

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: P848038

Luminaire Tested: **GLAN-SB4B-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15236 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

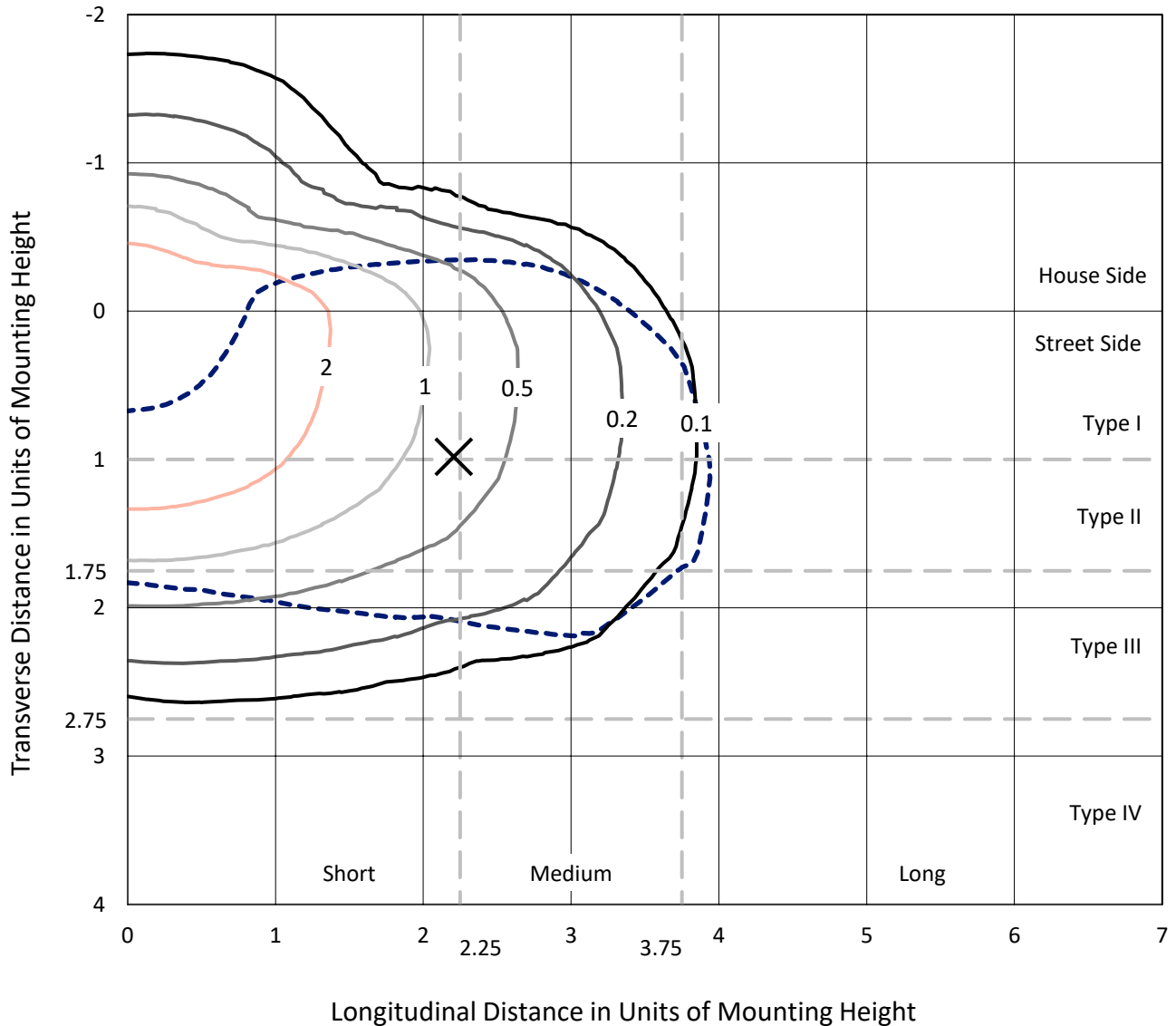
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

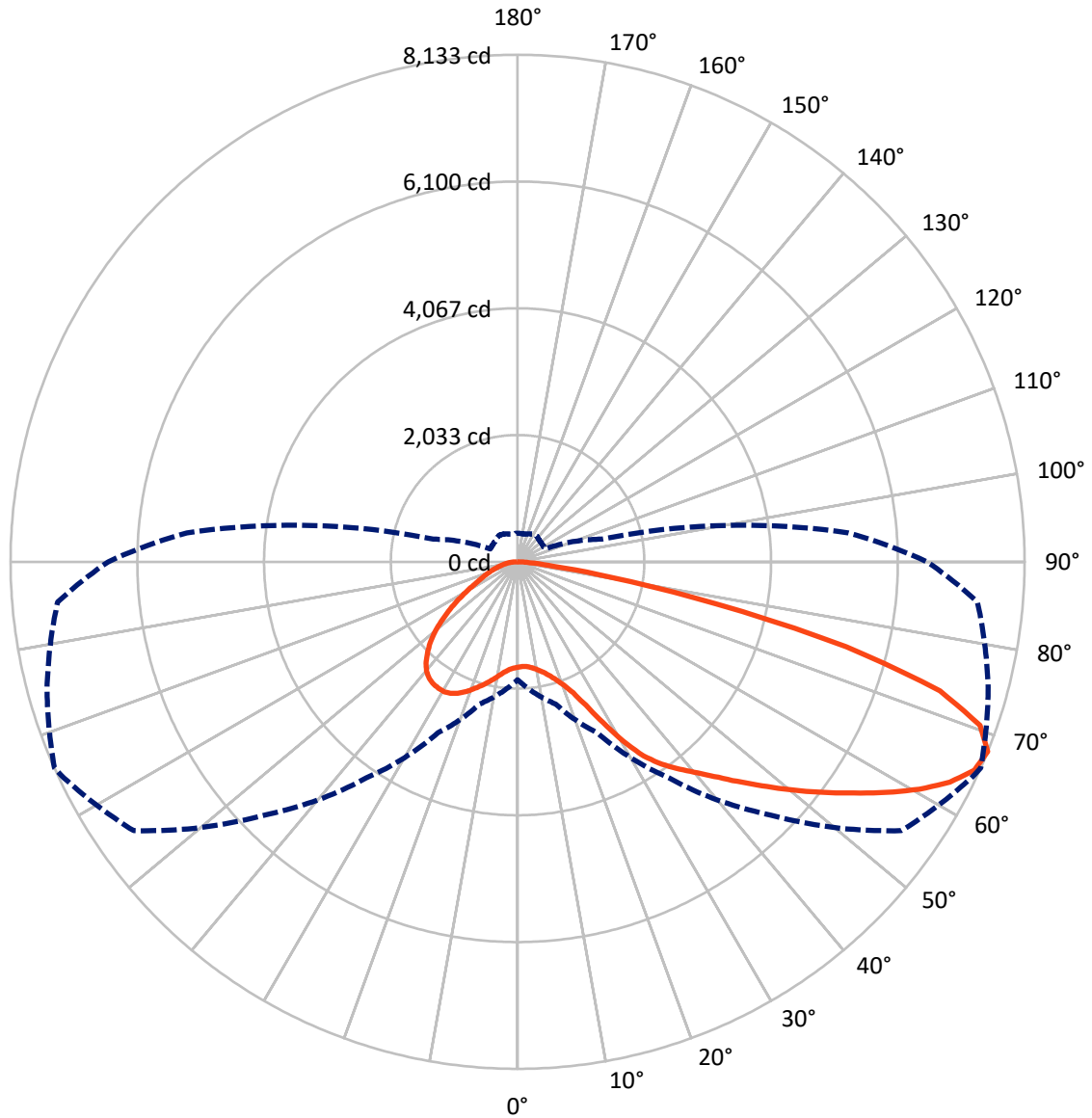
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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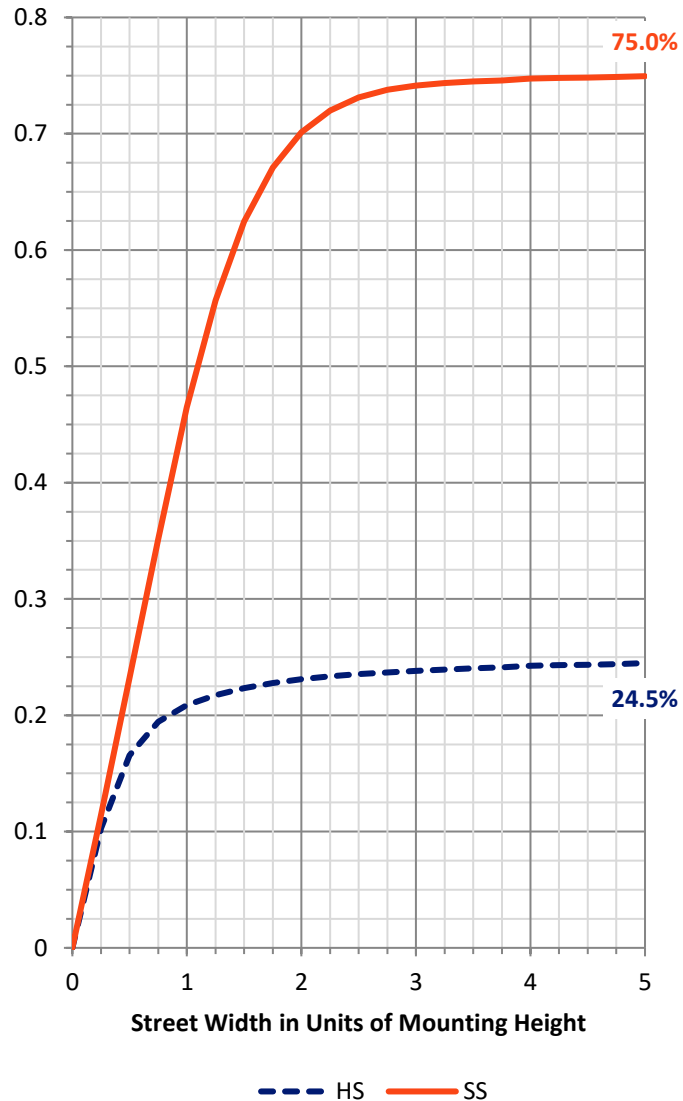
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3788.4	0.0	3788.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	11447.6	0.0	11447.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	15236.0	0.0	15236.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.5	1.1
10°-20°	553.5	3.6
20°-30°	1066.9	7.0
30°-40°	1870.7	12.3
40°-50°	2781.1	18.3
50°-60°	3525.4	23.1
60°-70°	3449.5	22.6
70°-80°	1645.4	10.8
80°-90°	175.8	1.2
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°	15236.0	100.0
0°-180°	15236.0	100.0

Coefficient of Utilization



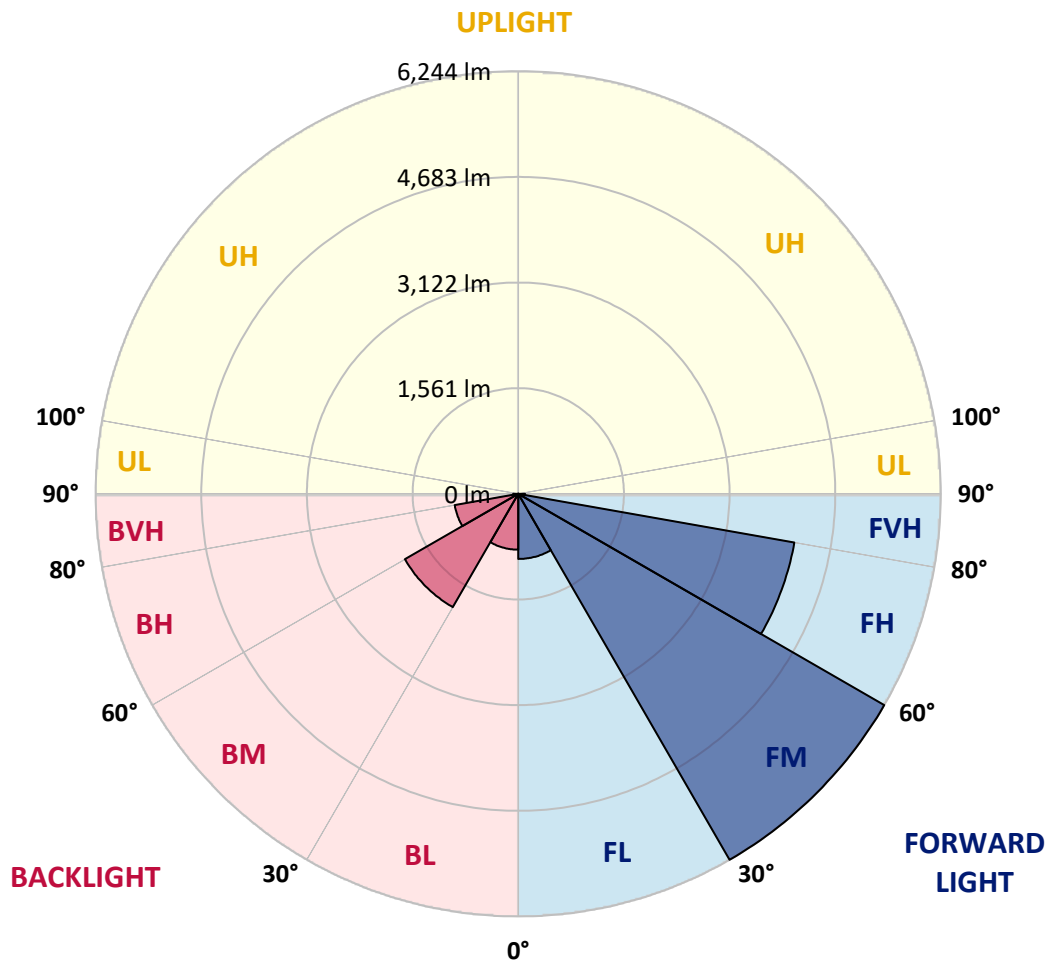
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	962.8	6.3			
