

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: P851775

Luminaire Tested: **GLAN-SB9D-930-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851775  
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-SB9D-930-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 900mA 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: 45662 lumens  
Efficiency: N/A  
Efficacy: 69.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G5

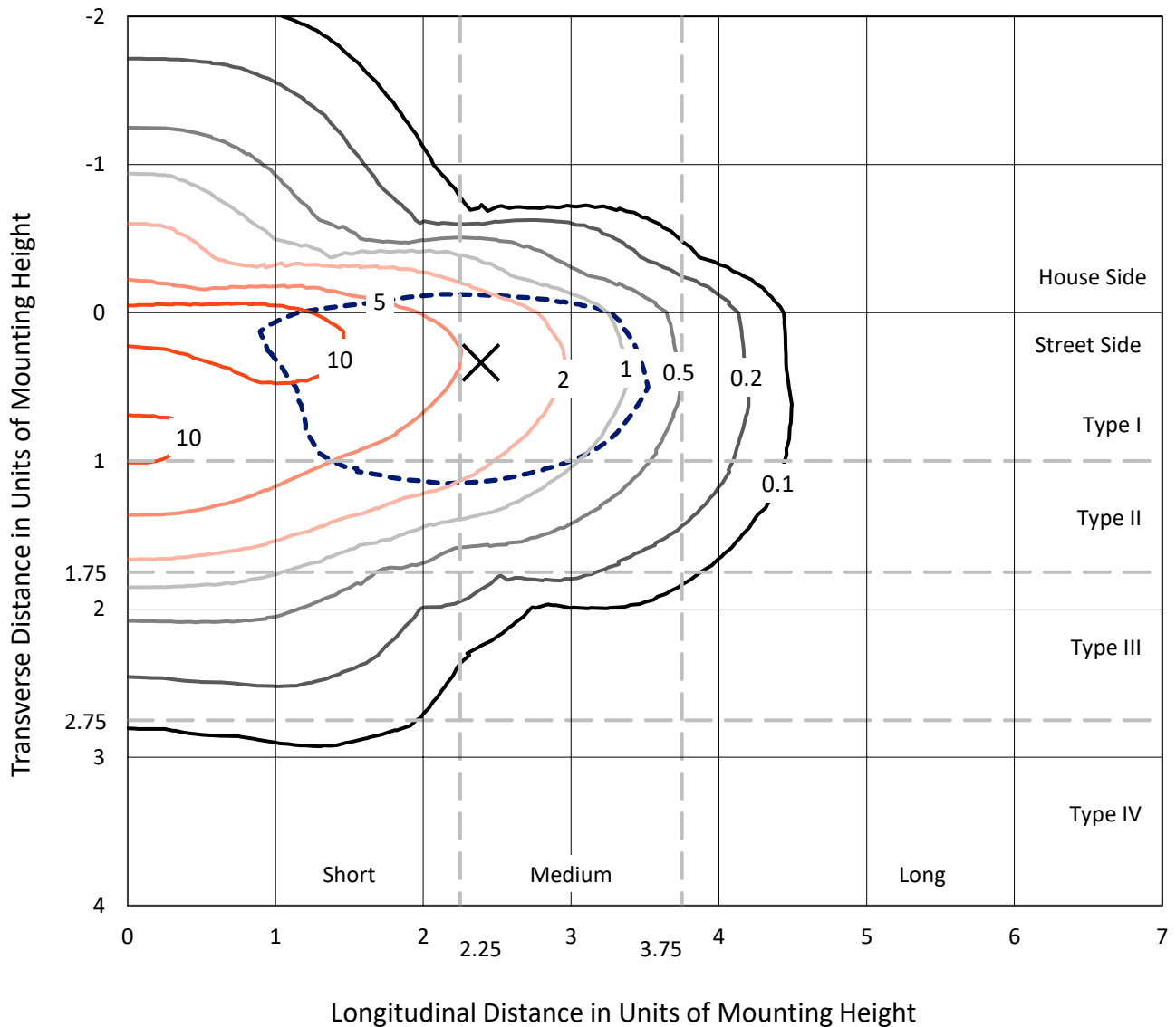
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

