

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: P852744

Luminaire Tested: **GLAN-SB6A-830-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852744
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-SB6A-830-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA 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: 17684 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

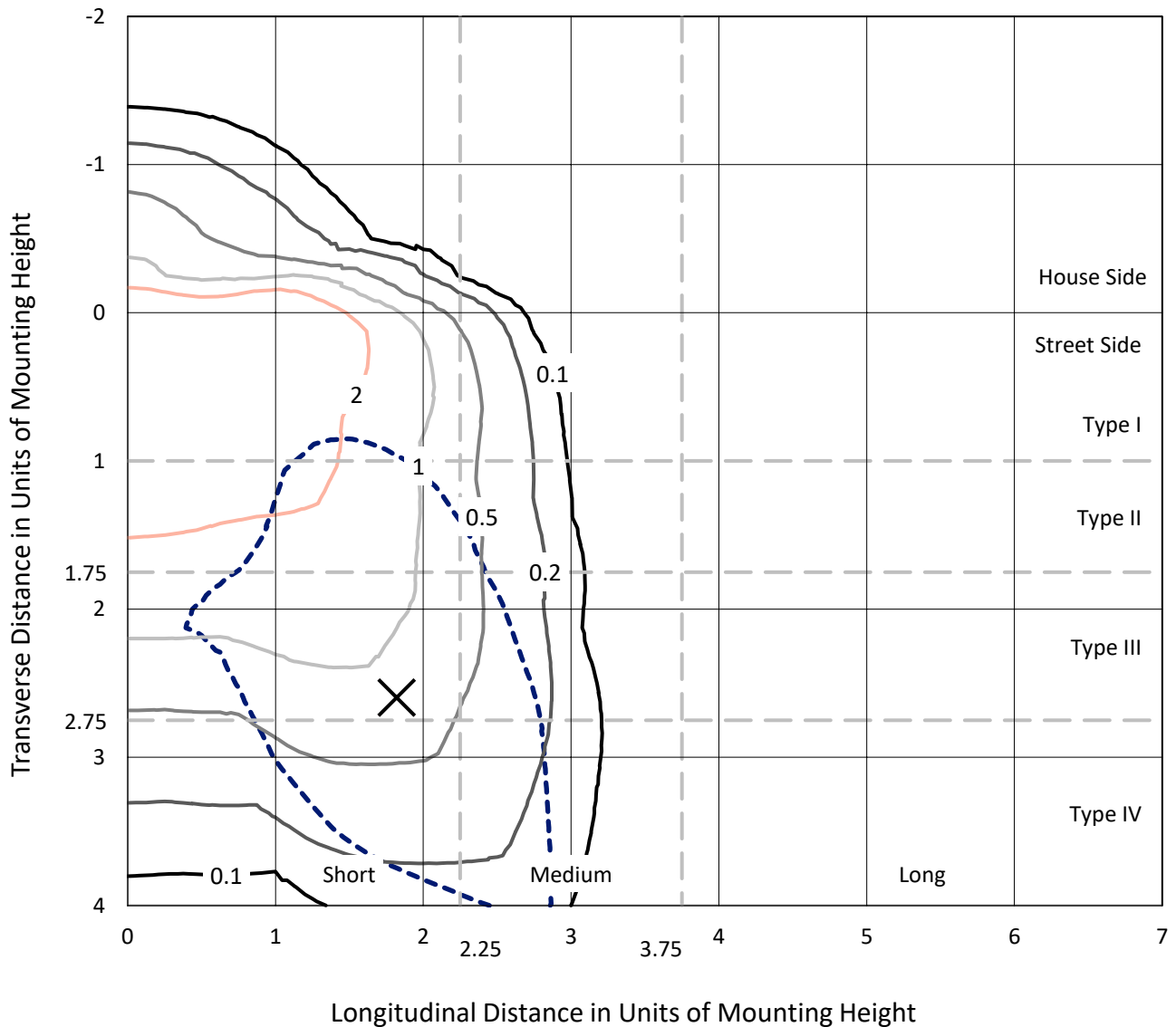
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

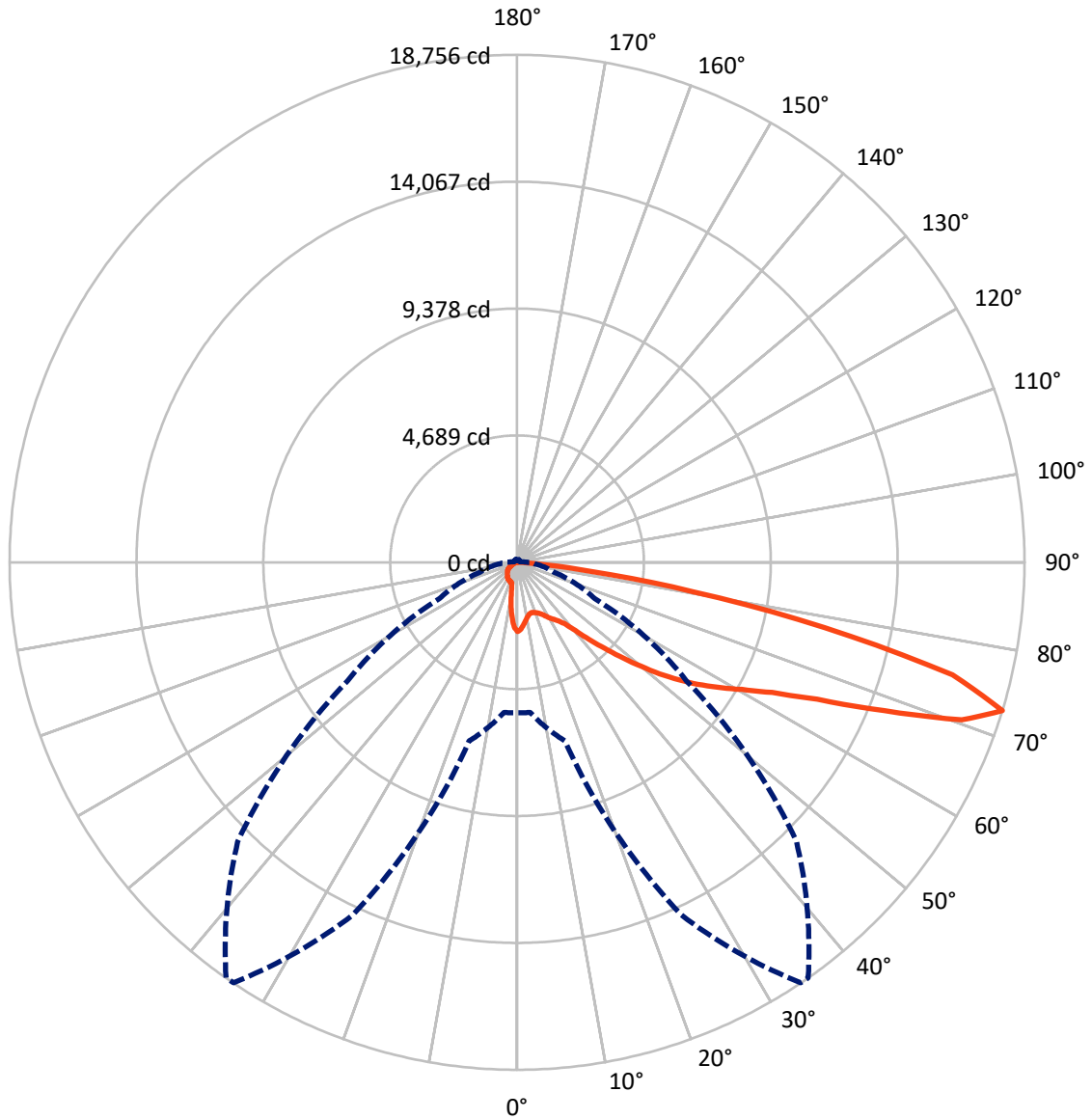
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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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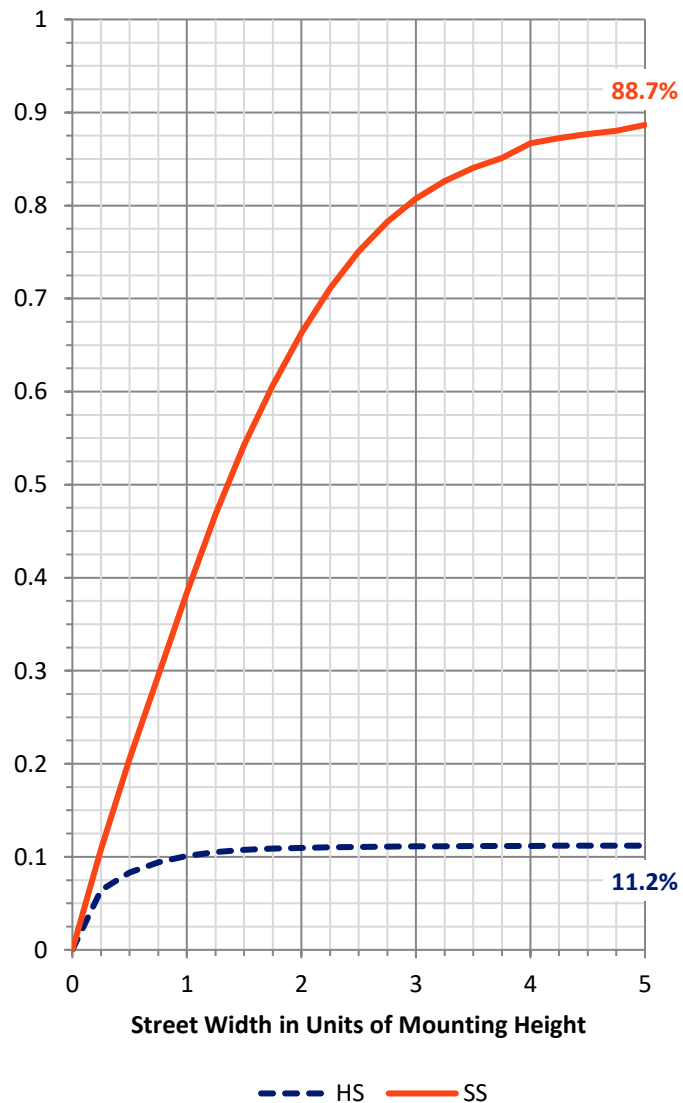
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1990.3	0.0	1990.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	15693.7	0.0	15693.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	17684.0	0.0	17684.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.6	1.2
10°-20°	492.7	2.8
20°-30°	800.4	4.5
30°-40°	1335.4	7.6
40°-50°	2526.6	14.3
50°-60°	4014.8	22.7
60°-70°	4966.6	28.1
70°-80°	3087.3	17.5
80°-90°	249.5	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°	17684.0	100.0
