

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: P852392

Luminaire Tested: **GLAN-SB3C-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852392
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-SB3C-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA 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: 16434 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

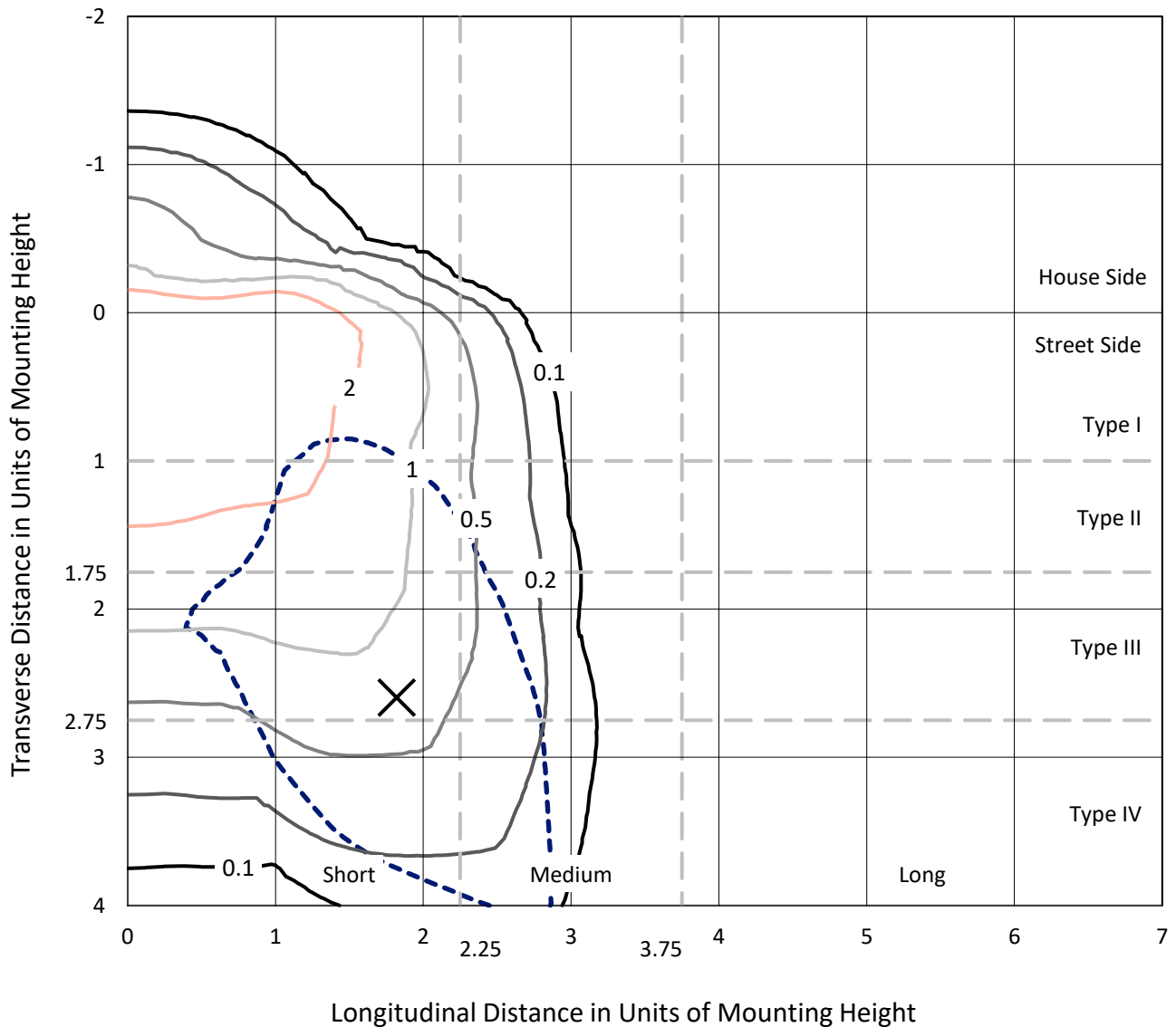
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

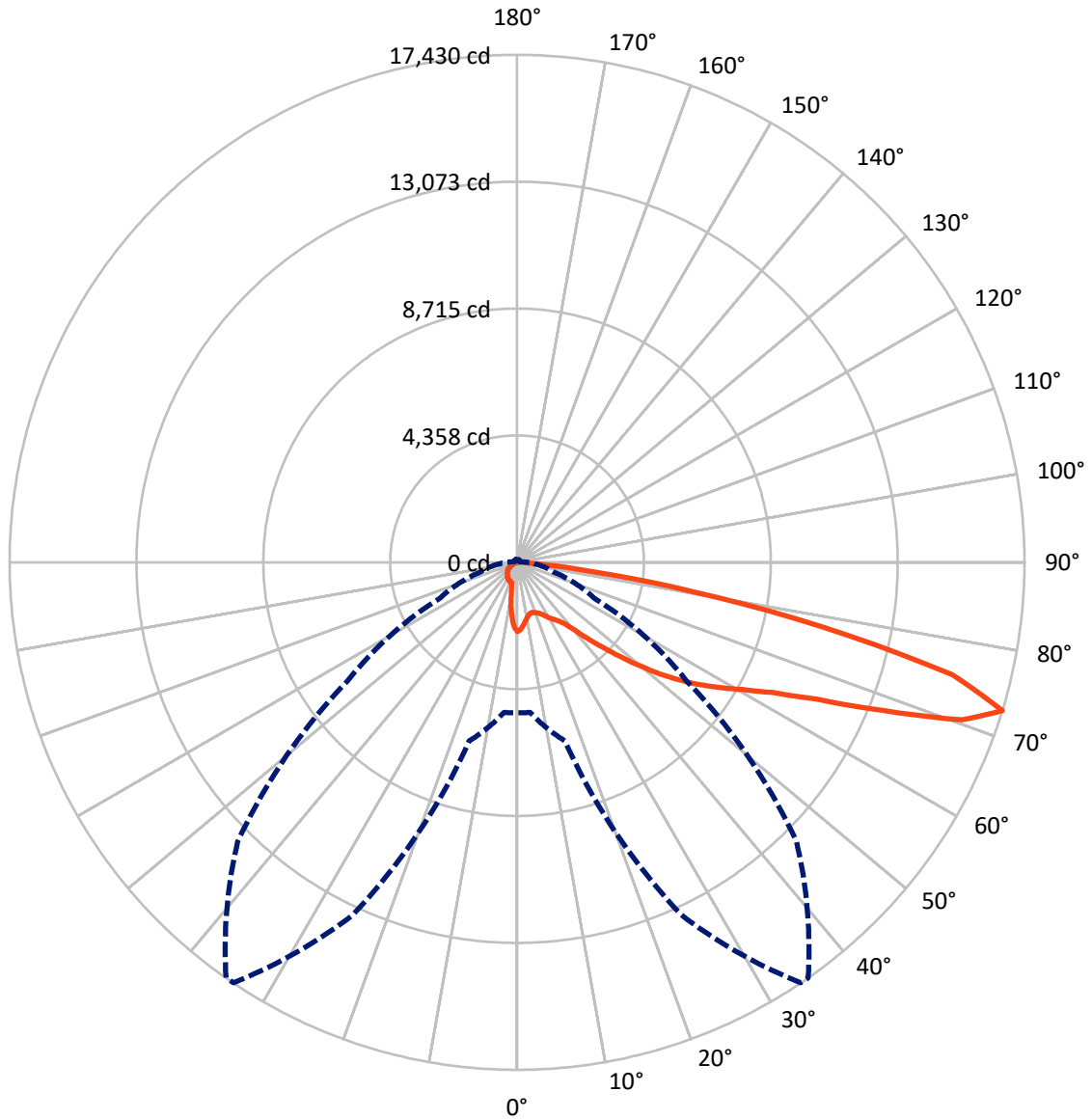
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type 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	1849.6	0.0	1849.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	14584.4	0.0	14584.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	16434.0	0.0	16434.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.7	1.2
10°-20°	457.9	2.8
20°-30°	743.8	4.5
30°-40°	1241.0	7.6
40°-50°	2348.1	14.3
50°-60°	3731.0	22.7
60°-70°	4615.6	28.1
70°-80°	2869.1	17.5
80°-90°	231.9	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°	16434.0	100.0
0°-180°	16434.0	100.0

Coefficient of Utilization



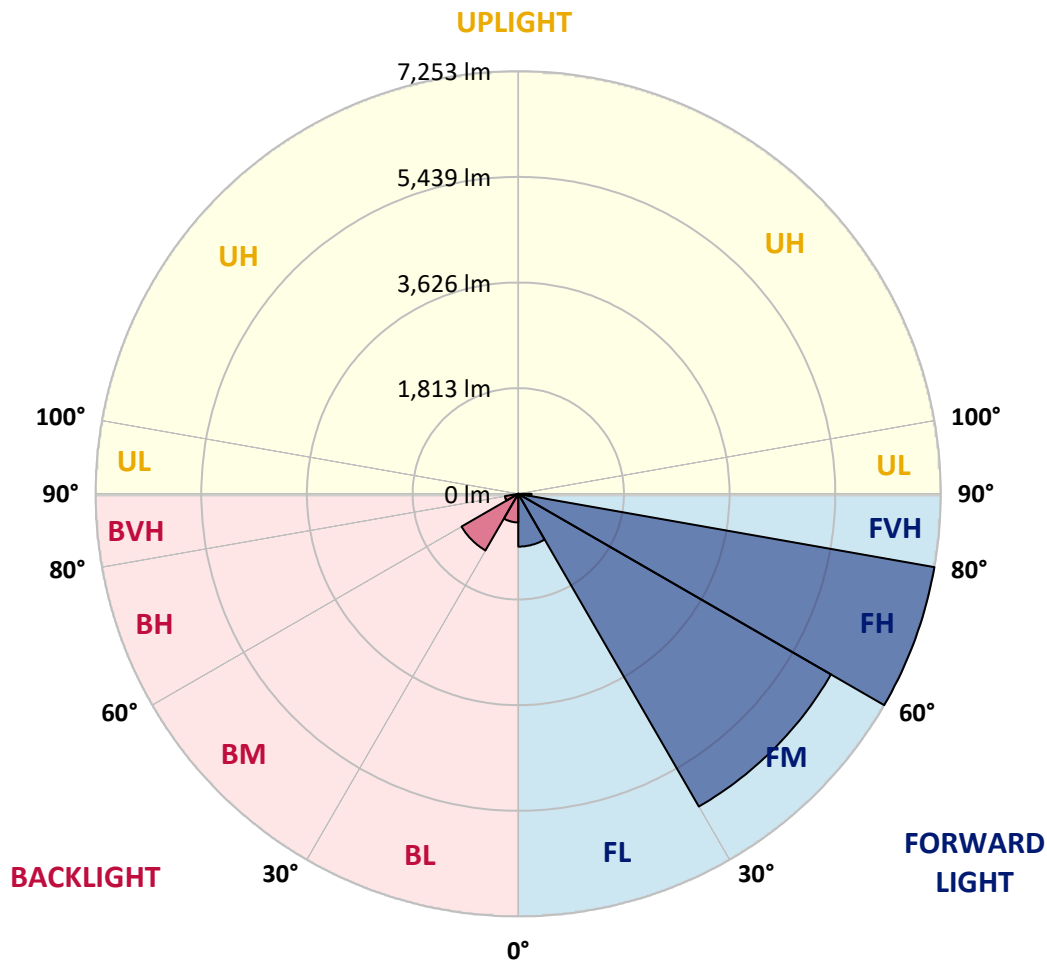
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	905.9	5.5			
FM (30°-60°)	6197.3	37.7			
FH (60°-80°)	7252.5	44.1			G3/7500
FVH (80°-90°)	228.7	1.4			G3/500
BL (0°-30°)	491.5	3.0	B1/500		
BM (30°-60°)	1122.9	6.8	B2/2500		
