

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: P848657

Luminaire Tested: **GLAN-SB5B-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848657
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-SB5B-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 450mA 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: 17787 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

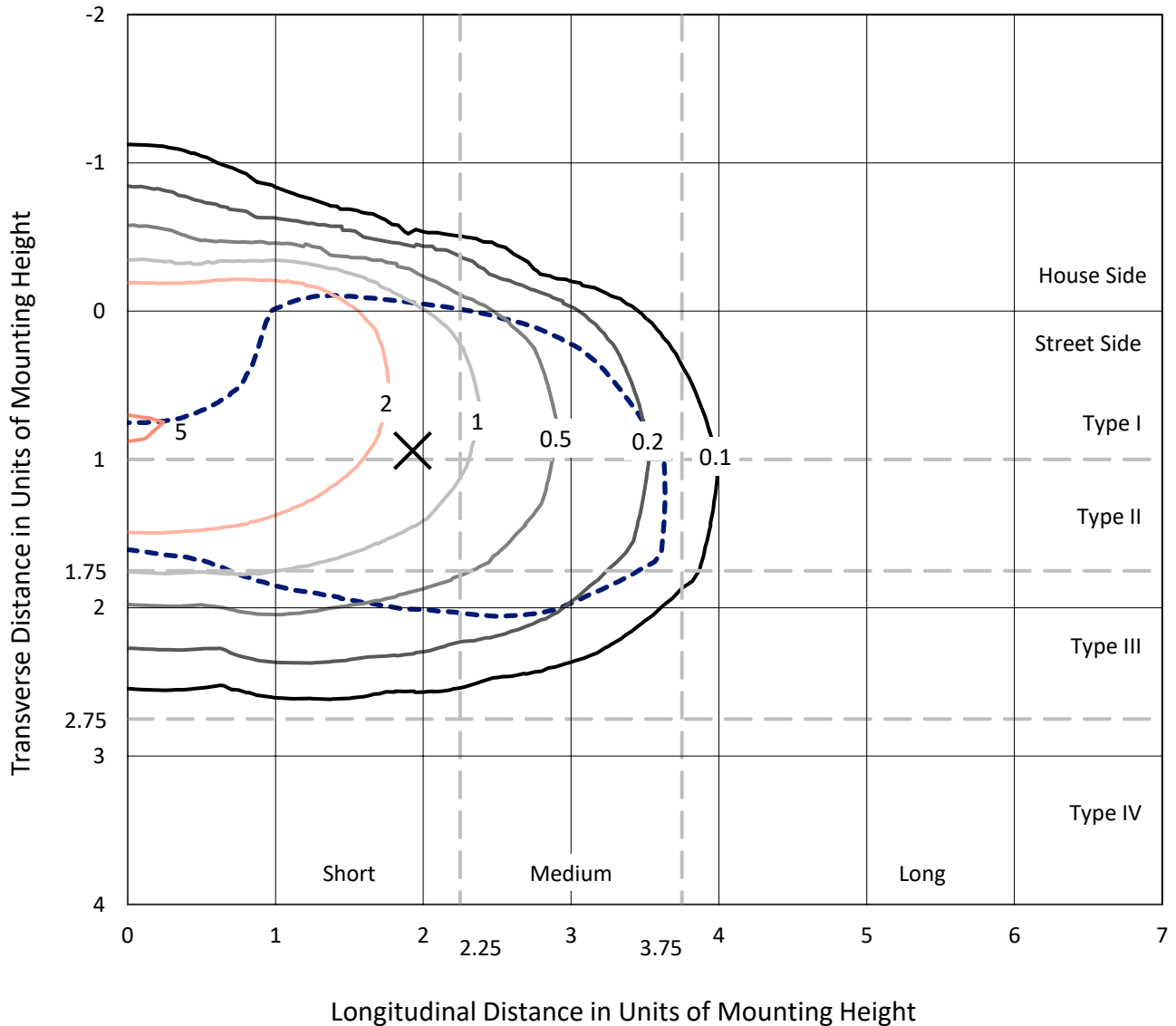
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

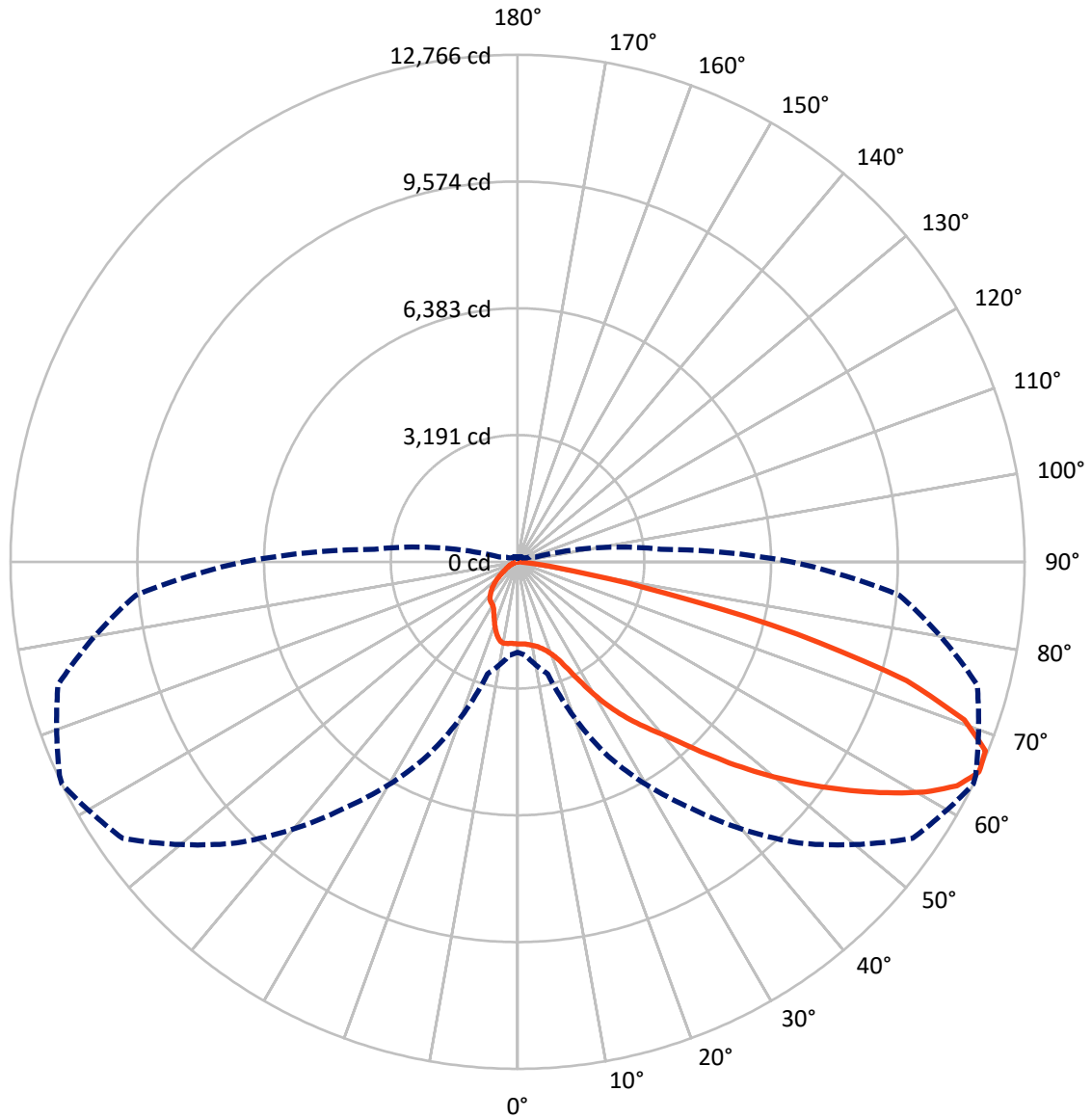
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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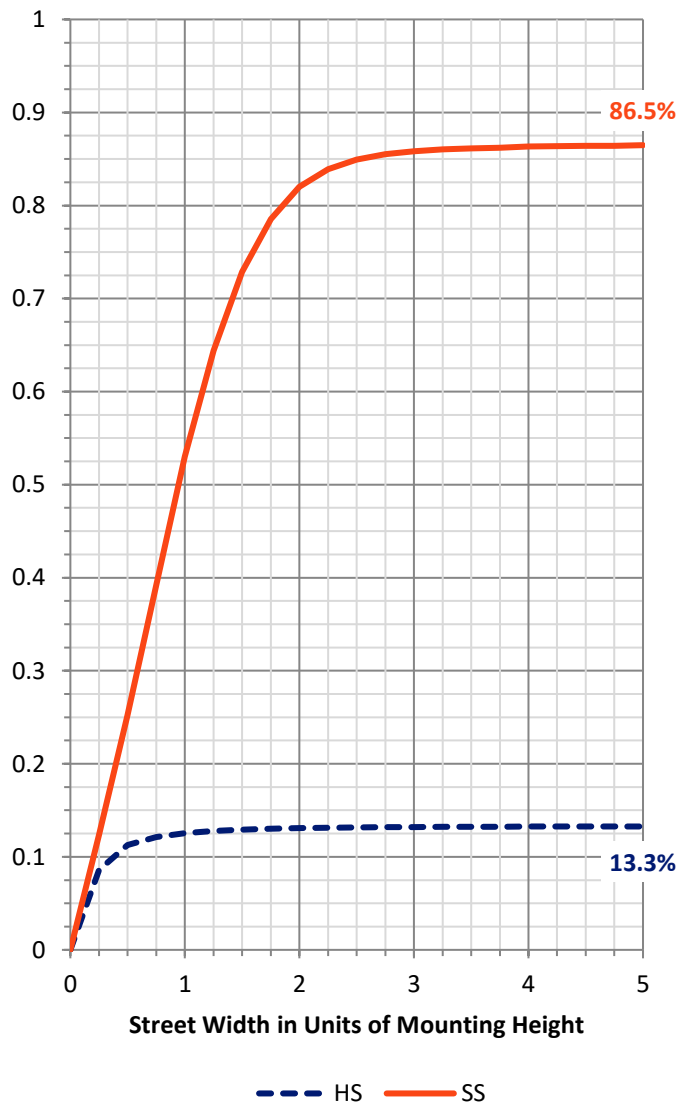
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2378.7	0.0	2378.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	15408.3	0.0	15408.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	17787.0	0.0	17787.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.9	1.1
10°-20°	517.7	2.9
20°-30°	981.0	5.5
30°-40°	1985.0	11.2
40°-50°	3381.5	19.0
50°-60°	4598.6	25.9
60°-70°	4318.3	24.3
70°-80°	1730.1	9.7
80°-90°	83.8	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°	17787.0	100.0
0°-180°	17787.0	100.0

Coefficient of Utilization



