

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: P853039

Luminaire Tested: **GLAN-SB8B-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853039
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-SB8B-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43473 lumens
Efficiency: N/A
Efficacy: 148.5 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

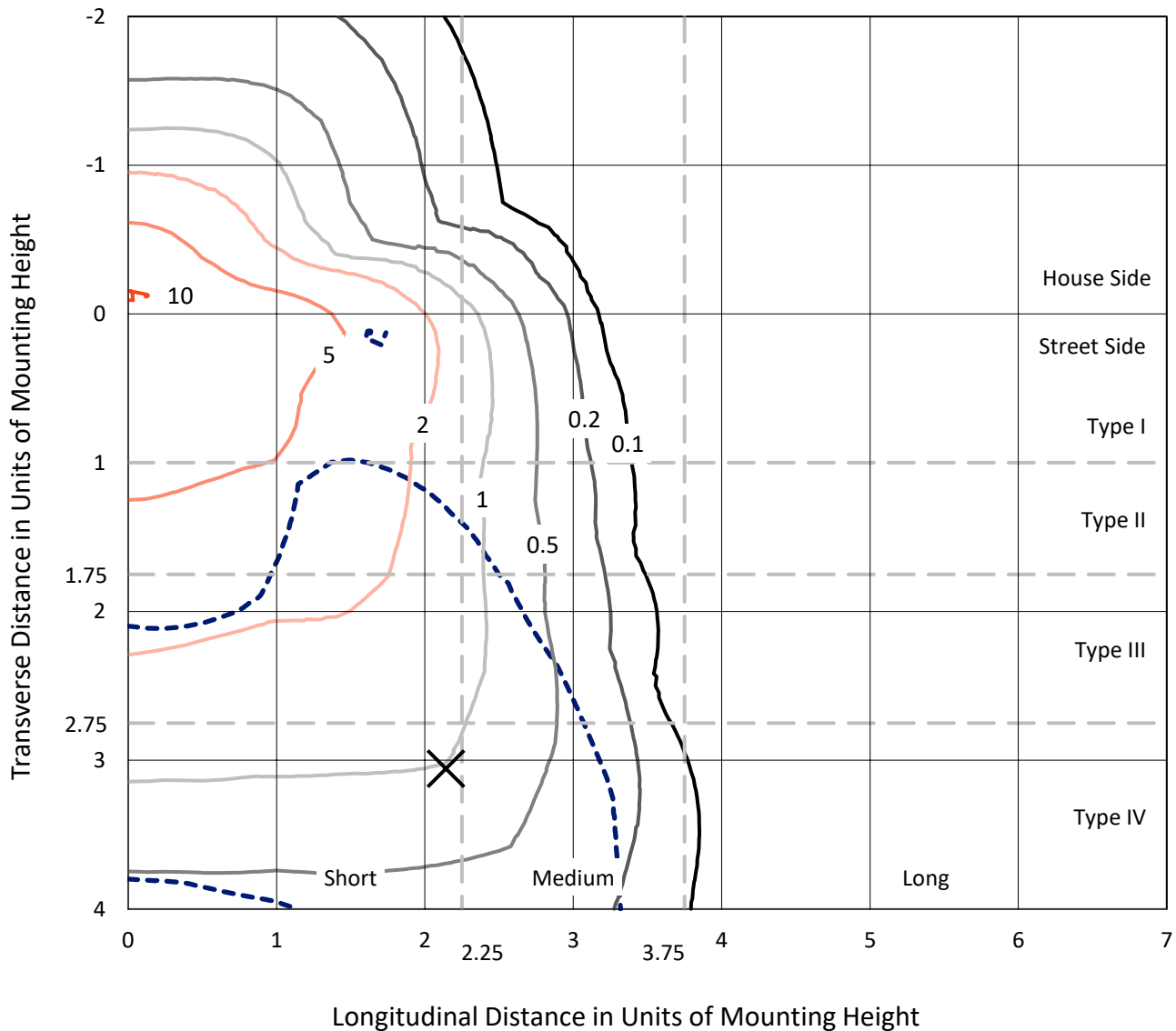
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

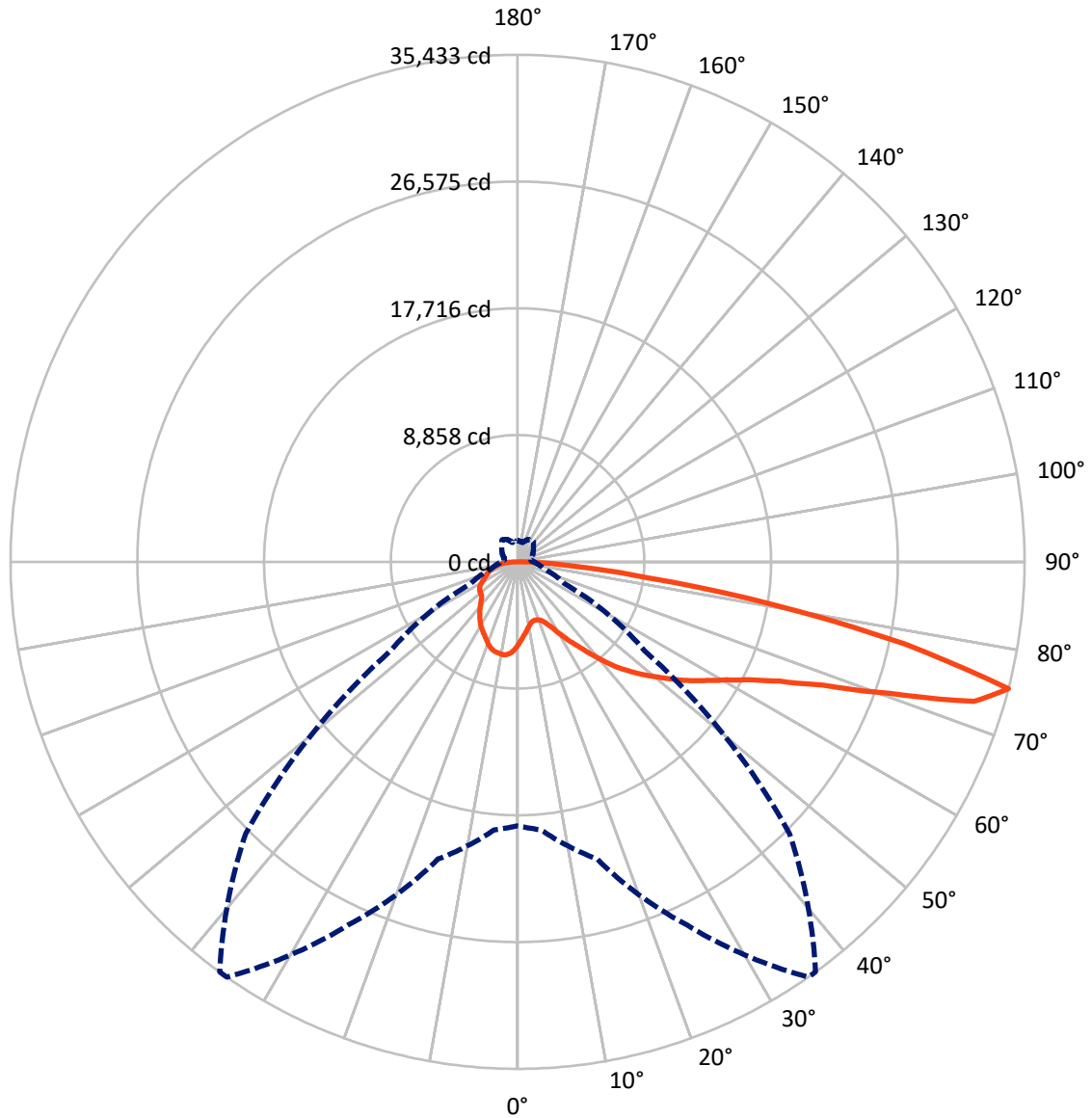
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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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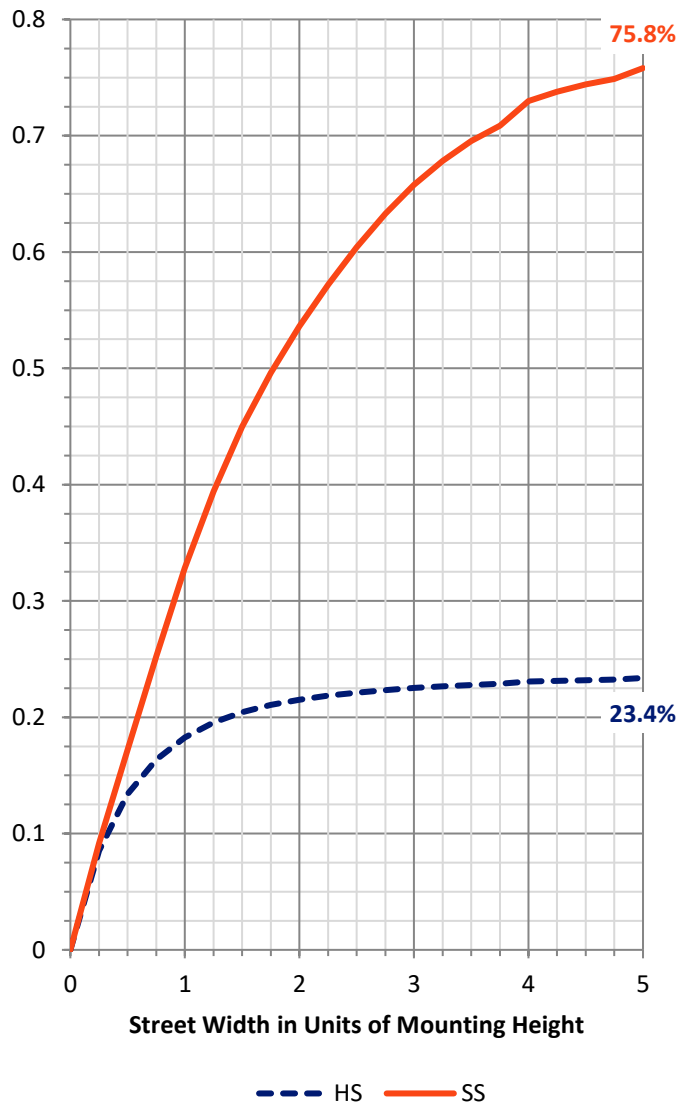
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10345.5	0.0	10345.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	33127.5	0.0	33127.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	43473.0	0.0	43473.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.5	1.3
10°-20°	1582.1	3.6
20°-30°	2656.7	6.1
30°-40°	4128.9	9.5
40°-50°	6128.4	14.1
50°-60°	8460.6	19.5
60°-70°	10264.7	23.6
70°-80°	8483.0	19.5
80°-90°	1220.1	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°	43473.0	100.0
0°-180°	43473.0	100.0

Coefficient of Utilization

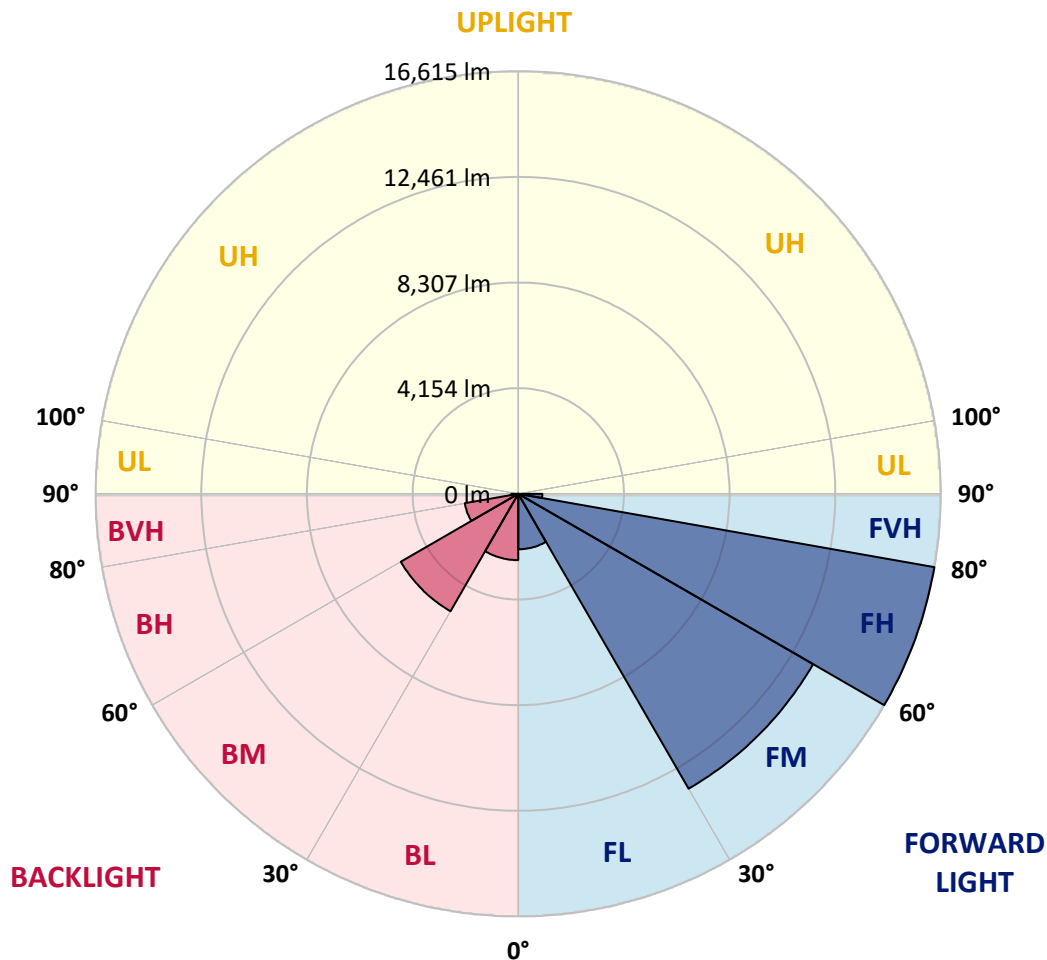


