

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: P852290

Luminaire Tested: **GLAN-SB2D-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852290
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-SB2D-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 900mA 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: 14884 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

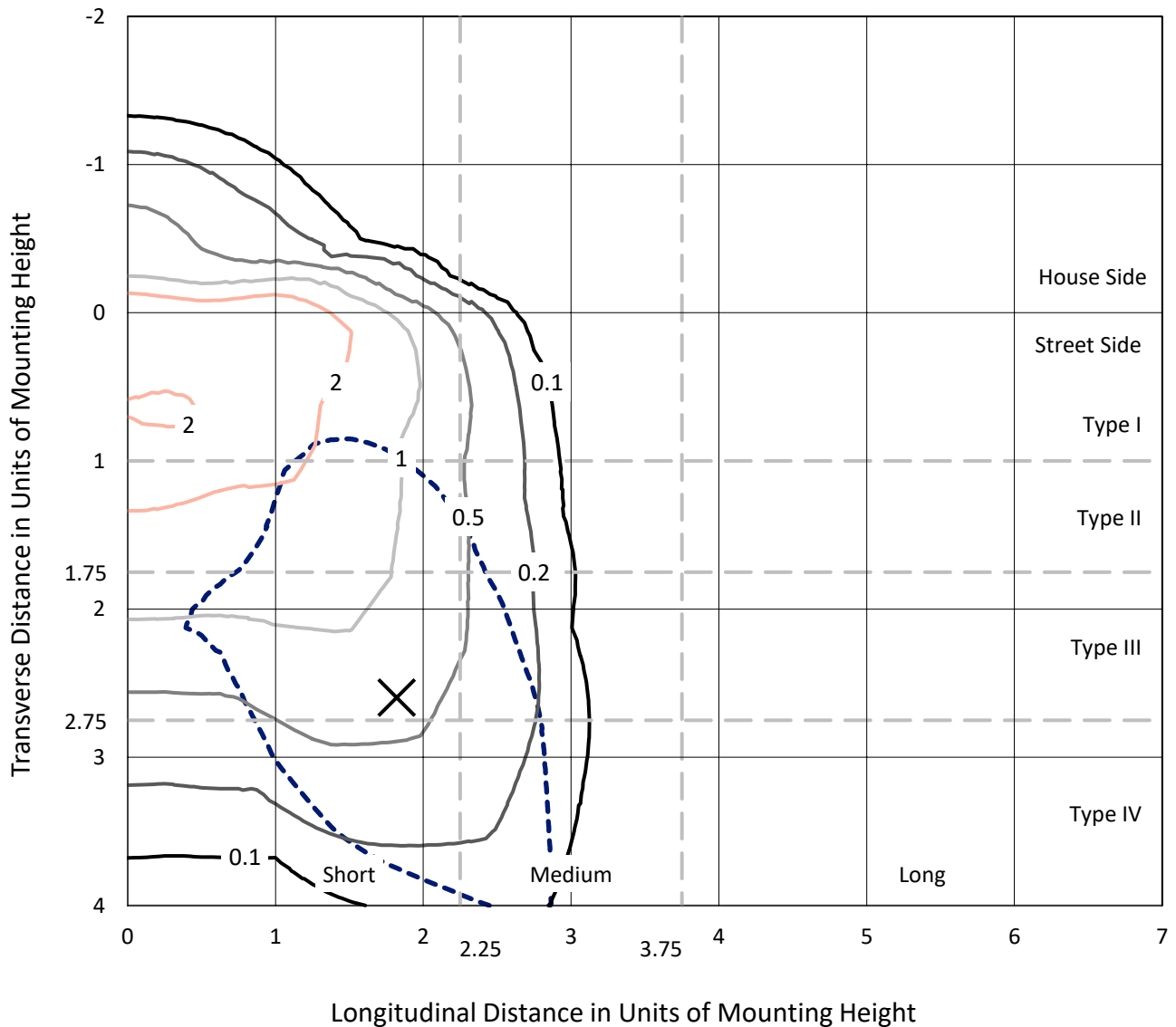
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

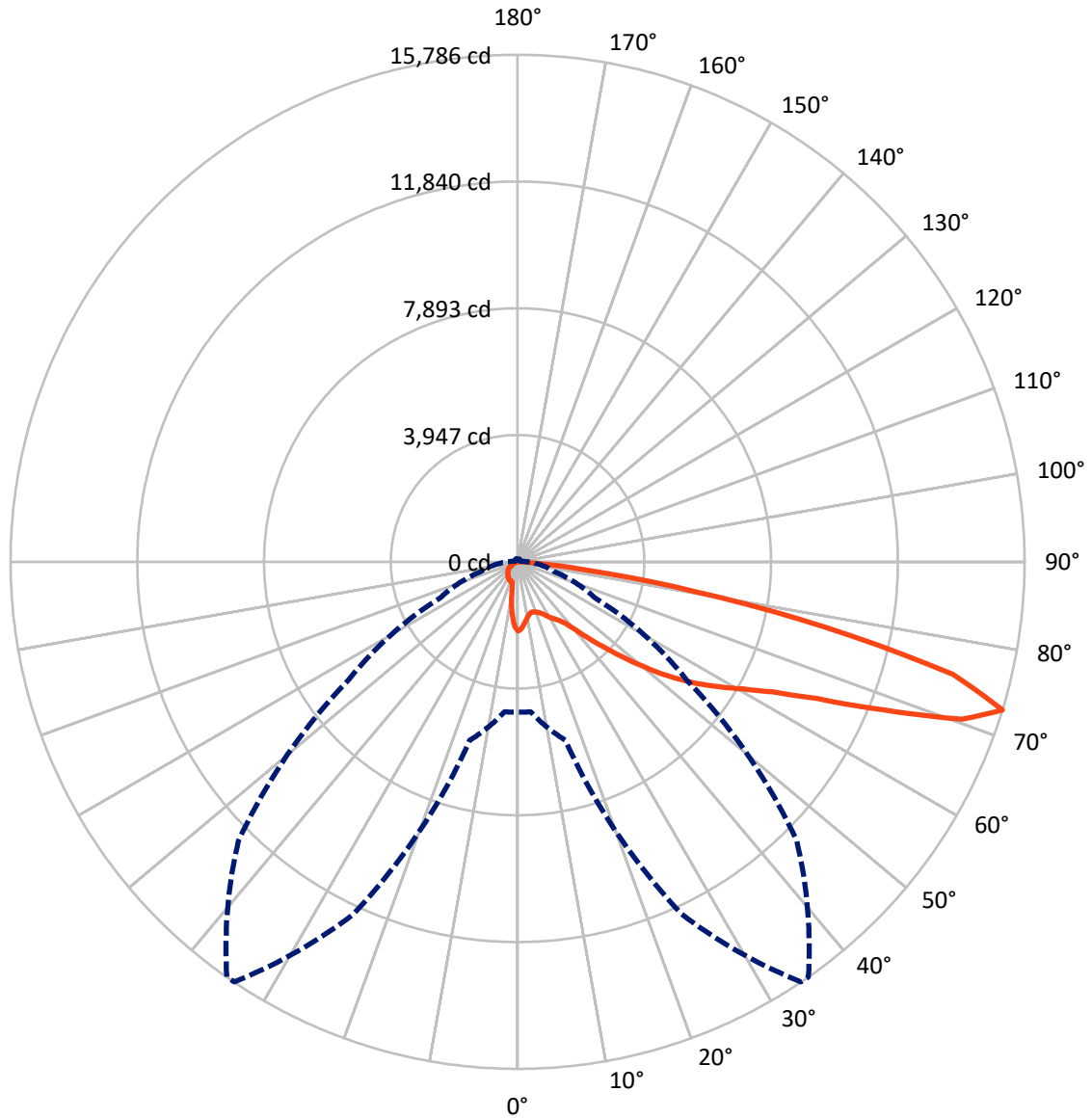
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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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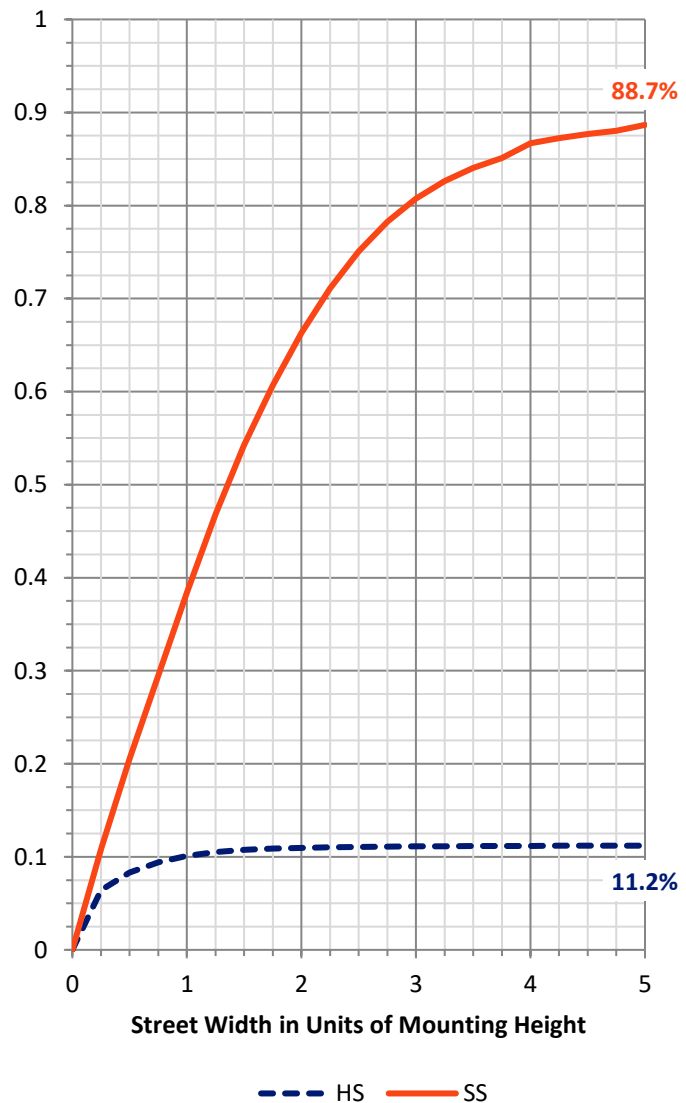
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1675.1	0.0	1675.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	13208.9	0.0	13208.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	14884.0	0.0	14884.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.3	1.2
10°-20°	414.7	2.8
20°-30°	673.7	4.5
30°-40°	1124.0	7.6
40°-50°	2126.6	14.3
50°-60°	3379.1	22.7
60°-70°	4180.2	28.1
70°-80°	2598.5	17.5
80°-90°	210.0	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°	14884.0	100.0
