

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: P852563

Luminaire Tested: **GLAN-SB4D-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852563
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-SB4D-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38938 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

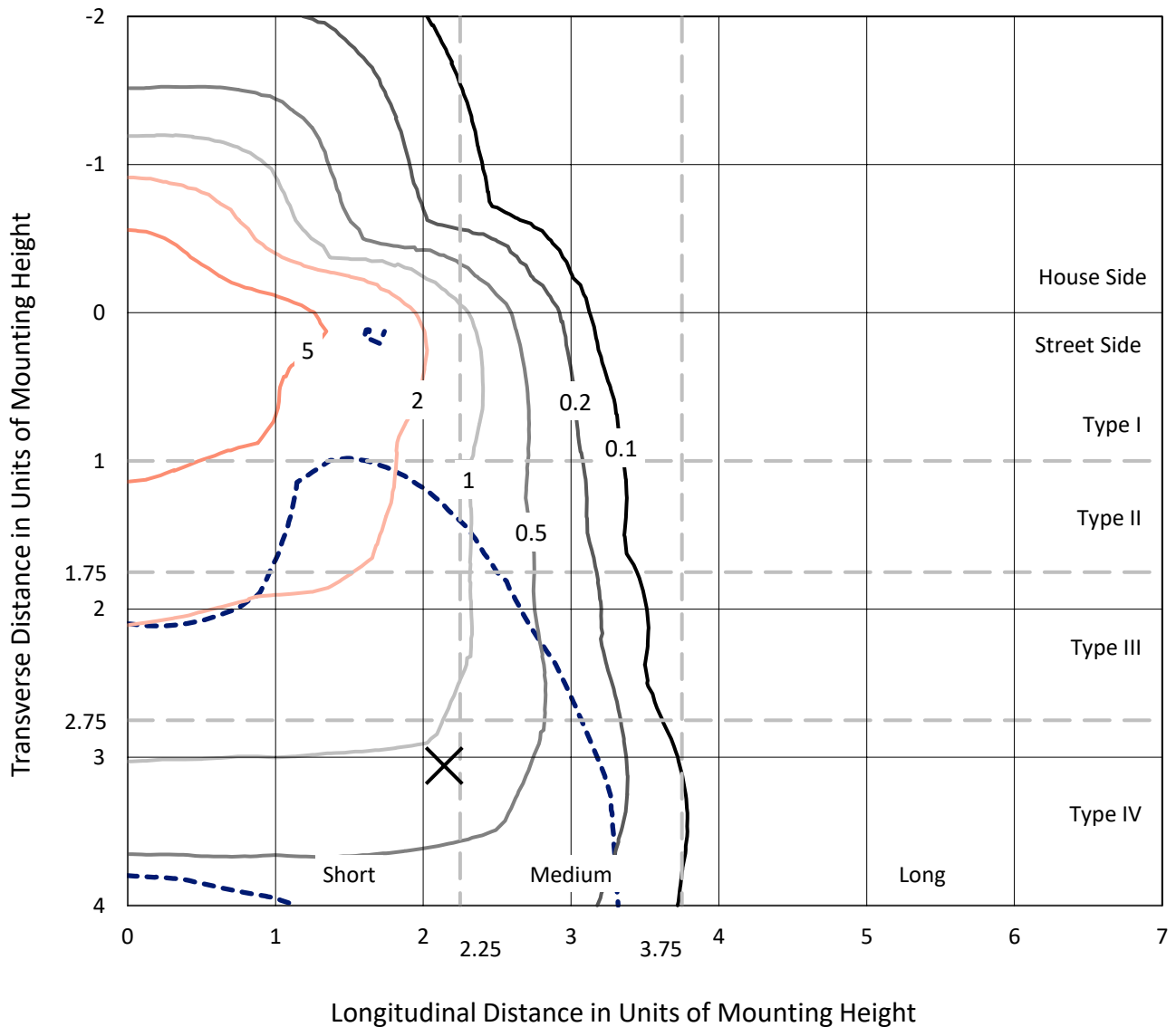
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

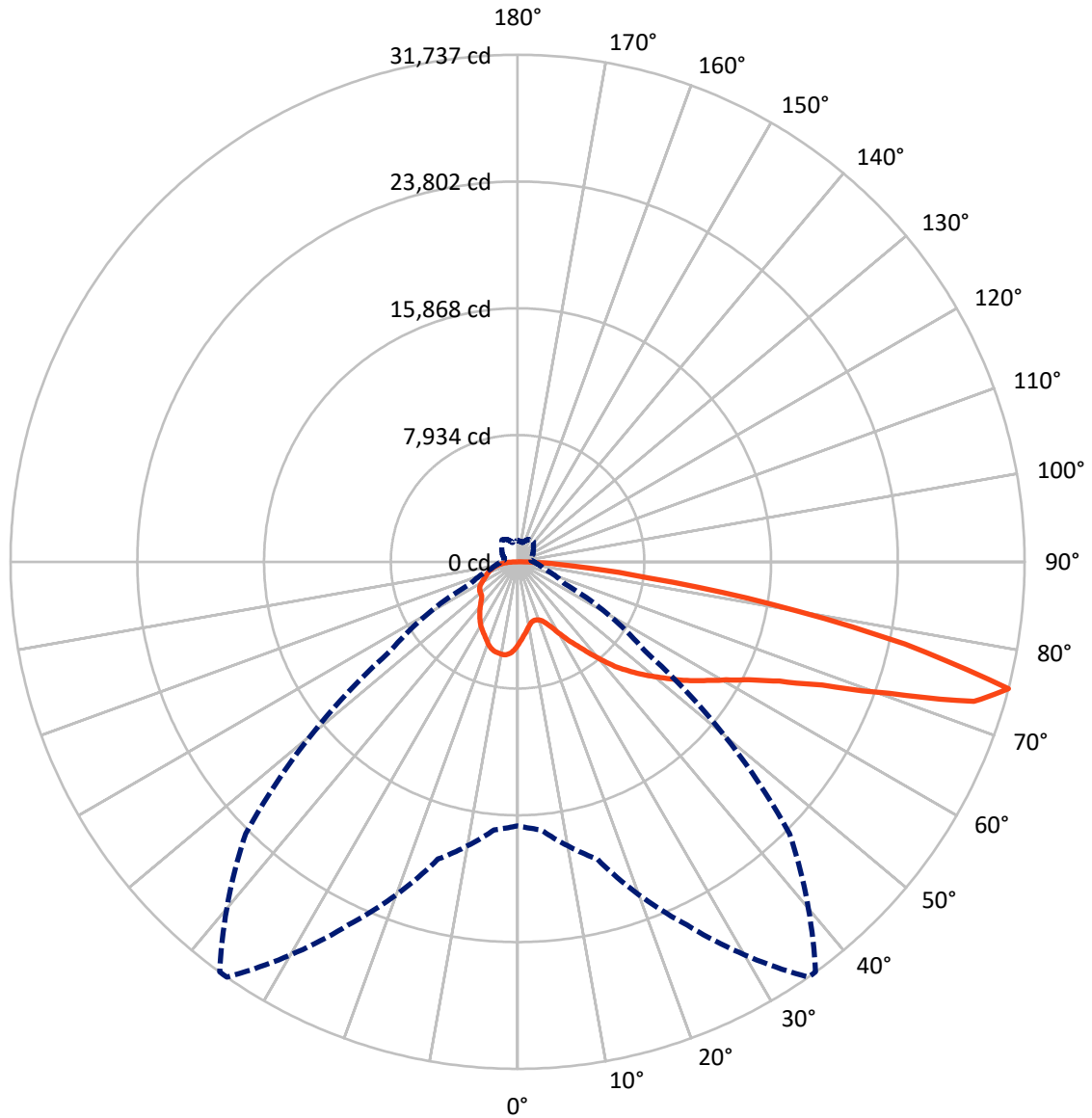
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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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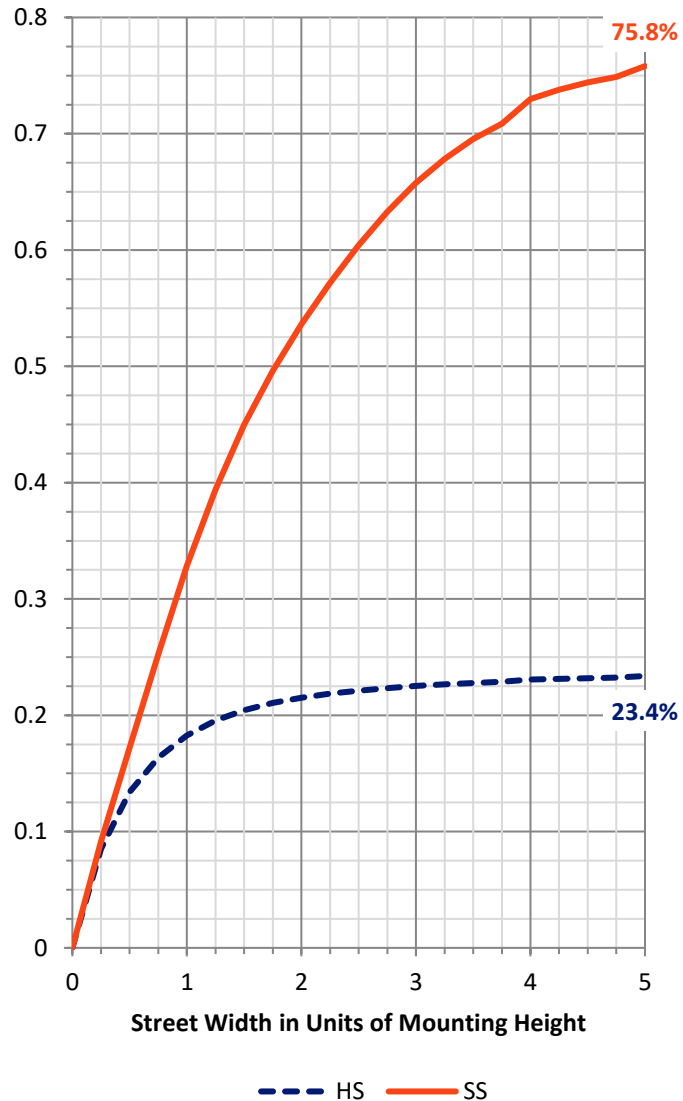
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9266.3	0.0	9266.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	29671.7	0.0	29671.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	38938.0	0.0	38938.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.3	1.3
10°-20°	1417.0	3.6
20°-30°	2379.6	6.1
30°-40°	3698.2	9.5
40°-50°	5489.1	14.1
50°-60°	7578.0	19.5
60°-70°	9193.9	23.6
70°-80°	7598.1	19.5
80°-90°	1092.8	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°	38938.0	100.0
0°-180°	38938.0	100.0

Coefficient of Utilization

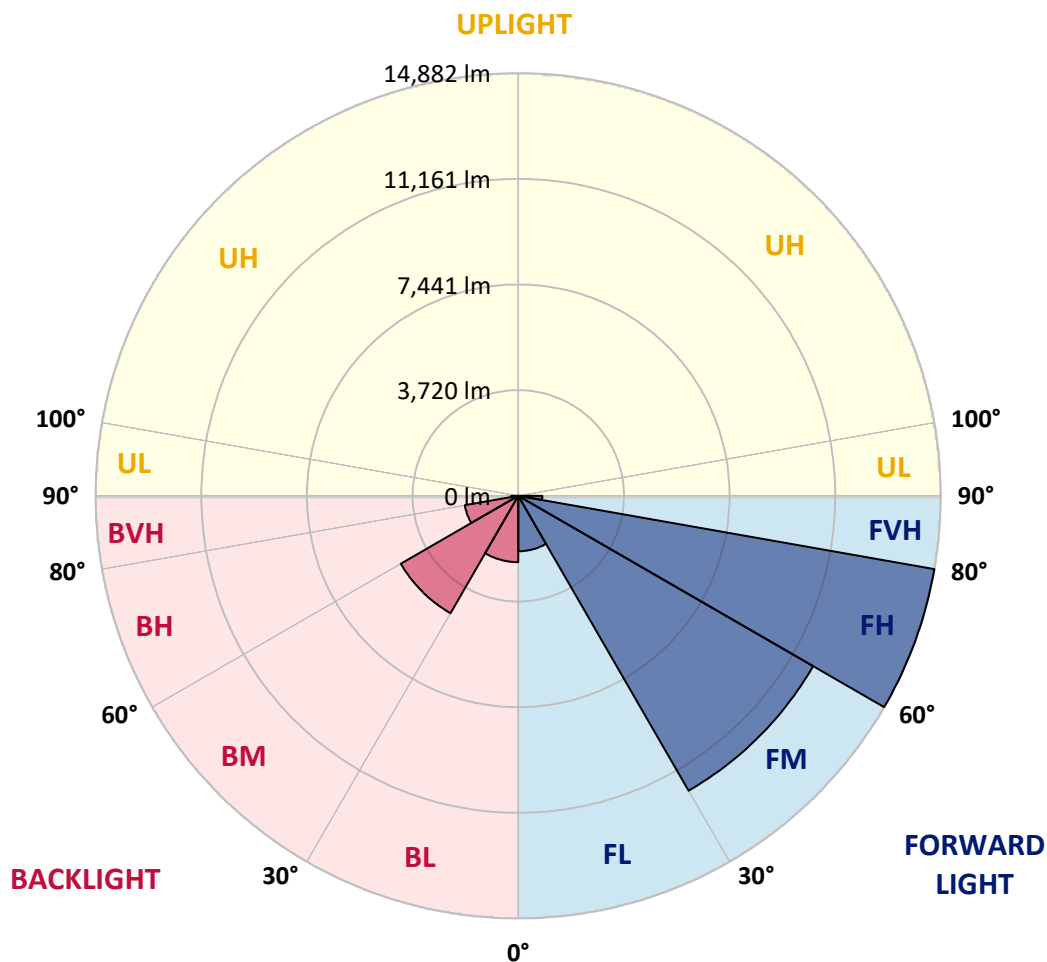


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1952.7	5.0			