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2180.1	5.0			
FM (30°-60°)	13387.3	30.8			
FH (60°-80°)	16614.7	38.2			G5
FVH (80°-90°)	945.4	2.2			G5
BL (0°-30°)	2607.2	6.0	B4/5000		
BM (30°-60°)	5330.6	12.3	B4/8500		
BH (60°-80°)	2132.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	274.7	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°	5793.1	5793.1	5793.1	5793.1	5793.1	5793.1	5793.1	5793.1	5793.1	5793.1
2.5°	5341.8	5374.7	5388.8	5381.8	5417.1	5412.4	5461.7	5522.8	5607.4	5689.7
5°	4930.6	4965.8	4996.4	5024.6	5092.7	5113.9	5191.4	5308.9	5464.1	5621.5
7.5°	4547.5	4578.1	4625.1	4676.8	4791.9	4813.1	4942.3	5125.6	5341.8	5572.2
10°	4234.9	4265.5	4314.8	4373.6	4517.0	4542.8	4707.3	4951.7	5233.7	5525.2
12.5°	4101.0	4110.4	4138.6	4197.3	4321.9	4338.3	4519.3	4799.0	5128.0	5489.9
15°	4093.9	4112.7	4115.1	4145.6	4249.0	4256.1	4422.9	4700.3	5062.2	5482.9
17.5°	4164.4	4178.5	4157.4	4176.2	4263.1	4274.9	4406.5	4653.3	5041.0	5513.4
20°	4352.4	4364.2	4300.7	4274.9	4338.3	4347.7	4477.0	4683.8	5062.2	5576.9
22.5°	4752.0	4759.0	4603.9	4498.1	4502.8	4507.6	4620.4	4808.4	5144.4	5692.0
25°	5374.7	5370.0	5123.3	4918.8	4801.3	4775.5	4850.7	5010.5	5283.1	5844.8
27.5°	6103.3	6068.0	5821.3	5515.8	5259.6	5222.0	5205.5	5273.7	5480.5	6046.9
30°	6925.8	6892.9	6627.4	6227.8	5873.0	5811.9	5656.8	5621.5	5774.3	6321.9
