

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: P851415

Luminaire Tested: **GLAN-SB9B-850-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851415  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-850-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32159 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

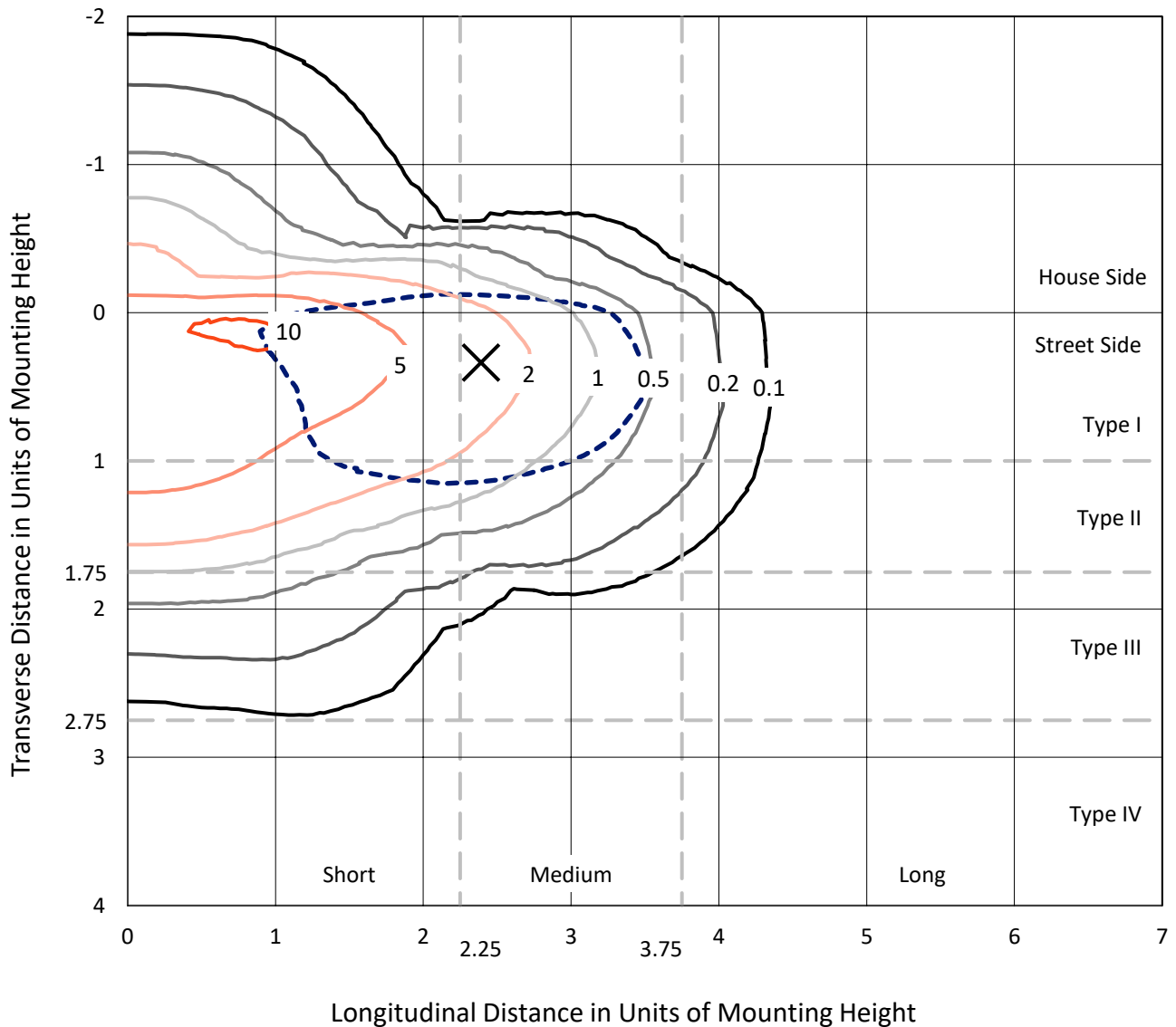
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

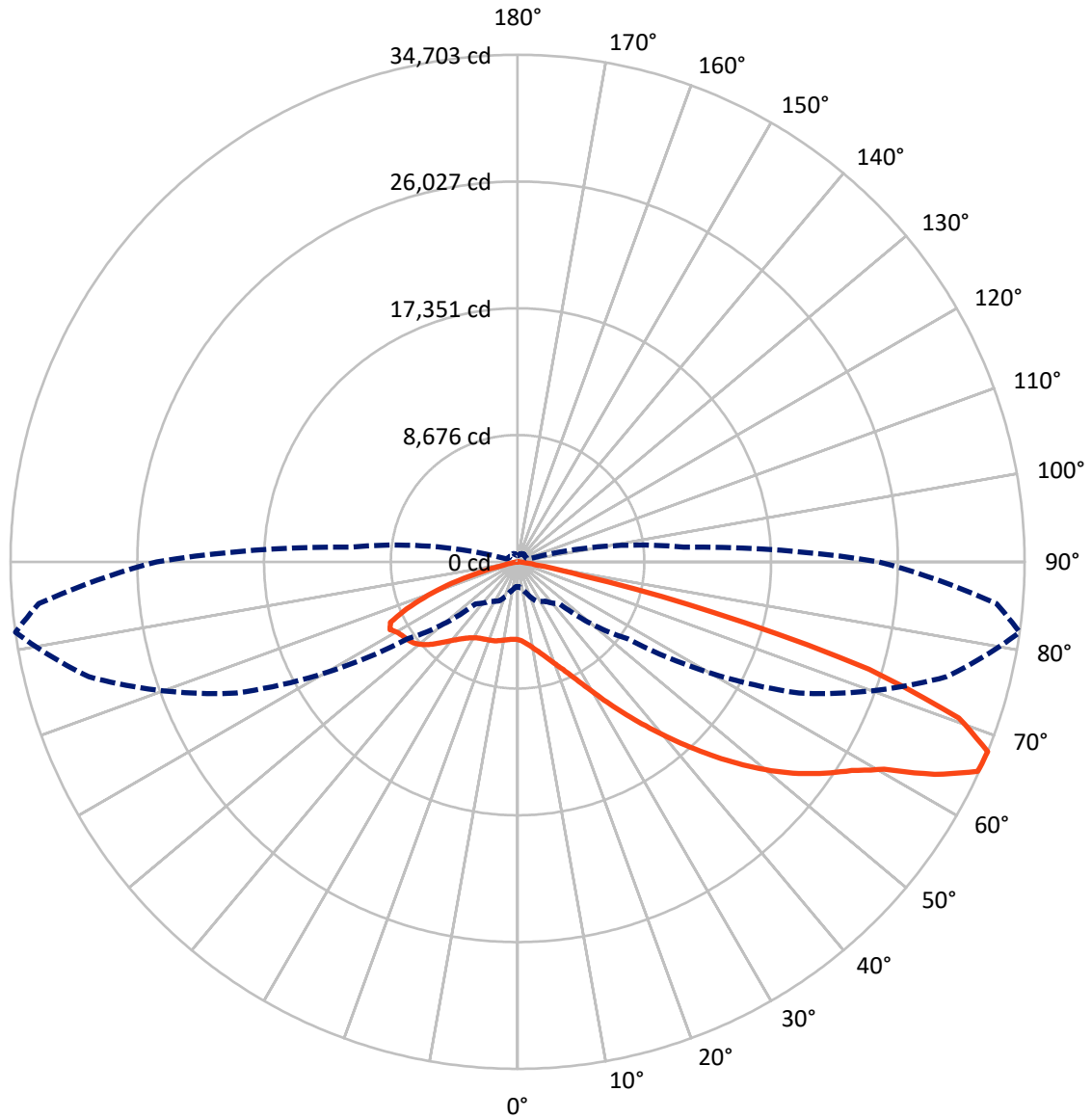
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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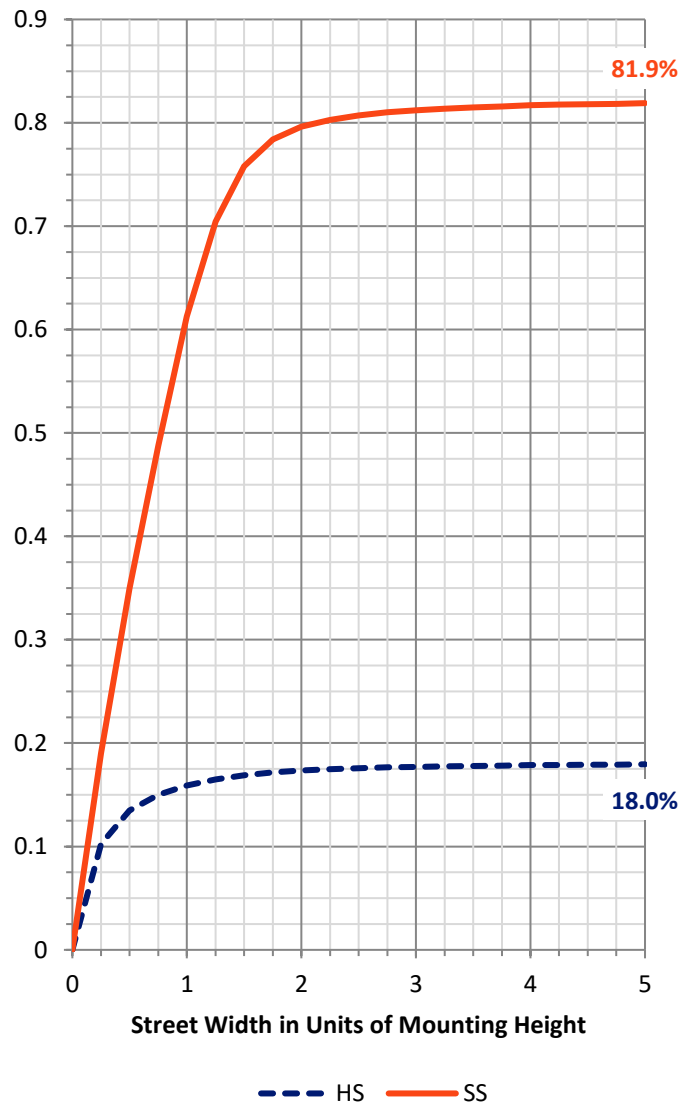
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5825.3	0.0	5825.3
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	26333.7	0.0	26333.7
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	32159.0	0.0	32159.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	474.7	1.5
10°-20°	1233.4	3.8
20°-30°	1975.6	6.1
30°-40°	3493.4	10.9
40°-50°	6120.8	19.0
50°-60°	8163.4	25.4
60°-70°	7599.7	23.6
70°-80°	2916.8	9.1
80°-90°	181.2	0.6
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°	32159.0	100.0
0°-180°	32159.0	100.0

**Coefficient of Utilization**

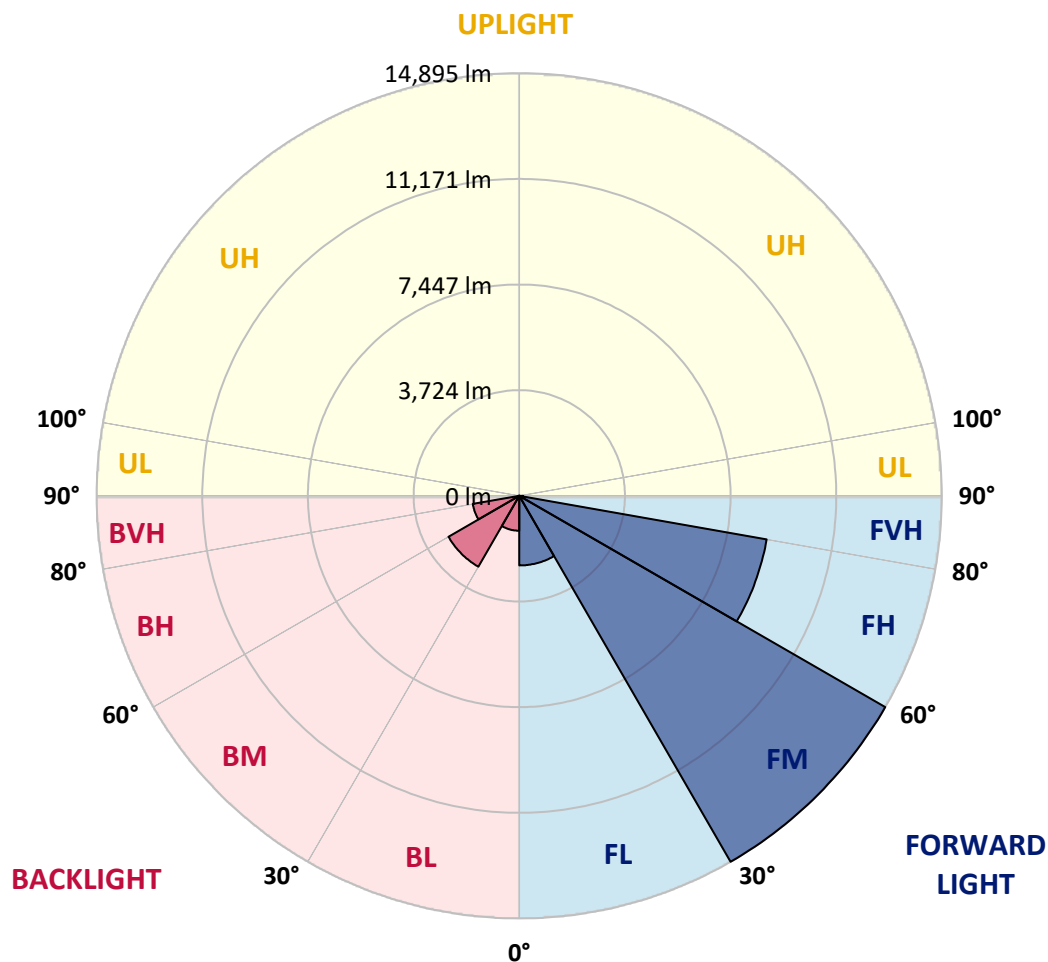


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2453.4	7.6			