FM (30°-60°)	11990.8	30.8			
FH (60°-80°)	14881.5	38.2			G5
FVH (80°-90°)	846.8	2.2			G5
BL (0°-30°)	2335.2	6.0	B3/2500		
BM (30°-60°)	4774.5	12.3	B3/5000		
BH (60°-80°)	1910.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	246.1	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5188.8	5188.8	5188.8	5188.8	5188.8	5188.8	5188.8	5188.8	5188.8	5188.8
2.5°	4784.6	4814.1	4826.7	4820.4	4852.0	4847.7	4892.0	4946.7	5022.5	5096.1
5°	4416.2	4447.8	4475.2	4500.4	4561.5	4580.4	4649.9	4755.1	4894.1	5035.1
7.5°	4073.1	4100.5	4142.6	4188.9	4292.0	4311.0	4426.8	4590.9	4784.6	4990.9
10°	3793.2	3820.5	3864.7	3917.3	4045.8	4068.9	4216.3	4435.2	4687.8	4948.8
12.5°	3673.2	3681.6	3706.9	3759.5	3871.0	3885.8	4047.9	4298.3	4593.0	4917.2
15°	3666.9	3683.7	3685.8	3713.2	3805.8	3812.1	3961.6	4209.9	4534.1	4910.9
17.5°	3730.0	3742.6	3723.7	3740.5	3818.4	3828.9	3946.8	4167.8	4515.2	4938.3
20°	3898.4	3908.9	3852.1	3828.9	3885.8	3894.2	4010.0	4195.2	4534.1	4995.1
22.5°	4256.3	4262.6	4123.6	4028.9	4033.1	4037.3	4138.4	4306.8	4607.8	5098.2
25°	4814.1	4809.9	4588.8	4405.7	4300.5	4277.3	4344.7	4487.8	4732.0	5235.1
27.5°	5466.6	5435.0	5214.0	4940.4	4710.9	4677.2	4662.5	4723.6	4908.8	5416.1
30°	6203.3	6173.9	5936.0	5578.2	5260.3	5205.6	5066.7	5035.1	5171.9	5662.4
