

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: P947348

Luminaire Tested: **GLAN-SB2D-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12949 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 147.6
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

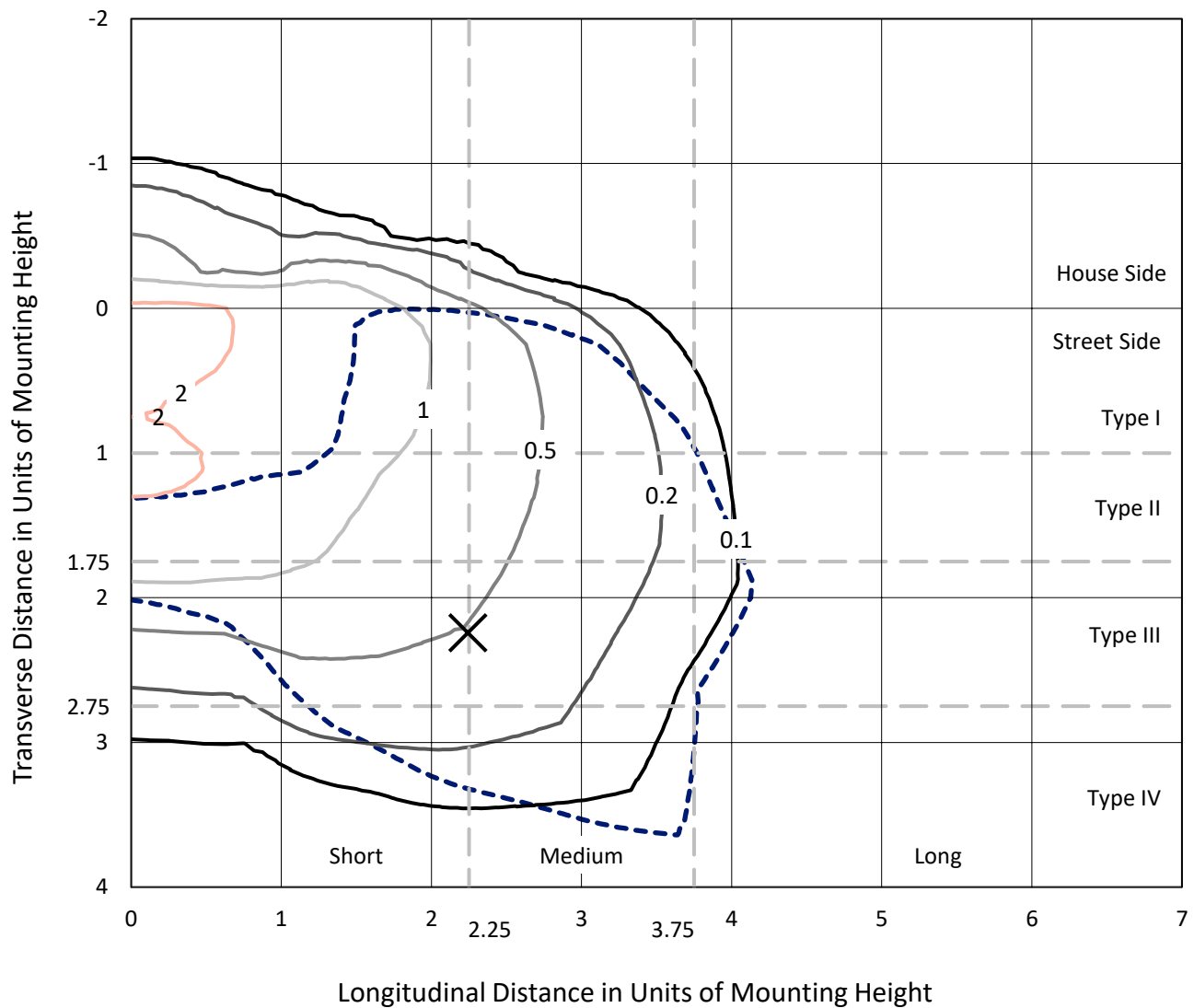


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Iso-Footcandle Lines of Horizontal Illumination

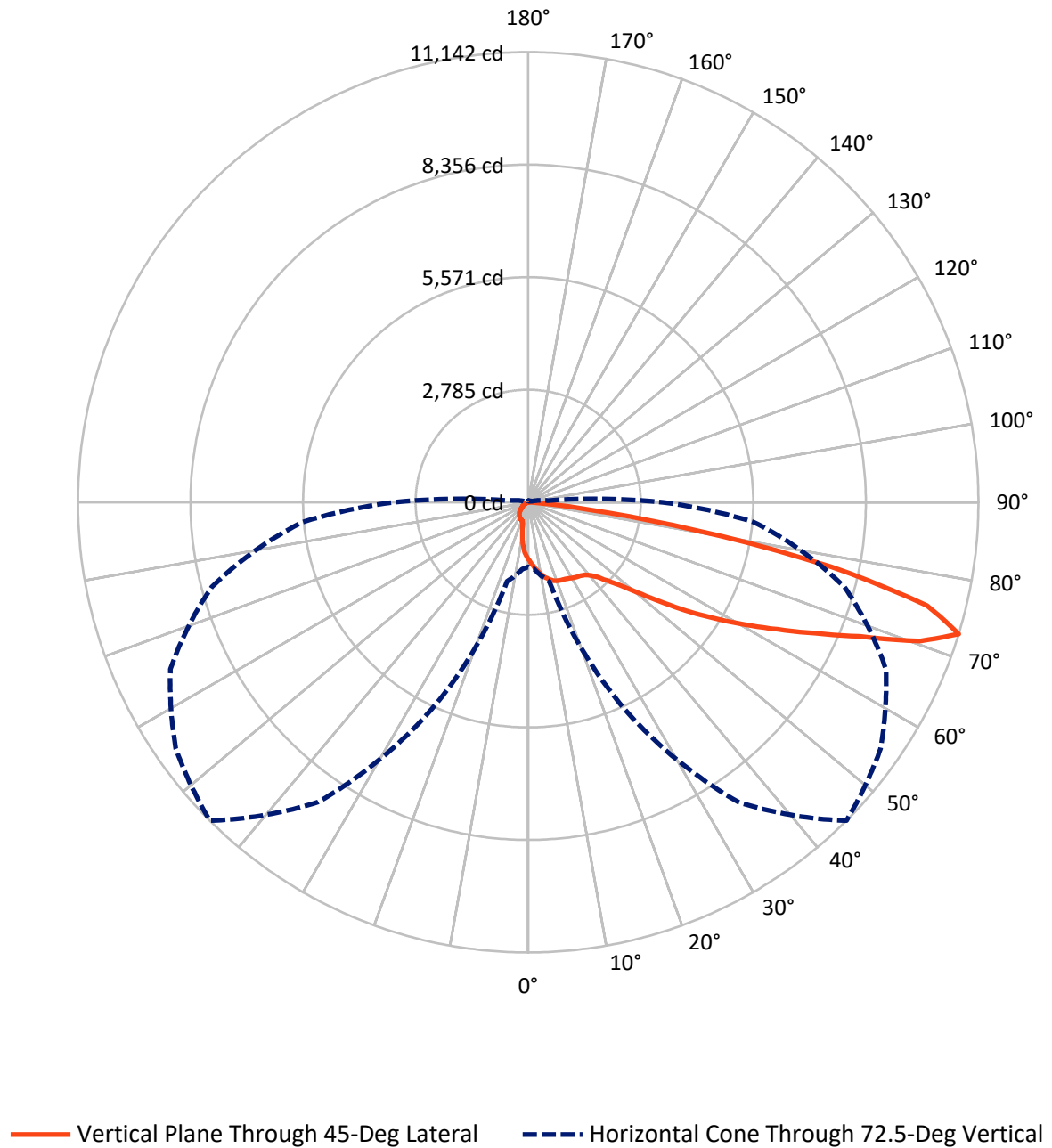
× Max cd
--- 1/2 Max cd



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



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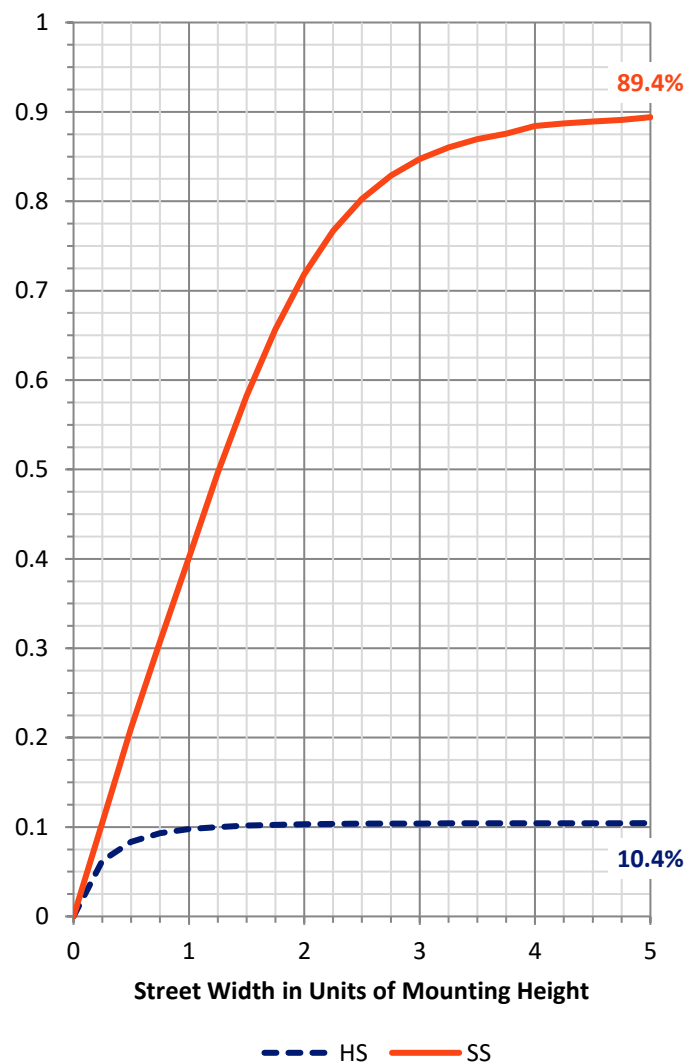
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1360.6	0.0	1360.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	11588.4	0.0	11588.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	12949.0	0.0	12949.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	1.0
10°-20°	390.6	3.0
20°-30°	641.5	5.0
30°-40°	909.8	7.0
40°-50°	1503.7	11.6
50°-60°	2701.3	20.9
60°-70°	3750.9	29.0
70°-80°	2720.8	21.0
80°-90°	196.7	1.5
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°	12949.0	100.0
0°-180°	12949.0	100.0

Coefficient of Utilization