32.5°	7828.3	7807.1	7489.9	7005.7	6531.0	6460.5	6199.6	6105.6	6225.5	6737.8
35°	8585.0	8566.2	8303.0	7804.8	7224.3	7137.3	6871.8	6766.0	6827.1	7271.3
37.5°	9268.9	9259.5	9033.9	8641.4	8042.1	7936.4	7637.9	7602.7	7590.9	7974.0
40°	9903.4	9879.9	9644.9	9438.1	8993.9	8897.6	8634.4	8603.8	8514.5	8838.8
42.5°	10606.1	10545.0	10204.3	10107.9	9988.1	9908.1	9750.7	9755.4	9558.0	9814.1
45°	11179.6	11144.3	10794.1	10737.7	10867.0	10834.1	10970.4	11005.7	10622.6	10836.5
47.5°	11795.3	11762.4	11466.3	11426.3	11776.5	11785.9	12267.7	12279.4	11661.3	11898.7
50°	12554.4	12507.4	12213.6	12263.0	12655.5	12690.7	13572.0	13492.1	12617.8	12977.4
52.5°	13055.0	13083.2	13019.7	13099.6	13635.5	13668.4	14855.2	14650.7	13565.0	14042.0
55°	13423.9	13480.3	13677.8	13861.1	14669.5	14702.4	16065.5	15752.9	14349.9	15029.1
57.5°	13898.7	13818.8	14187.7	14545.0	15651.9	15738.8	17242.9	16815.2	15045.5	15879.8
60°	14580.2	14523.8	14810.5	15339.3	16751.7	16890.4	18488.5	17771.7	15555.5	16554.3
62.5°	15962.1	15821.1	15865.7	16333.4	18138.3	18321.6	19893.9	18606.0	15809.3	16817.5
65°	18027.8	17785.8	17560.2	17884.5	20091.3	20272.2	21480.2	19261.7	15715.3	16307.6
67.5°	20629.4	20389.7	20112.4	20417.9	22967.8	23111.2	23437.9	19630.6	14975.0	14342.8
70°	22775.1	22685.8	23017.2	24274.5	27562.3	27567.0	25947.8	19325.1	12946.9	10169.0
