

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: P852713

Luminaire Tested: **GLAN-SB5D-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852713
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-SB5D-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42066 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

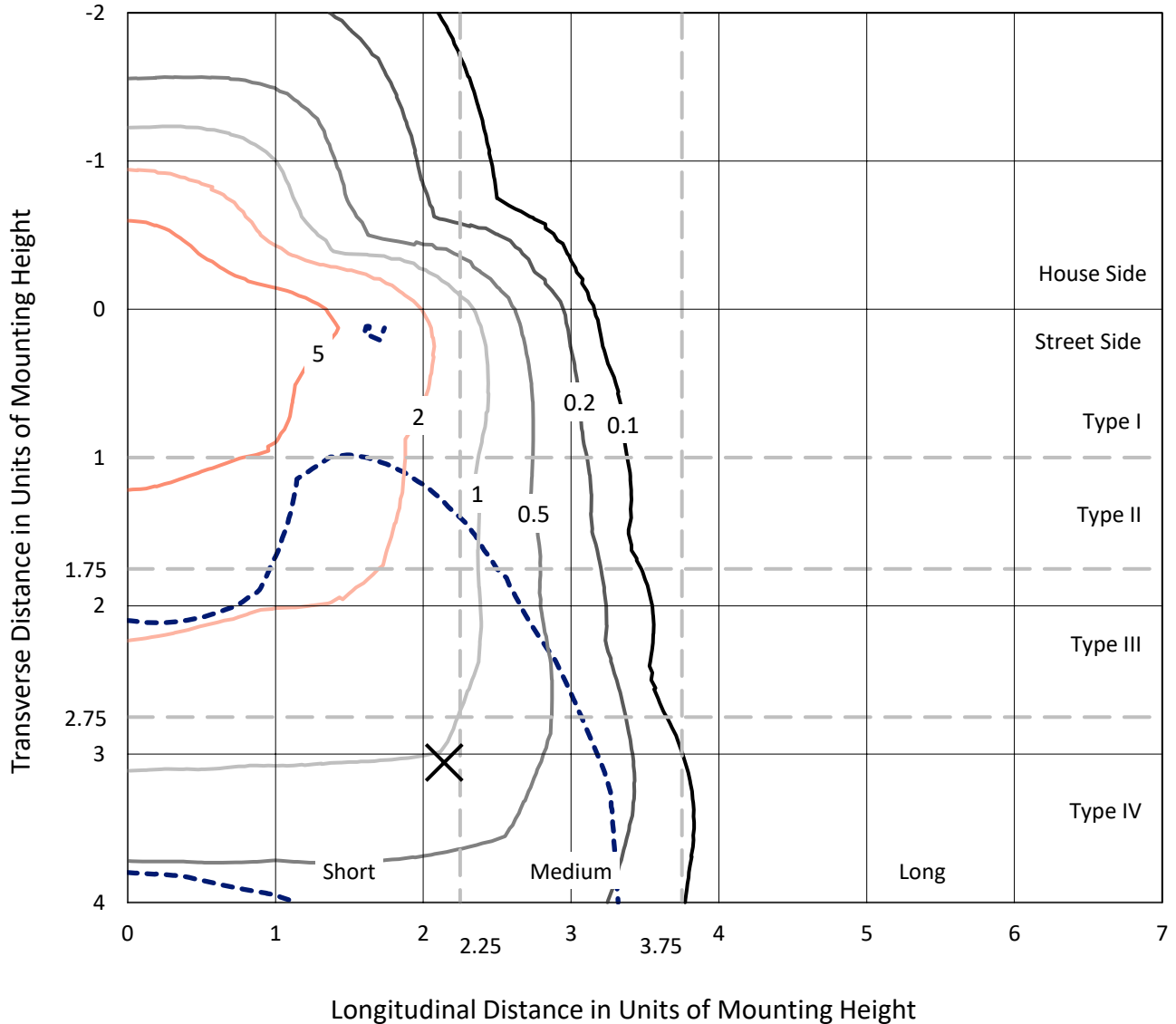
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

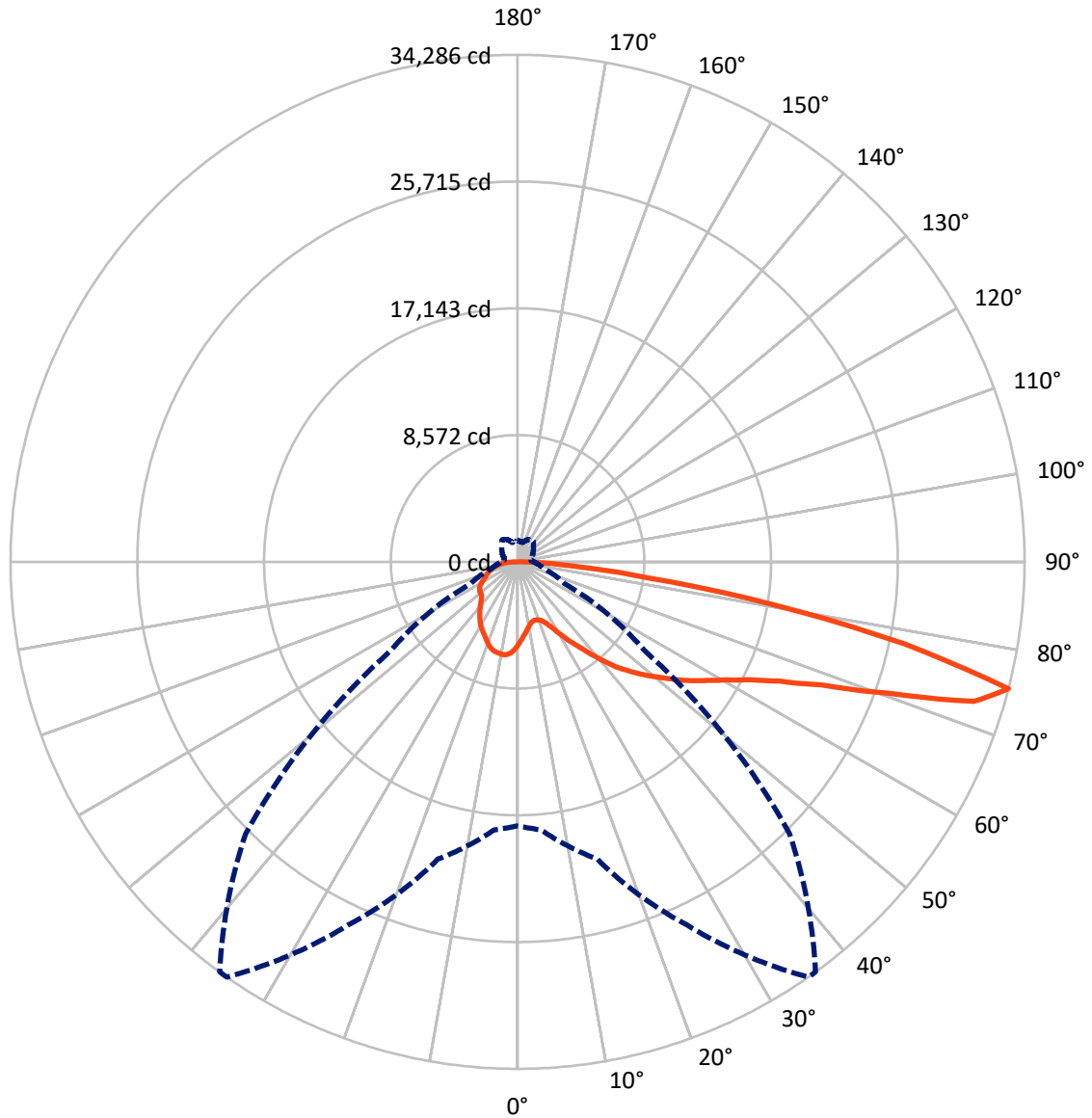
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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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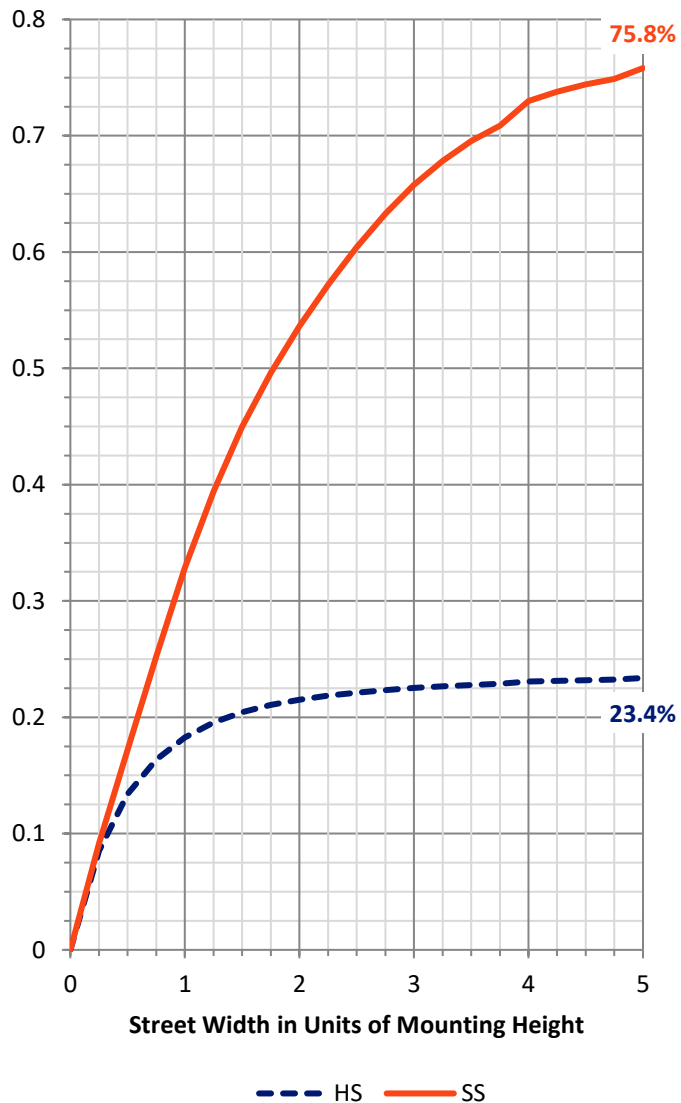
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10010.7	0.0	10010.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	32055.4	0.0	32055.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	42066.0	0.0	42066.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.7	1.3
10°-20°	1530.9	3.6
20°-30°	2570.7	6.1
30°-40°	3995.3	9.5
40°-50°	5930.1	14.1
50°-60°	8186.8	19.5
60°-70°	9932.5	23.6
70°-80°	8208.4	19.5
80°-90°	1180.6	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°	42066.0	100.0
0°-180°	42066.0	100.0

Coefficient of Utilization

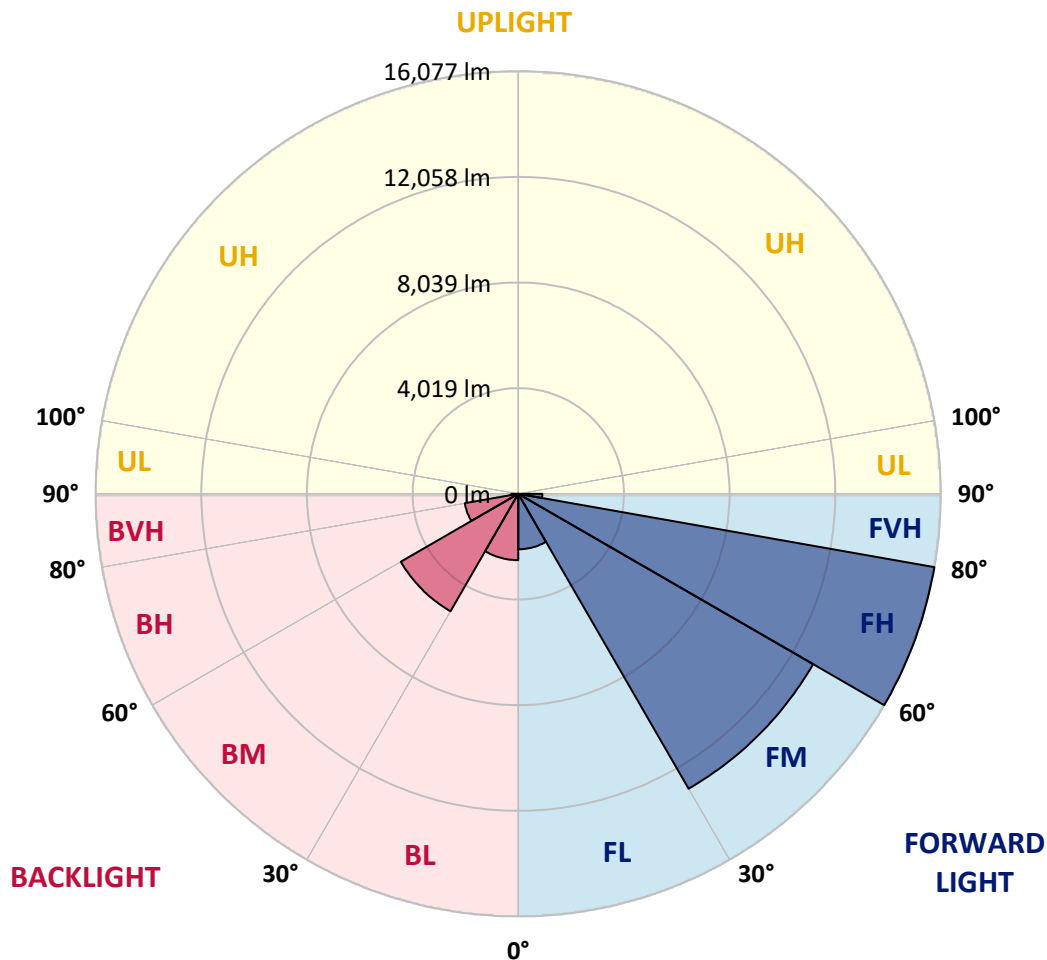


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2109.5	5.0			
