

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: P852490

Luminaire Tested: **GLAN-SB4B-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852490
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-SB4B-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA 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: 13362 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

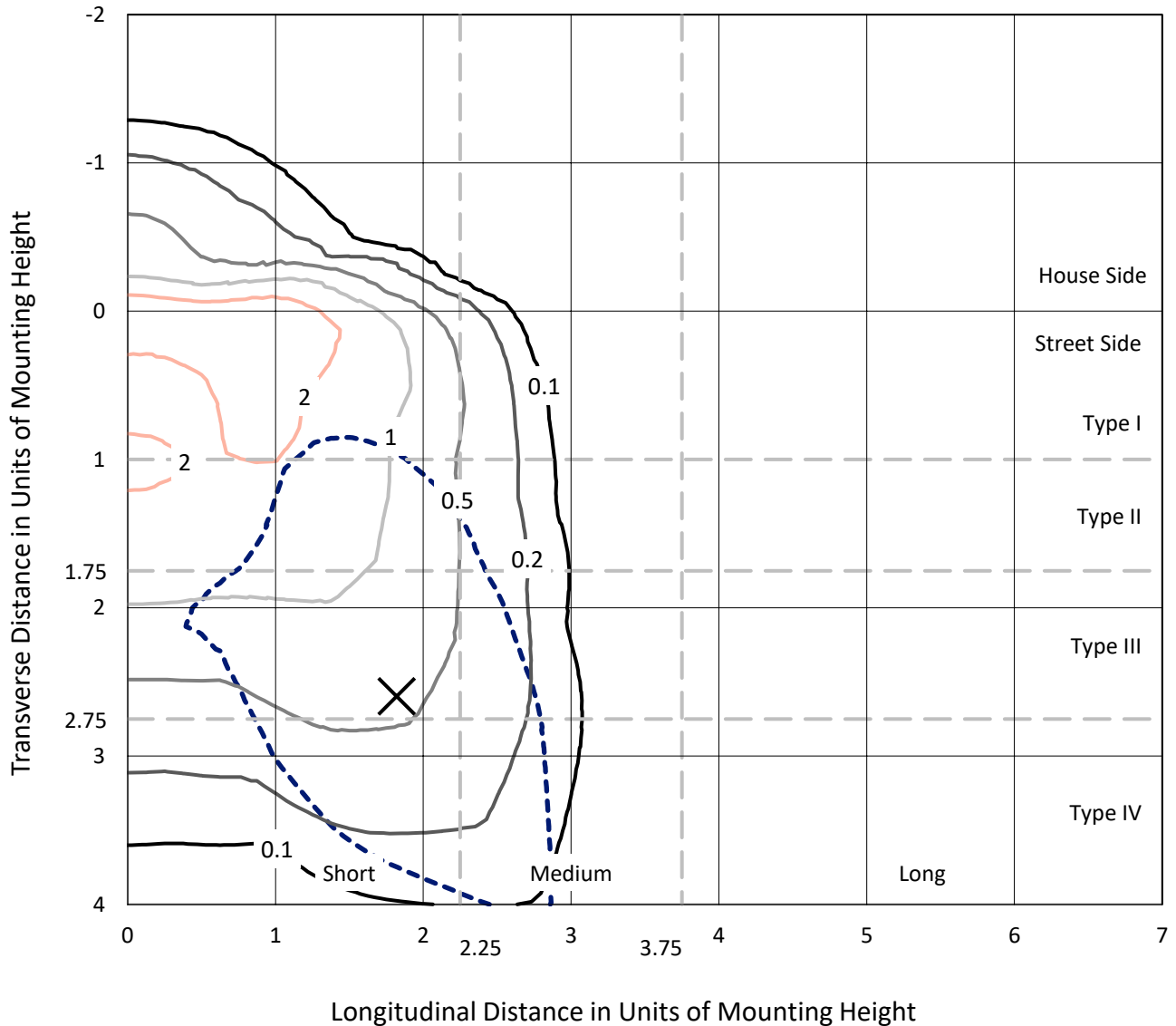
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

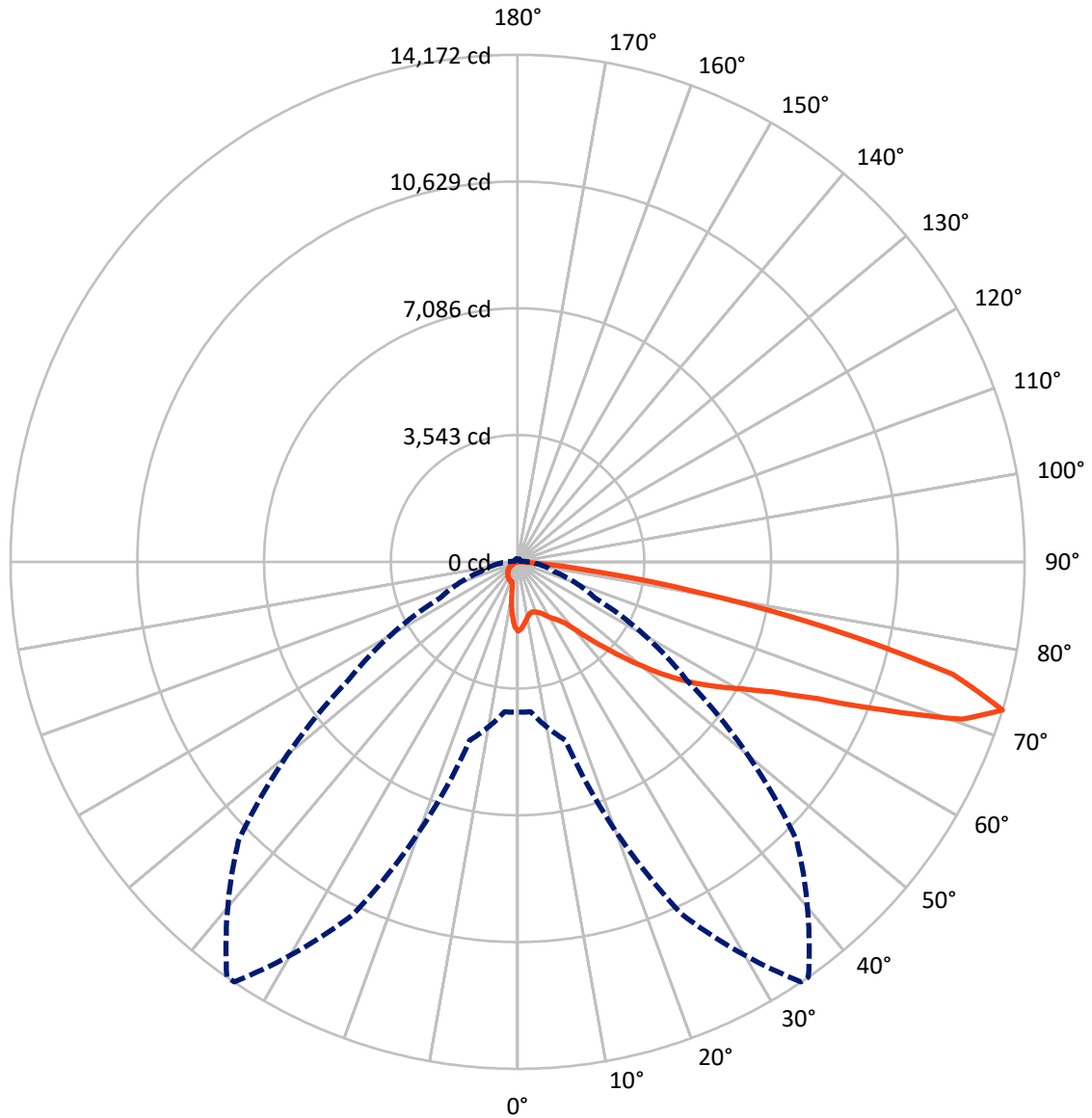
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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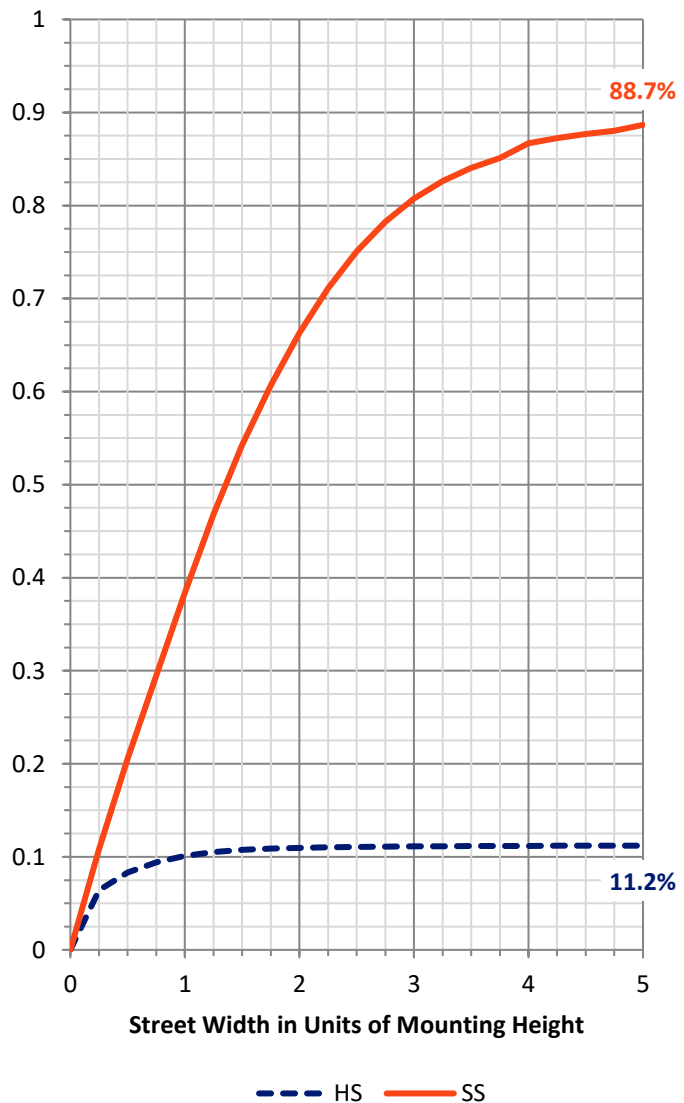
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1503.8	0.0	1503.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	11858.2	0.0	11858.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	13362.0	0.0	13362.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	1.2
10°-20°	372.3	2.8
20°-30°	604.8	4.5
30°-40°	1009.0	7.6
40°-50°	1909.1	14.3
50°-60°	3033.6	22.7
60°-70°	3752.8	28.1
70°-80°	2332.7	17.5
80°-90°	188.5	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°	13362.0	100.0
0°-180°	13362.0	100.0

