

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: P852402

Luminaire Tested: **GLAN-SB3C-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852402
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-SB3C-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 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: 13565 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

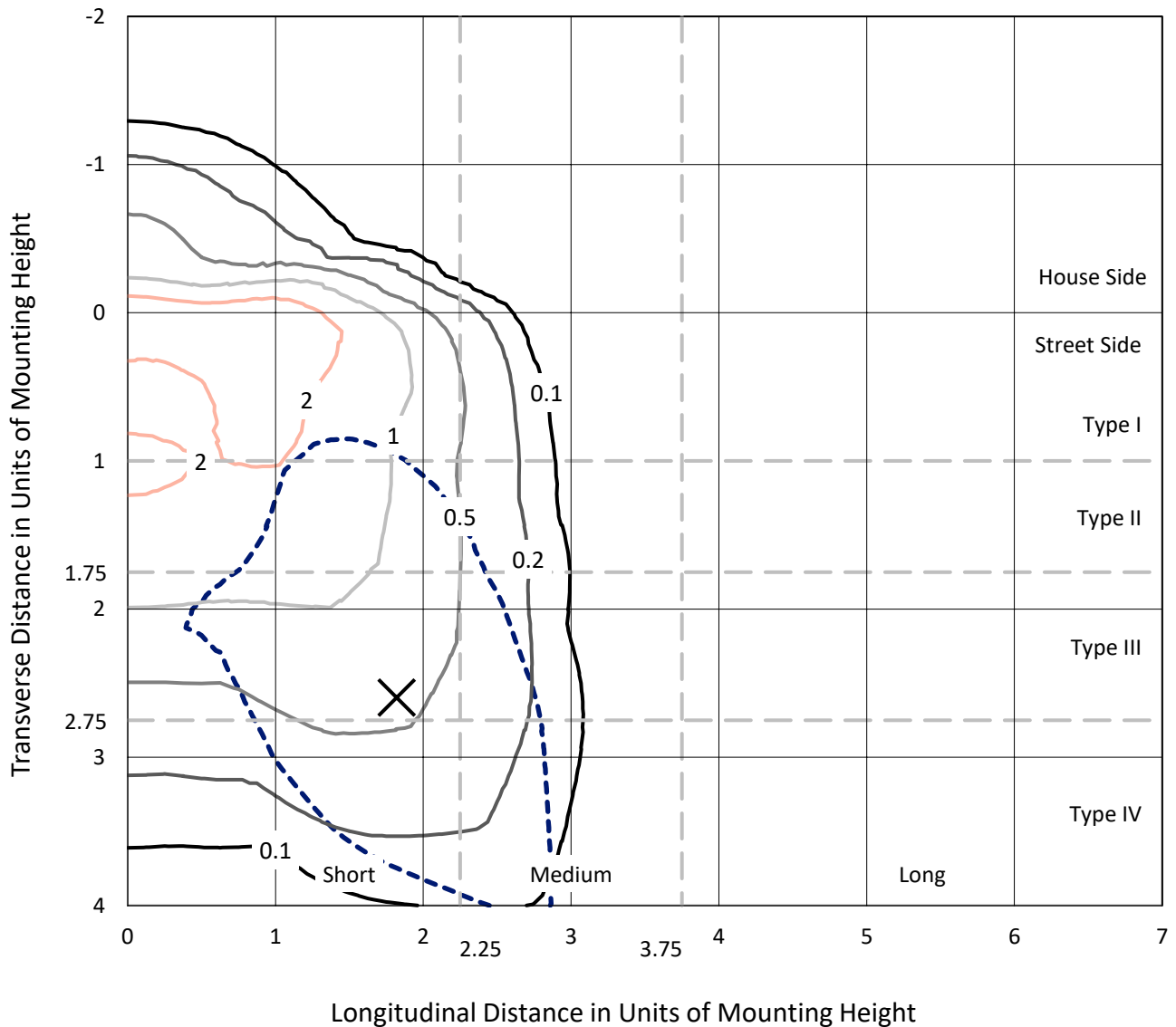
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

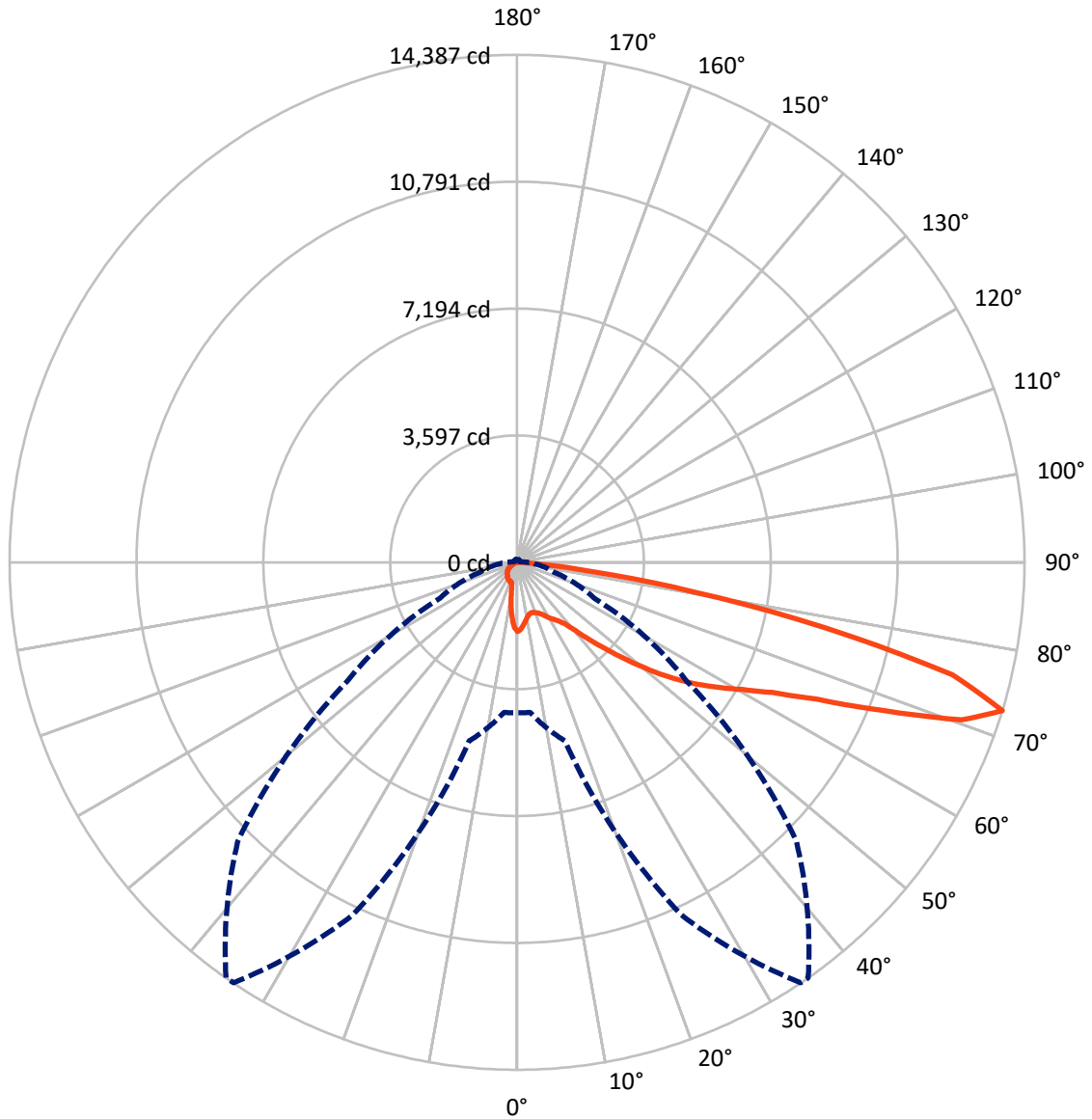
× Max cd
 - - - 1/2 Max cd



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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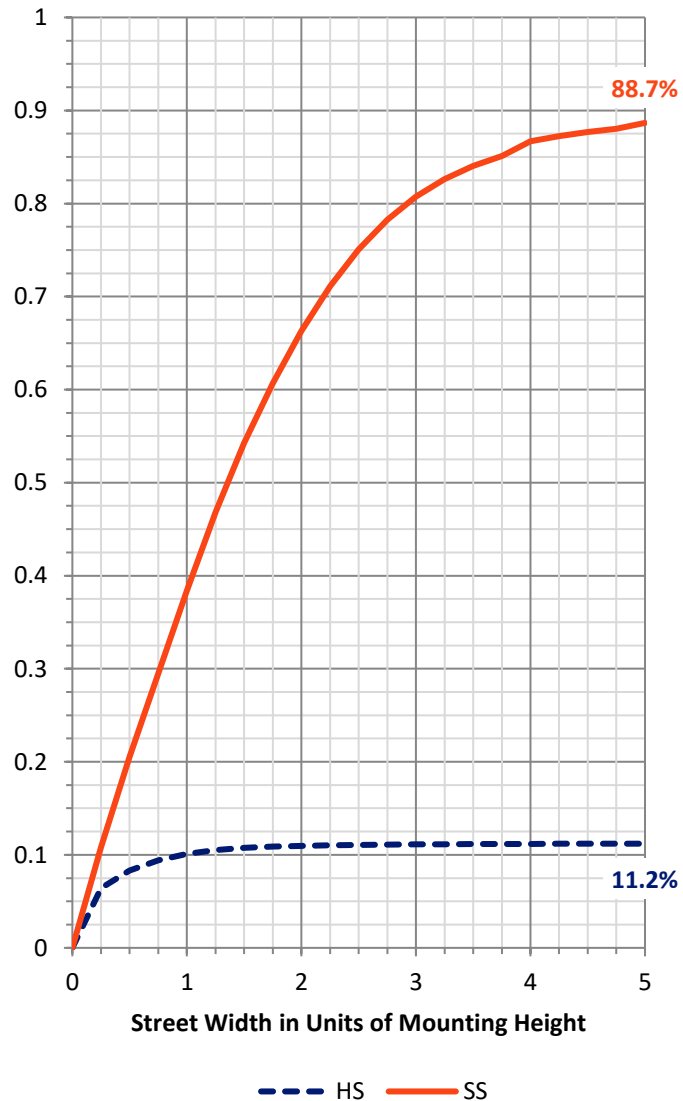
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1526.7	0.0	1526.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	12038.3	0.0	12038.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	13565.0	0.0	13565.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.6	1.2
10°-20°	377.9	2.8
20°-30°	614.0	4.5
30°-40°	1024.4	7.6
40°-50°	1938.1	14.3
50°-60°	3079.7	22.7
60°-70°	3809.8	28.1
70°-80°	2368.2	17.5
80°-90°	191.4	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°	13565.0	100.0
