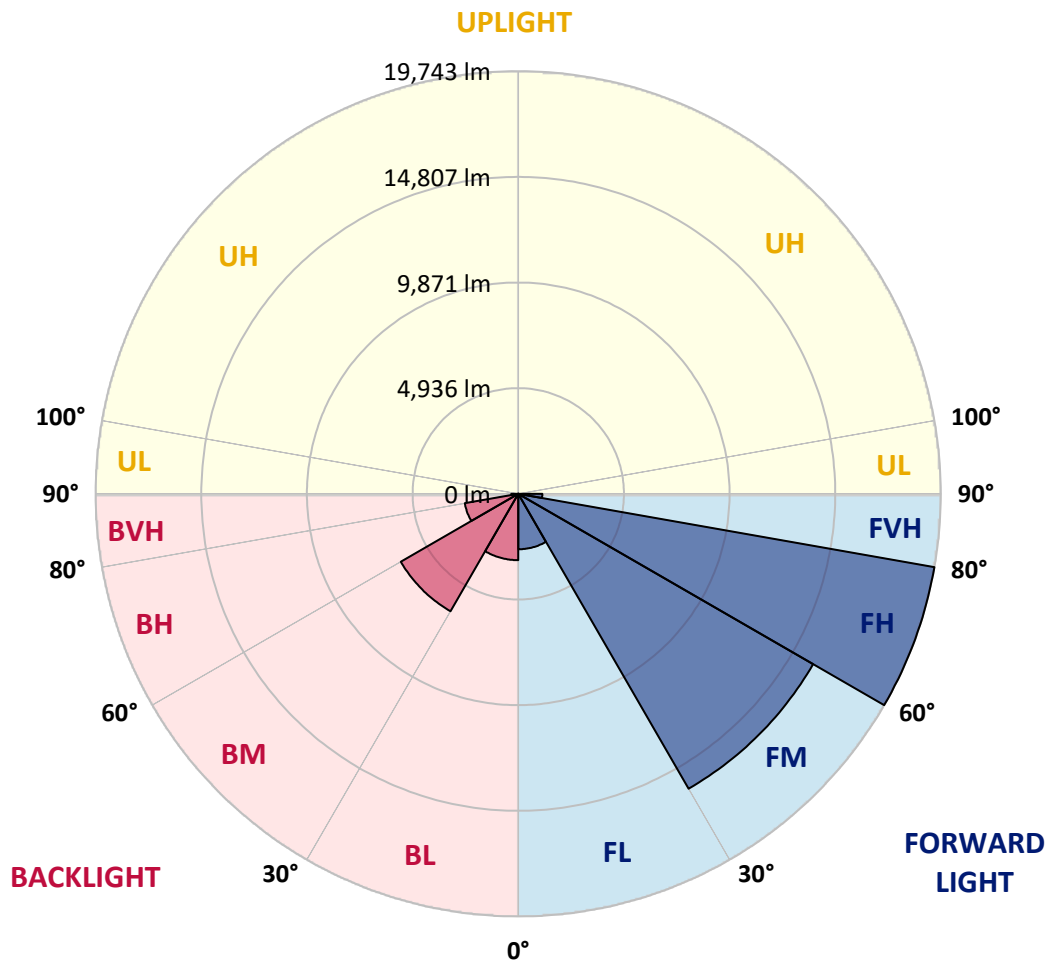


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2590.5	5.0			
FM (30°-60°)	15907.6	30.8			
FH (60°-80°)	19742.5	38.2			G5
FVH (80°-90°)	1123.3	2.2			G5
BL (0°-30°)	3098.0	6.0	B4/5000		
BM (30°-60°)	6334.1	12.3	B4/8500		
BH (60°-80°)	2534.5	4.9	B4/5000		G4/5000
BVH (80°-90°)	326.5	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	6883.6	6883.6	6883.6	6883.6	6883.6	6883.6	6883.6	6883.6	6883.6	6883.6
2.5°	6347.5	6386.6	6403.3	6394.9	6436.8	6431.3	6489.9	6562.5	6663.0	6760.8
5°	5858.8	5900.7	5937.0	5970.5	6051.5	6076.6	6168.8	6308.4	6492.7	6679.8
7.5°	5403.6	5439.9	5495.7	5557.2	5694.0	5719.1	5872.7	6090.6	6347.5	6621.1
10°	5032.2	5068.5	5127.1	5196.9	5367.3	5398.0	5593.5	5883.9	6219.0	6565.3
12.5°	4873.0	4884.2	4917.7	4987.5	5135.5	5155.1	5370.1	5702.4	6093.4	6523.4
15°	4864.6	4887.0	4889.8	4926.1	5048.9	5057.3	5255.6	5585.1	6015.2	6515.0
17.5°	4948.4	4965.2	4940.0	4962.4	5065.7	5079.7	5236.0	5529.3	5990.0	6551.3
20°	5171.8	5185.8	5110.4	5079.7	5155.1	5166.2	5319.8	5565.6	6015.2	6626.7
22.5°	5646.5	5654.9	5470.6	5344.9	5350.5	5356.1	5490.2	5713.6	6112.9	6763.6
25°	6386.6	6381.0	6087.8	5844.8	5705.2	5674.5	5763.8	5953.7	6277.7	6945.1
27.5°	7252.3	7210.4	6917.2	6554.1	6249.7	6205.1	6185.5	6266.5	6512.2	7185.2
30°	8229.7	8190.6	7875.0	7400.3	6978.6	6906.0	6721.7	6679.8	6861.3	7512.0
32.5°	9302.0	9276.9	8899.9	8324.6	7760.5	7676.7	7366.8	7255.1	7397.5	8006.3
35°	10201.2	10178.9	9866.1	9274.1	8584.3	8481.0	8165.4	8039.8	8112.4	8640.2
37.5°	11013.8	11002.7	10734.6	10268.2	9556.1	9430.5	9075.8	9033.9	9019.9	9475.1
40°	11767.8	11739.9	11460.6	11214.9	10687.1	10572.6	10259.8	10223.5	10117.4	10502.8
42.5°	12602.8	12530.2	12125.3	12010.8	11868.4	11773.4	11586.3	11591.9	11357.3	11661.7
45°	13284.2	13242.3	12826.2	12759.2	12912.8	12873.7	13035.6	13077.5	12622.3	12876.5
47.5°	14015.8	13976.7	13624.9	13577.4	13993.5	14004.7	14577.1	14591.1	13856.7	14138.7
50°	14917.8	14862.0	14512.9	14571.5	15037.9	15079.8	16127.0	16032.1	14993.2	15420.5
52.5°	15512.6	15546.1	15470.7	15565.7	16202.4	16241.5	17651.7	17408.8	16118.6	16685.5
55°	15951.1	16018.1	16252.7	16470.5	17431.1	17470.2	19089.9	18718.5	17051.3	17858.4