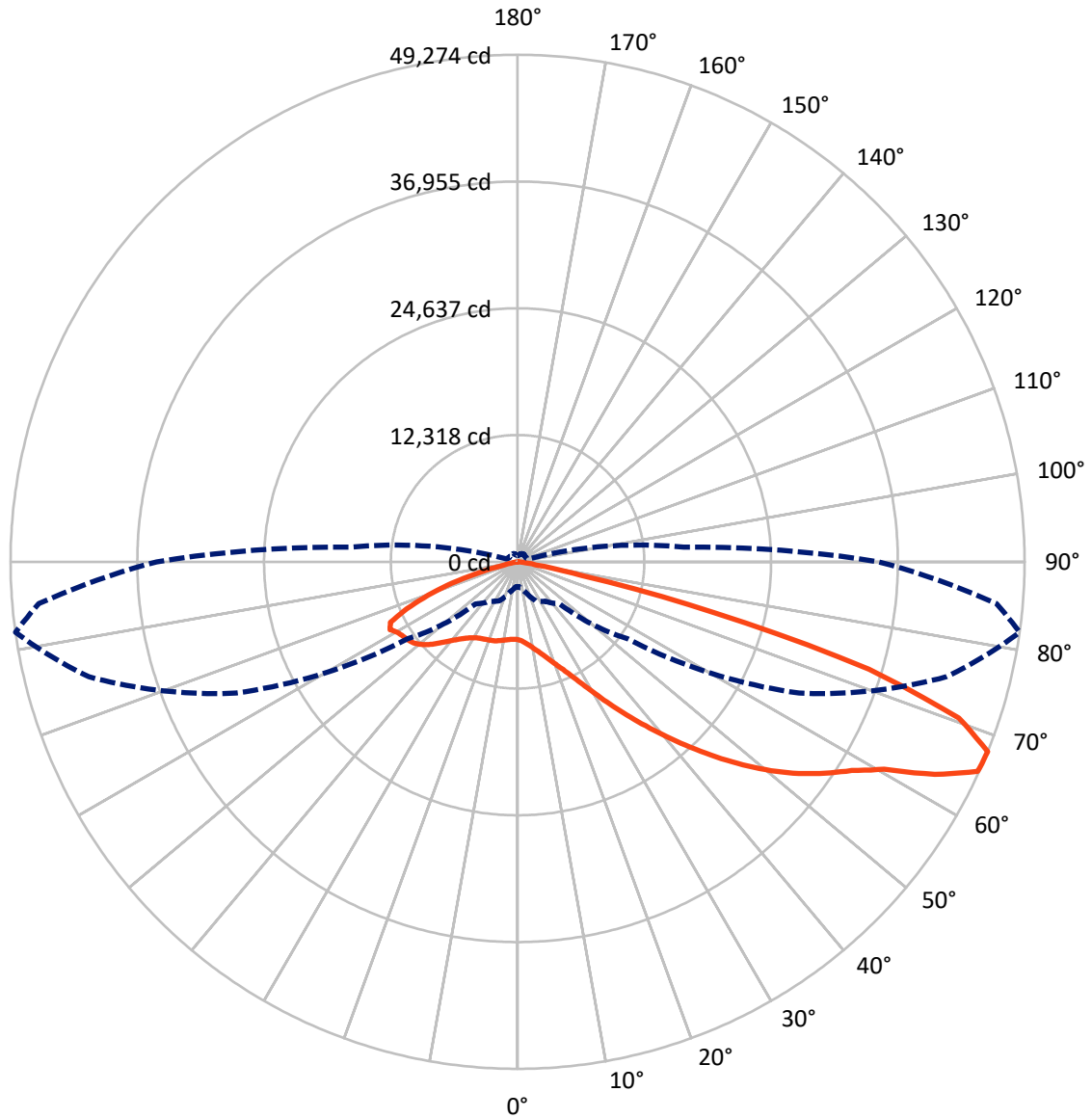
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 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	8271.3	0.0	8271.3
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	37390.7	0.0	37390.7
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	45662.0	0.0	45662.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	674.0	1.5
10°-20°	1751.3	3.8
20°-30°	2805.1	6.1
30°-40°	4960.2	10.9
40°-50°	8690.8	19.0
50°-60°	11591.1	25.4
60°-70°	10790.7	23.6
70°-80°	4141.5	9.1
80°-90°	257.2	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°	45662.0	100.0
0°-180°	45662.0	100.0