FM (30°-60°)	12954.1	30.8			
FH (60°-80°)	16077.0	38.2			G5
FVH (80°-90°)	914.8	2.2			G5
BL (0°-30°)	2522.8	6.0	B4/5000		
BM (30°-60°)	5158.1	12.3	B4/8500		
BH (60°-80°)	2063.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	265.9	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°	5605.6	5605.6	5605.6	5605.6	5605.6	5605.6	5605.6	5605.6	5605.6	5605.6
2.5°	5169.0	5200.8	5214.4	5207.6	5241.7	5237.2	5284.9	5344.1	5425.9	5505.5
5°	4771.0	4805.1	4834.7	4862.0	4927.9	4948.4	5023.4	5137.1	5287.2	5439.6
7.5°	4400.3	4429.9	4475.4	4525.4	4636.8	4657.3	4782.4	4959.7	5169.0	5391.8
10°	4097.9	4127.4	4175.2	4232.0	4370.8	4395.8	4555.0	4791.5	5064.4	5346.3
12.5°	3968.2	3977.3	4004.6	4061.5	4182.0	4197.9	4373.0	4643.6	4962.0	5312.2
15°	3961.4	3979.6	3981.9	4011.5	4111.5	4118.3	4279.8	4548.1	4898.3	5305.4
17.5°	4029.6	4043.3	4022.8	4041.0	4125.2	4136.5	4263.9	4502.7	4877.9	5335.0
20°	4211.6	4222.9	4161.5	4136.5	4197.9	4207.0	4332.1	4532.2	4898.3	5396.4
22.5°	4598.2	4605.0	4454.9	4352.6	4357.1	4361.7	4470.8	4652.7	4977.9	5507.8
25°	5200.8	5196.2	4957.5	4759.6	4645.9	4620.9	4693.7	4848.3	5112.1	5655.6
27.5°	5905.8	5871.6	5632.9	5337.2	5089.4	5053.0	5037.1	5103.0	5303.1	5851.2
30°	6701.7	6669.8	6412.9	6026.3	5682.9	5623.8	5473.7	5439.6	5587.4	6117.2
