

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: P853072

Luminaire Tested: **GLAN-SB8C-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44291 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

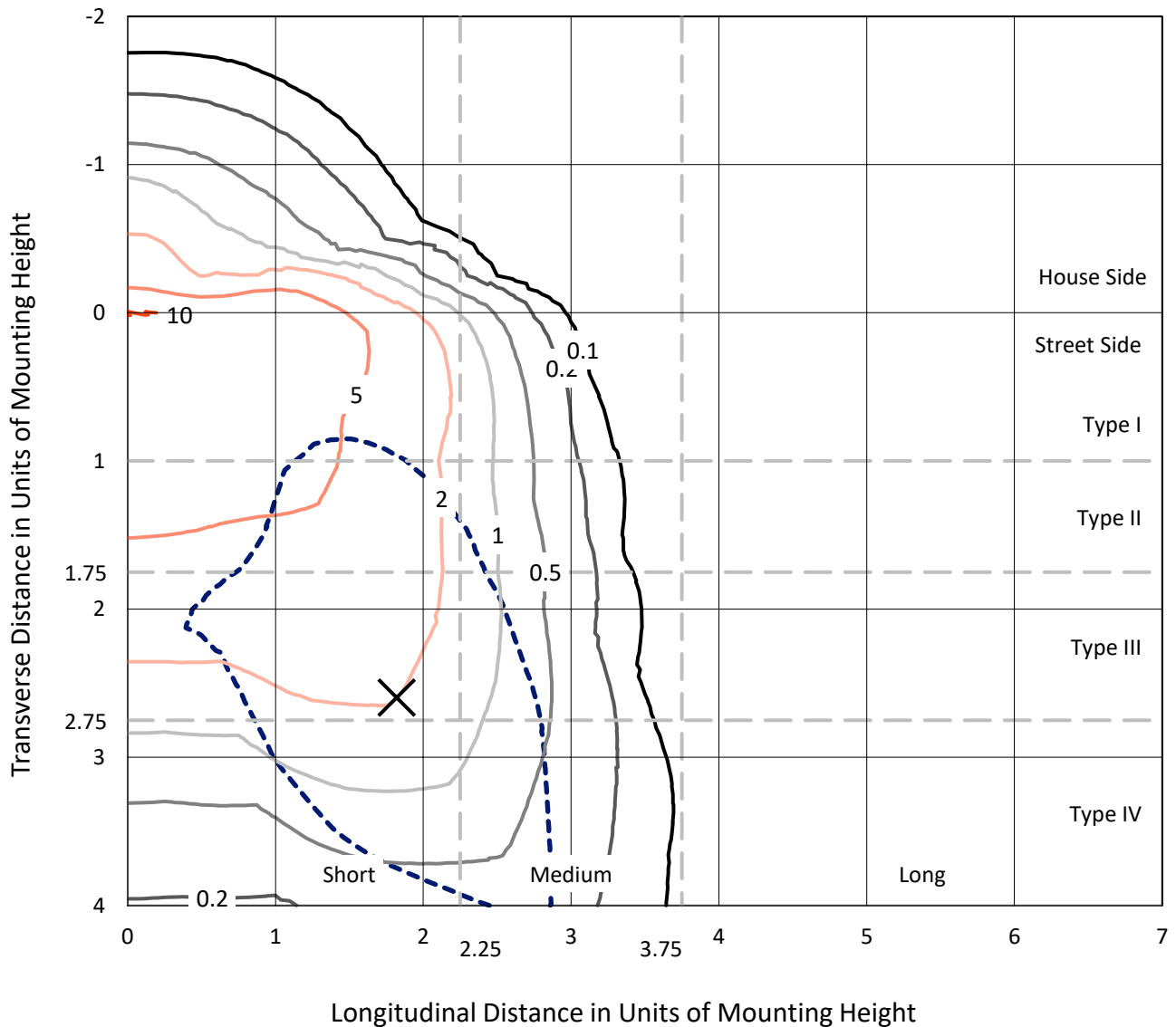
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

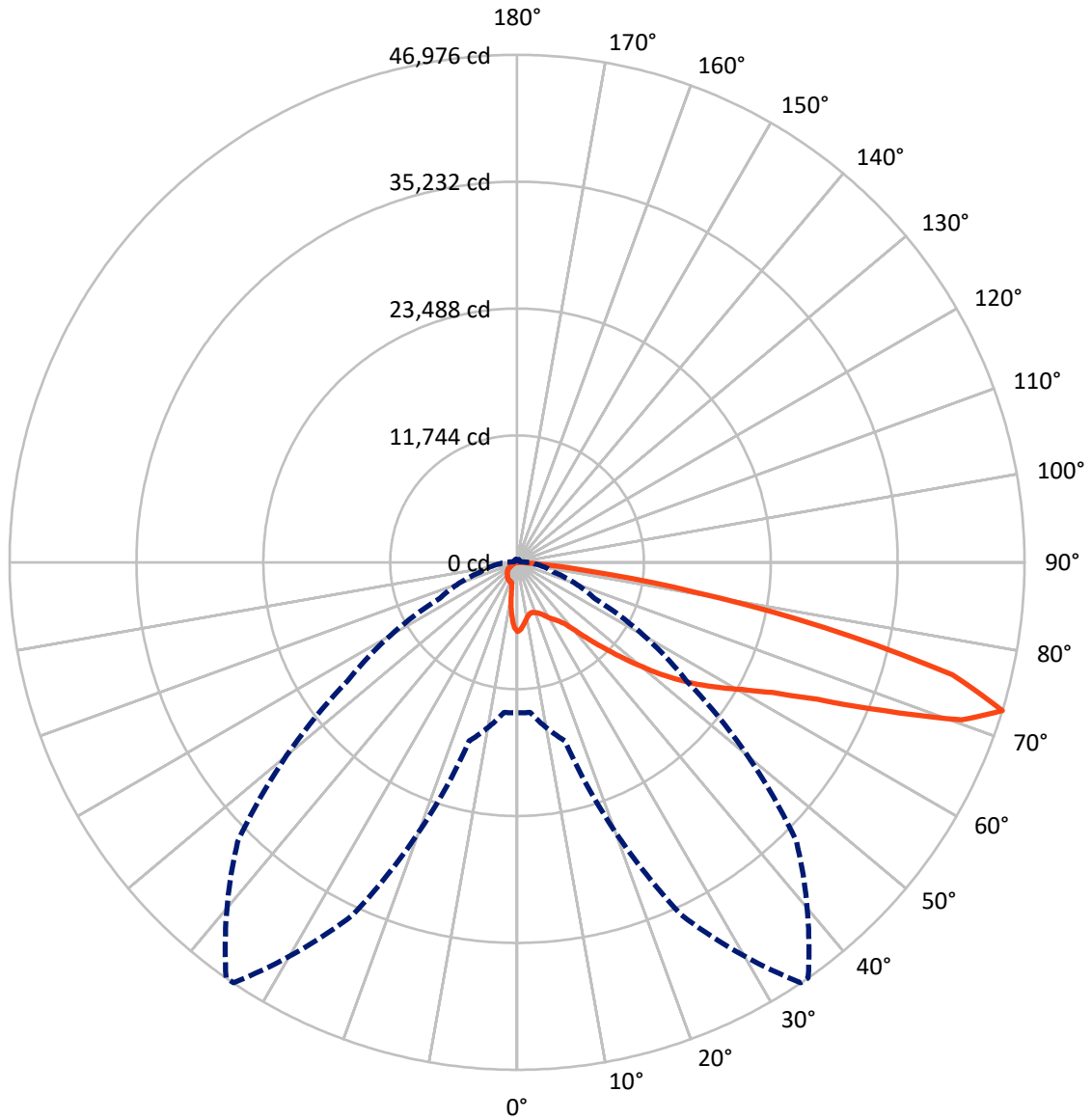
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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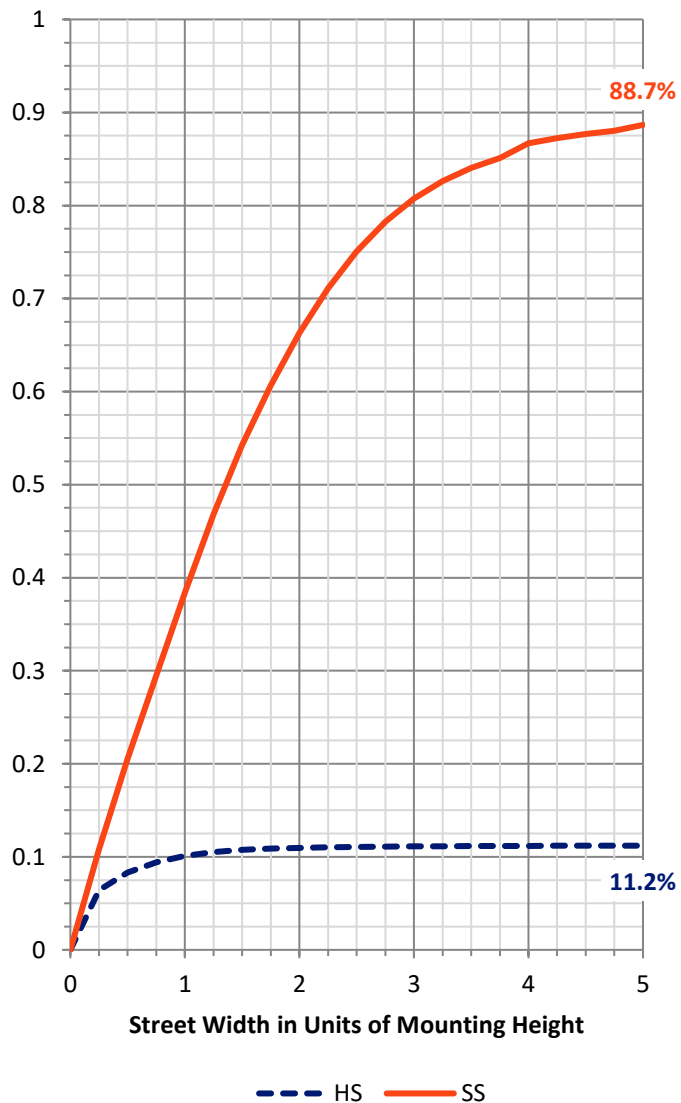
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4984.7	0.0	4984.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	39306.3	0.0	39306.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	44291.0	0.0	44291.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.5	1.2
10°-20°	1234.0	2.8
20°-30°	2004.6	4.5
30°-40°	3344.7	7.6
40°-50°	6328.2	14.3
50°-60°	10055.5	22.7
60°-70°	12439.3	28.1
70°-80°	7732.4	17.5
80°-90°	624.9	1.4
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°	44291.0	100.0
0°-180°	44291.0	100.0

Coefficient of Utilization

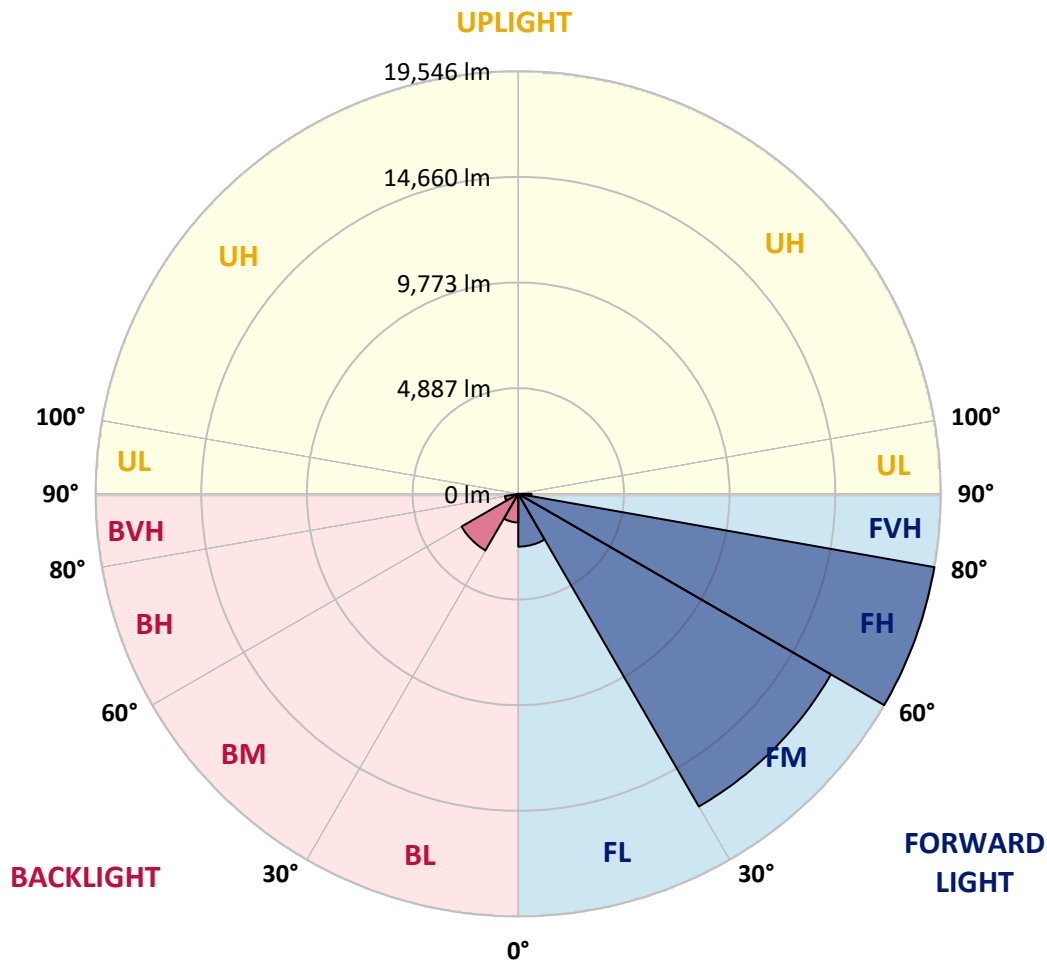


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2441.6	5.5			
FM (30°-60°)	16702.1	37.7			
FH (60°-80°)	19546.2	44.1			G5
FVH (80°-90°)	616.4	1.4			G4/750