Coefficient of Utilization



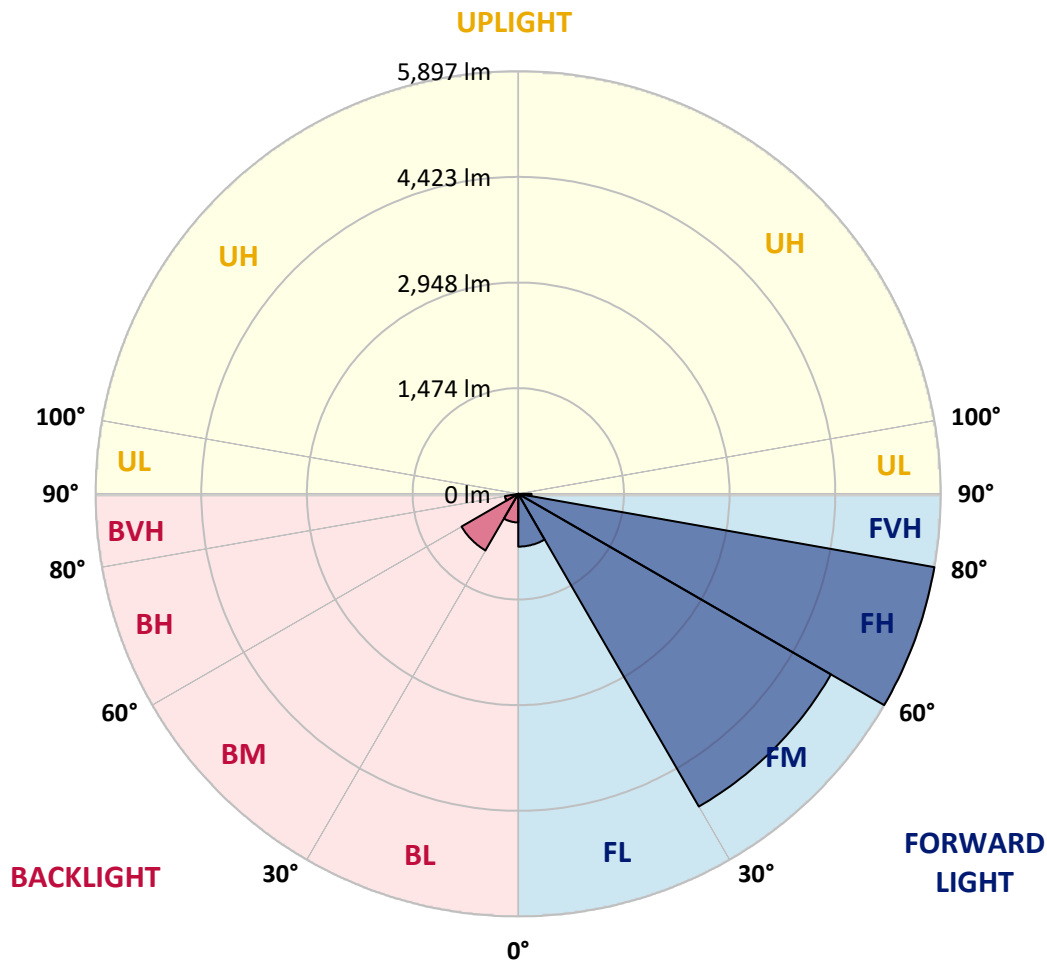
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	736.6	5.5			
FM (30°-60°)	5038.8	37.7			
FH (60°-80°)	5896.8	44.1			G3/7500
FVH (80°-90°)	186.0	1.4			G2/225
BL (0°-30°)	399.6	3.0	B1/500		
BM (30°-60°)	913.0	6.8	B1/1000		
BH (60°-80°)	188.7	1.4	B1/500		G1/500
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1936.6	1936.6	1936.6	1936.6	1936.6	1936.6	1936.6	1936.6	1936.6	1936.6
2.5°	1850.4	1866.1	1869.0	1873.9	1873.9	1879.8	1889.6	1903.3	1925.8	1937.6
5°	1705.5	1717.3	1732.0	1743.7	1766.2	1769.2	1807.4	1844.6	1896.5	1935.6
7.5°	1559.7	1573.4	1592.9	1621.3	1650.7	1659.5	1717.3	1780.0	1862.2	1935.6
10°	1456.9	1457.8	1475.5	1503.9	1550.8	1561.6	1632.1	1721.2	1824.0	1923.9
12.5°	1399.1	1405.9	1413.8	1435.3	1480.4	1487.2	1562.6	1667.4	1785.8	1917.0
15°	1399.1	1404.0	1408.9	1419.7	1455.9	1461.8	1528.3	1633.1	1766.2	1920.0
17.5°	1413.8	1421.6	1417.7	1430.4	1468.6	1472.5	1531.3	1623.3	1765.3	1938.6
20°	1449.0	1454.9	1447.1	1454.9	1493.1	1500.9	1561.6	1641.9	1781.9	1970.9
22.5°	1504.8	1507.8	1489.2	1495.0	1534.2	1544.0	1614.5	1694.8	1822.1	2022.8
25°	1575.3	1581.2	1552.8	1559.7	1596.9	1608.6	1689.9	1774.1	1885.7	2094.2