FM (30°-60°)	14894.7	46.3			
FH (60°-80°)	8853.9	27.5			G4/12000
FVH (80°-90°)	131.7	0.4			G2/225
BL (0°-30°)	1230.3	3.8	B3/2500		
BM (30°-60°)	2882.9	9.0	B3/5000		
BH (60°-80°)	1662.7	5.2	B3/2500		G3/2500
BVH (80°-90°)	49.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5327.7	5327.7	5327.7	5327.7	5327.7	5327.7	5327.7	5327.7	5327.7	5327.7
2.5°	5631.0	5663.4	5644.9	5635.6	5619.4	5596.2	5577.7	5519.8	5459.6	5420.3
5°	5744.4	5776.8	5774.5	5783.8	5795.4	5802.3	5797.7	5732.8	5647.2	5580.0
7.5°	5647.2	5684.2	5714.3	5760.6	5841.7	5927.3	5969.0	5955.1	5867.1	5774.5
10°	5371.6	5411.0	5482.8	5591.6	5762.9	5948.2	6103.3	6175.1	6119.5	6017.6
12.5°	4866.9	4906.3	5047.5	5283.7	5570.8	5892.6	6189.0	6381.1	6395.0	6293.2
15°	4299.6	4339.0	4489.5	4785.9	5223.5	5739.8	6235.3	6598.8	6721.5	6633.5
17.5°	3947.7	3982.4	4095.9	4334.4	4790.5	5434.2	6219.1	6830.3	7110.5	7041.0
20°	3841.2	3871.3	3924.5	4091.3	4471.0	5117.0	6112.6	7048.0	7529.6	7490.2
22.5°	3954.6	3982.4	3998.6	4072.7	4311.2	4908.6	5978.3	7270.3	8015.8	8020.4
25°	4216.3	4244.1	4225.5	4271.9	4376.0	4843.7	5927.3	7531.9	8627.1	8678.0
27.5°	4646.9	4649.3	4605.3	4602.9	4619.2	4941.0	5980.6	7812.0	9398.1	9493.0
30°	5510.6	5475.8	5306.8	5123.9	5040.6	5232.7	6128.8	8143.1	10308.0	10477.0