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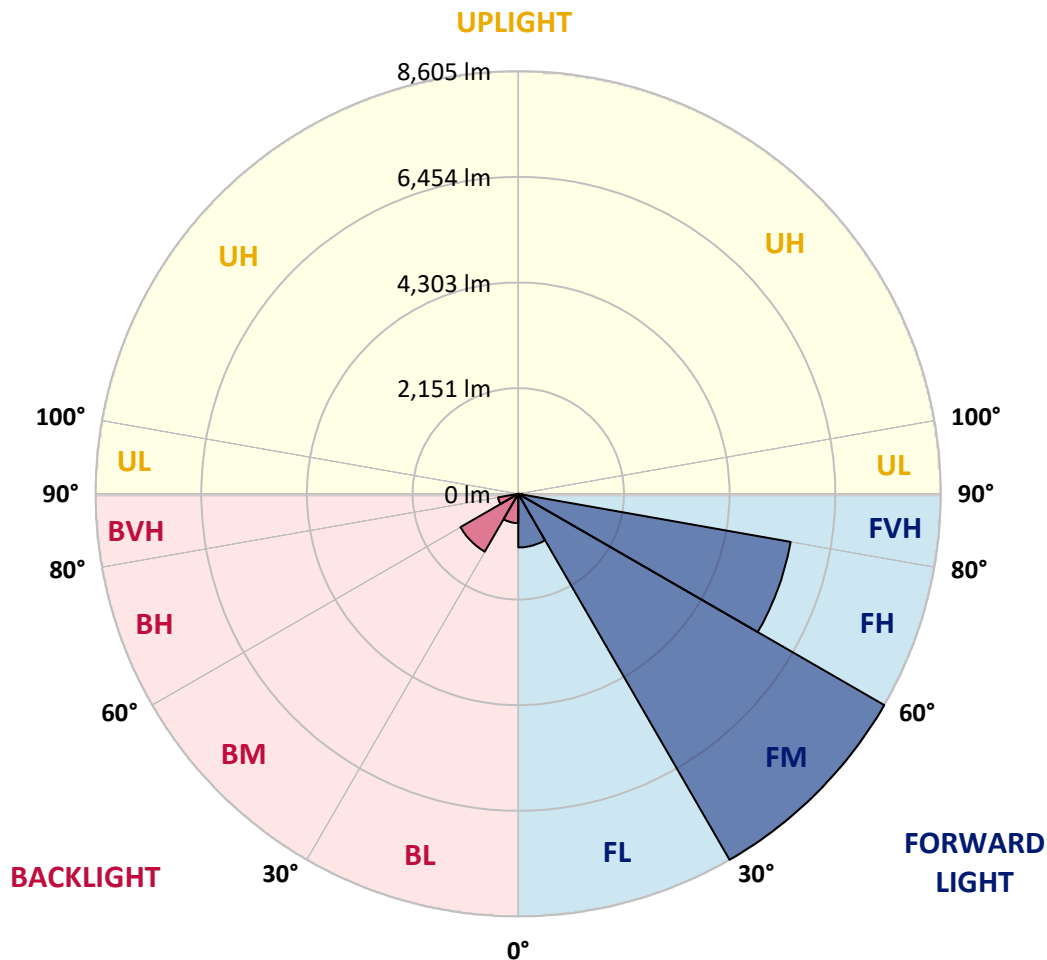
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1092.3	6.1			
FM (30°-60°)	8605.3	48.4			
FH (60°-80°)	5631.0	31.7			G3/7500
FVH (80°-90°)	79.7	0.4			G1/100
BL (0°-30°)	597.2	3.4	B2/1000		
BM (30°-60°)	1359.9	7.6	B2/2500		
BH (60°-80°)	417.5	2.3	B1/500		G1/500
BVH (80°-90°)	4.1	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°	2068.8	2068.8	2068.8	2068.8	2068.8	2068.8	2068.8	2068.8	2068.8	2068.8
2.5°	2061.7	2076.0	2072.4	2068.8	2067.6	2070.0	2071.2	2070.0	2070.0	2070.0
5°	2022.3	2034.2	2034.2	2042.6	2054.5	2068.8	2079.5	2081.9	2084.3	2087.9
7.5°	1947.2	1956.7	1963.9	1991.3	2021.1	2059.3	2091.5	2108.2	2110.5	2123.7
10°	1895.9	1907.8	1919.8	1948.4	1991.3	2048.5	2103.4	2143.9	2149.9	2180.9
12.5°	1893.5	1905.5	1921.0	1952.0	2002.0	2062.9	2129.6	2188.1	2198.8	2244.1
15°	1918.6	1932.9	1947.2	1985.3	2039.0	2112.9	2184.5	2257.2	2267.9	2332.3
17.5°	1969.8	1988.9	1999.7	2037.8	2095.0	2177.3	2271.5	2355.0	2364.5	2439.6
20°	2071.2	2093.9	2097.4	2128.4	2184.5	2272.7	2384.8	2488.5	2500.5	2586.3
22.5°	2281.1	2313.3	2284.6	2300.1	2350.2	2438.5	2560.1	2691.2	2707.9	2805.7