32.5°	7011.7	6992.7	6708.5	6274.9	5849.7	5786.6	5552.9	5468.7	5576.1	6034.9
35°	7689.5	7672.6	7436.9	6990.6	6470.7	6392.8	6154.9	6060.2	6114.9	6512.8
37.5°	8302.0	8293.6	8091.5	7740.0	7203.2	7108.5	6841.2	6809.6	6799.1	7142.2
40°	8870.3	8849.3	8638.8	8453.6	8055.7	7969.4	7733.7	7706.3	7626.3	7916.8
42.5°	9499.7	9445.0	9139.8	9053.5	8946.1	8874.6	8733.5	8737.7	8560.9	8790.4
45°	10013.3	9981.8	9668.1	9617.6	9733.4	9703.9	9826.0	9857.6	9514.5	9706.0
47.5°	10564.8	10535.4	10270.2	10234.4	10548.0	10556.4	10987.9	10998.5	10444.9	10657.5
50°	11244.8	11202.7	10939.5	10983.7	11335.3	11366.8	12156.2	12084.6	11301.6	11623.6
52.5°	11693.1	11718.4	11661.5	11733.1	12213.0	12242.5	13305.5	13122.4	12149.9	12577.2
55°	12023.6	12074.1	12250.9	12415.1	13139.2	13168.7	14389.6	14109.6	12852.9	13461.3
57.5°	12448.8	12377.2	12707.7	13027.7	14019.1	14097.0	15444.2	15061.1	13476.0	14223.3
60°	13059.2	13008.7	13265.5	13739.1	15004.2	15128.4	16559.8	15917.8	13932.8	14827.4
62.5°	14297.0	14170.7	14210.7	14629.5	16246.2	16410.3	17818.6	16665.1	14160.1	15063.2
65°	16147.2	15930.4	15728.3	16018.8	17995.4	18157.5	19239.4	17252.3	14075.9	14606.4
67.5°	18477.4	18262.7	18014.3	18288.0	20571.9	20700.3	20992.9	17582.8	13412.9	12846.6
70°	20399.3	20319.3	20616.1	21742.2	24687.1	24691.3	23241.0	17309.2	11596.3	9108.2