FM (30°-60°)	6243.6	41.0			
FH (60°-80°)	4141.6	27.2			G2/5000
FVH (80°-90°)	99.7	0.7			G1/100
BL (0°-30°)	825.2	5.4	B2/1000		
BM (30°-60°)	1933.6	12.7	B2/2500		
BH (60°-80°)	953.4	6.3	B2/1000		G2/1000
BVH (80°-90°)	76.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9
2.5°	1672.3	1681.9	1679.5	1675.5	1674.7	1676.3	1678.7	1681.1	1680.3	1684.3
5°	1667.5	1677.1	1676.3	1676.3	1679.5	1685.9	1689.9	1693.9	1689.9	1694.7
7.5°	1670.7	1677.9	1681.1	1684.3	1692.3	1704.3	1713.9	1722.7	1717.9	1723.5
10°	1711.5	1717.1	1720.3	1720.3	1725.9	1739.5	1749.1	1765.1	1761.1	1769.9
12.5°	1785.9	1791.5	1791.5	1788.3	1792.3	1801.1	1804.3	1822.0	1814.8	1829.2
15°	1877.2	1888.4	1879.6	1874.0	1875.6	1884.4	1883.6	1897.2	1890.0	1902.0
17.5°	1978.1	1992.5	1978.1	1977.3	1974.1	1983.7	1984.5	1996.5	1983.7	1992.5
20°	2097.3	2117.3	2105.3	2109.3	2102.1	2106.1	2110.1	2127.8	2107.7	2114.1
22.5°	2265.4	2289.5	2276.6	2291.9	2287.1	2283.9	2283.1	2314.3	2283.1	2285.5
25°	2510.4	2539.2	2516.8	2537.6	2537.6	2548.0	2560.0	2600.1	2548.0	2532.8
27.5°	2872.2	2901.0	2857.0	2869.8	2865.8	2891.4	2878.6	2977.9	2921.9	2897.0
30°	3307.7	3358.9	3275.7	3272.5	3268.5	3309.3	3327.7	3393.4	3336.5	3311.7