0°-180°	17684.0	100.0

Coefficient of Utilization



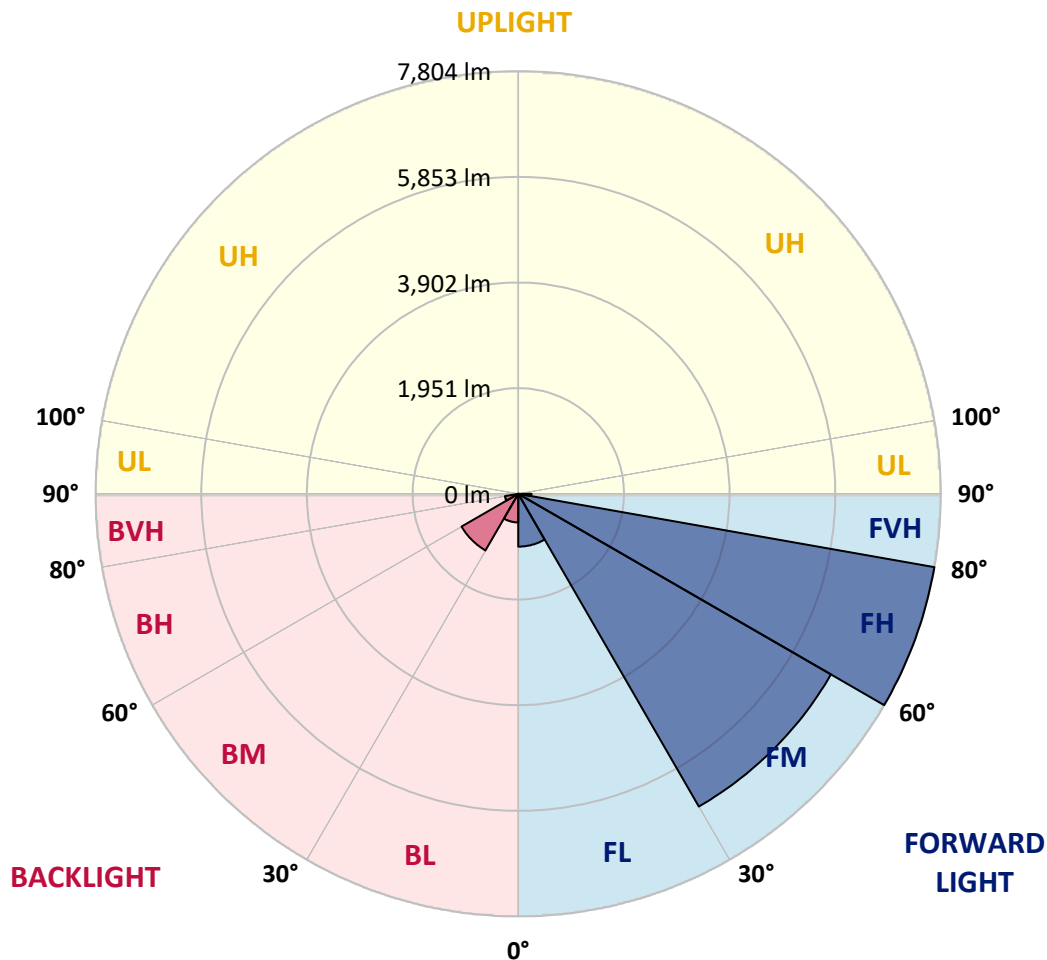
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	974.8	5.5			
FM	(30°-60°)	6668.6	37.7			
FH	(60°-80°)	7804.2	44.1			G4/12000
FVH	(80°-90°)	246.1	1.4			G3/500
BL	(0°-30°)	528.8	3.0	B2/1000		
BM	(30°-60°)	1208.3	6.8	B2/2500		
BH	(60°-80°)	249.7	1.4	B1/500		G1/500
BVH	(80°-90°)	3.4	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2563.0	2563.0	2563.0	2563.0	2563.0	2563.0	2563.0	2563.0	2563.0	2563.0
2.5°	2449.0	2469.7	2473.6	2480.1	2480.1	2487.9	2500.8	2518.9	2548.8	2564.3
5°	2257.2	2272.8	2292.2	2307.7	2337.5	2341.4	2392.0	2441.2	2509.9	2561.7
7.5°	2064.1	2082.3	2108.2	2145.8	2184.6	2196.3	2272.8	2355.7	2464.5	2561.7
10°	1928.1	1929.4	1952.7	1990.3	2052.5	2066.7	2160.0	2277.9	2414.0	2546.2
12.5°	1851.6	1860.7	1871.1	1899.6	1959.2	1968.3	2068.0	2206.7	2363.5	2537.1
15°	1851.6	1858.1	1864.6	1878.8	1926.8	1934.6	2022.7	2161.3	2337.5	2541.0
17.5°	1871.1	1881.4	1876.3	1893.1	1943.6	1948.8	2026.6	2148.4	2336.2	2565.6
20°	1917.7	1925.5	1915.1	1925.5	1976.0	1986.4	2066.7	2173.0	2358.3	2608.4
22.5°	1991.6	1995.5	1970.8	1978.6	2030.4	2043.4	2136.7	2243.0	2411.4	2677.0