BH (60°-80°)	232.1	1.4	B1/500		G1/500
BVH (80°-90°)	3.2	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°	2381.8	2381.8	2381.8	2381.8	2381.8	2381.8	2381.8	2381.8	2381.8	2381.8
2.5°	2275.9	2295.1	2298.8	2304.8	2304.8	2312.0	2324.0	2340.9	2368.6	2383.0
5°	2097.7	2112.1	2130.2	2144.6	2172.3	2175.9	2222.9	2268.6	2332.5	2380.6
7.5°	1918.2	1935.1	1959.2	1994.1	2030.2	2041.1	2112.1	2189.2	2290.3	2380.6
10°	1791.8	1793.0	1814.7	1849.6	1907.4	1920.6	2007.3	2116.9	2243.4	2366.2
12.5°	1720.8	1729.2	1738.8	1765.3	1820.7	1829.1	1921.8	2050.7	2196.4	2357.8
15°	1720.8	1726.8	1732.8	1746.0	1790.6	1797.8	1879.7	2008.5	2172.3	2361.4
17.5°	1738.8	1748.4	1743.6	1759.3	1806.2	1811.1	1883.3	1996.5	2171.1	2384.2
20°	1782.2	1789.4	1779.8	1789.4	1836.4	1846.0	1920.6	2019.4	2191.6	2424.0
22.5°	1850.8	1854.4	1831.5	1838.8	1886.9	1899.0	1985.7	2084.4	2241.0	2487.8
25°	1937.5	1944.7	1909.8	1918.2	1964.0	1978.4	2078.4	2181.9	2319.2	2575.7
27.5°	2037.4	2041.1	2011.0	2009.8	2068.8	2089.2	2190.4	2302.4	2424.0	2686.5
30°	2151.8	2162.7	2133.8	2129.0	2203.6	2220.5	2320.4	2450.5	2578.1	2852.7
32.5°	2242.2	2250.6	2233.7	2245.8	2321.6	2334.9	2478.2	2660.0	2820.2	3088.7
35°	2372.2	2377.0	2338.5	2360.2	2446.9	2480.6	2693.7	2953.8	3124.8	3384.9
37.5°	2843.0	2843.0	2679.3	2572.1	2655.2	2685.3	2988.7	3323.5	3500.5	3782.3
40°	3494.5	3483.6	3244.0	3024.9	3014.0	3073.0	3409.0	3789.5	3985.8	4259.1
42.5°	4189.3	4172.4	3846.1	3629.4	3593.2	3613.7	3894.3	4363.9	4563.8	4840.7