0°-180°	14884.0	100.0

Coefficient of Utilization



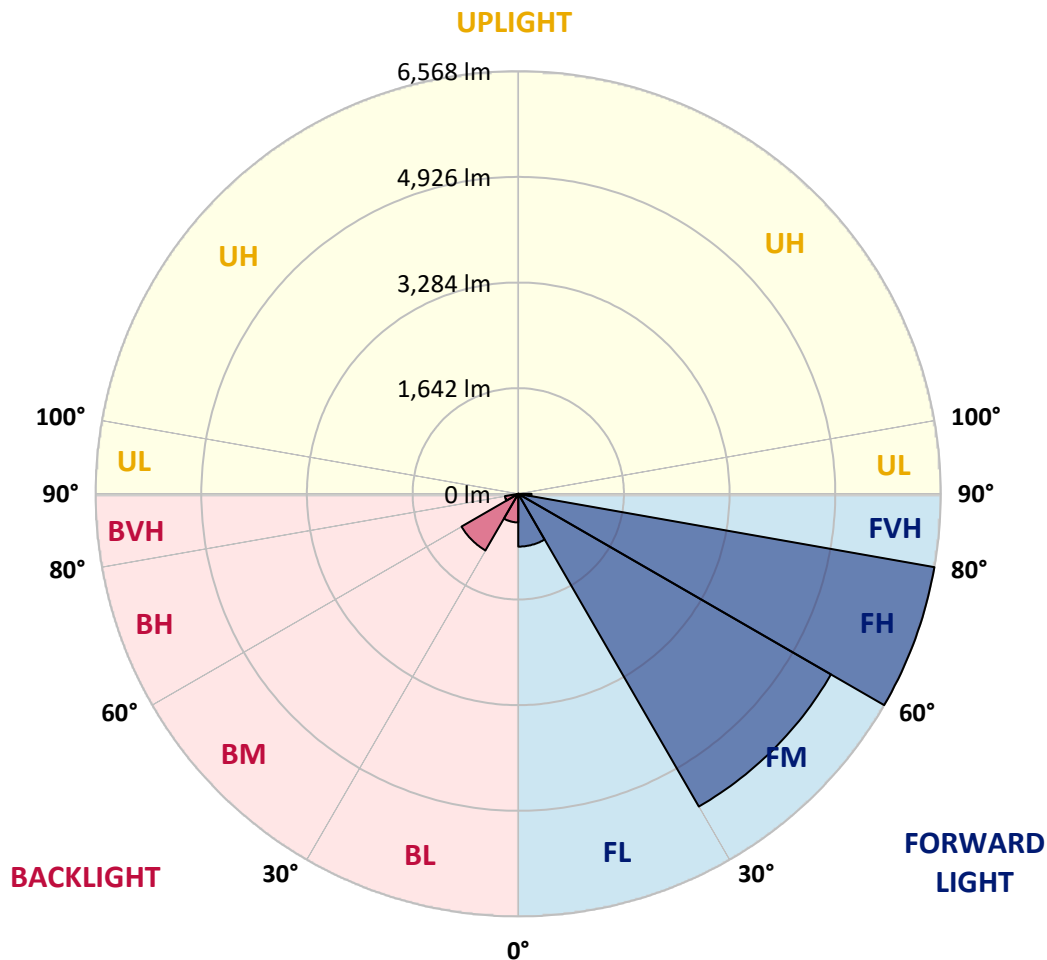
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	820.5	5.5			
FM	(30°-60°)	5612.8	37.7			
FH	(60°-80°)	6568.5	44.1			G3/7500
FVH	(80°-90°)	207.1	1.4			G2/225
BL	(0°-30°)	445.1	3.0	B1/500		
BM	(30°-60°)	1017.0	6.8	B2/2500		
BH	(60°-80°)	210.2	1.4	B1/500		G1/500
BVH	(80°-90°)	2.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2
2.5°	2061.2	2078.7	2081.9	2087.4	2087.4	2093.9	2104.8	2120.1	2145.2	2158.3
5°	1899.8	1912.9	1929.3	1942.3	1967.4	1970.7	2013.2	2054.7	2112.5	2156.1
7.5°	1737.3	1752.6	1774.4	1806.0	1838.7	1848.6	1912.9	1982.7	2074.3	2156.1
10°	1622.8	1623.9	1643.5	1675.1	1727.5	1739.5	1818.0	1917.3	2031.8	2143.0
12.5°	1558.5	1566.1	1574.8	1598.8	1649.0	1656.6	1740.6	1857.3	1989.2	2135.4
15°	1558.5	1563.9	1569.4	1581.4	1621.7	1628.3	1702.4	1819.1	1967.4	2138.7
17.5°	1574.8	1583.5	1579.2	1593.4	1635.9	1640.3	1705.7	1808.2	1966.3	2159.4
20°	1614.1	1620.6	1611.9	1620.6	1663.2	1671.9	1739.5	1828.9	1984.9	2195.4
22.5°	1676.2	1679.5	1658.8	1665.3	1709.0	1719.9	1798.4	1887.8	2029.6	2253.2
25°	1754.8	1761.3	1729.7	1737.3	1778.8	1791.8	1882.4	1976.2	2100.5	2332.8