BL (0°-30°)	1324.5	3.0	B3/2500		
BM (30°-60°)	3026.2	6.8	B3/5000		
BH (60°-80°)	625.5	1.4	B2/1000		G2/1000
BVH (80°-90°)	8.5	0.0			G0/10
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°	34°	35°	45°	55°	65°	75°
0°	6419.3	6419.3	6419.3	6419.3	6419.3	6419.3	6419.3	6419.3	6419.3	6419.3
2.5°	6133.7	6185.6	6195.3	6211.6	6211.6	6231.0	6263.5	6308.9	6383.6	6422.5
5°	5653.4	5692.3	5741.0	5779.9	5854.6	5864.3	5990.9	6114.2	6286.2	6416.0
7.5°	5169.8	5215.2	5280.1	5374.3	5471.6	5500.8	5692.3	5900.0	6172.6	6416.0
10°	4829.0	4832.3	4890.7	4984.8	5140.6	5176.3	5410.0	5705.3	6046.0	6377.1
12.5°	4637.6	4660.3	4686.2	4757.6	4906.9	4929.6	5179.5	5526.8	5919.5	6354.3
15°	4637.6	4653.8	4670.0	4705.7	4825.8	4845.3	5066.0	5413.2	5854.6	6364.1
17.5°	4686.2	4712.2	4699.2	4741.4	4868.0	4881.0	5075.7	5380.7	5851.3	6425.7
20°	4803.1	4822.6	4796.6	4822.6	4949.1	4975.1	5176.3	5442.4	5906.5	6532.8
22.5°	4988.1	4997.8	4936.1	4955.6	5085.4	5117.9	5351.5	5617.7	6039.5	6704.8
25°	5221.7	5241.2	5147.1	5169.8	5293.1	5332.1	5601.4	5880.5	6250.5	6941.7
27.5°	5491.1	5500.8	5419.7	5416.4	5575.5	5630.6	5903.2	6205.1	6532.8	7240.3
30°	5799.4	5828.6	5750.7	5737.7	5938.9	5984.4	6253.7	6604.2	6948.2	7688.2
32.5°	6042.8	6065.5	6020.1	6052.5	6257.0	6292.7	6678.9	7168.9	7600.5	8324.3
