

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: P852592

Luminaire Tested: **GLAN-SB5A-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852592
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-SB5A-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA 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: 13416 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

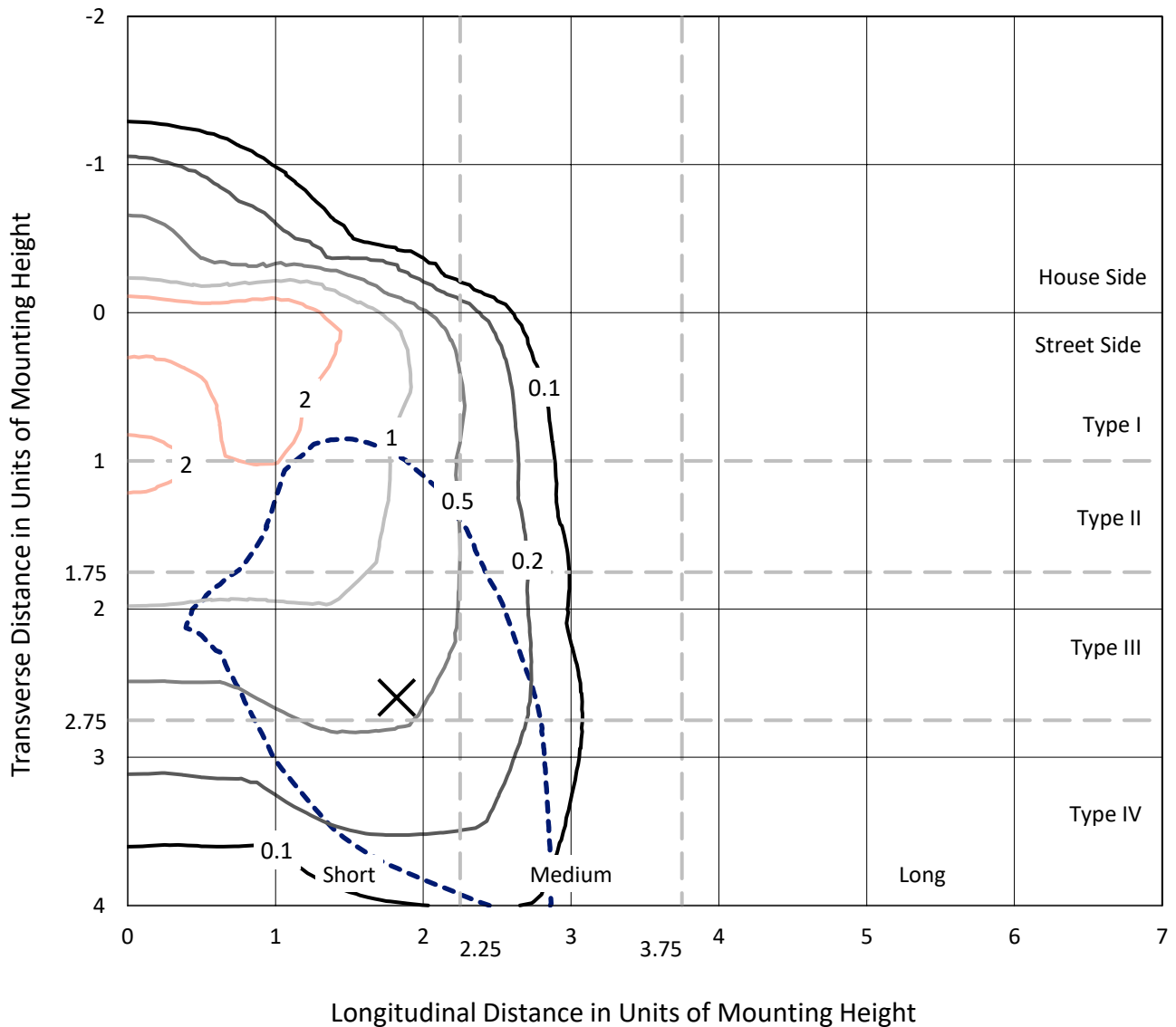
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

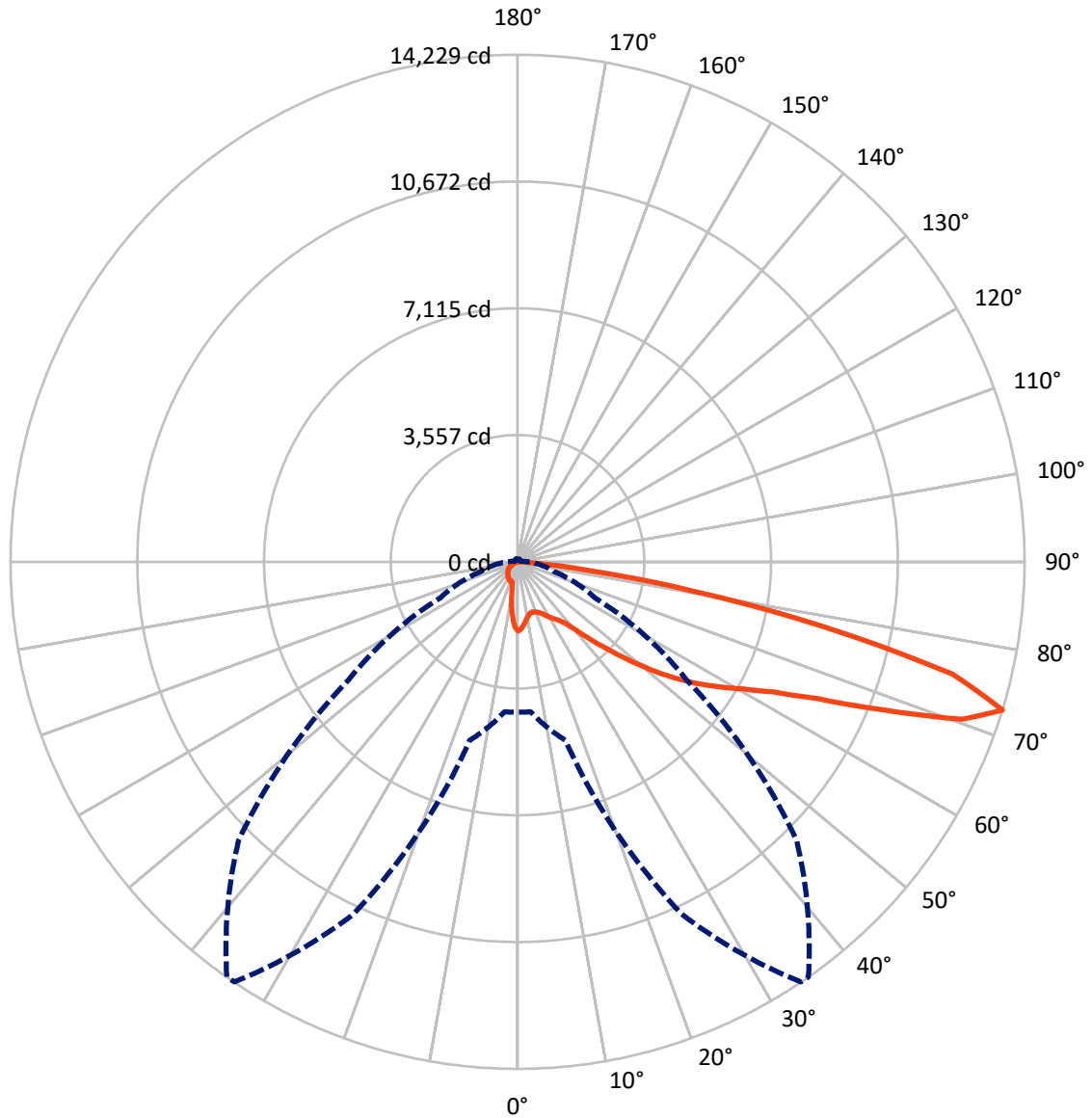
× Max cd
 - - - 1/2 Max cd



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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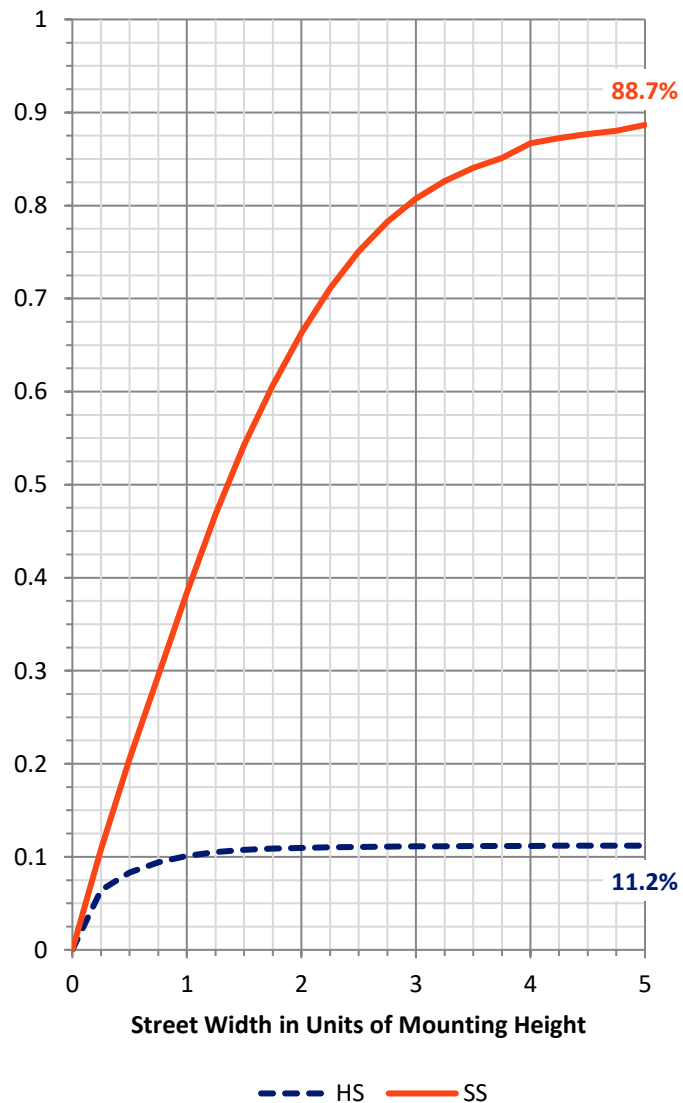
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1509.9	0.0	1509.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	11906.1	0.0	11906.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	13416.0	0.0	13416.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.8	1.2
10°-20°	373.8	2.8
20°-30°	607.2	4.5
30°-40°	1013.1	7.6
40°-50°	1916.8	14.3
50°-60°	3045.9	22.7
60°-70°	3767.9	28.1
70°-80°	2342.2	17.5
80°-90°	189.3	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°	13416.0	100.0
