

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: P848147

Luminaire Tested: **GLAN-SB4C-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18768 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

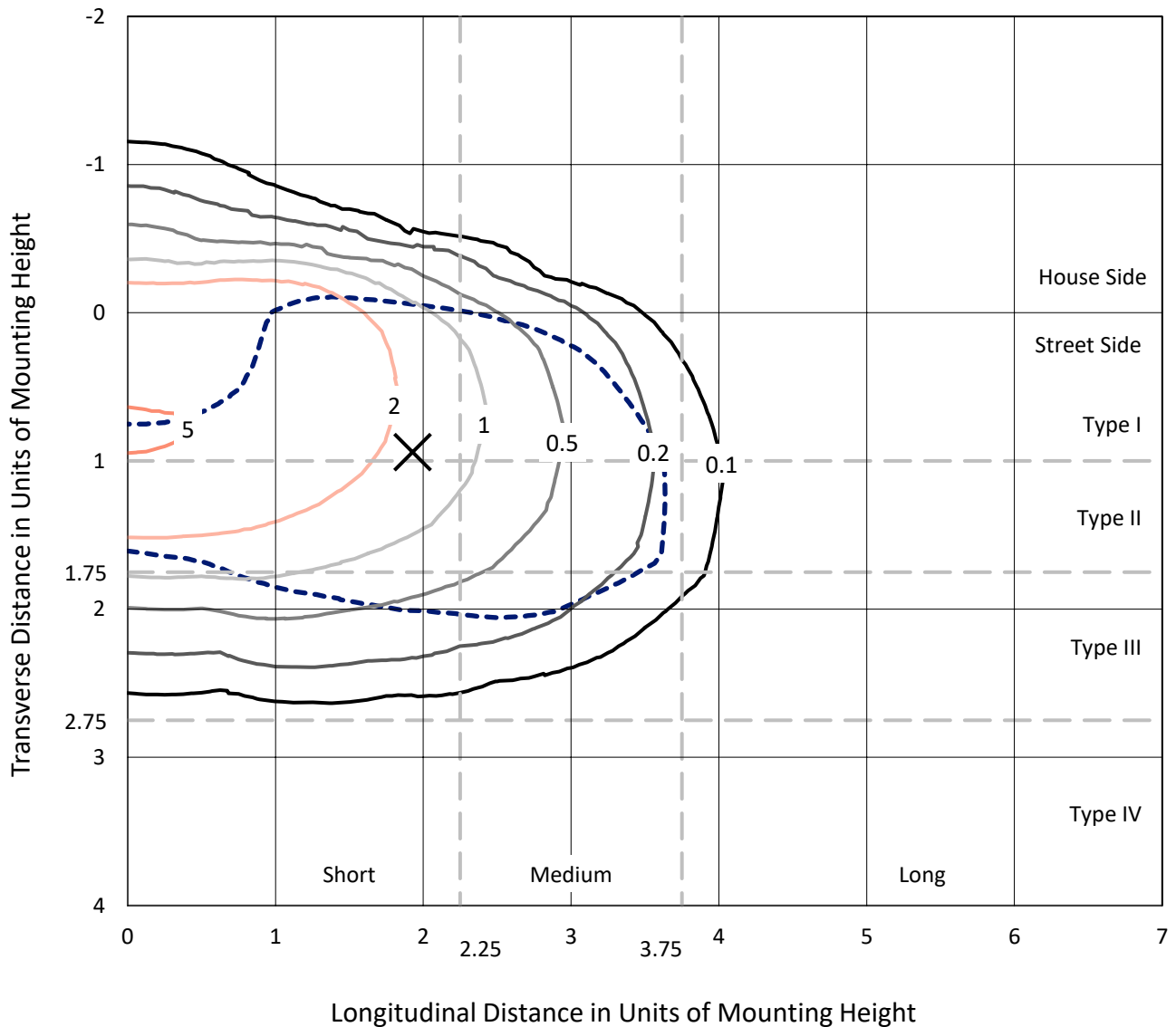
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

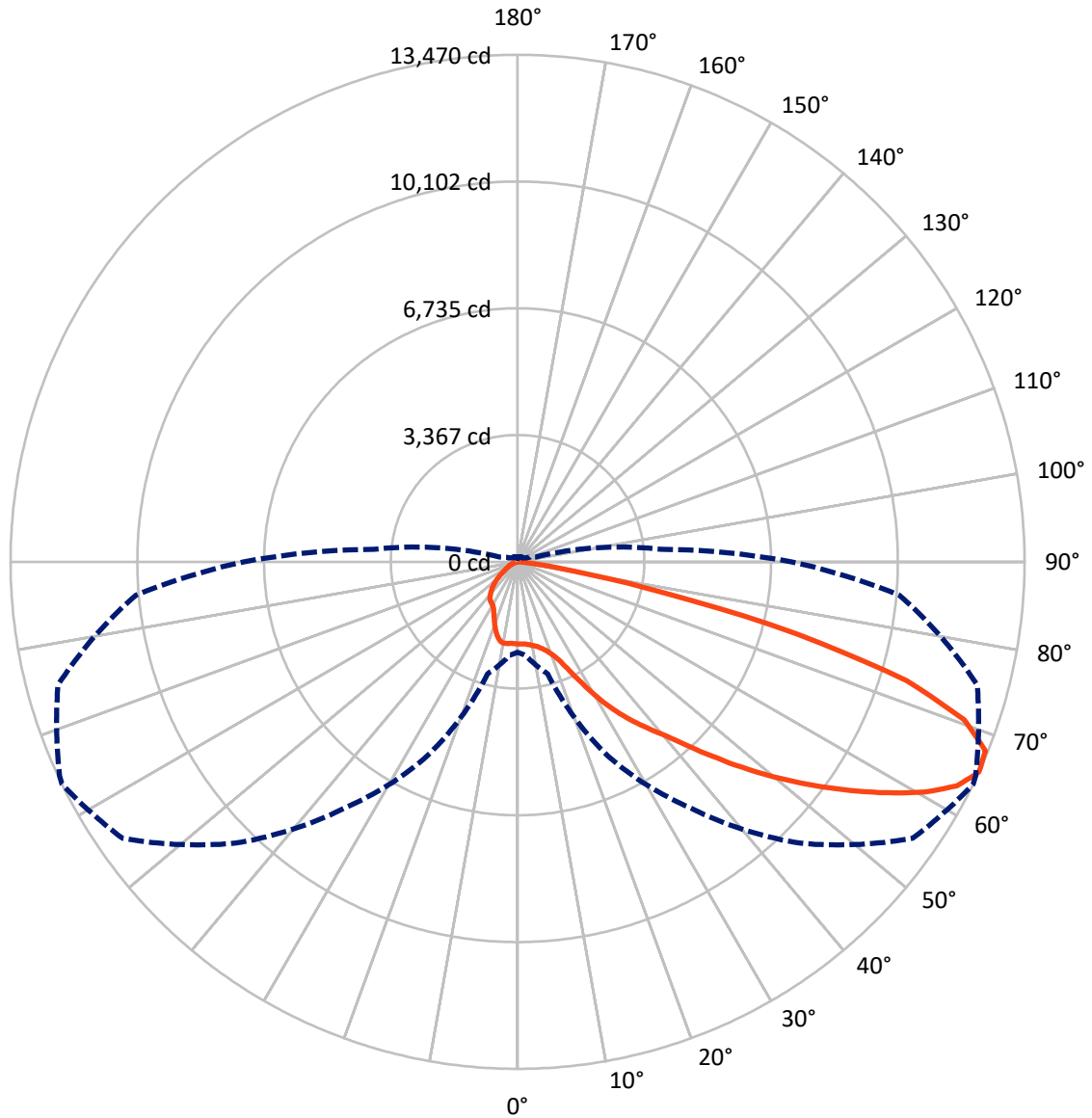
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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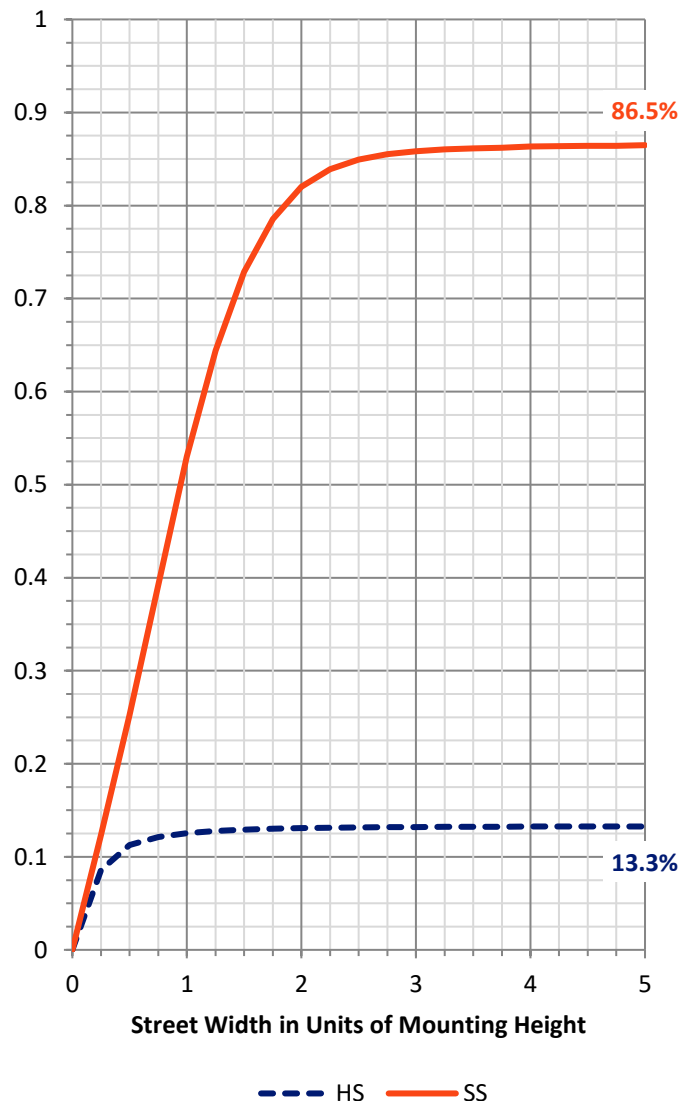
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2509.9	0.0	2509.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16258.1	0.0	16258.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	18768.0	0.0	18768.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.4	1.1
10°-20°	546.2	2.9
20°-30°	1035.1	5.5
30°-40°	2094.5	11.2
40°-50°	3568.0	19.0
50°-60°	4852.3	25.9
60°-70°	4556.5	24.3
70°-80°	1825.5	9.7
80°-90°	88.4	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°	18768.0	100.0
0°-180°	18768.0	100.0

Coefficient of Utilization



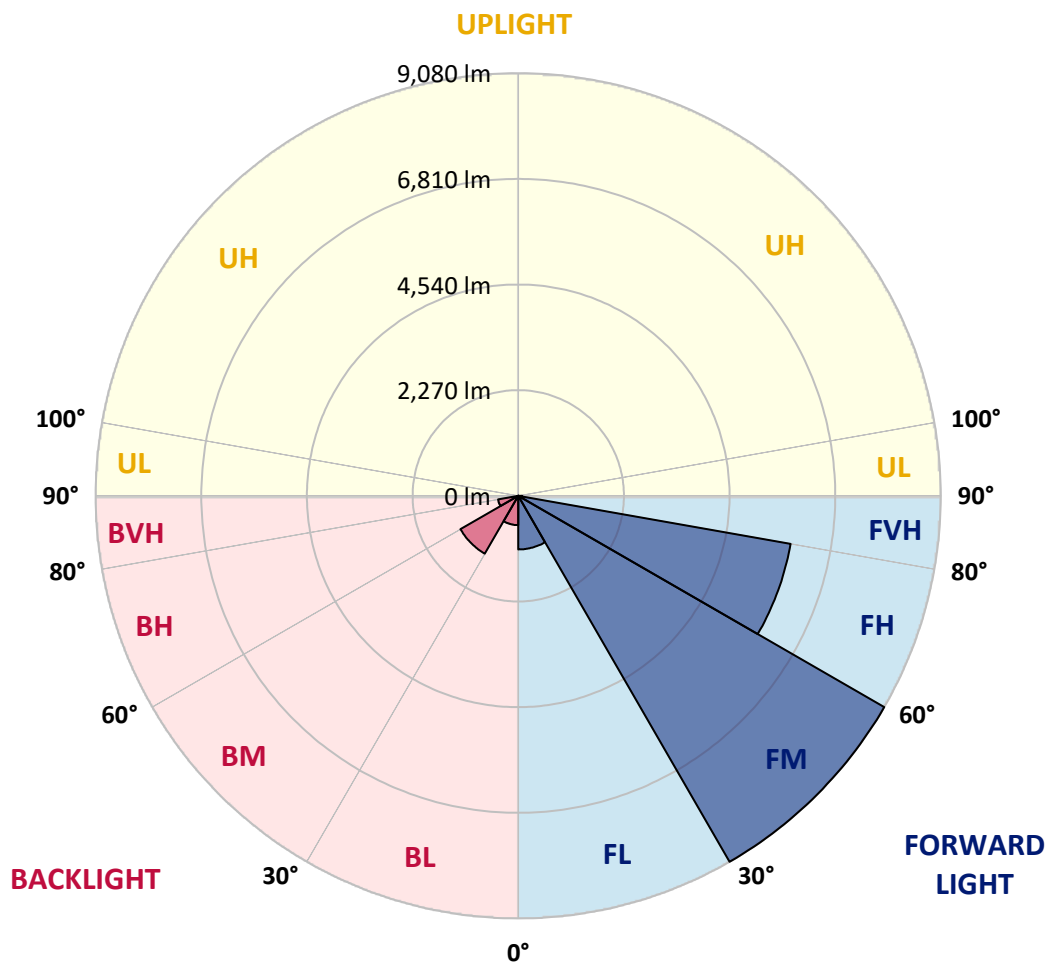
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1152.6	6.1			
FM (30°-60°)	9079.9	48.4			