35°	6393.3	6406.3	6302.4	6360.8	6594.5	6685.4	7259.8	7960.8	8421.6	9122.6
37.5°	7662.2	7662.2	7220.8	6932.0	7155.9	7237.1	8054.9	8957.1	9434.2	10193.6
40°	9417.9	9388.7	8742.9	8152.3	8123.0	8282.1	9187.5	10213.0	10742.0	11478.7
42.5°	11290.5	11245.0	10365.6	9781.4	9684.0	9739.2	10495.4	11761.1	12299.8	13046.2
45°	12952.1	12939.1	12134.3	11348.9	11173.7	11348.9	12127.8	13571.9	13958.1	14743.5
47.5°	14344.3	14344.3	13756.9	13244.2	13153.3	13257.1	14337.8	15580.8	15545.1	16551.2
50°	15947.5	15934.5	15376.3	15155.7	15249.8	15395.8	16882.2	17696.8	17187.2	18326.3
52.5°	17070.4	17148.3	16956.8	16921.1	17401.4	17654.6	19465.5	19767.3	18657.4	20010.7
55°	17959.6	18050.5	18271.2	18521.1	19446.0	19777.0	21967.6	21730.7	19887.3	21471.1
57.5°	19218.8	19089.0	19429.8	19923.0	21419.1	21818.3	24391.9	23583.8	20877.2	22655.6
60°	20747.4	20766.8	20825.2	21448.3	23389.1	23901.8	26780.4	25336.2	21513.3	23382.6
62.5°	22584.2	22613.4	22733.5	23690.9	26034.0	26517.5	29324.7	26770.7	21805.3	23178.1
65°	22457.6	22581.0	23921.3	27195.8	30054.9	30532.0	32294.2	27776.7	21364.0	21308.8
67.5°	20458.5	20659.7	22902.3	31382.3	36117.2	36649.4	35883.5	27974.7	19459.0	16570.6
70°	17836.3	17907.7	20604.6	35146.9	43136.8	43675.6	39096.4	25797.1	14766.2	9242.7