0°-180°	13416.0	100.0

Coefficient of Utilization

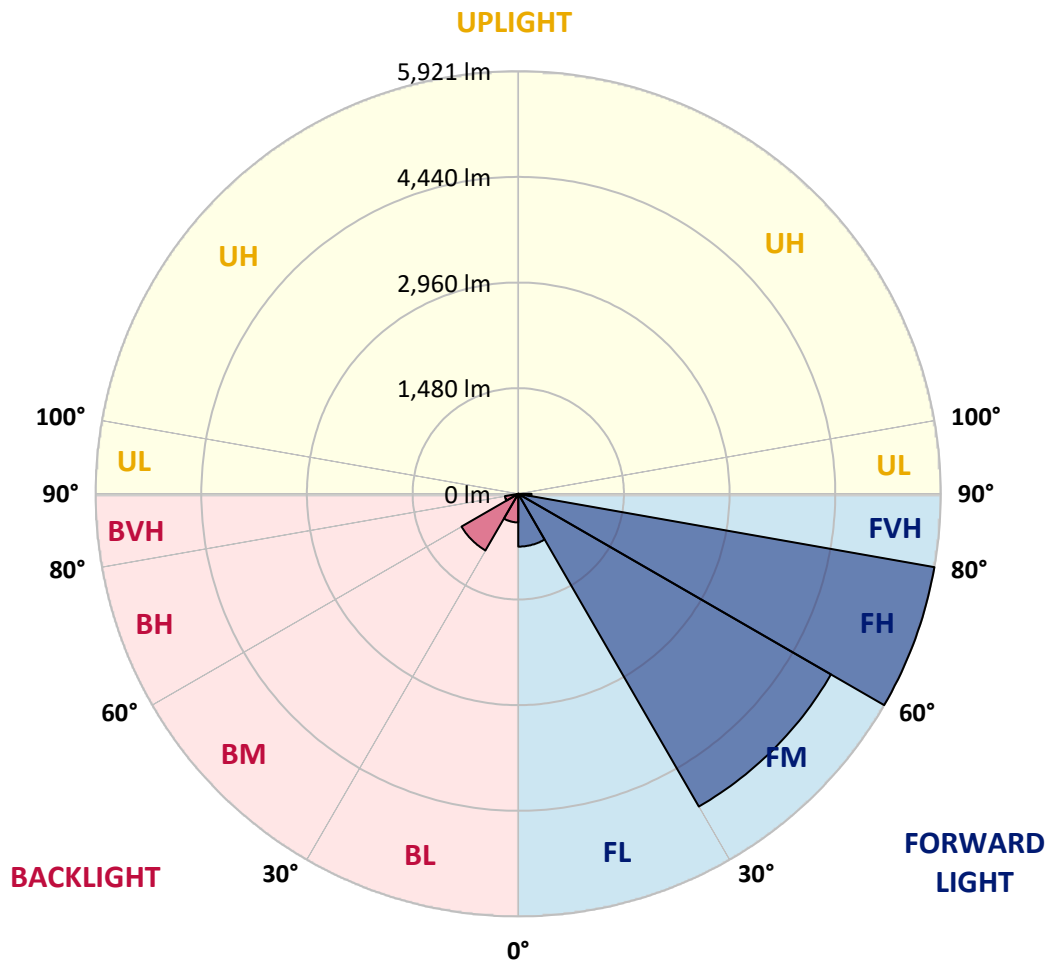


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	739.6	5.5			
FM (30°-60°)	5059.2	37.7			
FH (60°-80°)	5920.6	44.1			G3/7500
FVH (80°-90°)	186.7	1.4			G2/225
BL (0°-30°)	401.2	3.0	B1/500		
BM (30°-60°)	916.7	6.8	B1/1000		
BH (60°-80°)	189.5	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°	1944.4	1944.4	1944.4	1944.4	1944.4	1944.4	1944.4	1944.4	1944.4	1944.4
2.5°	1857.9	1873.7	1876.6	1881.5	1881.5	1887.4	1897.2	1911.0	1933.6	1945.4
5°	1712.4	1724.2	1739.0	1750.8	1773.4	1776.3	1814.7	1852.0	1904.1	1943.4
7.5°	1566.0	1579.7	1599.4	1627.9	1657.4	1666.2	1724.2	1787.1	1869.7	1943.4
10°	1462.7	1463.7	1481.4	1509.9	1557.1	1567.9	1638.7	1728.2	1831.4	1931.6
12.5°	1404.7	1411.6	1419.5	1441.1	1486.3	1493.2	1568.9	1674.1	1793.0	1924.8
15°	1404.7	1409.7	1414.6	1425.4	1461.8	1467.7	1534.5	1639.7	1773.4	1927.7
17.5°	1419.5	1427.4	1423.4	1436.2	1474.5	1478.5	1537.5	1629.9	1772.4	1946.4
20°	1454.9	1460.8	1452.9	1460.8	1499.1	1507.0	1567.9	1648.5	1789.1	1978.8
22.5°	1510.9	1513.9	1495.2	1501.1	1540.4	1550.2	1621.0	1701.6	1829.4	2030.9
25°	1581.7	1587.6	1559.1	1566.0	1603.3	1615.1	1696.7	1781.2	1893.3	2102.7