72.5°	22490.7	22436.7	24182.8	28070.0	33353.1	33228.5	28323.8	17012.6	8721.3	4587.5
75°	18450.9	18801.0	21506.0	28001.8	35432.9	35416.5	26869.0	10815.3	3607.5	1901.3
77.5°	9894.0	10448.7	13962.1	20674.1	27661.0	28077.0	18890.3	3783.7	1548.7	1217.4
80°	3226.7	3710.9	5565.1	10526.2	17973.8	17896.2	8096.2	1485.3	1059.9	862.5
82.5°	1370.1	1426.5	2486.4	4970.5	9224.3	9080.9	2578.1	853.1	745.0	589.9
85°	535.8	599.3	1097.5	2298.4	3995.2	3908.3	930.7	423.0	477.1	385.4
87.5°	176.3	213.9	392.5	787.3	1243.2	1198.6	228.0	145.7	206.8	176.3
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°
5793.1	0°	5793.1	5793.1	5793.1	5793.1	5793.1	5793.1	5793.1	5793.1	5793.1	5793.1
5809.5	2.5°	5842.4	5880.0	5924.7	5990.5	6046.9	6093.9	6143.2	6173.8	6185.5	6220.8
5818.9	5°	5884.7	5967.0	6077.4	6185.5	6291.3	6354.8	6411.2	6439.4	6465.2	6484.0
5844.8	7.5°	5955.2	6061.0	6234.9	6375.9	6465.2	6516.9	6554.5	6545.1	6554.5	6559.2
5873.0	10°	6016.3	6164.4	6371.2	6505.2	6573.3	6575.7	6566.3	6533.4	6516.9	6519.3
5915.3	12.5°	6089.2	6253.7	6477.0	6589.8	6608.6	6556.9	6516.9	6460.5	6439.4	6430.0
5978.7	15°	6187.9	6375.9	6592.1	6634.4	6587.4	6521.6	6453.5	6361.8	6314.8	6277.2
6086.8	17.5°	6307.7	6514.6	6681.4	6650.9	6549.8	6441.7	6331.3	6192.6	6096.2	6056.3