45°	4805.8	4801.0	4502.4	4211.0	4145.9	4211.0	4500.0	5035.8	5179.1	5470.5
47.5°	5322.4	5322.4	5104.5	4914.2	4880.5	4919.0	5320.0	5781.2	5767.9	6141.2
50°	5917.3	5912.4	5705.3	5623.4	5658.4	5712.6	6264.1	6566.3	6377.3	6799.9
52.5°	6333.9	6362.8	6291.8	6278.5	6456.7	6550.7	7222.6	7334.6	6922.7	7424.9
55°	6663.8	6697.6	6779.4	6872.2	7215.4	7338.2	8151.0	8063.1	7379.1	7966.8
57.5°	7131.1	7082.9	7209.3	7392.4	7947.5	8095.6	9050.5	8750.7	7746.4	8406.3
60°	7698.2	7705.4	7727.1	7958.3	8678.4	8868.7	9936.8	9400.9	7982.4	8676.0
62.5°	8379.8	8390.6	8435.2	8790.4	9659.8	9839.2	10880.8	9933.2	8090.8	8600.1
65°	8332.8	8378.6	8875.9	10090.9	11151.8	11328.8	11982.6	10306.4	7927.0	7906.5
67.5°	7591.1	7665.7	8497.8	11644.3	13401.1	13598.6	13314.4	10379.9	7220.2	6148.5
70°	6618.1	6644.6	7645.2	13041.1	16005.8	16205.6	14506.6	9571.9	5478.9	3429.5
72.5°	5168.3	5174.3	6348.4	13365.0	17419.4	17430.3	13570.9	7105.8	2946.6	1317.4
75°	3692.0	3655.8	4251.9	10838.7	15325.4	15448.2	10174.0	3333.1	1125.9	622.6
77.5°	1979.6	2019.4	2405.9	6427.8	10587.0	10796.5	5551.2	960.9	573.2	423.9
80°	611.7	645.4	986.2	2943.0	5996.7	6123.2	2057.9	427.5	399.8	302.2
82.5°	192.7	199.9	460.0	1236.7	2489.0	2546.8	596.1	242.0	273.3	199.9
85°	55.4	56.6	204.7	461.2	615.3	627.4	167.4	93.9	156.5	124.0
87.5°	6.0	19.3	77.1	77.1	54.2	53.0	18.1	20.5	44.6	15.7
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°