27.5°	1663.3	1666.2	1641.7	1640.7	1688.8	1705.6	1788.1	1879.5	1978.8	2193.1
30°	1756.7	1765.5	1741.9	1738.0	1798.9	1812.7	1894.3	2000.5	2104.7	2328.8
32.5°	1830.4	1837.3	1823.5	1833.3	1895.3	1906.1	2023.1	2171.5	2302.3	2521.5
35°	1936.6	1940.5	1909.0	1926.7	1997.5	2025.0	2199.0	2411.4	2551.0	2763.3
37.5°	2320.9	2320.9	2187.2	2099.7	2167.6	2192.2	2439.9	2713.2	2857.7	3087.7
40°	2852.7	2843.9	2648.3	2469.4	2460.5	2508.7	2783.0	3093.6	3253.8	3477.0
42.5°	3420.0	3406.2	3139.8	2962.8	2933.4	2950.1	3179.1	3562.5	3725.7	3951.8
45°	3923.3	3919.3	3675.5	3437.6	3384.6	3437.6	3673.6	4111.0	4228.0	4465.9
47.5°	4345.0	4345.0	4167.1	4011.7	3984.2	4015.7	4343.0	4719.5	4708.7	5013.4
50°	4830.6	4826.7	4657.6	4590.7	4619.2	4663.5	5113.7	5360.4	5206.1	5551.2
52.5°	5170.7	5194.3	5136.3	5125.5	5271.0	5347.7	5896.2	5987.6	5651.4	6061.3
55°	5440.1	5467.6	5534.4	5610.1	5890.3	5990.6	6654.1	6582.4	6024.0	6503.7
57.5°	5821.5	5782.2	5885.4	6034.8	6488.0	6608.9	7388.4	7143.7	6323.8	6862.5
60°	6284.5	6290.4	6308.1	6496.8	7084.7	7240.0	8111.9	7674.5	6516.5	7082.7
62.5°	6840.9	6849.7	6886.1	7176.1	7885.8	8032.3	8882.6	8109.0	6605.0	7020.8
65°	6802.5	6839.9	7245.9	8237.8	9103.8	9248.3	9782.1	8413.7	6471.3	6454.6