25°	2650.7	2696.0	2622.1	2595.9	2617.3	2709.1	2861.8	3027.5	3046.6	3125.3
27.5°	3376.9	3318.4	3206.4	3096.7	3032.3	3084.7	3256.4	3461.5	3485.4	3561.7
30°	4174.6	4123.3	3971.9	3728.6	3576.0	3567.7	3726.2	3955.2	3982.6	4055.4
32.5°	4973.5	4924.6	4760.1	4460.8	4196.1	4064.9	4174.6	4428.6	4442.9	4489.4
35°	5759.3	5709.2	5544.7	5238.2	4912.7	4614.6	4593.1	4879.3	4884.1	4933.0
37.5°	6549.8	6508.1	6332.8	6032.3	5711.6	5300.2	5101.1	5306.2	5312.1	5359.8
40°	7113.9	7131.7	7011.3	6778.8	6503.3	6053.8	5671.1	5760.5	5724.7	5804.6
42.5°	7598.0	7633.7	7528.8	7412.0	7252.2	6856.3	6377.0	6361.5	6304.2	6347.1
45°	8016.5	8046.3	7952.1	7924.7	7921.1	7643.3	7148.4	7055.4	6975.5	6967.2
47.5°	8170.3	8227.6	8268.1	8359.9	8538.8	8421.9	7946.1	7801.9	7712.4	7646.9
50°	8228.7	8289.6	8427.9	8695.0	9118.3	9168.4	8740.3	8578.1	8468.4	8349.2
52.5°	8150.0	8258.6	8444.6	8894.1	9508.2	9766.9	9502.2	9360.3	9235.1	9040.8
55°	7686.2	7794.7	8175.1	8891.7	9702.6	10186.7	10222.4	10159.2	10018.5	9712.1
57.5°	6708.4	6869.4	7471.6	8588.9	9699.0	10548.0	10928.3	10973.7	10816.3	10377.5
60°	5353.9	5572.1	6306.6	7917.5	9399.7	10743.5	11547.2	11773.8	11606.8	11033.3
62.5°	3735.8	3988.6	4683.7	6865.8	8715.2	10602.8	11999.1	12417.6	12291.3	11619.9