27.5°	1845.3	1848.6	1821.3	1820.2	1873.6	1892.2	1983.8	2085.2	2195.4	2433.1
30°	1948.9	1958.7	1932.5	1928.2	1995.8	2011.1	2101.6	2219.4	2335.0	2583.6
32.5°	2030.7	2038.3	2023.0	2034.0	2102.7	2114.7	2244.4	2409.1	2554.2	2797.4
35°	2148.5	2152.8	2117.9	2137.6	2216.1	2246.6	2439.7	2675.2	2830.1	3065.7
37.5°	2574.9	2574.9	2426.6	2329.5	2404.8	2432.0	2706.8	3010.0	3170.4	3425.5
40°	3164.9	3155.1	2938.1	2739.6	2729.8	2783.2	3087.5	3432.1	3609.9	3857.4
42.5°	3794.2	3778.9	3483.4	3287.0	3254.3	3272.9	3527.0	3952.3	4133.3	4384.2
45°	4352.6	4348.2	4077.7	3813.8	3754.9	3813.8	4075.5	4560.9	4690.6	4954.6
47.5°	4820.4	4820.4	4623.0	4450.7	4420.2	4455.1	4818.2	5235.9	5223.9	5562.0
50°	5359.2	5354.8	5167.2	5093.1	5124.7	5173.8	5673.3	5947.0	5775.8	6158.6
52.5°	5736.5	5762.7	5698.3	5686.3	5847.8	5932.8	6541.4	6642.8	6269.8	6724.6
55°	6035.3	6065.9	6140.0	6224.0	6534.8	6646.1	7382.2	7302.6	6683.1	7215.4
57.5°	6458.5	6414.9	6529.4	6695.1	7197.9	7332.0	8196.9	7925.3	7015.8	7613.4
60°	6972.2	6978.7	6998.3	7207.7	7859.9	8032.2	8999.6	8514.3	7229.5	7857.7
62.5°	7589.4	7599.2	7639.6	7961.3	8748.7	8911.2	9854.6	8996.3	7327.7	7789.0
65°	7546.9	7588.3	8038.8	9139.2	10100.0	10260.3	10852.5	9334.4	7179.4	7160.8