25°	2084.9	2092.6	2055.1	2064.1	2113.4	2128.9	2236.5	2347.9	2495.6	2771.6
27.5°	2192.4	2196.3	2163.9	2162.6	2226.1	2248.1	2357.0	2477.5	2608.4	2890.8
30°	2315.5	2327.2	2296.1	2290.9	2371.2	2389.4	2496.9	2636.9	2774.2	3069.6
32.5°	2412.7	2421.8	2403.6	2416.6	2498.2	2512.5	2666.7	2862.3	3034.7	3323.6
35°	2552.6	2557.8	2516.4	2539.7	2633.0	2669.3	2898.6	3178.5	3362.5	3642.4
37.5°	3059.3	3059.3	2883.1	2767.7	2857.1	2889.5	3216.1	3576.3	3766.8	4070.0
40°	3760.3	3748.6	3490.8	3254.9	3243.3	3306.8	3668.3	4077.7	4289.0	4583.1
42.5°	4507.9	4489.8	4138.6	3905.4	3866.5	3888.6	4190.5	4695.8	4910.9	5208.9
45°	5171.4	5166.2	4844.8	4531.3	4461.3	4531.3	4842.2	5418.8	5573.0	5886.6
47.5°	5727.2	5727.2	5492.7	5288.0	5251.7	5293.2	5724.6	6220.9	6206.7	6608.4
50°	6367.3	6362.2	6139.3	6051.2	6088.8	6147.1	6740.5	7065.8	6862.3	7317.1
52.5°	6815.7	6846.8	6770.3	6756.1	6947.8	7048.9	7771.9	7892.4	7449.3	7989.6
55°	7170.7	7207.0	7295.1	7394.9	7764.2	7896.3	8771.0	8676.4	7940.4	8572.7
57.5°	7673.5	7621.6	7757.7	7954.6	8552.0	8711.4	9738.9	9416.3	8335.6	9045.7
60°	8283.8	8291.5	8314.9	8563.6	9338.5	9543.2	10692.6	10116.0	8589.6	9335.9
62.5°	9017.2	9028.8	9076.8	9459.0	10394.6	10587.6	11708.4	10688.7	8706.2	9254.3