27.5°	1656.6	1659.5	1635.0	1634.1	1682.0	1698.7	1780.9	1872.0	1970.9	2184.3
30°	1749.6	1758.4	1734.9	1731.0	1791.7	1805.4	1886.7	1992.4	2096.2	2319.4
32.5°	1823.0	1829.9	1816.2	1826.0	1887.6	1898.4	2014.9	2162.8	2293.0	2511.3
35°	1928.8	1932.7	1901.4	1919.0	1989.5	2016.9	2190.2	2401.7	2540.7	2752.2
37.5°	2311.6	2311.6	2178.4	2091.3	2158.9	2183.3	2430.1	2702.2	2846.2	3075.3
40°	2841.3	2832.5	2637.6	2459.4	2450.6	2498.6	2771.7	3081.1	3240.7	3463.0
42.5°	3406.2	3392.5	3127.2	2950.9	2921.5	2938.2	3166.3	3548.2	3710.7	3935.9
45°	3907.5	3903.6	3660.7	3423.8	3370.9	3423.8	3658.8	4094.5	4211.0	4447.9
47.5°	4327.5	4327.5	4150.3	3995.6	3968.2	3999.5	4325.5	4700.5	4689.7	4993.3
50°	4811.2	4807.2	4638.8	4572.3	4600.7	4644.7	5093.1	5338.9	5185.2	5528.8
52.5°	5149.9	5173.4	5115.6	5104.9	5249.8	5326.1	5872.5	5963.5	5628.7	6036.9
55°	5418.2	5445.6	5512.2	5587.6	5866.6	5966.5	6627.3	6555.9	5999.7	6477.5
57.5°	5798.1	5758.9	5861.7	6010.5	6461.9	6582.3	7358.7	7114.9	6298.4	6834.9
60°	6259.2	6265.1	6282.7	6470.7	7056.2	7210.9	8079.3	7643.6	6490.3	7054.2
62.5°	6813.4	6822.2	6858.4	7147.2	7854.1	8000.0	8846.9	8076.4	6578.4	6992.5
65°	6775.2	6812.4	7216.7	8204.6	9067.2	9211.1	9742.7	8379.9	6445.2	6428.6