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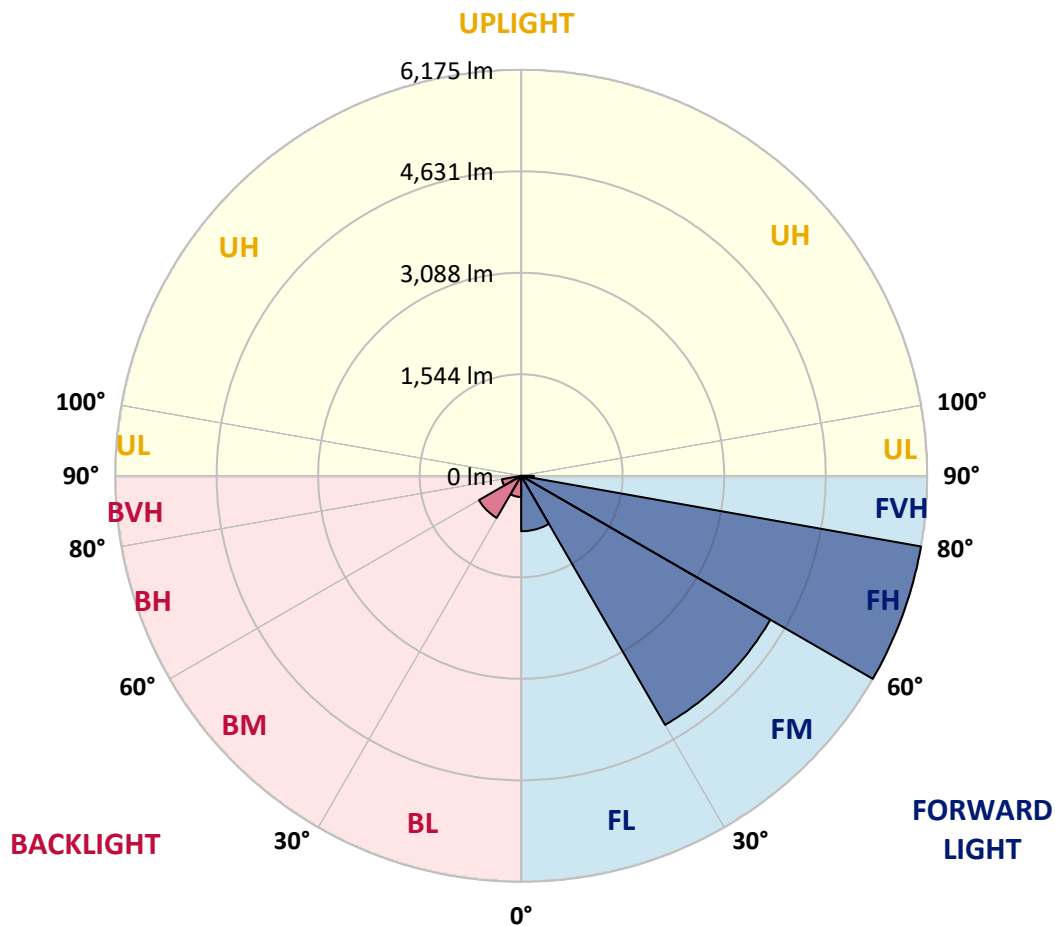
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	843.5	6.5			
FM	(30°-60°)	4374.9	33.8			
FH	(60°-80°)	6175.0	47.7			G3/7500
FVH	(80°-90°)	195.0	1.5			G2/225
BL	(0°-30°)	322.3	2.5	B1/500		
BM	(30°-60°)	740.0	5.7	B1/1000		
BH	(60°-80°)	296.7	2.3	B1/500		G1/500
BVH	(80°-90°)	1.7	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°	35°	45°	46°	55°	65°	75°
0°	1418.6	1418.6	1418.6	1418.6	1418.6	1418.6	1418.6	1418.6	1418.6	1418.6
2.5°	1549.4	1552.1	1550.3	1539.7	1522.0	1512.3	1507.0	1489.3	1477.8	1457.5
5°	1691.7	1702.3	1696.1	1674.9	1641.3	1617.5	1610.4	1574.1	1541.4	1503.4
7.5°	1842.8	1848.1	1836.7	1809.3	1764.2	1723.5	1717.3	1667.0	1614.8	1556.5
10°	1973.7	1979.8	1962.2	1922.4	1871.1	1820.7	1811.9	1756.2	1694.4	1622.8
12.5°	2083.3	2089.4	2066.5	2018.7	1962.2	1910.0	1901.2	1842.8	1774.8	1695.2
15°	2166.3	2177.8	2146.9	2095.6	2034.6	1982.5	1978.1	1920.6	1854.3	1765.9
17.5°	2214.9	2226.4	2197.3	2135.4	2083.3	2039.1	2033.8	1986.0	1924.2	1839.3
20°	2222.9	2233.5	2202.6	2148.7	2105.3	2070.0	2067.3	2032.9	1987.8	1906.5
22.5°	2199.0	2212.3	2184.0	2140.7	2110.7	2092.1	2088.6	2069.1	2043.5	1974.5