65°	2278.7	2359.8	2920.2	5402.8	7551.5	10013.8	12138.6	12765.8	12724.1	11978.8
67.5°	1517.9	1585.9	1746.9	3704.8	5861.8	8836.9	11804.8	12705.0	12716.9	11920.4
70°	914.6	973.0	1077.9	2154.7	3799.0	6994.6	10770.9	11930.0	11999.1	11139.4
72.5°	376.8	416.1	511.5	976.6	1967.5	4439.3	8576.9	10242.7	10403.7	9366.3
75°	213.4	233.7	300.5	490.1	853.8	2068.8	5195.3	7271.3	7508.5	6455.6
77.5°	141.9	151.4	194.4	317.2	480.5	705.9	2220.2	3788.3	4241.4	3525.9
80°	95.4	103.7	133.5	212.2	312.4	302.9	707.1	1403.5	1726.6	1211.5
82.5°	64.4	65.6	95.4	139.5	197.9	146.7	208.7	436.4	548.5	350.6
85°	37.0	35.8	70.4	81.1	88.2	60.8	63.2	131.2	171.7	147.9
87.5°	4.8	7.2	27.4	21.5	11.9	13.1	13.1	22.7	33.4	35.8
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°
2068.8	0°	2068.8	2068.8	2068.8	2068.8	2068.8	2068.8	2068.8	2068.8	2068.8	2068.8
2071.2	2.5°	2071.2	2070.0	2066.4	2062.9	2054.5	2049.7	2052.1	2049.7	2048.5	2049.7
2086.7	5°	2086.7	2083.1	2073.6	2061.7	2045.0	2024.7	2011.6	1992.5	1974.6	1963.9
2128.4	7.5°	2128.4	2124.9	2111.7	2078.4	2024.7	1940.0	1862.5	1794.6	1743.3	1713.5
2195.2	10°	2195.2	2189.2	2169.0	2095.0	1954.3	1769.5	1615.7	1488.1	1404.6	1365.3
2273.9	12.5°	2273.9	2266.8	2231.0	2079.5	1820.8	1532.2	1320.0	1178.1	1100.6	1066.0