0°-180°	13565.0	100.0

Coefficient of Utilization



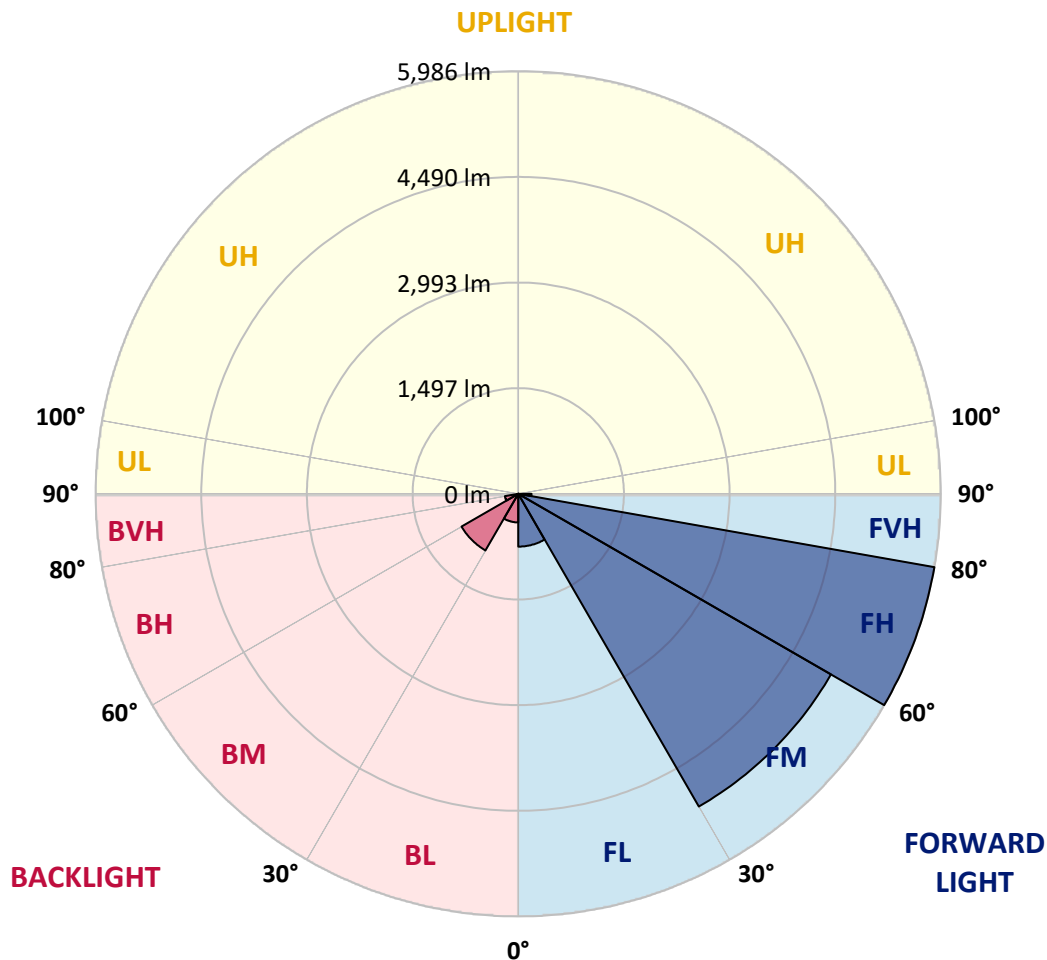
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	747.8	5.5			
FM (30°-60°)	5115.4	37.7			
FH (60°-80°)	5986.4	44.1			G3/7500
FVH (80°-90°)	188.8	1.4			G2/225
BL (0°-30°)	405.7	3.0	B1/500		
BM (30°-60°)	926.8	6.8	B1/1000		
BH (60°-80°)	191.6	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°	1966.0	1966.0	1966.0	1966.0	1966.0	1966.0	1966.0	1966.0	1966.0	1966.0
2.5°	1878.6	1894.5	1897.4	1902.4	1902.4	1908.4	1918.3	1932.2	1955.1	1967.0
5°	1731.5	1743.4	1758.3	1770.2	1793.1	1796.1	1834.8	1872.6	1925.3	1965.0
7.5°	1583.4	1597.3	1617.1	1646.0	1675.8	1684.7	1743.4	1807.0	1890.5	1965.0
10°	1479.0	1480.0	1497.9	1526.7	1574.4	1585.3	1656.9	1747.4	1851.7	1953.1
12.5°	1420.3	1427.3	1435.3	1457.1	1502.8	1509.8	1586.3	1692.7	1813.0	1946.1
15°	1420.3	1425.3	1430.3	1441.2	1478.0	1484.0	1551.5	1657.9	1793.1	1949.1
17.5°	1435.3	1443.2	1439.2	1452.2	1490.9	1494.9	1554.5	1648.0	1792.1	1968.0
20°	1471.0	1477.0	1469.1	1477.0	1515.8	1523.7	1585.3	1666.8	1809.0	2000.8
22.5°	1527.7	1530.7	1511.8	1517.8	1557.5	1567.5	1639.0	1720.5	1849.7	2053.5