67.5°	6197.0	6258.0	6937.2	9505.9	10940.1	11101.3	10869.3	8473.7	5894.2	5019.3
70°	5402.7	5424.3	6241.2	10646.2	13066.4	13229.6	11842.5	7814.1	4472.8	2799.7
72.5°	4219.2	4224.1	5182.5	10910.6	14220.5	14229.3	11078.7	5800.8	2405.5	1075.4
75°	3014.0	2984.5	3471.1	8848.2	12511.0	12611.3	8305.6	2721.0	919.1	508.2
77.5°	1616.1	1648.5	1964.1	5247.4	8642.8	8813.8	4531.8	784.5	467.9	346.0
80°	499.4	526.9	805.1	2402.5	4895.5	4998.7	1680.0	349.0	326.4	246.7
82.5°	157.3	163.2	375.5	1009.6	2031.9	2079.1	486.6	197.6	223.1	163.2
85°	45.2	46.2	167.1	376.5	502.3	512.2	136.6	76.7	127.8	101.3
87.5°	4.9	15.7	62.9	62.9	44.2	43.3	14.7	16.7	36.4	12.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852592
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1944.4	0°	1944.4	1944.4	1944.4	1944.4	1944.4	1944.4	1944.4	1944.4	1944.4	1944.4
1953.3	2.5°	1948.4	1949.3	1936.6	1914.9	1891.3	1871.7	1847.1	1827.4	1813.7	1809.8
1971.0	5°	1962.1	1955.2	1918.9	1853.0	1774.4	1706.5	1630.8	1570.9	1531.6	1514.8
1989.6	7.5°	1982.8	1963.1	1883.5	1753.7	1603.3	1469.6	1334.0	1228.8	1161.9	1128.5
2007.3	10°	2000.5	1961.1	1824.5	1610.2	1380.2	1177.7	994.8	868.0	797.2	763.8