32.5°	6841.9	6791.0	6480.7	6043.1	5603.2	5702.7	6395.0	8520.5	11299.0	11604.6
35°	8286.7	8272.8	7948.7	7298.0	6529.3	6371.9	6828.0	9016.0	12380.3	12866.5
37.5°	9629.6	9622.7	9437.4	8671.0	7735.6	7305.0	7522.6	9664.3	13537.9	14241.8
40°	10856.8	10877.6	10692.4	10007.0	9064.7	8502.0	8467.3	10465.5	14825.3	15739.9
42.5°	11917.2	11940.3	11752.8	11245.7	10377.5	9826.4	9627.3	11447.2	16082.5	17349.0
45°	12637.3	12780.8	12753.0	12347.8	11725.0	11153.1	11021.1	12678.9	17515.7	19055.5
47.5°	12841.0	12973.0	13181.4	13236.9	12857.2	12294.6	12452.0	14163.1	18965.2	20764.2
50°	12338.6	12461.3	12894.3	13470.8	13734.8	13561.1	13843.6	15753.8	20449.3	22468.3
52.5°	11347.6	11472.6	12019.1	12931.3	14008.0	14554.4	15239.7	17321.3	21887.2	24082.1
55°	9914.4	10046.4	10747.9	11780.6	13487.0	14964.2	16404.4	18886.4	23204.6	25533.9
57.5°	7964.9	8062.1	8791.4	10236.2	12176.5	14556.7	17263.4	20595.2	24445.6	26960.1
60°	5191.1	5276.7	6124.1	7735.6	10004.7	13195.3	17434.7	22500.7	26094.2	28814.7
62.5°	3452.2	3510.1	4012.5	5195.7	7045.7	10581.2	16432.2	24021.9	28511.4	32042.4
65°	2368.6	2426.5	2928.9	3753.2	4552.0	6999.4	13549.5	23820.5	30701.8	34605.5
67.5°	1690.2	1738.8	2164.9	2942.8	3294.8	4065.8	9185.1	21245.8	30386.9	34702.7