67.5°	6875.1	6942.7	7696.3	10546.0	12137.2	12316.1	12058.7	9400.9	6539.2	5568.6
70°	5993.9	6017.9	6924.2	11811.1	14496.1	14677.2	13138.4	8669.1	4962.2	3106.0
72.5°	4680.8	4686.3	5749.6	12104.5	15776.5	15786.3	12291.0	6435.6	2668.7	1193.1
75°	3343.8	3311.0	3850.9	9816.4	13880.0	13991.2	9214.4	3018.8	1019.7	563.8
77.5°	1792.9	1828.9	2179.0	5821.6	9588.5	9778.2	5027.6	870.3	519.1	383.9
80°	554.0	584.6	893.2	2665.4	5431.1	5545.7	1863.8	387.2	362.1	273.7
82.5°	174.5	181.0	416.6	1120.0	2254.3	2306.6	539.8	219.2	247.6	181.0
85°	50.2	51.3	185.4	417.7	557.3	568.2	151.6	85.1	141.8	112.3
87.5°	5.5	17.4	69.8	69.8	49.1	48.0	16.4	18.5	40.4	14.2
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°
2157.2	0°	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2	2157.2
2167.0	2.5°	2161.6	2162.6	2148.5	2124.5	2098.3	2076.5	2049.2	2027.4	2012.1	2007.8
2186.6	5°	2176.8	2169.2	2128.8	2055.8	1968.5	1893.3	1809.3	1742.8	1699.1	1680.6
2207.4	7.5°	2199.7	2177.9	2089.6	1945.6	1778.8	1630.4	1479.9	1363.2	1289.1	1252.0
2227.0	10°	2219.4	2175.7	2024.1	1786.4	1531.2	1306.5	1103.7	963.0	884.5	847.4
2249.9	12.5°	2237.9	2174.6	1939.1	1597.7	1252.0	977.2	788.5	718.7	696.9	689.3