65°	8966.6	9015.9	9551.0	10858.4	12000.0	12190.5	12894.1	11090.4	8530.0	8507.9
67.5°	8168.4	8248.8	9144.1	12530.0	14420.5	14633.0	14327.2	11169.4	7769.4	6616.1
70°	7121.5	7150.0	8226.8	14033.0	17223.2	17438.3	15610.0	10300.0	5895.7	3690.3
72.5°	5561.4	5567.9	6831.2	14381.6	18744.4	18756.1	14603.2	7646.3	3170.7	1417.6
75°	3972.8	3933.9	4575.3	11663.1	16491.1	16623.2	10947.8	3586.7	1211.5	669.9
77.5°	2130.2	2173.0	2588.9	6916.7	11392.3	11617.7	5973.4	1034.0	616.8	456.1
80°	658.2	694.5	1061.2	3166.8	6452.9	6588.9	2214.4	460.0	430.2	325.2
82.5°	207.3	215.1	495.0	1330.7	2678.3	2740.5	641.4	260.4	294.1	215.1
85°	59.6	60.9	220.3	496.3	662.1	675.1	180.1	101.1	168.4	133.5
87.5°	6.5	20.7	82.9	82.9	58.3	57.0	19.4	22.0	47.9	16.8
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°
2563.0	0°	2563.0	2563.0	2563.0	2563.0	2563.0	2563.0	2563.0	2563.0	2563.0	2563.0
2574.7	2.5°	2568.2	2569.5	2552.6	2524.1	2493.0	2467.1	2434.7	2408.8	2390.7	2385.5
2598.0	5°	2586.3	2577.3	2529.3	2442.5	2338.8	2249.4	2149.7	2070.6	2018.8	1996.8
2622.6	7.5°	2613.5	2587.6	2482.7	2311.6	2113.4	1937.2	1758.3	1619.7	1531.6	1487.5
2645.9	10°	2636.9	2585.0	2404.9	2122.4	1819.2	1552.3	1311.3	1144.2	1050.9	1006.8
2673.1	12.5°	2658.9	2583.7	2303.9	1898.3	1487.5	1161.0	936.8	853.9	828.0	818.9