FH (60°-80°)	5941.5	31.7			G3/7500
FVH (80°-90°)	84.1	0.4			G1/100
BL (0°-30°)	630.1	3.4	B2/1000		
BM (30°-60°)	1434.9	7.6	B2/2500		
BH (60°-80°)	440.5	2.3	B1/500		G1/500
BVH (80°-90°)	4.3	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9
2.5°	2175.4	2190.5	2186.7	2182.9	2181.7	2184.2	2185.4	2184.2	2184.2	2184.2
5°	2133.8	2146.4	2146.4	2155.2	2167.8	2182.9	2194.2	2196.8	2199.3	2203.0
7.5°	2054.6	2064.6	2072.2	2101.1	2132.6	2172.8	2206.8	2224.4	2226.9	2240.8
10°	2000.5	2013.1	2025.6	2055.8	2101.1	2161.5	2219.4	2262.2	2268.5	2301.2
12.5°	1998.0	2010.5	2026.9	2059.6	2112.5	2176.6	2247.1	2308.7	2320.1	2367.9
15°	2024.4	2039.5	2054.6	2094.8	2151.5	2229.5	2305.0	2381.7	2393.0	2461.0
17.5°	2078.5	2098.6	2109.9	2150.2	2210.6	2297.4	2396.8	2484.9	2494.9	2574.2
20°	2185.4	2209.3	2213.1	2245.8	2305.0	2398.1	2516.3	2625.8	2638.4	2729.0
22.5°	2406.9	2440.8	2410.6	2427.0	2479.8	2572.9	2701.3	2839.7	2857.3	2960.5
25°	2796.9	2844.7	2766.7	2739.0	2761.7	2858.5	3019.6	3194.5	3214.6	3297.6
27.5°	3563.1	3501.5	3383.2	3267.5	3199.5	3254.9	3436.0	3652.4	3677.6	3758.1
30°	4404.8	4350.7	4190.9	3934.3	3773.2	3764.4	3931.8	4173.3	4202.3	4279.0