57.5°	16515.2	16420.2	16858.6	17283.1	18598.4	18701.7	20489.0	19980.7	17877.9	18869.3
60°	17325.0	17258.0	17598.7	18227.0	19905.3	20070.1	21969.0	21117.3	18483.9	19670.7
62.5°	18967.0	18799.5	18852.5	19408.2	21552.9	21770.7	23639.0	22108.6	18785.5	19983.5
65°	21421.7	21134.0	20866.0	21251.3	23873.5	24088.6	25523.9	22887.8	18673.8	19377.5
67.5°	24513.0	24228.2	23898.7	24261.7	27291.6	27462.0	27850.1	23326.2	17794.2	17043.0
70°	27062.6	26956.5	27350.3	28844.3	32751.1	32756.7	30832.6	22963.2	15384.2	12083.4
72.5°	26724.7	26660.5	28735.4	33354.3	39631.9	39483.9	33655.9	20215.3	10363.2	5451.1
75°	21924.3	22340.4	25554.7	33273.3	42103.3	42083.8	31927.3	12851.3	4286.6	2259.2
77.5°	11756.7	12415.7	16590.6	24566.1	32868.4	33362.6	22446.5	4496.0	1840.3	1446.5
80°	3834.2	4409.4	6612.8	12507.8	21357.5	21265.3	9620.3	1764.9	1259.4	1024.9
82.5°	1628.1	1695.1	2954.5	5906.3	10960.8	10790.4	3063.4	1013.7	885.2	700.9
85°	636.7	712.1	1304.1	2731.1	4747.3	4644.0	1105.9	502.7	566.9	458.0
87.5°	209.4	254.1	466.4	935.5	1477.3	1424.2	270.9	173.1	245.7	209.4
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°
6883.6	0°	6883.6	6883.6	6883.6	6883.6	6883.6	6883.6	6883.6	6883.6	6883.6	6883.6
6903.2	2.5°	6942.3	6987.0	7040.0	7118.2	7185.2	7241.1	7299.7	7336.0	7350.0	7391.9
6914.4	5°	6992.6	7090.3	7221.5	7350.0	7475.7	7551.1	7618.1	7651.6	7682.3	7704.7
6945.1	7.5°	7076.3	7202.0	7408.6	7576.2	7682.3	7743.8	7788.4	7777.3	7788.4	7794.0
6978.6	10°	7148.9	7324.9	7570.6	7729.8	7810.8	7813.6	7802.4	7763.3	7743.8	7746.5
7028.9	12.5°	7235.5	7431.0	7696.3	7830.3	7852.7	7791.2	7743.8	7676.7	7651.6	7640.4
7104.3	15°	7352.8	7576.2	7833.1	7883.4	7827.5	7749.3	7668.4	7559.4	7503.6	7458.9
7232.7	17.5°	7495.2	7741.0	7939.2	7902.9	7782.8	7654.4	7523.1	7358.4	7243.9	7196.4
7408.6	20°	7693.5	7914.1	8020.2	7861.0	7679.5	7484.0	7260.6	7059.6	6953.5	6906.0
7632.0	22.5°	7933.6	8145.9	8098.4	7788.4	7531.5	7218.8	6939.5	6791.5	6738.4	6704.9
7919.7	25°	8221.3	8402.8	8154.3	7682.3	7288.6	6866.9	6651.9	6604.4	6579.3	6554.1
8271.5	27.5°	8595.5	8693.2	8196.1	7525.9	6908.8	6492.7	6414.5	6422.9	6414.5	6372.6
8760.2	30°	9089.8	9070.2	8235.2	7271.8	6473.1	6154.8	6160.4	6196.7	6202.3	6174.3
9441.6	32.5°	9740.4	9542.2	8254.8	6942.3	6057.0	5858.8	5864.4	5903.5	5931.4	5883.9