70°	1210.9	1238.7	1590.7	2292.2	2618.7	2442.7	5107.7	16249.2	26605.9	32044.7
72.5°	847.4	856.7	1104.4	1745.8	2109.3	1782.8	2431.1	10833.6	20122.8	25151.8
75°	574.2	585.8	743.2	1280.4	1692.5	1361.4	1287.3	5809.3	11813.0	13922.3
77.5°	351.9	356.6	479.3	875.2	1266.5	1037.3	828.9	2461.2	4570.5	4487.2
80°	199.1	199.1	305.6	544.1	863.6	669.1	581.2	1046.5	1447.1	1271.1
82.5°	111.1	113.5	222.3	338.0	571.9	395.9	319.5	483.9	625.1	553.4
85°	46.3	50.9	136.6	159.8	273.2	196.8	129.7	203.8	231.5	206.1
87.5°	4.6	6.9	41.7	30.1	32.4	39.4	18.5	39.4	32.4	32.4
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°
5327.7	0°	5327.7	5327.7	5327.7	5327.7	5327.7	5327.7	5327.7	5327.7	5327.7	5327.7
5406.4	2.5°	5362.4	5327.7	5239.7	5137.8	5003.5	4938.7	4850.7	4790.5	4739.6	4744.2
5540.7	5°	5466.6	5378.6	5181.8	4936.4	4630.7	4413.1	4181.6	4021.8	3892.1	3864.3
5725.9	7.5°	5610.1	5471.2	5126.2	4684.0	4167.7	3776.4	3426.7	3202.2	3042.4	2991.5
5950.5	10°	5795.4	5593.9	5054.4	4366.8	3623.5	3125.7	2750.7	2574.7	2465.9	2428.8
6214.4	12.5°	6010.7	5735.2	4959.5	3980.1	3063.2	2583.9	2345.5	2257.5	2222.8	2211.2
6538.6	15°	6281.6	5911.1	4816.0	3521.7	2588.6	2252.9	2151.0	2139.4	2144.0	2139.4
6927.6	17.5°	6603.4	6103.3	4582.1	3049.3	2269.1	2083.8	2046.8	2056.0	2067.6	2065.3
