

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: P951168

Luminaire Tested: **GLAN-SB5B-927-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-927-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14415 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

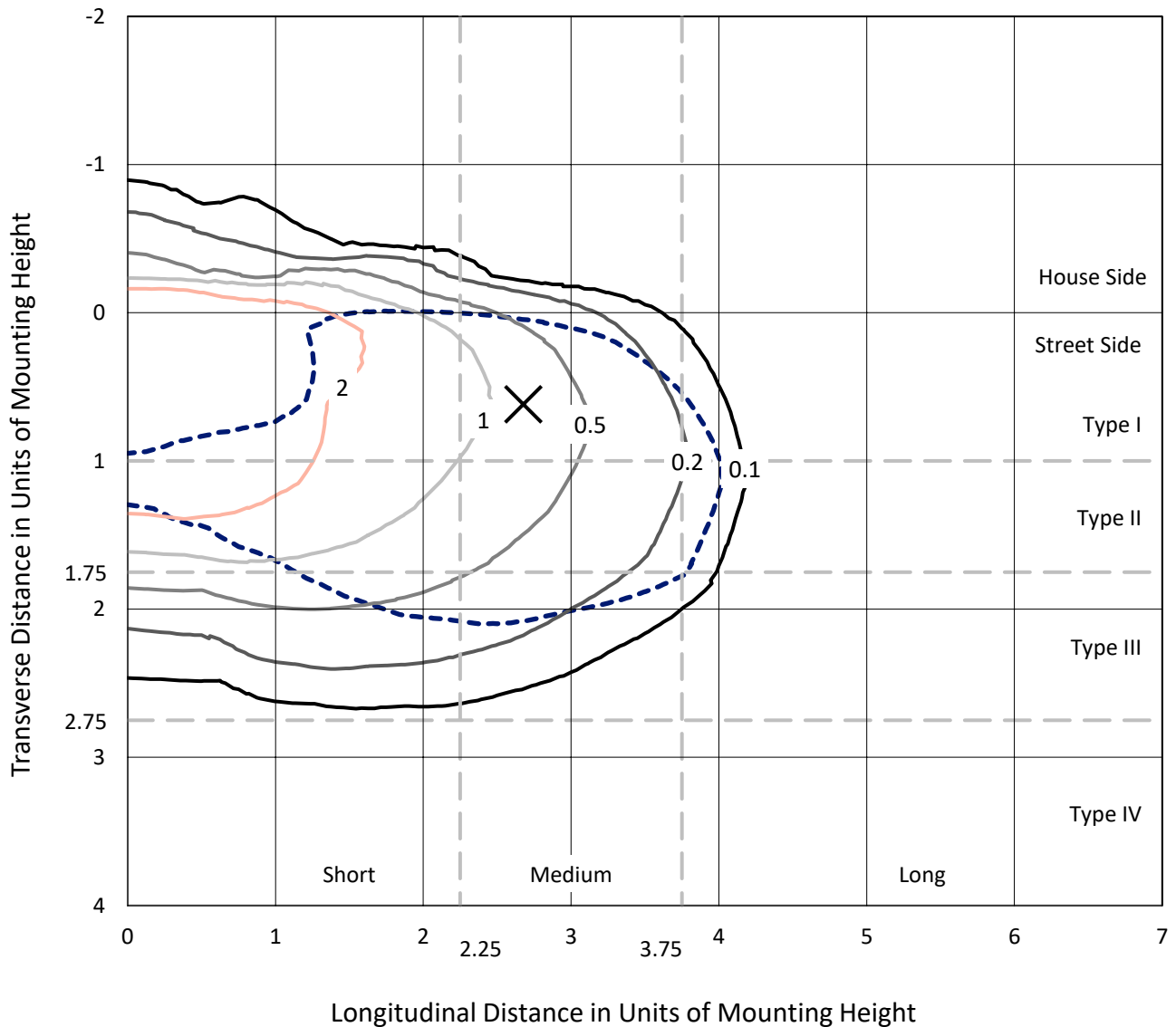
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

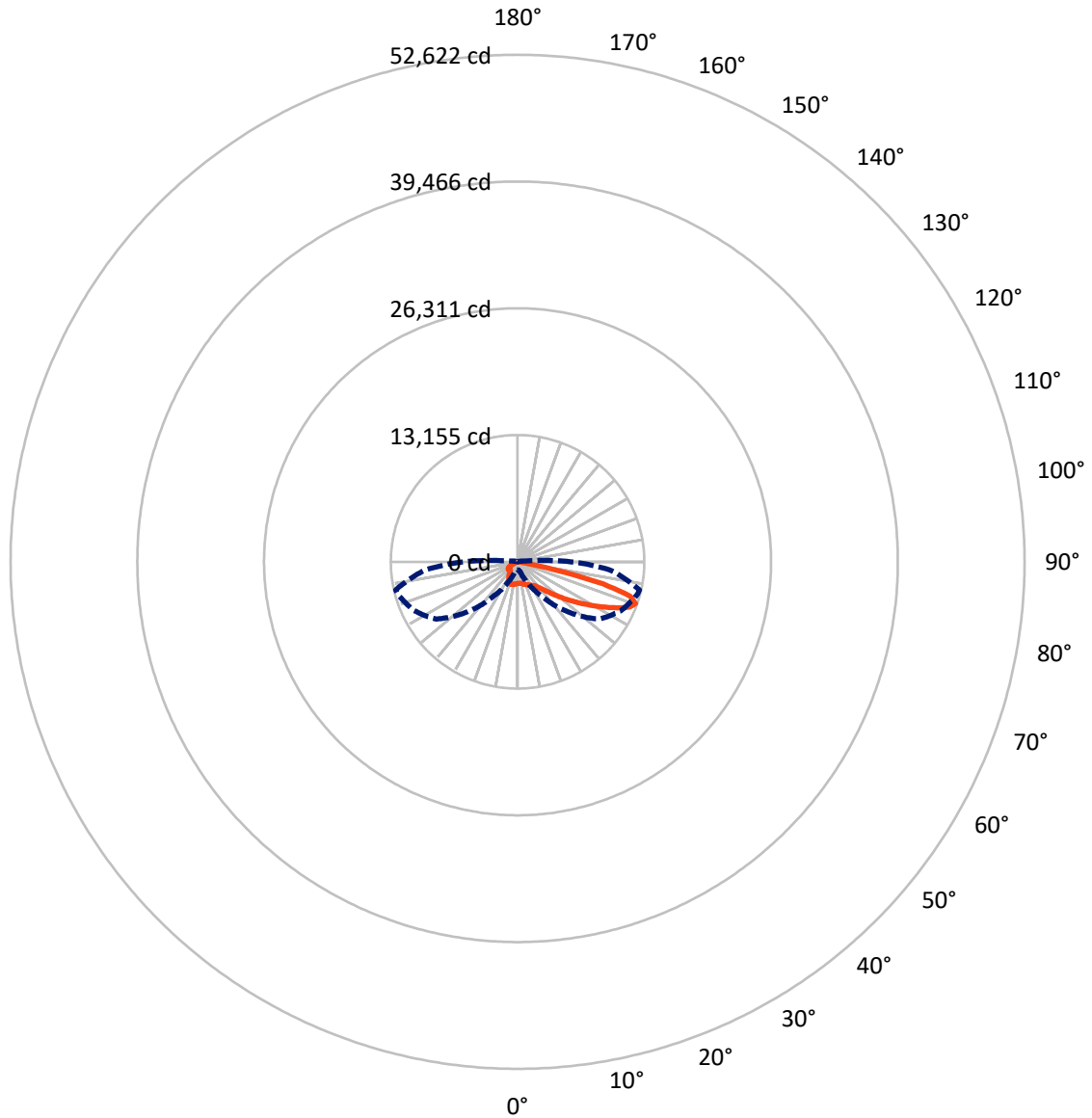
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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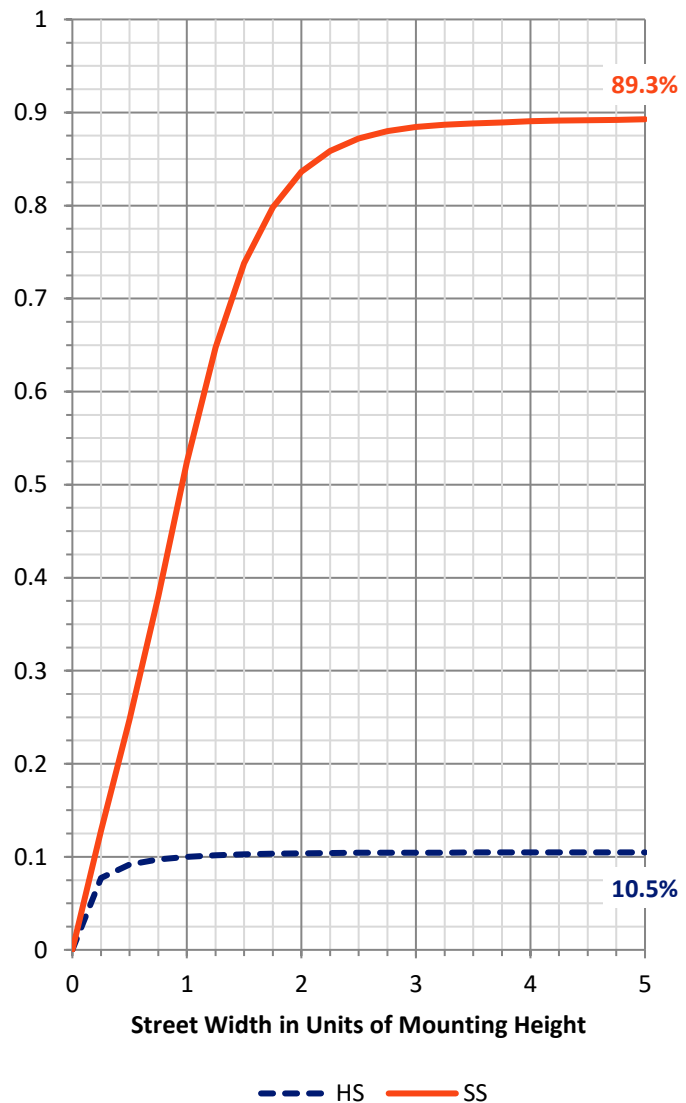
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1519.5	0.0	1519.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	12895.5	0.0	12895.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	14415.0	0.0	14415.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.8	1.3
10°-20°	460.0	3.2
20°-30°	711.5	4.9
30°-40°	1291.1	9.0
40°-50°	2437.1	16.9
50°-60°	3521.4	24.4
60°-70°	3748.4	26.0
70°-80°	1986.4	13.8
80°-90°	65.2	0.5
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°	14415.0	100.0
0°-180°	14415.0	100.0

Coefficient of Utilization

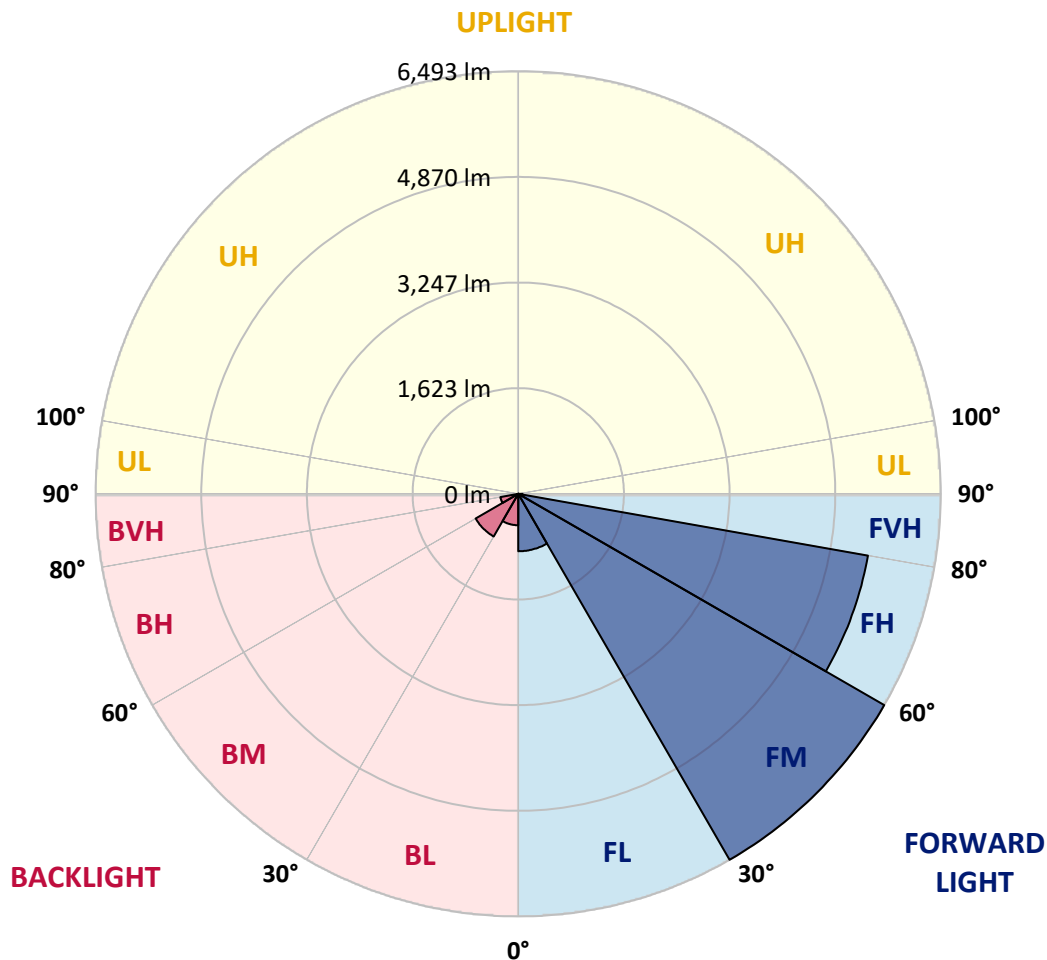