25°	2174.3	2184.9	2163.7	2125.7	2109.8	2108.0	2110.7	2107.1	2101.8	2043.5
27.5°	2172.5	2184.0	2160.1	2123.9	2115.1	2133.6	2136.3	2153.1	2157.5	2106.2
30°	2187.5	2195.5	2172.5	2134.5	2130.1	2172.5	2173.4	2203.5	2210.5	2159.3
32.5°	2220.2	2229.1	2206.1	2150.4	2144.2	2203.5	2206.1	2245.9	2257.4	2215.8
35°	2297.1	2307.8	2281.2	2194.6	2172.5	2232.6	2240.6	2287.4	2310.4	2275.9
37.5°	2488.9	2458.0	2421.8	2283.9	2237.0	2278.6	2291.8	2346.6	2387.3	2347.5
40°	2965.3	2868.1	2755.0	2435.9	2350.2	2376.7	2387.3	2442.1	2497.8	2458.9
42.5°	3680.4	3565.5	3383.4	2785.9	2520.8	2534.0	2542.0	2589.7	2668.4	2637.4
45°	4317.6	4276.1	4090.5	3383.4	2839.8	2774.4	2784.1	2808.9	2924.7	2913.2
47.5°	4807.3	4783.4	4640.2	4069.3	3379.0	3068.8	3096.2	3107.6	3274.7	3315.3
50°	5183.8	5175.0	5046.8	4679.1	4083.4	3502.7	3512.4	3487.7	3737.8	3838.6
52.5°	5539.1	5569.2	5474.6	5245.7	4835.6	4071.0	4069.3	3952.6	4290.2	4442.3
55°	5860.0	5870.6	5880.3	5823.7	5592.2	4718.0	4701.2	4510.3	4931.0	5088.4
57.5°	6161.4	6165.8	6252.4	6368.2	6379.7	5412.7	5381.8	5152.9	5631.1	5743.3
60°	6363.8	6384.1	6567.1	6888.8	7029.3	6129.5	6112.8	5879.4	6343.4	6395.6
62.5°	6072.1	6195.8	6657.2	7295.4	7642.7	6924.1	6916.2	6697.0	7093.0	7050.5