6234.9	20°	6474.6	6660.3	6749.6	6615.6	6462.9	6298.3	6110.3	5941.1	5851.8	5811.9
6422.9	22.5°	6676.7	6855.3	6815.4	6554.5	6338.3	6075.1	5840.1	5715.5	5670.9	5642.7
6665.0	25°	6918.8	7071.5	6862.4	6465.2	6133.8	5779.0	5598.0	5558.1	5536.9	5515.8
6961.1	27.5°	7233.7	7316.0	6897.6	6333.6	5814.2	5464.1	5398.2	5405.3	5398.2	5363.0
7372.4	30°	7649.7	7633.2	6930.5	6119.7	5447.6	5179.7	5184.4	5214.9	5219.6	5196.1
7945.8	32.5°	8197.3	8030.4	6947.0	5842.4	5097.4	4930.6	4935.3	4968.2	4991.7	4951.7
8695.5	35°	8860.0	8493.4	6921.1	5494.6	4827.2	4693.2	4658.0	4667.4	4674.4	4636.8
9605.0	37.5°	9633.2	9012.7	6806.0	5109.2	4603.9	4460.5	4385.3	4321.9	4284.3	4249.0
10634.3	40°	10481.6	9579.1	6594.5	4733.2	4354.8	4213.8	4101.0	3981.1	3854.2	3807.2
11724.8	42.5°	11369.9	10162.0	6338.3	4373.6	4068.1	3952.9	3833.1	3659.2	3468.8	3372.4
12857.6	45°	12291.2	10758.9	6086.8	4018.7	3774.3	3725.0	3586.3	3377.1	3170.3	3048.1
13992.7	47.5°	13193.6	11322.9	5717.9	3661.5	3499.3	3553.4	3445.3	3252.6	3022.3	2829.6
15118.4	50°	14056.1	11851.7	5113.9	3299.6	3276.1	3501.7	3398.3	3121.0	2857.8	2611.0
16222.9	52.5°	14911.6	12279.4	4340.7	2970.6	3156.2	3487.6	3337.2	3031.7	2709.7	2451.2
17261.7	55°	15637.8	12500.3	3595.7	2688.5	2982.3	3367.7	3264.3	2925.9	2500.5	2225.6
17973.8	57.5°	16051.4	12321.7	2975.3	2411.2	2742.6	3170.3	3139.8	2700.3	2251.4	2039.9