2287.0	15°	2272.8	2177.9	1832.2	1381.8	973.9	738.3	669.6	668.5	672.9	670.7
2343.7	17.5°	2320.8	2181.2	1711.1	1152.8	751.4	651.1	647.8	657.6	664.2	660.9
2414.6	20°	2382.9	2194.3	1582.4	925.9	645.6	629.3	636.9	645.6	651.1	645.6
2509.5	22.5°	2470.2	2217.2	1441.8	743.8	611.8	616.2	622.7	632.5	638.0	630.4
2630.5	25°	2577.1	2253.2	1303.3	646.7	595.5	600.9	610.7	621.6	628.2	620.5
2783.2	27.5°	2715.6	2311.0	1175.7	624.9	579.1	582.4	596.6	612.9	621.6	611.8
3000.2	30°	2916.2	2405.8	1065.5	634.7	569.3	561.7	581.3	604.2	614.0	605.3
3295.8	32.5°	3182.3	2540.0	997.9	650.0	564.9	537.7	556.2	585.6	602.0	596.6
3681.8	35°	3531.3	2743.9	971.7	667.4	561.7	512.6	525.7	557.3	585.6	591.1
4168.2	37.5°	3954.5	3027.5	979.4	675.1	551.8	491.9	498.4	525.7	562.7	580.2
4715.7	40°	4435.4	3357.9	1023.0	667.4	540.9	474.4	475.5	496.2	528.9	555.1
5304.6	42.5°	4931.7	3744.0	1103.7	639.1	531.1	459.1	455.9	470.0	491.9	510.4
5892.5	45°	5403.9	4141.0	1183.3	599.8	519.1	443.9	436.2	441.7	446.1	453.7
6465.0	47.5°	5816.1	4420.2	1160.4	563.8	502.8	426.4	413.3	411.2	398.1	397.0
6976.5	50°	6100.8	4481.2	1030.6	527.8	478.8	406.8	386.1	373.0	350.1	339.2
7359.3	52.5°	6191.3	4240.2	841.9	491.9	439.5	380.6	351.2	330.4	302.1	292.3