32.5°	3778.4	3832.0	3732.8	3704.0	3688.7	3713.6	3698.3	3751.2	3712.0	3673.5
35°	4276.3	4329.2	4234.7	4178.7	4117.8	4065.8	4011.3	4025.0	3988.1	3929.7
37.5°	4747.0	4843.9	4743.8	4683.8	4571.7	4470.0	4317.9	4254.7	4220.3	4166.6
40°	5226.5	5281.8	5205.7	5154.5	5032.8	4873.5	4630.1	4496.5	4450.0	4398.0
42.5°	5579.5	5632.4	5591.6	5556.3	5461.1	5276.2	4961.6	4794.2	4727.0	4668.6
45°	5859.7	5898.9	5873.3	5886.1	5845.3	5666.0	5305.0	5113.6	5044.0	4972.8
47.5°	5972.6	6014.2	6055.0	6131.1	6200.7	6068.7	5674.0	5459.5	5385.8	5313.0
50°	5959.8	6002.2	6120.7	6282.4	6498.5	6454.5	6063.1	5827.7	5759.7	5676.4
52.5°	5857.3	5905.4	6057.4	6326.4	6670.6	6743.5	6459.3	6207.9	6143.9	6044.6
55°	5588.4	5617.2	5845.3	6226.4	6711.5	6945.2	6847.6	6613.0	6549.0	6410.5
57.5°	5089.6	5131.3	5463.5	5956.6	6609.0	7082.1	7188.6	7038.9	6977.2	6777.9
60°	4438.8	4505.3	4885.5	5503.5	6348.0	7081.3	7498.4	7457.5	7406.3	7139.7
62.5°	3702.4	3779.2	4145.0	4863.1	5891.7	6880.4	7692.1	7808.2	7781.7	7473.5
65°	2843.4	2896.2	3260.5	4034.6	5181.7	6448.9	7714.5	8047.5	8052.3	7727.3
67.5°	1893.2	2045.3	2361.5	3027.5	4230.7	5743.6	7517.6	8086.7	8133.2	7814.6
