

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: P853193

Luminaire Tested: **GLAN-SB9B-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853193
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-SB9B-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43527 lumens
Efficiency: N/A
Efficacy: 132.1 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

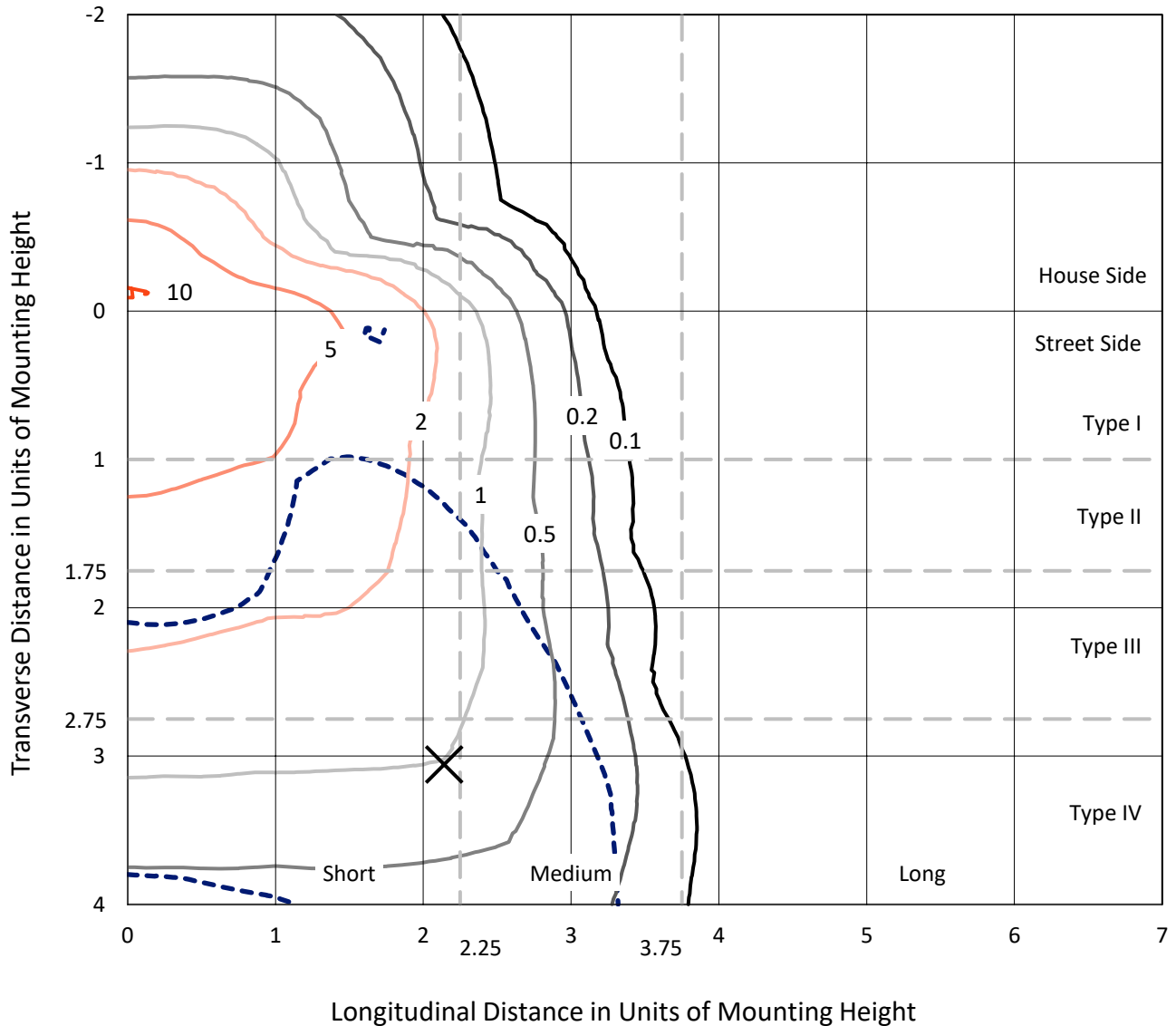
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

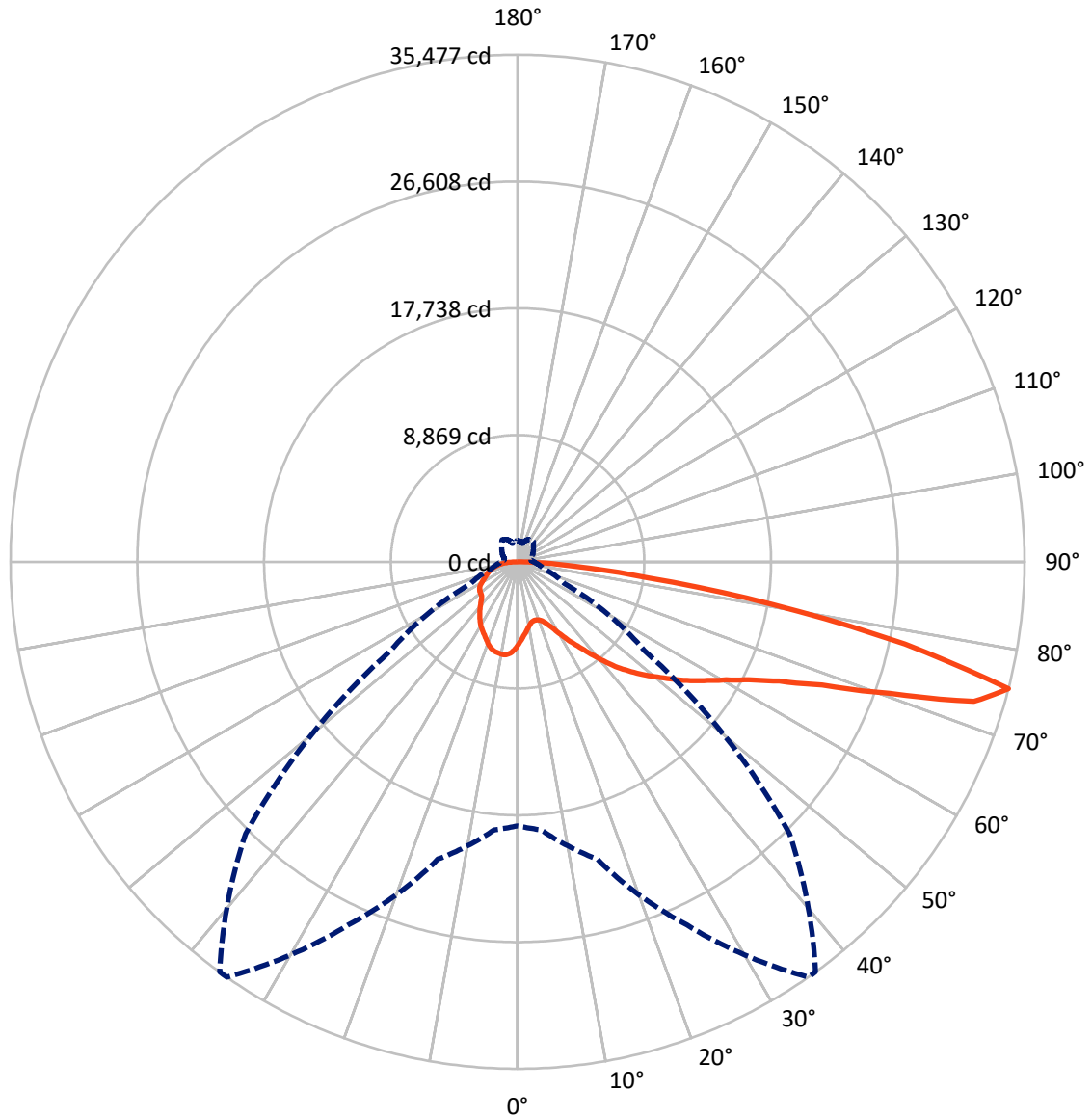
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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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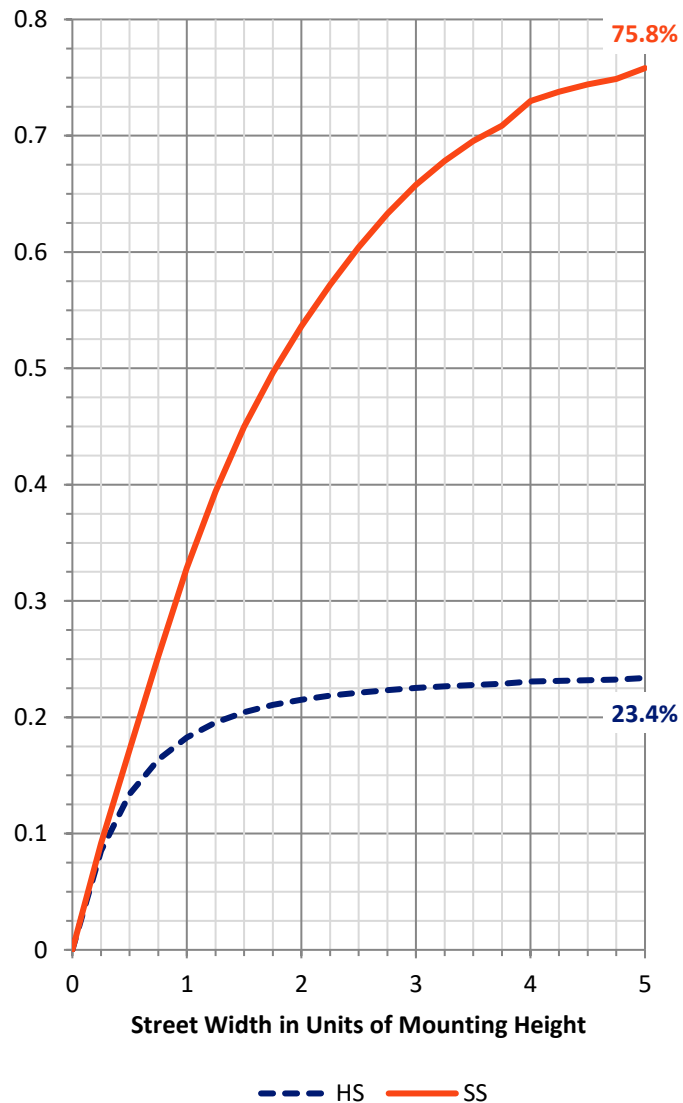
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10358.3	0.0	10358.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	33168.7	0.0	33168.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	43527.0	0.0	43527.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.2	1.3
10°-20°	1584.0	3.6
20°-30°	2660.0	6.1
30°-40°	4134.0	9.5
40°-50°	6136.0	14.1
50°-60°	8471.1	19.5
60°-70°	10277.4	23.6
70°-80°	8493.5	19.5
80°-90°	1221.6	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°	43527.0	100.0
0°-180°	43527.0	100.0

Coefficient of Utilization

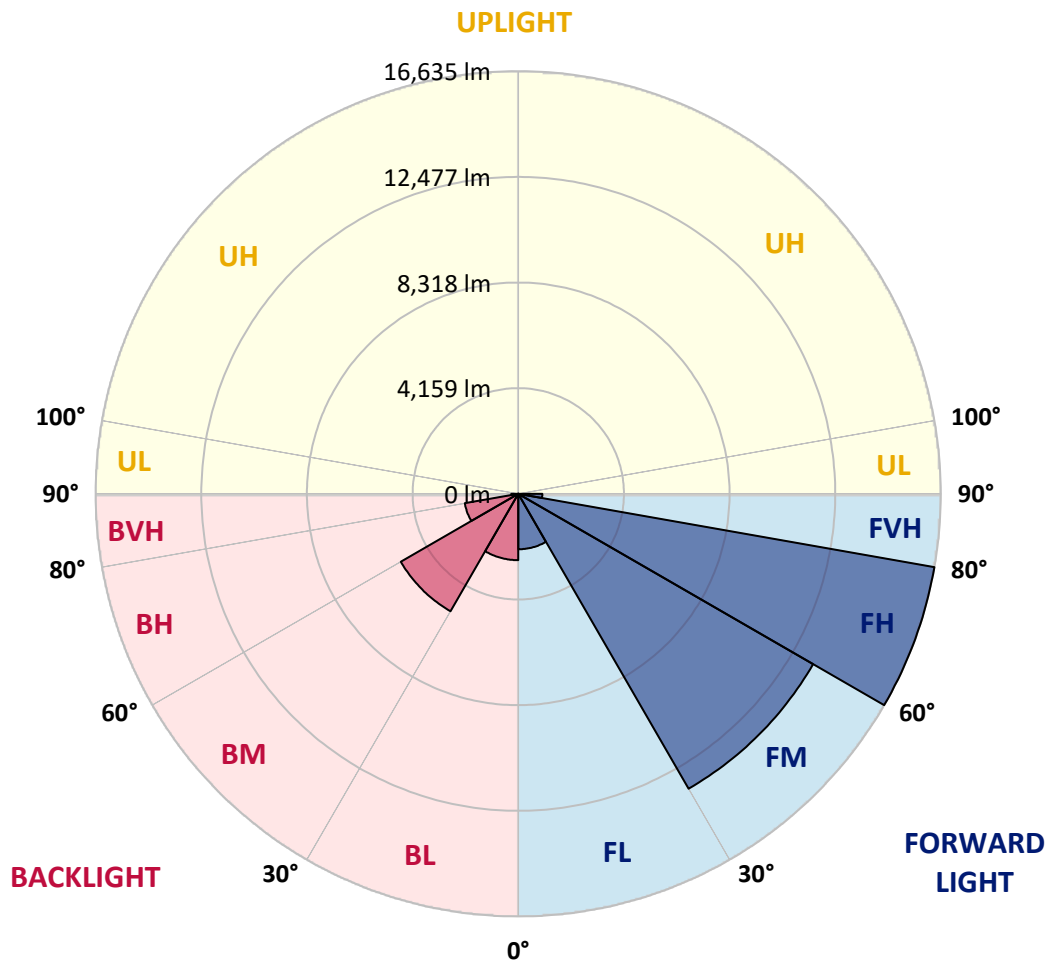