32.5°	5247.8	5196.2	5022.6	4706.8	4427.5	4289.1	4404.8	4672.8	4687.9	4737.0
35°	6076.9	6024.1	5850.5	5527.1	5183.6	4869.1	4846.4	5148.4	5153.4	5205.0
37.5°	6911.1	6867.1	6682.1	6365.0	6026.6	5592.5	5382.4	5598.8	5605.1	5655.4
40°	7506.2	7525.1	7398.0	7152.7	6862.0	6387.7	5983.8	6078.2	6040.4	6124.7
42.5°	8017.0	8054.8	7944.0	7820.7	7652.1	7234.4	6728.7	6712.3	6651.9	6697.2
45°	8458.6	8490.1	8390.7	8361.8	8358.0	8064.8	7542.7	7444.6	7360.3	7351.4
47.5°	8620.9	8681.3	8724.1	8821.0	9009.7	8886.4	8384.4	8232.2	8137.8	8068.6
50°	8682.6	8746.8	8892.7	9174.5	9621.2	9674.0	9222.3	9051.2	8935.5	8809.7
52.5°	8599.5	8714.0	8910.3	9384.6	10032.6	10305.6	10026.3	9876.6	9744.5	9539.4
55°	8110.1	8224.6	8626.0	9382.1	10237.7	10748.5	10786.2	10719.6	10571.1	10247.7
57.5°	7078.4	7248.3	7883.7	9062.6	10233.9	11129.7	11531.1	11578.9	11412.8	10949.8
60°	5649.2	5879.4	6654.4	8354.2	9918.1	11336.1	12184.1	12423.1	12247.0	11641.8
62.5°	3941.8	4208.6	4942.1	7244.5	9195.9	11187.6	12660.9	13102.5	12969.1	12260.8
65°	2404.4	2489.9	3081.2	5700.7	7967.9	10566.1	12808.1	13469.9	13425.9	12639.5
67.5°	1601.6	1673.4	1843.2	3909.1	6185.1	9324.2	12455.8	13405.7	13418.3	12577.9