70°	923.8	1123.9	1433.7	1967.7	3027.5	4662.2	7002.8	7764.9	7868.2	7560.0
72.5°	383.4	448.3	617.2	971.0	1737.9	3146.0	5968.6	6892.4	7083.7	6698.7
75°	258.6	280.2	353.0	497.9	791.7	1551.4	4304.3	5139.3	5447.5	5059.2
77.5°	199.3	212.9	257.0	348.2	470.7	586.8	2303.9	3097.2	3256.5	3014.7
80°	156.9	167.3	192.1	253.8	333.8	313.8	785.3	1403.3	1495.4	1254.4
82.5°	136.1	140.1	137.7	172.1	221.7	183.3	257.8	517.9	571.6	414.7
85°	98.5	109.7	114.5	106.5	117.7	92.9	105.7	183.3	201.7	180.1
87.5°	40.0	59.2	72.8	68.8	43.2	26.4	32.8	53.6	61.6	67.2
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°
1689.9	0°	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9	1689.9
1690.7	2.5°	1691.5	1697.1	1701.1	1705.9	1709.1	1713.9	1723.5	1729.1	1729.9
1703.5	5°	1706.7	1714.7	1723.5	1736.3	1750.7	1762.7	1781.1	1793.9	1798.7
1734.7	7.5°	1739.5	1750.7	1766.7	1789.1	1810.0	1826.0	1848.4	1863.6	1878.8
1784.3	10°	1788.3	1804.3	1827.6	1858.0	1880.4	1901.2	1924.4	1937.2	1952.4
1843.6	12.5°	1849.2	1866.0	1896.4	1938.8	1959.6	1974.1	1982.1	1978.9	1982.1
1914.8	15°	1918.8	1937.2	1971.7	2017.3	2031.7	2018.9	2001.3	1985.3	1982.9
2001.3	17.5°	2001.3	2014.9	2054.9	2093.3	2082.9	2030.1	1991.7	1966.0	1953.2