72.5°	20144.6	20096.2	21660.1	25141.8	29873.7	29762.2	25369.1	15237.9	7811.5	4108.9
75°	16526.1	16839.8	19262.6	25080.7	31736.6	31721.9	24066.1	9687.1	3231.1	1702.9
77.5°	8861.9	9358.7	12505.6	18517.4	24775.5	25148.1	16919.8	3389.0	1387.2	1090.4
80°	2890.1	3323.7	4984.6	9428.2	16098.8	16029.3	7251.6	1330.3	949.3	772.5
82.5°	1227.2	1277.7	2227.1	4452.0	8262.0	8133.6	2309.2	764.1	667.3	528.3
85°	479.9	536.8	983.0	2058.7	3578.4	3500.6	833.6	378.9	427.3	345.2
87.5°	157.9	191.6	351.5	705.2	1113.5	1073.5	204.2	130.5	185.2	157.9
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°
5188.8	0°	5188.8	5188.8	5188.8	5188.8	5188.8	5188.8	5188.8	5188.8	5188.8	5188.8
5203.5	2.5°	5233.0	5266.6	5306.6	5365.6	5416.1	5458.2	5502.4	5529.8	5540.3	5571.9
5211.9	5°	5270.8	5344.5	5443.5	5540.3	5635.0	5691.8	5742.4	5767.6	5790.8	5807.6
5235.1	7.5°	5334.0	5428.7	5584.5	5710.8	5790.8	5837.1	5870.8	5862.3	5870.8	5875.0
5260.3	10°	5388.7	5521.3	5706.6	5826.6	5887.6	5889.7	5881.3	5851.8	5837.1	5839.2
5298.2	12.5°	5454.0	5601.3	5801.3	5902.3	5919.2	5872.9	5837.1	5786.6	5767.6	5759.2
5355.0	15°	5542.4	5710.8	5904.4	5942.3	5900.2	5841.3	5780.2	5698.2	5656.1	5622.4
5451.9	17.5°	5649.7	5835.0	5984.4	5957.1	5866.6	5769.7	5670.8	5546.6	5460.3	5424.5
5584.5	20°	5799.2	5965.5	6045.5	5925.5	5788.7	5641.3	5472.9	5321.4	5241.4	5205.6