2381.8	0°	2381.8	2381.8	2381.8	2381.8	2381.8	2381.8	2381.8	2381.8	2381.8	2381.8
2392.7	2.5°	2386.7	2387.9	2372.2	2345.7	2316.8	2292.7	2262.6	2238.5	2221.7	2216.9
2414.4	5°	2403.5	2395.1	2350.5	2269.9	2173.5	2090.4	1997.7	1924.3	1876.1	1855.6
2437.2	7.5°	2428.8	2404.7	2307.2	2148.2	1964.0	1800.2	1634.1	1505.2	1423.3	1382.4
2458.9	10°	2450.5	2402.3	2234.9	1972.4	1690.6	1442.6	1218.6	1063.3	976.6	935.6
2484.2	12.5°	2470.9	2401.1	2141.0	1764.1	1382.4	1078.9	870.6	793.5	769.5	761.0
2525.1	15°	2509.5	2404.7	2023.0	1525.7	1075.3	815.2	739.4	738.2	743.0	740.6
2587.7	17.5°	2562.5	2408.3	1889.3	1272.8	829.7	718.9	715.3	726.1	733.3	729.7
2666.0	20°	2631.1	2422.8	1747.2	1022.3	712.9	694.8	703.2	712.9	718.9	712.9
2770.8	22.5°	2727.4	2448.1	1591.9	821.2	675.5	680.4	687.6	698.4	704.4	696.0
2904.4	25°	2845.4	2487.8	1439.0	714.1	657.5	663.5	674.3	686.4	693.6	685.2
3073.0	27.5°	2998.4	2551.6	1298.1	690.0	639.4	643.0	658.7	676.7	686.4	675.5
3312.7	30°	3219.9	2656.4	1176.5	700.8	628.6	620.1	641.8	667.1	677.9	668.3
3639.0	32.5°	3513.8	2804.5	1101.8	717.7	623.8	593.7	614.1	646.6	664.7	658.7
4065.3	35°	3899.1	3029.7	1072.9	736.9	620.1	566.0	580.4	615.3	646.6	652.7
4602.3	37.5°	4366.3	3342.8	1081.3	745.4	609.3	543.1	550.3	580.4	621.3	640.6
5206.8	40°	4897.3	3707.6	1129.5	736.9	597.3	523.8	525.0	547.9	584.0	612.9
5857.1	42.5°	5445.2	4133.9	1218.6	705.6	586.4	507.0	503.3	519.0	543.1	563.5