2028.0	12.5°	2017.2	1960.2	1747.8	1440.1	1128.5	880.8	710.7	647.8	628.2	621.3
2061.4	15°	2048.6	1963.1	1651.5	1245.5	877.8	665.5	603.6	602.6	606.5	604.6
2112.5	17.5°	2091.9	1966.1	1542.4	1039.1	677.3	586.9	583.9	592.8	598.7	595.7
2176.4	20°	2147.9	1977.9	1426.4	834.6	582.0	567.2	574.1	582.0	586.9	582.0
2261.9	22.5°	2226.6	1998.5	1299.6	670.4	551.5	555.4	561.3	570.2	575.1	568.2
2371.1	25°	2322.9	2030.9	1174.7	582.9	536.7	541.6	550.5	560.3	566.2	559.3
2508.7	27.5°	2447.7	2083.0	1059.7	563.3	522.0	524.9	537.7	552.5	560.3	551.5
2704.3	30°	2628.6	2168.6	960.4	572.1	513.1	506.3	524.0	544.6	553.4	545.6
2970.7	32.5°	2868.5	2289.5	899.5	585.9	509.2	484.6	501.3	527.9	542.6	537.7
3318.7	35°	3183.0	2473.3	875.9	601.6	506.3	462.0	473.8	502.3	527.9	532.8
3757.1	37.5°	3564.5	2728.9	882.8	608.5	497.4	443.3	449.2	473.8	507.2	523.0
4250.6	40°	3998.0	3026.7	922.1	601.6	487.6	427.6	428.6	447.3	476.8	500.4
4781.4	42.5°	4445.2	3374.7	994.8	576.1	478.7	413.9	410.9	423.7	443.3	460.1
5311.3	45°	4870.9	3732.6	1066.6	540.7	467.9	400.1	393.2	398.1	402.1	408.9
5827.4	47.5°	5242.5	3984.2	1045.9	508.2	453.2	384.4	372.6	370.6	358.8	357.8
6288.4	50°	5499.1	4039.3	929.0	475.8	431.5	366.7	348.0	336.2	315.6	305.7