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2182.8	5.0			
FM (30°-60°)	13404.0	30.8			
FH (60°-80°)	16635.4	38.2			G5
FVH (80°-90°)	946.5	2.2			G5
BL (0°-30°)	2610.4	6.0	B4/5000		
BM (30°-60°)	5337.2	12.3	B4/8500		
BH (60°-80°)	2135.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	275.1	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°	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3
2.5°	5348.5	5381.4	5395.5	5388.5	5423.8	5419.1	5468.5	5529.7	5614.4	5696.7
5°	4936.7	4972.0	5002.6	5030.8	5099.1	5120.2	5197.9	5315.5	5470.8	5628.5
7.5°	4553.2	4583.7	4630.8	4682.6	4797.9	4819.0	4948.5	5132.0	5348.5	5579.1
10°	4240.2	4270.8	4320.2	4379.0	4522.6	4548.4	4713.2	4957.9	5240.2	5532.0
12.5°	4106.1	4115.5	4143.7	4202.5	4327.3	4343.7	4524.9	4804.9	5134.4	5496.7
15°	4099.0	4117.8	4120.2	4150.8	4254.3	4261.4	4428.4	4706.1	5068.5	5489.7
17.5°	4169.6	4183.7	4162.5	4181.4	4268.4	4280.2	4412.0	4659.0	5047.3	5520.3
20°	4357.8	4369.6	4306.1	4280.2	4343.7	4353.1	4482.6	4689.6	5068.5	5583.8
22.5°	4757.9	4764.9	4609.6	4503.7	4508.4	4513.1	4626.1	4814.3	5150.8	5699.1
25°	5381.4	5376.7	5129.6	4924.9	4807.3	4781.4	4856.7	5016.7	5289.7	5852.0
27.5°	6110.9	6075.6	5828.5	5522.6	5266.1	5228.5	5212.0	5280.2	5487.3	6054.4
30°	6934.4	6901.5	6635.6	6235.6	5880.3	5819.1	5663.8	5628.5	5781.4	6329.7