70°	965.0	1026.7	1137.4	2273.5	4008.5	7380.4	11365.0	12587.9	12660.9	11753.8
72.5°	397.6	439.1	539.8	1030.4	2076.0	4684.1	9050.0	10807.6	10977.5	9882.9
75°	225.2	246.6	317.1	517.1	900.8	2182.9	5481.8	7672.3	7922.7	6811.7
77.5°	149.7	159.8	205.1	334.7	507.0	744.8	2342.7	3997.2	4475.3	3720.4
80°	100.7	109.5	140.9	224.0	329.6	319.6	746.1	1480.9	1821.8	1278.3
82.5°	67.9	69.2	100.7	147.2	208.9	154.8	220.2	460.5	578.8	369.9
85°	39.0	37.7	74.2	85.6	93.1	64.2	66.7	138.4	181.2	156.0
87.5°	5.0	7.5	28.9	22.6	12.6	13.8	13.8	23.9	35.2	37.7
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°
2182.9	0°	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9	2182.9
2185.4	2.5°	2185.4	2184.2	2180.4	2176.6	2167.8	2162.8	2165.3	2162.8	2161.5	2162.8
2201.8	5°	2201.8	2198.0	2187.9	2175.4	2157.8	2136.4	2122.5	2102.4	2083.5	2072.2
2245.8	7.5°	2245.8	2242.0	2228.2	2193.0	2136.4	2047.0	1965.3	1893.5	1839.4	1808.0
2316.3	10°	2316.3	2310.0	2288.6	2210.6	2062.1	1867.1	1704.8	1570.2	1482.1	1440.6
2399.3	12.5°	2399.3	2391.8	2354.0	2194.2	1921.2	1616.7	1392.8	1243.1	1161.3	1124.8
2494.9	15°	2497.5	2487.4	2413.2	2116.2	1716.1	1339.9	1134.9	1022.9	970.0	937.3