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	882.5	6.1			
FM (30°-60°)	6493.2	45.0			
FH (60°-80°)	5456.3	37.9			G3/7500
FVH (80°-90°)	63.5	0.4			G1/100
BL (0°-30°)	482.8	3.3	B1/500		
BM (30°-60°)	756.4	5.2	B1/1000		
BH (60°-80°)	278.6	1.9	B1/500		G1/500
BVH (80°-90°)	1.8	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2248.5	2248.5	2248.5	2248.5	2248.5	2248.5	2248.5	2248.5	2248.5	2248.5
2.5°	2111.0	2130.1	2127.4	2140.2	2144.7	2162.9	2181.1	2205.7	2233.0	2232.1
5°	1991.8	2010.9	2015.4	2032.7	2054.6	2082.8	2120.1	2169.3	2220.3	2228.5
7.5°	1850.7	1870.7	1882.5	1917.1	1957.2	2015.4	2076.4	2148.3	2233.0	2244.8
10°	1709.6	1727.8	1743.3	1792.4	1856.1	1942.6	2041.8	2145.6	2259.4	2276.7
12.5°	1622.2	1639.5	1656.8	1699.6	1778.8	1884.4	2019.1	2158.4	2303.1	2327.7
15°	1591.2	1606.7	1620.4	1658.6	1732.3	1852.5	2014.5	2184.8	2358.6	2391.4
17.5°	1595.8	1604.0	1613.1	1642.2	1714.1	1837.9	2022.7	2230.3	2424.2	2453.3
20°	1622.2	1626.7	1627.6	1647.7	1711.4	1836.1	2039.1	2274.0	2486.1	2525.2
22.5°	1655.9	1657.7	1655.9	1669.5	1728.7	1849.8	2061.0	2326.8	2555.3	2591.7
25°	1813.3	1778.8	1735.1	1708.7	1757.8	1876.2	2093.7	2397.8	2630.8	2666.3
27.5°	2302.2	2203.0	2046.4	1870.7	1817.9	1914.4	2139.2	2469.7	2707.3	2739.1