25°	1599.3	1605.2	1576.4	1583.4	1621.1	1633.1	1715.5	1801.0	1914.3	2126.0
27.5°	1681.8	1684.7	1659.9	1658.9	1707.6	1724.5	1808.0	1900.4	2000.8	2217.5
30°	1776.2	1785.1	1761.3	1757.3	1818.9	1832.8	1915.3	2022.7	2128.0	2354.7
32.5°	1850.7	1857.7	1843.8	1853.7	1916.3	1927.3	2045.5	2195.6	2327.8	2549.5
35°	1958.1	1962.0	1930.2	1948.1	2019.7	2047.5	2223.5	2438.1	2579.3	2794.0
37.5°	2346.7	2346.7	2211.5	2123.1	2191.6	2216.5	2467.0	2743.3	2889.4	3122.0
40°	2884.4	2875.5	2677.7	2496.8	2487.8	2536.5	2813.9	3127.9	3290.0	3515.6
42.5°	3457.9	3444.0	3174.7	2995.8	2965.9	2982.8	3214.4	3602.1	3767.1	3995.7
45°	3966.8	3962.9	3716.4	3475.8	3422.2	3475.8	3714.4	4156.7	4275.0	4515.5
47.5°	4393.2	4393.2	4213.3	4056.3	4028.5	4060.3	4391.2	4771.9	4761.0	5069.1
50°	4884.2	4880.3	4709.3	4641.7	4670.5	4715.3	5170.5	5420.0	5263.9	5612.8
52.5°	5228.2	5252.0	5193.4	5182.4	5329.5	5407.1	5961.7	6054.1	5714.2	6128.7
55°	5500.5	5528.3	5595.9	5672.4	5955.7	6057.1	6728.0	6655.5	6090.9	6575.9
57.5°	5886.1	5846.4	5950.7	6101.8	6560.0	6682.3	7470.5	7223.0	6394.0	6938.7
60°	6354.3	6360.3	6378.1	6569.0	7163.4	7320.4	8202.0	7759.7	6588.9	7161.4
62.5°	6916.9	6925.8	6962.6	7255.8	7973.4	8121.5	8981.3	8199.1	6678.3	7098.8