65°	4915.1	5124.6	5936.0	7570.2	8244.6	7811.5	7823.0	7589.7	7862.8	7724.9
67.5°	3438.2	3659.2	4619.0	7592.3	8917.2	8853.6	8919.9	8554.0	8680.4	8371.0
70°	2377.6	2491.6	3116.5	7116.8	9441.4	10289.0	10287.2	9738.3	9493.5	8665.3
72.5°	1598.9	1658.1	2024.0	5646.1	9056.0	11141.9	11090.6	10643.4	9767.5	8104.1
75°	674.4	717.7	936.9	3173.0	7164.5	10193.5	10054.8	9406.0	8678.6	6381.4
77.5°	213.9	232.5	369.5	1135.8	3946.4	7662.2	7515.4	5874.1	5816.7	3201.3
80°	101.6	118.4	207.7	456.1	1552.9	4167.4	4147.1	2664.8	2502.2	864.4
82.5°	44.2	52.1	114.9	243.9	694.7	1486.6	1516.7	906.8	750.4	327.9
85°	14.1	18.6	53.0	112.2	293.4	369.5	365.0	215.7	302.3	178.5
87.5°	0.0	0.0	17.7	25.6	30.1	21.2	23.9	18.6	84.0	49.5
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°
1418.6	0°	1418.6	1418.6	1418.6	1418.6	1418.6	1418.6	1418.6	1418.6	1418.6	1418.6
1436.3	2.5°	1425.7	1411.5	1386.8	1363.8	1343.5	1323.1	1310.8	1293.1	1291.3	1291.3
1459.2	5°	1435.4	1412.4	1368.2	1321.4	1267.5	1216.2	1164.9	1115.4	1099.5	1088.0
1496.4	7.5°	1463.7	1427.4	1357.6	1268.3	1165.8	1053.6	974.9	890.0	857.3	839.7
1545.9	10°	1504.3	1454.8	1348.8	1192.3	1026.2	873.3	761.0	669.1	633.7	618.7
1599.8	12.5°	1549.4	1488.4	1332.9	1097.8	873.3	690.3	580.7	538.3	533.0	533.0