32.5°	7574.9	7554.5	7247.5	6779.0	6319.6	6251.4	5999.0	5908.0	6024.0	6519.8
35°	8307.2	8289.0	8034.3	7552.2	6990.5	6906.3	6649.4	6547.0	6606.2	7036.0
37.5°	8968.9	8959.8	8741.5	8361.8	7781.9	7679.5	7390.7	7356.6	7345.2	7715.9
40°	9582.9	9560.2	9332.8	9132.7	8702.9	8609.6	8354.9	8325.4	8239.0	8552.8
42.5°	10262.9	10203.7	9874.0	9780.8	9664.8	9587.5	9435.1	9439.7	9248.6	9496.5
45°	10817.7	10783.6	10444.8	10390.2	10515.3	10483.5	10615.4	10649.5	10278.8	10485.7
47.5°	11413.6	11381.7	11095.2	11056.5	11395.4	11404.5	11870.6	11882.0	11283.9	11513.6
50°	12148.1	12102.6	11818.3	11866.1	12245.9	12280.0	13132.7	13055.4	12209.5	12557.4
52.5°	12632.5	12659.7	12598.3	12675.7	13194.1	13226.0	14374.4	14176.5	13125.9	13587.6
55°	12989.5	13044.1	13235.1	13412.5	14194.7	14226.6	15545.5	15243.1	13885.5	14542.7
57.5°	13448.8	13371.5	13728.6	14074.2	15145.3	15229.4	16684.8	16271.0	14558.6	15365.9
60°	14108.3	14053.7	14331.2	14842.8	16209.6	16343.7	17890.1	17196.5	15052.1	16018.5
62.5°	15445.5	15309.0	15352.2	15804.8	17551.3	17728.6	19250.0	18003.8	15297.7	16273.2
65°	17444.4	17210.2	16991.8	17305.7	19441.0	19616.1	20785.0	18638.3	15206.7	15779.8
67.5°	19961.8	19729.8	19461.5	19757.1	22224.5	22363.2	22679.3	18995.3	14490.4	13878.6
70°	22038.0	21951.6	22272.2	23488.9	26670.3	26674.8	25108.0	18699.7	12527.8	9839.9