10332.4	35°	10527.9	10092.3	8224.1	6529.0	5735.9	5576.7	5534.8	5546.0	5554.4	5509.7
11413.2	37.5°	11446.7	10709.4	8087.2	6071.0	5470.6	5300.3	5210.9	5135.5	5090.8	5048.9
12636.3	40°	12454.8	11382.4	7835.9	5624.2	5174.6	5007.0	4873.0	4730.6	4579.8	4523.9
13932.1	42.5°	13510.4	12075.0	7531.5	5196.9	4833.9	4697.1	4554.7	4348.0	4121.8	4007.3
15278.1	45°	14605.1	12784.3	7232.7	4775.3	4484.8	4426.2	4261.4	4012.9	3767.2	3621.9
16626.9	47.5°	15677.4	13454.5	6794.3	4350.8	4158.1	4222.3	4093.9	3864.9	3591.2	3362.2
17964.5	50°	16702.3	14082.8	6076.6	3920.7	3892.8	4160.9	4038.0	3708.5	3395.7	3102.5
19277.0	52.5°	17718.8	14591.1	5157.8	3529.8	3750.4	4144.1	3965.4	3602.4	3219.8	2912.6
20511.3	55°	18581.7	14853.6	4272.6	3194.7	3543.8	4001.7	3878.9	3476.7	2971.3	2644.5
21357.5	57.5°	19073.1	14641.4	3535.4	2865.2	3258.9	3767.2	3730.9	3208.6	2675.3	2423.9
21522.2	60°	18860.9	13781.3	2932.2	2577.5	2988.0	3513.0	3473.9	2943.4	2449.1	2211.7
20639.8	62.5°	17690.8	12142.0	2454.7	2326.2	2742.3	3253.3	3217.0	2739.5	2275.9	2046.9
18296.8	65°	15333.9	9877.3	2083.2	2116.8	2493.8	2940.6	2993.6	2569.1	2139.1	1915.7
14155.5	67.5°	11695.2	7154.5	1792.8	1935.2	2250.8	2633.4	2787.0	2446.3	2024.6	1812.4
8190.6	70°	6665.8	4063.2	1547.1	1759.3	2035.8	2348.5	2627.8	2348.5	1901.7	1725.8
3069.0	72.5°	2527.3	1865.4	1337.6	1583.4	1829.1	2108.4	2451.9	2194.9	1759.3	1628.1
1586.2	75°	1348.8	1136.6	1125.4	1376.7	1591.8	1873.8	2231.3	2044.1	1653.2	1720.2
1097.5	77.5°	918.8	804.3	941.1	1178.5	1332.0	1614.1	1996.7	1815.2	1432.6	1427.0
759.6	80°	636.7	569.7	765.2	949.5	1030.5	1357.2	1742.6	1558.2	1167.3	1089.1
469.1	82.5°	382.6	371.4	572.5	709.3	728.9	1047.2	1443.8	1306.9	955.1	832.2
279.3	85°	209.4	220.6	365.8	416.1	424.5	731.6	1131.0	1010.9	734.4	617.2
100.5	87.5°	58.6	75.4	134.0	164.8	203.9	379.8	673.0	600.4	368.6	256.9
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>
6883.6
7389.1
7710.2
7802.4
7752.1
7634.8
7472.9
7199.2
6900.4
6710.5
6554.1
6381.0
6188.3
5906.3
5540.4
5076.9
4549.1
4021.3
3610.8
3337.1
3077.4
2879.1
2616.6
2390.4
2178.2
2010.6
1879.4
1778.9
1703.5
1605.7
1776.1
1315.3
1041.6
837.8
622.7
256.9
0.0

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