2111.7	20°	2116.5	2116.5	2149.4	2173.4	2103.7	2014.1	1954.0	1912.4	1886.0
2262.2	22.5°	2256.6	2243.8	2264.6	2247.8	2099.7	1969.3	1886.0	1814.0	1773.9
2472.8	25°	2434.3	2419.1	2413.5	2309.5	2070.9	1898.0	1762.7	1675.5	1640.2
2776.2	27.5°	2702.5	2664.1	2591.2	2343.1	2018.1	1785.9	1618.6	1537.8	1517.8
3166.0	30°	3059.5	2982.7	2804.2	2348.7	1931.6	1627.4	1471.3	1413.7	1404.1
3493.4	32.5°	3390.2	3317.3	3021.9	2323.1	1798.7	1472.1	1339.3	1300.8	1286.4
3743.2	35°	3649.5	3629.5	3223.6	2287.1	1635.4	1326.4	1220.8	1188.0	1159.9
3978.5	37.5°	3894.5	3886.5	3374.9	2236.6	1473.7	1223.2	1125.5	1082.3	1041.5
4238.7	40°	4163.4	4155.4	3474.2	2159.0	1330.4	1133.5	1039.9	983.0	932.6
4533.3	42.5°	4466.0	4418.8	3521.4	2047.7	1208.8	1057.5	970.2	893.4	826.9
4866.3	45°	4796.6	4690.2	3520.6	1906.0	1106.3	987.8	895.8	786.9	725.3
5208.1	47.5°	5147.3	4949.5	3477.4	1749.1	1007.0	911.0	780.5	697.2	656.4
5579.5	50°	5509.1	5192.1	3403.8	1569.0	905.4	823.7	708.5	651.6	620.4
5947.8	52.5°	5849.3	5412.2	3314.9	1364.9	802.1	738.9	676.4	632.4	599.6
6304.8	55°	6165.5	5602.0	3189.2	1155.9	718.1	682.0	661.2	624.4	586.8
6667.4	57.5°	6446.5	5725.2	2972.3	959.8	658.0	642.8	645.2	610.8	567.6