65°	6878.1	6915.9	7326.4	8329.3	9204.9	9351.0	9890.7	8507.2	6543.1	6526.2
67.5°	6265.8	6327.5	7014.3	9611.4	11061.6	11224.6	10990.1	8567.8	5959.7	5075.1
70°	5462.7	5484.6	6310.6	10764.4	13211.5	13376.5	11974.1	7900.9	4522.4	2830.8
72.5°	4266.0	4271.0	5240.1	11031.8	14378.4	14387.4	11201.8	5865.3	2432.2	1087.4
75°	3047.4	3017.6	3509.6	8946.5	12649.9	12751.3	8397.8	2751.2	929.3	513.9
77.5°	1634.0	1666.8	1985.9	5305.7	8738.8	8911.7	4582.1	793.2	473.1	349.9
80°	504.9	532.8	814.0	2429.2	4949.8	5054.2	1698.7	352.9	330.0	249.5
82.5°	159.0	165.0	379.7	1020.8	2054.5	2102.2	492.0	199.8	225.6	165.0
85°	45.7	46.7	169.0	380.7	507.9	517.8	138.2	77.5	129.2	102.4
87.5°	5.0	15.9	63.6	63.6	44.7	43.7	14.9	16.9	36.8	12.9
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°
1966.0	0°	1966.0	1966.0	1966.0	1966.0	1966.0	1966.0	1966.0	1966.0	1966.0	1966.0
1975.0	2.5°	1970.0	1971.0	1958.1	1936.2	1912.4	1892.5	1867.6	1847.7	1833.8	1829.9
1992.9	5°	1983.9	1977.0	1940.2	1873.6	1794.1	1725.5	1649.0	1588.3	1548.6	1531.7
2011.7	7.5°	2004.8	1984.9	1904.4	1773.2	1621.1	1485.9	1348.8	1242.4	1174.8	1141.0
2029.6	10°	2022.7	1982.9	1844.8	1628.1	1395.5	1190.7	1005.9	877.7	806.1	772.3