30°	3096.0	2965.8	2700.0	2304.0	2010.9	1994.5	2198.4	2541.6	2788.3	2822.9
32.5°	3891.6	3859.7	3553.0	3005.0	2445.1	2172.9	2296.7	2639.0	2895.7	2923.0
35°	4696.3	4631.7	4380.4	3838.8	3114.2	2536.1	2460.6	2766.4	3036.8	3067.8
37.5°	5312.6	5273.5	5117.8	4671.7	3908.0	3096.9	2741.0	2964.0	3241.6	3276.2
40°	5857.0	5838.8	5786.0	5491.9	4795.5	3830.6	3177.0	3269.9	3525.7	3566.6
42.5°	6284.8	6327.6	6357.6	6275.7	5710.4	4668.1	3763.2	3699.5	3921.6	3963.5
45°	6722.7	6737.2	6858.3	6976.7	6618.9	5543.8	4424.1	4202.9	4414.1	4466.0
47.5°	7004.0	7062.2	7275.2	7483.7	7382.7	6412.3	5134.2	4797.4	4984.9	5082.3
50°	7024.9	7135.1	7428.2	7791.4	7938.9	7238.8	5906.1	5474.6	5674.0	5781.4
52.5°	6676.3	6847.4	7301.6	7833.3	8239.3	7938.9	6704.5	6151.9	6407.7	6547.9
55°	5118.7	5342.6	6825.5	7605.7	8251.1	8469.6	7481.9	6857.4	7225.2	7383.6
57.5°	4459.6	4572.5	5366.3	7210.6	8031.7	8683.5	8184.6	7529.2	8114.6	8311.2
60°	3710.4	3858.8	4500.6	6564.3	7734.0	8704.4	8805.5	8395.8	9078.6	9299.8
62.5°	2521.6	2682.7	3320.8	5453.7	7327.1	8694.4	9314.3	9288.0	10150.0	10387.6
65°	1562.1	1663.1	2083.7	4453.3	6758.2	8705.3	9846.9	10371.2	11280.6	11521.9