2617.0	17.5°	2619.5	2601.9	2457.2	1999.2	1493.4	1128.6	976.3	892.0	845.5	814.0
2776.8	20°	2778.0	2749.1	2492.4	1859.6	1288.4	995.2	869.4	798.9	763.7	736.0
3003.2	22.5°	2999.5	2957.9	2535.2	1708.6	1143.7	903.4	790.1	738.5	709.6	678.2
3319.0	25°	3273.7	3224.7	2588.0	1568.9	1044.3	824.1	732.3	689.5	655.5	619.0
3733.0	27.5°	3657.5	3569.4	2651.0	1454.4	958.7	756.2	679.4	631.6	592.6	562.4
4202.3	30°	4085.3	3940.6	2706.3	1385.2	880.7	693.2	610.2	562.4	525.9	504.5
4623.8	32.5°	4490.4	4294.1	2742.8	1355.0	810.3	621.5	534.7	483.1	455.5	449.2
5036.4	35°	4872.9	4613.7	2739.0	1326.1	747.3	549.8	460.5	407.6	386.3	390.0
5480.6	37.5°	5313.2	4954.6	2712.6	1280.8	695.8	484.4	396.3	349.8	330.9	332.2
6020.3	40°	5825.3	5348.5	2696.2	1195.3	639.1	424.0	343.5	305.7	291.9	286.9
6589.0	42.5°	6371.3	5729.7	2698.8	1098.4	568.7	369.9	307.0	275.5	263.0	259.2
7221.9	45°	6919.9	6093.3	2702.5	997.7	494.5	328.4	280.6	254.1	246.6	241.6
7863.5	47.5°	7435.7	6402.8	2632.1	889.5	421.5	296.9	259.2	241.6	235.3	229.0
8507.7	50°	7916.4	6609.1	2462.2	763.7	363.6	271.8	242.8	230.2	224.0	217.7
9091.5	52.5°	8290.0	6641.8	2181.7	634.1	323.3	252.9	232.8	221.4	213.9	207.6
9563.3	55°	8456.1	6436.8	1782.8	513.3	291.9	236.5	222.7	211.4	202.6	196.3