72.5°	21762.8	21710.5	23400.2	27161.5	32273.6	32153.1	27407.1	16462.0	8439.1	4439.0
75°	17853.7	18192.5	20810.0	27095.5	34286.1	34270.2	25999.4	10465.3	3490.7	1839.7
77.5°	9573.8	10110.5	13510.2	20005.0	26765.8	27168.3	18279.0	3661.3	1498.6	1178.0
80°	3122.3	3590.8	5385.0	10185.6	17392.1	17317.0	7834.2	1437.2	1025.6	834.6
82.5°	1325.8	1380.4	2406.0	4809.7	8925.7	8787.0	2494.7	825.5	720.9	570.8
85°	518.5	579.9	1062.0	2224.0	3865.9	3781.8	900.5	409.3	461.6	372.9
87.5°	170.6	206.9	379.8	761.8	1203.0	1159.8	220.6	141.0	200.1	170.6
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°
5605.6	0°	5605.6	5605.6	5605.6	5605.6	5605.6	5605.6	5605.6	5605.6	5605.6	5605.6
5621.5	2.5°	5653.3	5689.7	5732.9	5796.6	5851.2	5896.7	5944.4	5974.0	5985.3	6019.5
5630.6	5°	5694.3	5773.9	5880.7	5985.3	6087.7	6149.1	6203.7	6230.9	6256.0	6274.2
5655.6	7.5°	5762.5	5864.8	6033.1	6169.5	6256.0	6306.0	6342.4	6333.3	6342.4	6346.9
5682.9	10°	5821.6	5964.9	6165.0	6294.6	6360.6	6362.8	6353.7	6321.9	6306.0	6308.3
5723.8	12.5°	5892.1	6051.3	6267.3	6376.5	6394.7	6344.7	6306.0	6251.4	6230.9	6221.9
5785.2	15°	5987.6	6169.5	6378.8	6419.7	6374.2	6310.5	6244.6	6155.9	6110.4	6074.0
5889.8	17.5°	6103.6	6303.7	6465.2	6435.6	6337.8	6233.2	6126.3	5992.2	5898.9	5860.3
6033.1	20°	6265.1	6444.7	6531.1	6401.5	6253.7	6094.5	5912.6	5748.8	5662.4	5623.8