67.5°	1234.4	1280.8	1500.2	3419.1	5777.8	8459.6	10378.5	11389.9	12344.8	12536.0
70°	829.3	857.5	1091.5	2292.2	4298.5	7325.3	10368.5	11901.5	12892.8	12988.4
72.5°	437.0	458.8	638.1	1061.4	2596.2	5207.0	8739.9	11289.7	12347.5	12203.7
75°	218.5	254.9	429.7	538.9	1108.8	2903.9	5427.3	8901.1	9718.5	9161.4
77.5°	165.7	200.3	355.0	355.0	386.0	977.7	2298.5	4854.7	4477.8	3728.7
80°	105.6	136.5	310.4	268.5	161.1	248.5	599.0	1360.0	951.3	723.7
82.5°	61.9	89.2	258.5	177.5	90.1	91.9	169.3	289.5	246.7	192.1
85°	24.6	58.3	177.5	70.1	35.5	22.8	51.0	61.9	51.0	38.2
87.5°	0.0	13.7	31.0	0.0	2.7	1.8	3.6	4.6	4.6	3.6
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°
2248.5	0°	2248.5	2248.5	2248.5	2248.5	2248.5	2248.5	2248.5	2248.5	2248.5	2248.5
2250.3	2.5°	2258.5	2260.3	2265.8	2266.7	2253.9	2237.6	2231.2	2228.5	2217.5	2216.6
2264.9	5°	2285.8	2294.0	2285.8	2262.1	2205.7	2126.5	2066.4	2017.3	1972.7	1959.0
2314.9	7.5°	2340.4	2348.6	2324.0	2231.2	2089.2	1931.7	1789.7	1689.5	1599.4	1565.7
2375.9	10°	2418.7	2429.6	2352.3	2164.7	1913.5	1660.4	1420.1	1250.8	1118.8	1065.1
2458.8	12.5°	2517.0	2521.6	2367.7	2063.7	1685.0	1323.6	983.1	802.0	684.6	640.9
2558.9	15°	2625.4	2619.0	2369.6	1926.2	1373.7	935.8	641.8	527.1	479.7	465.2