7024.5	60°	6680.2	5815.7	2651.3	778.1	609.2	604.4	620.4	585.2	534.7
7326.3	62.5°	6820.3	5814.1	2257.4	637.2	567.6	569.2	587.6	553.2	501.9
7484.0	65°	6808.3	5671.6	1825.2	545.1	527.5	529.1	553.2	517.9	474.7
7404.7	67.5°	6567.4	5324.2	1400.1	485.1	483.5	490.7	518.7	493.9	457.9
6932.4	70°	5915.0	4602.9	1008.6	437.1	437.9	448.3	485.1	478.7	449.1
5828.5	72.5°	4743.0	3509.4	677.2	386.6	387.4	404.3	453.1	466.7	440.3
4135.4	75°	3158.8	2188.6	435.5	333.0	333.8	355.4	425.1	443.5	416.3
2151.8	77.5°	1517.8	983.8	315.4	280.2	280.2	300.2	367.4	397.1	354.6
691.6	80°	524.3	369.8	248.2	225.7	220.9	234.5	309.8	344.2	305.8
225.7	82.5°	206.5	192.1	199.3	175.3	159.3	168.1	241.0	284.2	224.9
127.3	85°	118.5	124.9	140.9	116.1	92.1	103.3	176.9	204.1	169.7
41.6	87.5°	32.0	44.0	64.8	60.0	41.6	44.0	84.1	112.9	97.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
1689.9
1733.1
1801.9
1885.2
1962.0
1989.3
1990.1
1954.8
1872.4
1755.5
1633.0
1521.0
1421.7
1297.6
1158.3
1019.8
895.8
791.7
688.4
630.0
593.2
567.6
549.9
530.7
497.9
470.7
459.5
458.7
451.5
489.1
485.1
342.6
264.2
202.5
152.9
77.6
0.0

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