5752.9	22.5°	5980.2	6140.2	6104.4	5870.8	5677.1	5441.3	5230.9	5119.3	5079.3	5054.0
5969.7	25°	6197.0	6333.9	6146.5	5790.8	5494.0	5176.1	5014.0	4978.3	4959.3	4940.4
6234.9	27.5°	6479.1	6552.8	6178.1	5672.9	5207.7	4894.1	4835.1	4841.4	4835.1	4803.5
6603.3	30°	6851.7	6836.9	6207.6	5481.3	4879.3	4639.4	4643.6	4670.9	4675.1	4654.1
7116.9	32.5°	7342.1	7192.7	6222.3	5233.0	4565.7	4416.2	4420.4	4449.9	4471.0	4435.2
7788.4	35°	7935.7	7607.4	6199.1	4921.4	4323.6	4203.6	4172.1	4180.5	4186.8	4153.1
8603.0	37.5°	8628.3	8072.6	6096.0	4576.2	4123.6	3995.2	3927.9	3871.0	3837.4	3805.8
9525.0	40°	9388.2	8579.9	5906.5	4239.4	3900.5	3774.2	3673.2	3565.8	3452.2	3410.1
10501.7	42.5°	10183.8	9101.9	5677.1	3917.3	3643.7	3540.6	3433.2	3277.4	3106.9	3020.6
11516.3	45°	11009.0	9636.6	5451.9	3599.5	3380.6	3336.4	3212.2	3024.8	2839.6	2730.1
12533.0	47.5°	11817.3	10141.7	5121.4	3279.5	3134.3	3182.7	3085.9	2913.3	2707.0	2534.4
13541.3	50°	12589.8	10615.4	4580.4	2955.4	2934.3	3136.4	3043.8	2795.4	2559.6	2338.6
14530.6	52.5°	13356.0	10998.5	3887.9	2660.7	2827.0	3123.8	2989.1	2715.4	2427.0	2195.5
15461.0	55°	14006.5	11196.3	3220.6	2408.1	2671.2	3016.4	2923.8	2620.7	2239.7	1993.4
16098.8	57.5°	14376.9	11036.4	2664.9	2159.7	2456.5	2839.6	2812.2	2418.6	2016.6	1827.1