2050.5	12.5°	2039.6	1981.9	1767.2	1456.1	1141.0	890.6	718.6	655.0	635.1	628.2
2084.3	15°	2071.4	1984.9	1669.8	1259.3	887.6	672.9	610.3	609.3	613.3	611.3
2136.0	17.5°	2115.1	1987.9	1559.5	1050.6	684.8	593.4	590.4	599.3	605.3	602.3
2200.6	20°	2171.8	1999.8	1442.2	843.9	588.4	573.5	580.5	588.4	593.4	588.4
2287.1	22.5°	2251.3	2020.7	1314.0	677.9	557.6	561.6	567.5	576.5	581.5	574.5
2397.4	25°	2348.7	2053.5	1187.8	589.4	542.7	547.7	556.6	566.5	572.5	565.6
2536.5	27.5°	2474.9	2106.2	1071.5	569.5	527.8	530.8	543.7	558.6	566.5	557.6
2734.3	30°	2657.8	2192.6	971.1	578.5	518.8	511.9	529.8	550.6	559.6	551.6
3003.7	32.5°	2900.3	2314.9	909.5	592.4	514.9	490.0	506.9	533.7	548.7	543.7
3355.6	35°	3218.4	2500.8	885.6	608.3	511.9	467.2	479.1	507.9	533.7	538.7
3798.9	37.5°	3604.0	2759.2	892.6	615.3	502.9	448.3	454.2	479.1	512.9	528.8
4297.8	40°	4042.4	3060.4	932.3	608.3	493.0	432.4	433.4	452.2	482.1	505.9
4834.5	42.5°	4494.6	3412.2	1005.9	582.5	484.1	418.5	415.5	428.4	448.3	465.2
5370.3	45°	4925.0	3774.0	1078.4	546.7	473.1	404.5	397.6	402.5	406.5	413.5
5892.1	47.5°	5300.7	4028.5	1057.6	513.9	458.2	388.6	376.7	374.7	362.8	361.8
6358.3	50°	5560.1	4084.1	939.3	481.1	436.3	370.7	351.9	339.9	319.1	309.1