18112.5	60°	15872.8	11597.9	2467.6	2169.2	2514.6	2956.5	2923.6	2477.0	2061.1	1861.3
17369.8	62.5°	14888.1	10218.4	2065.8	1957.7	2307.8	2737.9	2707.4	2305.5	1915.4	1722.6
15398.1	65°	12904.6	8312.4	1753.2	1781.4	2098.7	2474.7	2519.3	2162.1	1800.2	1612.2
11912.8	67.5°	9842.3	6021.0	1508.8	1628.6	1894.2	2216.2	2345.4	2058.7	1703.8	1525.2
6892.9	70°	5609.8	3419.4	1302.0	1480.6	1713.2	1976.5	2211.5	1976.5	1600.4	1452.4
2582.8	72.5°	2126.9	1569.9	1125.7	1332.5	1539.3	1774.3	2063.4	1847.2	1480.6	1370.1
1334.9	75°	1135.1	956.5	947.1	1158.6	1339.6	1576.9	1877.8	1720.3	1391.3	1447.7
923.6	77.5°	773.2	676.8	792.0	991.8	1121.0	1358.4	1680.3	1527.6	1205.6	1200.9
639.2	80°	535.8	479.4	643.9	799.0	867.2	1142.2	1466.5	1311.4	982.4	916.6
394.8	82.5°	322.0	312.6	481.8	596.9	613.4	881.3	1215.0	1099.9	803.7	700.3
235.0	85°	176.3	185.7	307.9	350.2	357.2	615.7	951.8	850.7	618.1	519.4
84.6	87.5°	49.4	63.5	112.8	138.7	171.6	319.6	566.4	505.3	310.2	216.2
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>
5793.1
6218.4
6488.7
6566.3
6524.0
6425.3
6288.9
6058.6
5807.2
5647.4
5515.8
5370.0
5207.9
4970.5
4662.7
4272.5
3828.4
3384.2
3038.7
2808.4
2589.8
2423.0
2202.1
2011.7
1833.1
1692.1
1581.6
1497.0
1433.6
1351.3
1494.7
1106.9
876.6
705.0
524.1
216.2
0.0

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