67.5°	6172.1	6232.8	6909.3	9467.6	10896.1	11056.6	10825.6	8439.6	5870.5	4999.1
70°	5381.0	5402.5	6216.1	10603.3	13013.8	13176.3	11794.9	7782.6	4454.8	2788.4
72.5°	4202.2	4207.1	5161.7	10866.7	14163.2	14172.0	11034.1	5777.5	2395.8	1071.1
75°	3001.8	2972.5	3457.1	8812.6	12460.6	12560.5	8272.2	2710.1	915.4	506.2
77.5°	1609.6	1641.9	1956.2	5226.3	8608.0	8778.3	4513.5	781.3	466.0	344.6
80°	497.4	524.8	801.9	2392.8	4875.8	4978.6	1673.2	347.6	325.1	245.7
82.5°	156.7	162.5	374.0	1005.5	2023.7	2070.7	484.6	196.8	222.2	162.5
85°	45.0	46.0	166.4	375.0	500.3	510.1	136.1	76.4	127.3	100.8
87.5°	4.9	15.7	62.7	62.7	44.1	43.1	14.7	16.6	36.2	12.7
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°
1936.6	0°	1936.6	1936.6	1936.6	1936.6	1936.6	1936.6	1936.6	1936.6	1936.6	1936.6
1945.4	2.5°	1940.5	1941.5	1928.8	1907.2	1883.7	1864.2	1839.7	1820.1	1806.4	1802.5
1963.0	5°	1954.2	1947.4	1911.1	1845.5	1767.2	1699.7	1624.3	1564.6	1525.4	1508.7
1981.6	7.5°	1974.8	1955.2	1875.9	1746.7	1596.9	1463.7	1328.6	1223.8	1157.3	1124.0
1999.3	10°	1992.4	1953.2	1817.2	1603.7	1374.6	1172.9	990.8	864.5	794.0	760.7
2019.8	12.5°	2009.1	1952.3	1740.8	1434.3	1124.0	877.2	707.9	645.2	625.6	618.8