2717.2	15°	2700.4	2587.6	2176.9	1641.7	1157.1	877.2	795.6	794.3	799.5	796.9
2784.6	17.5°	2757.4	2591.5	2033.0	1369.6	892.8	773.6	769.7	781.3	789.1	785.2
2868.8	20°	2831.2	2607.1	1880.1	1100.1	767.1	747.7	756.7	767.1	773.6	767.1
2981.5	22.5°	2934.9	2634.3	1713.0	883.7	726.9	732.1	739.9	751.5	758.0	748.9
3125.4	25°	3061.9	2677.0	1548.4	768.4	707.5	714.0	725.6	738.6	746.4	737.3
3306.8	27.5°	3226.4	2745.7	1396.8	742.5	688.0	691.9	708.8	728.2	738.6	726.9
3564.6	30°	3464.9	2858.4	1266.0	754.1	676.4	667.3	690.6	717.8	729.5	719.1
3915.8	32.5°	3781.0	3017.8	1185.6	772.3	671.2	638.8	660.8	695.8	715.3	708.8
4374.5	35°	4195.7	3260.1	1154.5	793.0	667.3	609.0	624.6	662.1	695.8	702.3
4952.4	37.5°	4698.4	3597.0	1163.6	802.1	655.7	584.4	592.2	624.6	668.6	689.3
5602.8	40°	5269.8	3989.6	1215.4	793.0	642.7	563.7	564.9	589.6	628.4	659.5
6302.6	42.5°	5859.4	4448.3	1311.3	759.3	631.0	545.5	541.6	558.5	584.4	606.4
7001.0	45°	6420.5	4920.0	1405.9	712.7	616.8	527.4	518.3	524.8	530.0	539.0
7681.2	47.5°	6910.3	5251.7	1378.7	669.9	597.3	506.6	491.1	488.5	473.0	471.7
8288.9	50°	7248.5	5324.3	1224.5	627.1	568.8	483.3	458.7	443.1	415.9	403.0
8743.8	52.5°	7356.0	5037.9	1000.3	584.4	522.2	452.2	417.2	392.6	358.9	347.3