32.5°	7838.0	7816.8	7499.2	7014.4	6539.1	6468.5	6207.3	6113.2	6233.2	6746.2
35°	8595.7	8576.9	8313.3	7814.5	7233.3	7146.2	6880.3	6774.4	6835.6	7280.3
37.5°	9280.4	9271.0	9045.1	8652.2	8052.1	7946.2	7647.4	7612.1	7600.4	7983.9
40°	9915.8	9892.2	9656.9	9449.8	9005.1	8908.6	8645.1	8614.5	8525.1	8849.8
42.5°	10619.3	10558.1	10216.9	10120.5	10000.5	9920.5	9762.8	9767.5	9569.9	9826.3
45°	11193.5	11158.2	10807.6	10751.1	10880.5	10847.6	10984.0	11019.3	10635.8	10849.9
47.5°	11810.0	11777.0	11480.5	11440.5	11791.1	11800.5	12282.9	12294.7	11675.8	11913.5
50°	12570.0	12522.9	12228.8	12278.2	12671.2	12706.5	13588.9	13508.9	12633.5	12993.5
52.5°	13071.2	13099.4	13035.9	13115.9	13652.4	13685.3	14873.6	14668.9	13581.8	14059.5
55°	13440.6	13497.1	13694.7	13878.3	14687.7	14720.7	16085.4	15772.5	14367.7	15047.8
57.5°	13915.9	13835.9	14205.4	14563.0	15671.3	15758.4	17264.3	16836.1	15064.2	15899.6
60°	14598.3	14541.8	14828.9	15358.4	16772.5	16911.4	18511.4	17793.8	15574.8	16574.9
62.5°	15981.9	15840.7	15885.4	16353.7	18160.8	18344.4	19918.6	18629.1	15829.0	16838.4
65°	18050.2	17807.9	17582.0	17906.7	20116.2	20297.4	21506.9	19285.6	15734.8	16327.8
67.5°	20655.1	20415.1	20137.4	20443.3	22996.4	23139.9	23467.0	19655.0	14993.6	14360.7
70°	22803.4	22714.0	23045.8	24304.6	27596.6	27601.3	25980.0	19349.1	12963.0	10181.6