6215.0	22.5°	6460.6	6633.5	6594.8	6342.4	6133.2	5878.5	5651.1	5530.5	5487.3	5460.0
6449.3	25°	6694.9	6842.7	6640.3	6256.0	5935.3	5591.9	5416.8	5378.2	5357.7	5337.2
6735.8	27.5°	6999.6	7079.2	6674.4	6128.6	5626.0	5287.2	5223.5	5230.4	5223.5	5189.4
7133.8	30°	7402.1	7386.2	6706.2	5921.7	5271.3	5012.0	5016.6	5046.2	5050.7	5028.0
7688.6	32.5°	7932.0	7770.5	6722.1	5653.3	4932.5	4771.0	4775.5	4807.4	4830.1	4791.5
8414.1	35°	8573.2	8218.5	6697.1	5316.8	4670.9	4541.3	4507.2	4516.3	4523.1	4486.7
9294.1	37.5°	9321.4	8721.1	6585.7	4943.8	4454.9	4316.2	4243.4	4182.0	4145.6	4111.5
10290.2	40°	10142.3	9269.1	6381.0	4580.0	4213.8	4077.4	3968.2	3852.3	3729.5	3684.0
11345.3	42.5°	11001.9	9833.1	6133.2	4232.0	3936.4	3825.0	3709.0	3540.7	3356.5	3263.3
12441.4	45°	11893.4	10410.7	5889.8	3888.7	3652.2	3604.4	3470.2	3267.8	3067.7	2949.5
13539.8	47.5°	12766.6	10956.5	5532.8	3543.0	3386.1	3438.4	3333.8	3147.3	2924.5	2738.0
14629.1	50°	13601.2	11468.1	4948.4	3192.8	3170.1	3388.4	3288.3	3020.0	2765.3	2526.5
15697.9	52.5°	14429.0	11882.0	4200.2	2874.4	3054.1	3374.7	3229.2	2933.5	2622.0	2371.9
16703.0	55°	15131.7	12095.8	3479.3	2601.5	2885.8	3258.7	3158.7	2831.2	2419.6	2153.5
17392.1	57.5°	15531.9	11922.9	2879.0	2333.2	2653.8	3067.7	3038.2	2612.9	2178.6	1973.9