7579.6	55°	6071.3	3768.0	672.9	448.2	385.0	345.7	313.0	285.7	262.8	250.8
7603.6	57.5°	5778.0	3167.1	532.2	397.0	327.2	306.5	273.7	246.5	226.8	214.8
7337.5	60°	5291.6	2514.9	421.0	335.9	279.2	263.9	230.1	212.7	195.2	181.0
6650.4	62.5°	4553.2	1795.1	330.4	266.1	233.4	215.9	196.3	183.2	162.5	142.9
5414.8	65°	3553.1	1098.2	255.2	195.2	187.6	178.9	166.9	154.9	129.8	110.1
3532.4	67.5°	2241.2	520.2	182.1	147.2	148.3	144.0	138.5	128.7	110.1	92.7
1582.4	70°	987.0	251.9	120.0	112.3	110.1	110.1	114.5	111.2	93.8	77.4
549.7	72.5°	335.9	135.2	89.4	85.1	79.6	78.5	96.0	92.7	75.3	60.0
273.7	75°	175.6	90.5	65.4	61.1	48.0	57.8	76.3	72.0	53.4	39.3
181.0	77.5°	114.5	64.3	44.7	39.3	27.3	38.2	56.7	50.2	31.6	19.6
118.9	80°	72.0	42.5	26.2	18.5	13.1	20.7	30.5	21.8	12.0	4.4
69.8	82.5°	38.2	21.8	9.8	6.5	5.5	6.5	7.6	5.5	2.2	0.0
36.0	85°	15.3	7.6	3.3	2.2	1.1	0.0	2.2	1.1	0.0	0.0
6.5	87.5°	5.5	1.1	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°
2157.2
2015.4
1687.1
1257.5
848.5
687.1
669.6
659.8
644.5
629.3
619.5
611.8
604.2
596.6
591.1
584.6
563.8
518.0
458.0
395.9
340.3
291.2
250.8
212.7
177.8
139.6
106.9
90.5
74.2
56.7
36.0
17.4
3.3
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