2364.5	15°	2366.9	2357.4	2287.0	2005.6	1626.4	1269.9	1075.5	969.4	919.3	888.3
2480.2	17.5°	2482.6	2465.9	2328.8	1894.7	1415.4	1069.6	925.3	845.4	801.3	771.5
2631.6	20°	2632.8	2605.4	2362.1	1762.4	1221.0	943.2	823.9	757.2	723.8	697.6
2846.3	22.5°	2842.7	2803.3	2402.7	1619.3	1083.9	856.1	748.8	699.9	672.5	642.7
3145.5	25°	3102.6	3056.1	2452.8	1486.9	989.7	781.0	694.0	653.4	621.2	586.7
3537.8	27.5°	3466.3	3382.8	2512.4	1378.4	908.6	716.6	643.9	598.6	561.6	533.0
3982.6	30°	3871.7	3734.6	2564.9	1312.8	834.7	657.0	578.3	533.0	498.4	478.2
4382.1	32.5°	4255.7	4069.7	2599.4	1284.2	767.9	589.0	506.8	457.9	431.6	425.7
4773.2	35°	4618.2	4372.5	2595.9	1256.8	708.3	521.1	436.4	386.3	366.1	369.6
5194.1	37.5°	5035.5	4695.7	2570.8	1213.9	659.4	459.1	375.6	331.5	313.6	314.8
5705.6	40°	5520.8	5068.9	2555.3	1132.8	605.7	401.8	325.5	289.8	276.6	271.9
6244.6	42.5°	6038.3	5430.2	2557.7	1041.0	539.0	350.6	290.9	261.1	249.2	245.6
6844.4	45°	6558.2	5774.8	2561.3	945.6	468.6	311.2	265.9	240.9	233.7	228.9
7452.5	47.5°	7047.1	6068.1	2494.5	843.0	399.5	281.4	245.6	228.9	223.0	217.0
8063.0	50°	7502.6	6263.7	2333.5	723.8	344.6	257.6	230.1	218.2	212.2	206.3
8616.3	52.5°	7856.7	6294.7	2067.6	601.0	306.4	239.7	220.6	209.9	202.7	196.7