2053.1	15°	2040.4	1955.2	1644.8	1240.5	874.3	662.8	601.1	600.2	604.1	602.1
2104.0	17.5°	2083.5	1958.1	1536.2	1034.9	674.6	584.5	581.6	590.4	596.3	593.3
2167.7	20°	2139.3	1969.9	1420.6	831.2	579.6	564.9	571.8	579.6	584.5	579.6
2252.8	22.5°	2217.6	1990.5	1294.3	667.7	549.3	553.2	559.0	567.9	572.8	565.9
2361.5	25°	2313.5	2022.8	1170.0	580.6	534.6	539.5	548.3	558.1	563.9	557.1
2498.6	27.5°	2437.9	2074.7	1055.4	561.0	519.9	522.8	535.6	550.2	558.1	549.3
2693.4	30°	2618.0	2159.8	956.6	569.8	511.1	504.2	521.8	542.4	551.2	543.4
2958.8	32.5°	2856.9	2280.3	895.8	583.5	507.2	482.7	499.3	525.8	540.4	535.6
3305.3	35°	3170.2	2463.3	872.4	599.2	504.2	460.2	471.9	500.3	525.8	530.7
3742.0	37.5°	3550.1	2717.9	879.2	606.0	495.4	441.6	447.4	471.9	505.2	520.9
4233.5	40°	3981.9	3014.6	918.4	599.2	485.6	425.9	426.9	445.5	474.8	498.3
4762.2	42.5°	4427.4	3361.1	990.8	573.7	476.8	412.2	409.3	422.0	441.6	458.2
5289.9	45°	4851.3	3717.5	1062.3	538.5	466.0	398.5	391.6	396.5	400.4	407.3
5803.9	47.5°	5221.4	3968.2	1041.7	506.2	451.4	382.8	371.1	369.1	357.4	356.4
6263.1	50°	5476.9	4023.0	925.2	473.9	429.8	365.2	346.6	334.8	314.3	304.5
6606.8	52.5°	5558.2	3806.6	755.8	441.6	394.6	341.7	315.3	296.7	271.2	262.4