6707.1	52.5°	5642.6	3864.5	767.3	448.3	400.6	346.9	320.1	301.2	275.3	266.4
6907.9	55°	5533.3	3434.1	613.3	408.5	350.9	315.1	285.3	260.4	239.5	228.6
6929.8	57.5°	5265.9	2886.4	485.0	361.8	298.2	279.3	249.5	224.6	206.7	195.8
6687.3	60°	4822.6	2292.0	383.7	306.1	254.4	240.5	209.7	193.8	177.9	165.0
6061.1	62.5°	4149.7	1636.0	301.2	242.5	212.7	196.8	178.9	167.0	148.1	130.2
4934.9	65°	3238.3	1000.9	232.6	177.9	171.0	163.0	152.1	141.1	118.3	100.4
3219.4	67.5°	2042.6	474.1	166.0	134.2	135.2	131.2	126.2	117.3	100.4	84.5
1442.2	70°	899.5	229.6	109.3	102.4	100.4	100.4	104.4	101.4	85.5	70.6
500.9	72.5°	306.1	123.2	81.5	77.5	72.6	71.6	87.5	84.5	68.6	54.7
249.5	75°	160.0	82.5	59.6	55.7	43.7	52.7	69.6	65.6	48.7	35.8
165.0	77.5°	104.4	58.6	40.8	35.8	24.8	34.8	51.7	45.7	28.8	17.9
108.3	80°	65.6	38.8	23.9	16.9	11.9	18.9	27.8	19.9	10.9	4.0
63.6	82.5°	34.8	19.9	8.9	6.0	5.0	6.0	7.0	5.0	2.0	0.0
32.8	85°	13.9	7.0	3.0	2.0	1.0	0.0	2.0	1.0	0.0	0.0
6.0	87.5°	5.0	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°
1966.0
1836.8
1537.6
1146.0
773.3
626.2
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601.3
587.4
573.5
564.6
557.6
550.6
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