2659.0	17.5°	2739.1	2712.7	2333.1	1727.8	1032.3	640.0	476.1	448.8	440.6	437.0
2758.3	20°	2851.1	2791.9	2266.7	1468.3	741.0	477.9	432.4	424.2	419.7	417.8
2858.4	22.5°	2953.1	2852.0	2152.9	1167.0	538.0	422.4	408.7	401.4	393.3	389.6
2955.8	25°	3052.3	2886.6	1992.7	885.7	430.6	395.1	384.2	370.5	359.6	355.0
3060.5	27.5°	3148.8	2908.5	1792.4	655.4	384.2	369.6	349.6	330.4	322.3	320.4
3172.5	30°	3251.6	2915.7	1564.8	488.8	355.9	337.7	308.6	286.7	282.2	283.1
3323.6	32.5°	3377.3	2926.7	1335.4	400.5	332.3	299.5	264.9	242.1	238.5	242.1
3543.9	35°	3527.5	2948.5	1114.2	368.7	311.3	260.4	223.0	203.9	200.3	203.0
3826.1	37.5°	3731.4	2984.0	907.6	362.3	294.0	227.6	187.5	172.0	172.0	173.0
4172.0	40°	4002.7	3078.7	722.8	357.8	284.9	203.0	158.4	152.0	154.8	156.6
4612.6	42.5°	4333.1	3279.9	598.1	352.3	274.9	192.1	143.8	141.1	145.7	147.5
5140.6	45°	4703.6	3534.8	554.4	343.2	265.8	199.4	137.5	133.8	139.3	140.2
5732.3	47.5°	5086.8	3784.2	548.9	333.2	256.7	210.3	135.6	127.4	133.8	134.7
6364.0	50°	5474.6	3947.1	554.4	317.7	242.1	210.3	136.5	121.1	126.5	129.3
7019.4	52.5°	5865.2	4021.8	550.7	284.0	216.7	197.5	136.5	115.6	121.1	122.9