9063.4	55°	8014.1	6100.3	1689.6	486.5	276.6	224.2	211.1	200.3	192.0	186.0
9415.2	57.5°	7973.6	5691.3	1317.6	391.1	248.0	208.7	199.1	192.0	182.4	172.9
9700.2	60°	7774.4	5144.0	993.3	325.5	221.8	192.0	186.0	180.1	166.9	152.6
9809.9	62.5°	7429.8	4456.0	708.3	269.5	193.2	172.9	170.5	165.7	146.7	120.4
9647.7	65°	6902.8	3620.1	477.0	224.2	165.7	151.4	152.6	144.3	119.2	89.4
9053.9	67.5°	6132.5	2647.1	305.3	183.6	138.3	126.4	127.6	122.8	101.4	76.3
7928.3	70°	5151.2	1752.8	199.1	139.5	110.9	97.8	104.9	106.1	85.9	62.0
6084.8	72.5°	3776.3	1035.0	139.5	103.7	81.1	68.0	85.9	88.2	69.2	46.5
3660.7	75°	2152.3	491.3	104.9	75.1	50.1	47.7	66.8	66.8	47.7	31.0
1584.7	77.5°	903.8	205.1	73.9	48.9	28.6	27.4	45.3	41.7	23.8	14.3
386.3	80°	261.1	91.8	39.3	23.8	11.9	10.7	17.9	13.1	6.0	2.4
146.7	82.5°	102.5	40.5	15.5	9.5	4.8	4.8	2.4	0.0	0.0	0.0
83.5	85°	60.8	16.7	7.2	3.6	1.2	0.0	0.0	0.0	0.0	0.0
17.9	87.5°	15.5	3.6	2.4	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°
2068.8
2054.5
1966.3
1714.7
1361.7
1062.4
889.5
769.1
692.8
637.9
583.1
527.0
474.6
429.3
369.6
319.6
270.7
244.4
228.9
217.0
206.3
195.6
184.8
171.7
150.2
118.0
87.0
72.7
59.6
44.1
28.6
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