6506.1	45°	5966.6	4572.2	1306.5	662.3	573.2	490.1	481.7	487.7	492.5	500.9
7138.3	47.5°	6421.8	4880.5	1281.2	622.6	555.1	470.8	456.4	454.0	439.5	438.3
7703.0	50°	6736.1	4947.9	1137.9	582.8	528.6	449.2	426.3	411.8	386.5	374.5
8125.7	52.5°	6836.0	4681.8	929.6	543.1	485.3	420.3	387.7	364.9	333.6	322.7
8368.9	55°	6703.6	4160.4	743.0	494.9	425.1	381.7	345.6	315.5	290.2	277.0
8395.4	57.5°	6379.7	3496.9	587.6	438.3	361.2	338.4	302.2	272.1	250.5	237.2
8101.6	60°	5842.6	2776.8	464.8	370.9	308.3	291.4	254.1	234.8	215.5	199.9
7343.0	62.5°	5027.4	1982.1	364.9	293.8	257.7	238.4	216.7	202.3	179.4	157.7
5978.7	65°	3923.2	1212.6	281.8	215.5	207.1	197.5	184.2	171.0	143.3	121.6
3900.3	67.5°	2474.6	574.4	201.1	162.6	163.8	158.9	152.9	142.1	121.6	102.4
1747.2	70°	1089.8	278.2	132.5	124.0	121.6	121.6	126.4	122.8	103.6	85.5
606.9	72.5°	370.9	149.3	98.7	93.9	87.9	86.7	106.0	102.4	83.1	66.2
302.2	75°	193.9	99.9	72.2	67.4	53.0	63.8	84.3	79.5	59.0	43.3
199.9	77.5°	126.4	71.0	49.4	43.3	30.1	42.1	62.6	55.4	34.9	21.7
131.3	80°	79.5	47.0	28.9	20.5	14.4	22.9	33.7	24.1	13.2	4.8
77.1	82.5°	42.1	24.1	10.8	7.2	6.0	7.2	8.4	6.0	2.4	0.0
39.7	85°	16.9	8.4	3.6	2.4	1.2	0.0	2.4	1.2	0.0	0.0
7.2	87.5°	6.0	1.2	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°
2381.8
2225.3
1862.8
1388.4
936.8
758.6
739.4
728.5
711.7
694.8
684.0
675.5
667.1
658.7
652.7
645.4
622.6
572.0
505.7
437.1
375.7
321.5
277.0
234.8
196.3
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