72.5°	13928.9	13945.2	17109.3	36019.9	46946.9	46976.1	36574.8	19150.7	7941.3	3550.4
75°	9950.2	9852.8	11459.2	29211.2	41303.2	41634.3	27419.7	8983.1	3034.4	1677.8
77.5°	5335.3	5442.4	6484.2	17323.5	28532.9	29097.6	14960.9	2589.8	1544.8	1142.4
80°	1648.6	1739.5	2657.9	7931.6	16161.7	16502.5	5546.3	1152.1	1077.4	814.6
82.5°	519.3	538.7	1239.7	3332.9	6708.1	6863.9	1606.4	652.3	736.7	538.7
85°	149.3	152.5	551.7	1243.0	1658.4	1690.8	451.1	253.1	421.9	334.3
87.5°	16.2	51.9	207.7	207.7	146.0	142.8	48.7	55.2	120.1	42.2
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°
6419.3	0°	6419.3	6419.3	6419.3	6419.3	6419.3	6419.3	6419.3	6419.3	6419.3	6419.3
6448.5	2.5°	6432.2	6435.5	6393.3	6321.9	6244.0	6179.1	6098.0	6033.1	5987.6	5974.6
6506.9	5°	6477.7	6454.9	6334.9	6117.4	5857.8	5633.9	5384.0	5186.0	5056.2	5001.0
6568.5	7.5°	6545.8	6480.9	6218.0	5789.7	5293.1	4851.8	4403.9	4056.7	3836.0	3725.6
6627.0	10°	6604.2	6474.4	6023.3	5315.8	4556.4	3887.9	3284.3	2865.6	2632.0	2521.6
6695.1	12.5°	6659.4	6471.2	5770.2	4754.4	3725.6	2907.8	2346.4	2138.7	2073.8	2051.0
6805.4	15°	6763.3	6480.9	5452.1	4111.8	2898.1	2197.1	1992.6	1989.4	2002.4	1995.9
6974.2	17.5°	6906.0	6490.6	5091.9	3430.3	2236.0	1937.5	1927.7	1956.9	1976.4	1966.7