72.5°	22518.7	22464.6	24212.9	28104.8	33394.5	33269.8	28359.0	17033.7	8732.2	4593.2
75°	18473.8	18824.4	21532.8	28036.6	35476.9	35460.5	26902.4	10828.7	3611.9	1903.6
77.5°	9906.3	10461.7	13979.5	20699.8	27695.4	28111.9	18913.8	3788.4	1550.7	1218.9
80°	3230.7	3715.5	5572.0	10539.3	17996.1	17918.5	8106.3	1487.1	1061.2	863.6
82.5°	1371.8	1428.3	2489.5	4976.7	9235.7	9092.2	2581.3	854.2	745.9	590.6
85°	536.5	600.0	1098.9	2301.3	4000.2	3913.1	931.8	423.5	477.7	385.9
87.5°	176.5	214.1	393.0	788.3	1244.8	1200.1	228.2	145.9	207.1	176.5
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°
5800.3	0°	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3	5800.3
5816.7	2.5°	5849.7	5887.3	5932.0	5997.9	6054.4	6101.5	6150.9	6181.5	6193.2	6228.5
5826.2	5°	5892.0	5974.4	6085.0	6193.2	6299.1	6362.6	6419.1	6447.4	6473.2	6492.1
5852.0	7.5°	5962.6	6068.5	6242.6	6383.8	6473.2	6525.0	6562.7	6553.2	6562.7	6567.4
5880.3	10°	6023.8	6172.0	6379.1	6513.2	6581.5	6583.8	6574.4	6541.5	6525.0	6527.4
5922.6	12.5°	6096.8	6261.5	6485.0	6598.0	6616.8	6565.0	6525.0	6468.5	6447.4	6437.9
5986.2	15°	6195.6	6383.8	6600.3	6642.7	6595.6	6529.7	6461.5	6369.7	6322.6	6285.0
6094.4	17.5°	6315.6	6522.7	6689.7	6659.1	6557.9	6449.7	6339.1	6200.3	6103.8	6063.8
6242.6	20°	6482.7	6668.5	6758.0	6623.8	6470.9	6306.2	6117.9	5948.5	5859.1	5819.1