6804.5	55°	5450.5	3382.7	604.1	402.4	345.6	310.4	281.0	256.5	236.0	225.2
6826.1	57.5°	5187.1	2843.2	477.8	356.4	293.7	275.1	245.7	221.3	203.6	192.9
6587.2	60°	4750.5	2257.7	377.9	301.6	250.6	236.9	206.6	190.9	175.3	162.5
5970.4	62.5°	4087.6	1611.6	296.7	238.9	209.5	193.9	176.2	164.5	145.9	128.3
4861.1	65°	3189.8	985.9	229.1	175.3	168.4	160.6	149.8	139.0	116.5	98.9
3171.2	67.5°	2012.0	467.0	163.5	132.2	133.2	129.2	124.3	115.5	98.9	83.2
1420.6	70°	886.1	226.2	107.7	100.8	98.9	98.9	102.8	99.9	84.2	69.5
493.5	72.5°	301.6	121.4	80.3	76.4	71.5	70.5	86.2	83.2	67.6	53.8
245.7	75°	157.6	81.3	58.7	54.8	43.1	51.9	68.5	64.6	48.0	35.2
162.5	77.5°	102.8	57.8	40.1	35.2	24.5	34.3	50.9	45.0	28.4	17.6
106.7	80°	64.6	38.2	23.5	16.6	11.7	18.6	27.4	19.6	10.8	3.9
62.7	82.5°	34.3	19.6	8.8	5.9	4.9	5.9	6.9	4.9	2.0	0.0
32.3	85°	13.7	6.9	2.9	2.0	1.0	0.0	2.0	1.0	0.0	0.0
5.9	87.5°	4.9	1.0	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°
1936.6
1809.3
1514.6
1128.9
761.7
616.8
601.1
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564.9
556.1
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542.4
535.6
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