1664.3	15°	1603.3	1529.1	1305.5	986.4	713.3	546.2	507.3	509.1	514.4	517.9
1727.1	17.5°	1659.0	1572.4	1262.1	861.8	571.9	491.4	492.3	495.0	499.4	502.9
1795.1	20°	1719.1	1615.7	1204.7	729.2	490.5	475.5	478.2	480.8	484.4	486.1
1858.8	22.5°	1783.6	1656.3	1136.6	599.3	463.1	462.3	463.1	465.8	470.2	470.2
1933.0	25°	1852.6	1701.4	1058.9	504.7	449.0	449.0	450.8	452.5	456.1	456.1
2004.6	27.5°	1923.3	1743.0	976.7	455.2	436.6	435.7	435.7	438.4	440.2	441.0
2075.3	30°	2001.1	1791.6	894.5	444.6	426.9	422.5	419.8	421.6	423.4	424.3
2149.5	32.5°	2080.6	1838.4	821.1	449.0	417.2	409.2	400.4	398.6	398.6	402.2
2226.4	35°	2169.0	1889.7	764.5	464.0	411.9	389.8	375.6	367.7	368.6	373.9
2318.4	37.5°	2275.0	1951.6	723.0	477.3	408.3	367.7	344.7	335.0	328.8	335.0
2444.7	40°	2413.8	2042.6	692.9	487.9	403.9	342.1	311.1	295.2	283.7	287.3
2641.0	42.5°	2618.0	2185.8	681.5	488.8	394.2	312.0	276.6	255.4	238.6	239.5
2936.2	45°	2904.4	2412.0	740.7	477.3	373.0	279.3	240.4	212.1	201.5	198.9
3377.2	47.5°	3296.8	2741.7	877.7	453.4	342.1	247.5	205.1	181.2	173.2	168.8
3956.1	50°	3822.7	3165.1	1029.7	426.9	311.1	217.4	175.9	160.9	155.6	151.1
4642.9	52.5°	4432.5	3594.6	1154.3	400.4	280.2	190.9	157.3	148.5	144.1	140.5