16223.0	60°	14217.0	10388.0	2210.2	1942.9	2252.3	2648.1	2618.6	2218.6	1846.1	1667.1
15557.8	62.5°	13335.0	9152.4	1850.3	1753.4	2067.1	2452.3	2424.9	2065.0	1715.6	1542.9
13791.8	65°	11558.4	7445.3	1570.3	1595.6	1879.7	2216.5	2256.5	1936.6	1612.4	1444.0
10670.1	67.5°	8815.6	5392.9	1351.4	1458.7	1696.6	1985.0	2100.8	1844.0	1526.1	1366.1
6173.9	70°	5024.6	3062.7	1166.2	1326.1	1534.5	1770.3	1980.8	1770.3	1433.5	1300.9
2313.4	72.5°	1905.0	1406.1	1008.3	1193.5	1378.8	1589.3	1848.2	1654.5	1326.1	1227.2
1195.6	75°	1016.7	856.7	848.3	1037.8	1199.8	1412.4	1681.9	1540.8	1246.1	1296.7
827.3	77.5°	692.5	606.2	709.4	888.3	1004.1	1216.7	1505.1	1368.2	1079.8	1075.6
572.6	80°	479.9	429.4	576.8	715.7	776.7	1023.0	1313.5	1174.6	879.9	820.9
353.6	82.5°	288.4	280.0	431.5	534.7	549.4	789.4	1088.3	985.1	719.9	627.3
210.5	85°	157.9	166.3	275.8	313.6	320.0	551.5	852.5	762.0	553.6	465.2
75.8	87.5°	44.2	56.8	101.0	124.2	153.7	286.3	507.3	452.6	277.9	193.7
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>
5188.8
5569.8
5811.8
5881.3
5843.4
5755.0
5632.9
5426.6
5201.4
5058.2
4940.4
4809.9
4664.6
4452.0
4176.3
3826.8
3429.0
3031.2
2721.7
2515.4
2319.7
2170.2
1972.4
1801.9
1641.9
1515.6
1416.6
1340.9
1284.0
1210.4
1338.8
991.4
785.2
631.5
469.4
193.7
0.0

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