6430.9	22.5°	6685.0	6863.8	6823.8	6562.7	6346.2	6082.6	5847.3	5722.6	5677.9	5649.7
6673.2	25°	6927.4	7080.3	6870.9	6473.2	6141.5	5786.1	5605.0	5565.0	5543.8	5522.6
6969.7	27.5°	7242.7	7325.0	6906.2	6341.5	5821.4	5470.8	5405.0	5412.0	5405.0	5369.7
7381.5	30°	7659.2	7642.7	6939.1	6127.3	5454.4	5186.1	5190.8	5221.4	5226.1	5202.6
7955.7	32.5°	8207.4	8040.4	6955.6	5849.7	5103.8	4936.7	4941.4	4974.3	4997.9	4957.9
8706.3	35°	8871.0	8503.9	6929.7	5501.4	4833.2	4699.0	4663.7	4673.2	4680.2	4642.6
9616.9	37.5°	9645.2	9023.9	6814.4	5115.5	4609.6	4466.1	4390.8	4327.3	4289.6	4254.3
10647.5	40°	10494.6	9591.0	6602.7	4739.0	4360.2	4219.0	4106.1	3986.1	3859.0	3811.9
11739.4	42.5°	11384.1	10174.6	6346.2	4379.0	4073.1	3957.8	3837.8	3663.7	3473.1	3376.6
12873.5	45°	12306.4	10772.3	6094.4	4023.7	3779.0	3729.6	3590.8	3381.3	3174.3	3051.9
14010.1	47.5°	13210.0	11337.0	5725.0	3666.1	3503.7	3557.8	3449.6	3256.6	3026.0	2833.1
15137.2	50°	14073.6	11866.4	5120.2	3303.7	3280.2	3506.0	3402.5	3124.8	2861.3	2614.2
16243.1	52.5°	14930.1	12294.7	4346.1	2974.3	3160.1	3491.9	3341.3	3035.4	2713.1	2454.2
17283.1	55°	15657.2	12515.9	3600.2	2691.9	2986.0	3371.9	3268.4	2929.5	2503.6	2228.3
17996.1	57.5°	16071.3	12337.0	2979.0	2414.2	2746.0	3174.3	3143.7	2703.7	2254.2	2042.4