7362.9	20°	6955.4	6293.2	4283.4	2630.3	2051.4	1963.4	1942.6	1951.9	1961.1	1956.5
7865.3	22.5°	7355.9	6496.9	3952.3	2303.8	1905.5	1852.3	1829.1	1831.5	1831.5	1822.2
8502.0	25°	7835.2	6721.5	3605.0	2072.3	1794.4	1752.7	1724.9	1715.7	1701.8	1674.0
9275.4	27.5°	8407.1	6960.0	3271.6	1910.2	1706.4	1667.1	1634.6	1611.5	1576.8	1530.5
10203.8	30°	9050.8	7249.4	2989.1	1808.3	1637.0	1597.6	1560.6	1525.8	1474.9	1417.0
11271.2	32.5°	9807.9	7559.7	2783.1	1741.2	1574.4	1532.8	1488.8	1447.1	1391.5	1333.7
12470.6	35°	10710.9	7934.8	2662.7	1694.8	1525.8	1470.3	1421.6	1375.3	1333.7	1282.7
13774.1	37.5°	11690.3	8333.0	2625.6	1671.7	1493.4	1407.7	1352.2	1319.8	1315.1	1285.0
15184.2	40°	12762.3	8805.3	2653.4	1657.8	1458.7	1347.5	1287.3	1280.4	1292.0	1238.7
16691.5	42.5°	13896.8	9365.7	2699.7	1641.6	1410.1	1287.3	1229.5	1229.5	1220.2	1146.1
18284.4	45°	15124.0	10011.6	2746.0	1602.2	1352.2	1227.1	1183.2	1166.9	1127.6	1055.8
19886.7	47.5°	16360.4	10669.2	2780.8	1530.5	1282.7	1176.2	1136.8	1099.8	1041.9	977.1
21458.8	50°	17534.3	11259.6	2743.7	1424.0	1204.0	1127.6	1085.9	1035.0	972.5	928.5
22947.6	52.5°	18583.1	11771.3	2586.3	1298.9	1120.6	1076.6	1039.6	986.3	935.4	889.1
24290.5	55°	19495.4	12185.8	2308.4	1180.8	1046.5	1032.7	995.6	928.5	859.0	819.6