17526.2	60°	15359.1	11222.5	2387.8	2099.0	2433.3	2860.8	2828.9	2396.9	1994.4	1801.1
16807.6	62.5°	14406.2	9887.7	1998.9	1894.3	2233.1	2649.3	2619.7	2230.9	1853.4	1666.9
14899.7	65°	12486.9	8043.4	1696.5	1723.7	2030.7	2394.6	2437.8	2092.1	1741.9	1560.0
11527.3	67.5°	9523.8	5826.2	1460.0	1575.9	1832.9	2144.4	2269.5	1992.1	1648.7	1475.9
6669.8	70°	5428.2	3308.8	1259.8	1432.7	1657.8	1912.5	2139.9	1912.5	1548.6	1405.4
2499.2	72.5°	2058.0	1519.1	1089.3	1289.4	1489.5	1716.9	1996.6	1787.4	1432.7	1325.8
1291.7	75°	1098.4	925.5	916.4	1121.1	1296.2	1525.9	1817.0	1664.6	1346.2	1400.8
893.7	77.5°	748.2	654.9	766.4	959.7	1084.7	1314.4	1626.0	1478.1	1166.6	1162.0
618.5	80°	518.5	463.9	623.1	773.2	839.1	1105.2	1419.0	1268.9	950.6	886.9
382.0	82.5°	311.5	302.5	466.2	577.6	593.5	852.8	1175.7	1064.3	777.7	677.7
227.4	85°	170.6	179.7	297.9	338.8	345.7	595.8	921.0	823.2	598.1	502.6
81.9	87.5°	47.8	61.4	109.2	134.2	166.0	309.3	548.1	488.9	300.2	209.2
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>
5605.6
6017.2
6278.7
6353.7
6312.8
6217.3
6085.4
5862.5
5619.2
5464.6
5337.2
5196.2
5039.3
4809.7
4511.8
4134.3
3704.5
3274.7
2940.4
2717.5
2506.0
2344.6
2130.8
1946.6
1773.8
1637.3
1530.4
1448.6
1387.2
1307.6
1446.3
1071.1
848.2
682.2
507.1
209.2
0.0

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