6633.5	52.5°	5580.6	3822.0	758.9	443.3	396.2	343.1	316.5	297.9	272.3	263.5
6832.0	55°	5472.5	3396.4	606.5	404.0	347.0	311.6	282.1	257.6	236.9	226.1
6853.7	57.5°	5208.1	2854.7	479.7	357.8	294.9	276.2	246.7	222.2	204.5	193.7
6613.8	60°	4769.6	2266.9	379.4	302.8	251.7	237.9	207.4	191.7	176.0	163.2
5994.5	62.5°	4104.1	1618.1	297.9	239.9	210.4	194.6	176.9	165.1	146.5	128.8
4880.7	65°	3202.7	989.9	230.0	176.0	169.1	161.2	150.4	139.6	117.0	99.3
3184.0	67.5°	2020.1	468.9	164.2	132.7	133.7	129.8	124.8	116.0	99.3	83.6
1426.4	70°	889.6	227.1	108.1	101.3	99.3	99.3	103.2	100.3	84.5	69.8
495.4	72.5°	302.8	121.9	80.6	76.7	71.8	70.8	86.5	83.6	67.8	54.1
246.7	75°	158.3	81.6	59.0	55.0	43.3	52.1	68.8	64.9	48.2	35.4
163.2	77.5°	103.2	58.0	40.3	35.4	24.6	34.4	51.1	45.2	28.5	17.7
107.1	80°	64.9	38.3	23.6	16.7	11.8	18.7	27.5	19.7	10.8	3.9
62.9	82.5°	34.4	19.7	8.8	5.9	4.9	5.9	6.9	4.9	2.0	0.0
32.4	85°	13.8	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°
1944.4
1816.6
1520.7
1133.4
764.8
619.3
603.6
594.7
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567.2
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551.5
544.6
537.7
532.8
526.9
508.2
466.9
412.9
356.8
306.7
262.5
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