25621.8	57.5°	20370.6	12500.7	1961.1	1083.6	979.4	984.0	928.5	868.3	803.4	761.8
27416.3	60°	21535.2	12922.1	1609.2	993.3	907.6	921.5	861.3	817.3	736.3	683.0
30493.4	62.5°	23396.8	13577.3	1278.1	882.2	824.3	828.9	803.4	750.2	652.9	590.4
32774.0	65°	24874.0	13336.5	1007.2	761.8	729.3	736.3	736.3	678.4	574.2	502.4
32896.7	67.5°	24707.3	11419.4	803.4	643.7	639.0	643.7	659.9	611.3	509.4	451.5
30391.5	70°	22760.1	9083.2	643.7	534.8	555.7	544.1	590.4	558.0	458.4	400.6
23561.2	72.5°	18571.6	6543.2	490.9	442.2	426.0	444.6	532.5	502.4	382.0	317.2
12479.8	75°	10852.1	3491.6	365.8	349.6	307.9	370.5	472.3	428.3	291.7	233.9
3825.0	77.5°	3533.2	1217.9	268.6	257.0	229.2	298.7	402.9	361.2	238.5	185.2
1120.6	80°	947.0	368.1	182.9	169.0	148.2	222.3	319.5	287.1	171.3	120.4
481.6	82.5°	379.7	155.1	106.5	94.9	81.0	152.8	252.4	231.5	127.3	76.4
150.5	85°	122.7	50.9	39.4	30.1	37.0	94.9	150.5	157.4	90.3	39.4
23.2	87.5°	16.2	6.9	6.9	9.3	6.9	16.2	46.3	44.0	25.5	4.6
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°
5327.7
4697.9
3801.8
2940.5
2401.0
2204.2
2137.1
2060.7
1954.2
1817.6
1669.4
1525.8
1412.4
1336.0
1278.1
1282.7
1241.0
1146.1
1053.5
974.8
921.5
884.5
815.0
757.1
676.1
585.8
495.5
442.2
393.6
310.3
226.9
178.3
118.1
76.4
30.1
0.0
0.0

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