9934.5	57.5°	8413.3	6005.2	1390.3	412.7	261.7	220.2	210.1	202.6	192.5	182.4
10235.2	60°	8203.2	5427.7	1048.1	343.5	234.0	202.6	196.3	190.0	176.1	161.0
10350.9	62.5°	7839.6	4701.8	747.3	284.3	203.8	182.4	179.9	174.9	154.8	127.1
10179.8	65°	7283.5	3819.8	503.3	236.5	174.9	159.8	161.0	152.2	125.8	94.4
9553.2	67.5°	6470.7	2793.1	322.1	193.8	145.9	133.4	134.6	129.6	106.9	80.5
8365.5	70°	5435.3	1849.5	210.1	147.2	117.0	103.2	110.7	112.0	90.6	65.4
6420.4	72.5°	3984.6	1092.1	147.2	109.5	85.6	71.7	90.6	93.1	73.0	49.1
3862.6	75°	2271.0	518.4	110.7	79.3	52.8	50.3	70.5	70.5	50.3	32.7
1672.1	77.5°	953.7	216.4	78.0	51.6	30.2	28.9	47.8	44.0	25.2	15.1
407.6	80°	275.5	96.9	41.5	25.2	12.6	11.3	18.9	13.8	6.3	2.5
154.8	82.5°	108.2	42.8	16.4	10.1	5.0	5.0	2.5	0.0	0.0	0.0
88.1	85°	64.2	17.6	7.5	3.8	1.3	0.0	0.0	0.0	0.0	0.0
18.9	87.5°	16.4	3.8	2.5	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°
2182.9
2167.8
2074.7
1809.2
1436.8
1121.0
938.6
811.5
731.0
673.1
615.2
556.1
500.7
452.9
390.0
337.2
285.6
257.9
241.6
229.0
217.7
206.3
195.0
181.2
158.5
124.6
91.8
76.7
62.9
46.6
30.2
15.1
2.5
0.0
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