18135.0	60°	15892.5	11612.3	2470.7	2171.9	2517.8	2960.1	2927.2	2480.1	2063.6	1863.6
17391.4	62.5°	14906.6	10231.1	2068.3	1960.1	2310.7	2741.3	2710.7	2308.3	1917.7	1724.8
15417.2	65°	12920.6	8322.7	1755.4	1783.6	2101.3	2477.8	2522.5	2164.8	1802.4	1614.2
11927.6	67.5°	9854.6	6028.5	1510.7	1630.7	1896.6	2218.9	2348.3	2061.3	1706.0	1527.1
6901.5	70°	5616.7	3423.7	1303.6	1482.4	1715.4	1978.9	2214.2	1978.9	1602.4	1454.2
2586.0	72.5°	2129.5	1571.8	1127.1	1334.2	1541.2	1776.6	2066.0	1849.5	1482.4	1371.8
1336.5	75°	1136.5	957.7	948.3	1160.1	1341.2	1578.9	1880.1	1722.4	1393.0	1449.5
924.7	77.5°	774.2	677.7	793.0	993.0	1122.4	1360.1	1682.4	1529.5	1207.1	1202.4
640.0	80°	536.5	480.0	644.7	800.0	868.3	1143.6	1468.3	1313.0	983.6	917.7
395.3	82.5°	322.4	313.0	482.4	597.7	614.1	882.4	1216.5	1101.2	804.7	701.2
235.3	85°	176.5	185.9	308.2	350.6	357.7	616.5	953.0	851.8	618.9	520.0
84.7	87.5°	49.4	63.5	112.9	138.8	171.8	320.0	567.1	505.9	310.6	216.5
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>
5800.3
6226.2
6496.8
6574.4
6532.1
6433.2
6296.8
6066.2
5814.4
5654.4
5522.6
5376.7
5214.4
4976.7
4668.5
4277.8
3833.1
3388.4
3042.5
2811.9
2593.1
2426.0
2204.8
2014.2
1835.4
1694.2
1583.6
1498.9
1435.4
1353.0
1496.5
1108.3
877.7
705.9
524.7
216.5
0.0

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