9005.5	55°	7213.5	4476.8	799.5	532.6	457.4	410.8	371.9	339.5	312.3	298.0
9034.0	57.5°	6864.9	3762.9	632.3	471.7	388.7	364.1	325.2	292.8	269.5	255.3
8717.8	60°	6287.0	2988.0	500.2	399.1	331.7	313.6	273.4	252.7	231.9	215.1
7901.5	62.5°	5409.8	2132.8	392.6	316.2	277.3	256.6	233.2	217.7	193.1	169.7
6433.4	65°	4221.6	1304.8	303.2	231.9	222.9	212.5	198.3	184.0	154.2	130.9
4197.0	67.5°	2662.8	618.1	216.4	174.9	176.2	171.0	164.6	152.9	130.9	110.1
1880.1	70°	1172.7	299.3	142.5	133.5	130.9	130.9	136.1	132.2	111.4	92.0
653.1	72.5°	399.1	160.7	106.3	101.1	94.6	93.3	114.0	110.1	89.4	71.3
325.2	75°	208.6	107.5	77.7	72.6	57.0	68.7	90.7	85.5	63.5	46.6
215.1	77.5°	136.1	76.4	53.1	46.6	32.4	45.4	67.4	59.6	37.6	23.3
141.2	80°	85.5	50.5	31.1	22.0	15.5	24.6	36.3	25.9	14.3	5.2
82.9	82.5°	45.4	25.9	11.7	7.8	6.5	7.8	9.1	6.5	2.6	0.0
42.8	85°	18.1	9.1	3.9	2.6	1.3	0.0	2.6	1.3	0.0	0.0
7.8	87.5°	6.5	1.3	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°
2563.0
2394.6
2004.5
1494.0
1008.1
816.3
795.6
783.9
765.8
747.7
736.0
726.9
717.8
708.8
702.3
694.5
669.9
615.5
544.2
470.4
404.3
346.0
298.0
252.7
211.2
165.9
127.0
107.5
88.1
67.4
42.8
20.7
3.9
0.0
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