5305.8	55°	4992.0	3890.7	1147.2	372.1	250.1	169.7	144.1	138.8	133.5	129.9
5876.8	57.5°	5340.3	3932.3	945.7	341.2	215.7	152.9	131.7	128.2	122.0	117.6
6370.8	60°	5500.2	3695.4	662.9	300.5	181.2	137.0	118.4	116.7	108.7	102.5
6838.4	62.5°	5529.4	3255.2	441.9	250.1	151.1	122.0	105.2	102.5	91.9	81.3
7218.5	65°	5411.0	2625.9	305.8	195.3	129.0	106.1	90.2	84.9	73.4	62.8
7308.6	67.5°	5036.2	1843.7	213.0	140.5	109.6	84.0	71.6	69.8	61.0	52.1
6849.0	70°	4349.5	1050.9	142.3	105.2	86.6	57.5	56.6	58.3	49.5	42.4
5595.7	72.5°	3334.8	480.8	88.4	76.9	59.2	38.9	45.1	46.0	38.0	31.8
3491.2	75°	1963.0	205.9	55.7	49.5	30.1	25.6	32.7	33.6	25.6	20.3
1276.3	77.5°	668.2	77.8	35.4	29.2	15.0	14.1	21.2	21.2	14.1	8.0
256.3	80°	152.0	29.2	17.7	11.5	7.1	6.2	7.1	6.2	3.5	0.9
78.7	82.5°	43.3	11.5	7.1	4.4	2.7	2.7	0.9	0.0	0.0	0.0
27.4	85°	12.4	5.3	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
9.7	87.5°	5.3	0.9	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°
1418.6
1295.7
1093.3
842.3
618.7
533.0
517.9
502.9
487.0
472.0
457.0
441.9
426.0
404.8
376.5
333.2
285.5
236.0
195.3
166.2
150.3
139.6
128.2
116.7
100.8
76.0
59.2
49.5
38.9
28.3
17.7
6.2
0.0
0.0
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