7727.7	55°	6243.9	4007.2	495.2	234.0	183.9	174.8	132.9	111.1	114.7	115.6
8396.8	57.5°	6543.3	3804.2	392.3	182.1	149.3	145.7	121.1	105.6	108.3	107.4
9010.3	60°	6699.9	3358.2	280.4	140.2	117.4	114.7	106.5	98.3	100.1	95.6
9530.1	62.5°	6701.7	2768.3	187.5	111.1	93.8	91.0	91.0	88.3	86.5	77.4
9932.5	65°	6558.8	2113.8	124.7	88.3	75.6	71.0	76.5	75.6	69.2	56.4
10055.3	67.5°	6234.8	1385.5	94.7	69.2	58.3	55.5	61.0	63.7	59.2	47.3
9607.5	70°	5568.4	806.5	78.3	53.7	43.7	41.0	49.2	54.6	49.2	38.2
8212.0	72.5°	4625.3	435.1	63.7	40.1	30.0	27.3	39.1	44.6	39.1	28.2
5268.9	75°	3001.3	233.0	49.2	26.4	15.5	17.3	29.1	32.8	27.3	18.2
1546.6	77.5°	1007.7	102.9	31.0	12.7	7.3	7.3	17.3	20.0	12.7	6.4
281.3	80°	224.8	42.8	12.7	5.5	2.7	2.7	3.6	3.6	1.8	0.0
86.5	82.5°	73.7	17.3	5.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
21.8	85°	28.2	6.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.3	87.5°	10.9	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°
2248.5
2218.4
1950.8
1552.1
1042.3
627.2
465.2
436.0
416.0
388.7
353.2
318.6
283.1
241.2
202.1
172.0
156.6
147.5
141.1
135.6
130.2
122.9
115.6
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94.7
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