7185.1	20°	7091.0	6529.6	4709.0	2755.3	1921.2	1872.6	1895.3	1921.2	1937.5	1921.2
7467.5	22.5°	7350.7	6597.7	4290.3	2213.3	1820.6	1833.6	1853.1	1882.3	1898.5	1875.8
7827.7	25°	7668.7	6704.8	3878.2	1924.5	1771.9	1788.2	1817.4	1849.8	1869.3	1846.6
8282.1	27.5°	8080.9	6876.8	3498.5	1859.6	1723.3	1733.0	1775.2	1823.9	1849.8	1820.6
8927.9	30°	8678.0	7159.2	3170.7	1888.8	1694.1	1671.3	1729.8	1797.9	1827.1	1801.2
9807.4	32.5°	9469.9	7558.4	2969.5	1934.2	1681.1	1599.9	1655.1	1742.7	1791.4	1775.2
10956.2	35°	10508.4	8165.2	2891.6	1986.1	1671.3	1525.3	1564.2	1658.4	1742.7	1759.0
12403.6	37.5°	11767.5	9009.0	2914.3	2008.9	1642.1	1463.6	1483.1	1564.2	1674.6	1726.5
14032.8	40°	13198.7	9992.4	3044.1	1986.1	1609.7	1411.7	1415.0	1476.6	1574.0	1651.9
15785.3	42.5°	14675.4	11141.2	3284.3	1901.8	1580.5	1366.3	1356.5	1398.7	1463.6	1518.8
17534.5	45°	16080.6	12322.5	3521.2	1784.9	1544.8	1320.8	1298.1	1314.4	1327.3	1350.1
19238.3	47.5°	17307.3	13153.3	3453.0	1677.8	1496.1	1268.9	1230.0	1223.5	1184.5	1181.3
20760.3	50°	18154.3	13335.0	3066.8	1570.7	1424.7	1210.5	1148.8	1109.9	1041.7	1009.3
21899.4	52.5°	18423.7	12617.8	2505.4	1463.6	1307.9	1132.6	1045.0	983.3	899.0	869.7
22555.0	55°	18066.7	11212.6	2002.4	1333.8	1145.6	1028.8	931.4	850.3	782.1	746.4
22626.4	57.5°	17193.7	9424.4	1583.7	1181.3	973.6	911.9	814.6	733.4	675.0	639.3
21834.5	60°	15746.3	7483.7	1252.7	999.6	830.8	785.4	684.8	632.8	580.9	538.7
19790.0	62.5°	13549.2	5341.8	983.3	791.9	694.5	642.6	584.2	545.2	483.6	425.1
16113.0	65°	10573.3	3268.0	759.4	580.9	558.2	532.2	496.5	460.8	386.2	327.8
10511.6	67.5°	6669.1	1548.0	542.0	438.1	441.4	428.4	412.2	382.9	327.8	275.9
4709.0	70°	2937.0	749.7	357.0	334.3	327.8	327.8	340.8	331.0	279.1	230.4
1635.6	72.5°	999.6	402.4	266.1	253.1	236.9	233.7	285.6	275.9	223.9	178.5
814.6	75°	522.5	269.4	194.7	181.7	142.8	172.0	227.2	214.2	159.0	116.8
538.7	77.5°	340.8	191.5	133.1	116.8	81.1	113.6	168.8	149.3	94.1	58.4
353.7	80°	214.2	126.6	77.9	55.2	38.9	61.7	90.9	64.9	35.7	13.0
207.7	82.5°	113.6	64.9	29.2	19.5	16.2	19.5	22.7	16.2	6.5	0.0
107.1	85°	45.4	22.7	9.7	6.5	3.2	0.0	6.5	3.2	0.0	0.0
19.5	87.5°	16.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

180°
6419.3
5997.4
5020.5
3741.9
2524.9
2044.6
1992.6
1963.4
1918.0
1872.6
1843.3
1820.6
1797.9
1775.2
1759.0
1739.5
1677.8
1541.5
1363.0
1178.1
1012.5
866.5
746.4
632.8
529.0
415.4
318.0
269.4
220.7
168.8
107.1
51.9
9.7
0.0
0.0
0.0
0.0

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