**Coefficient of Utilization**

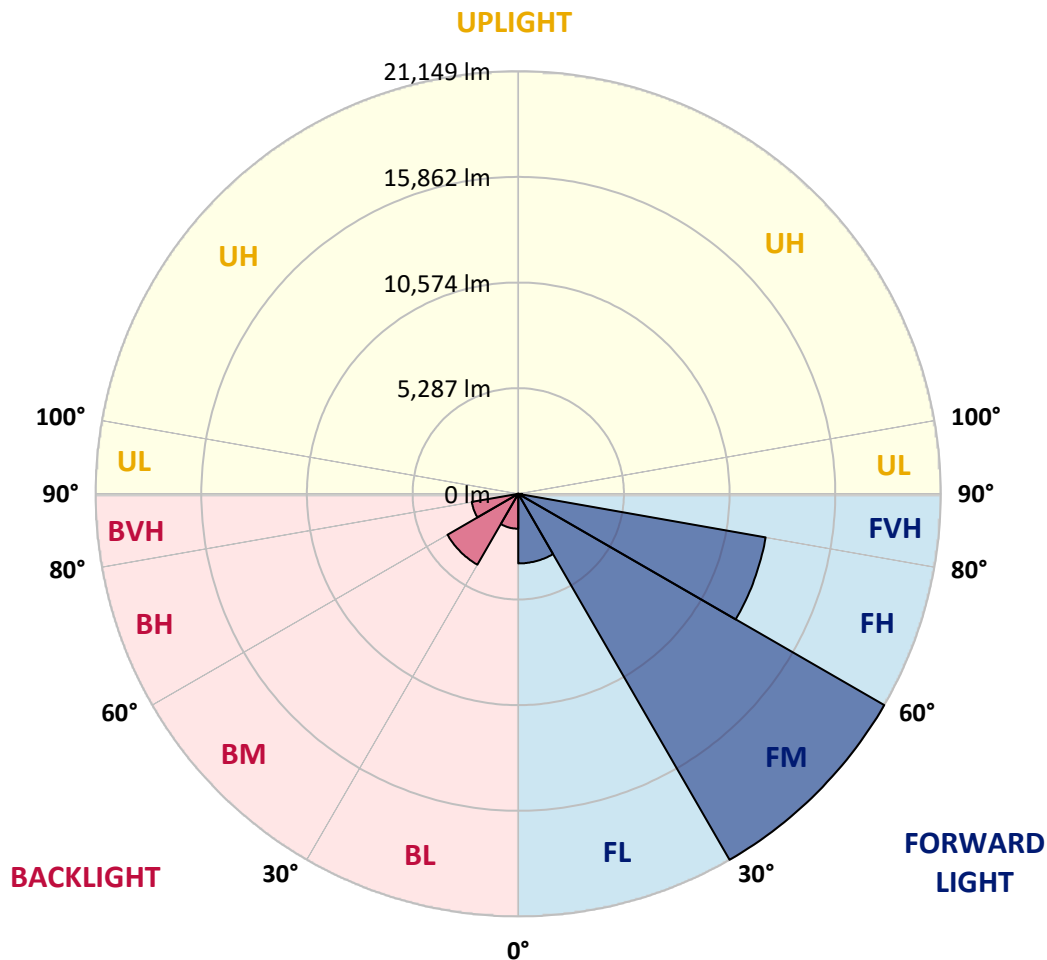


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3483.5	7.6			
FM (30°-60°)	21148.8	46.3			
FH (60°-80°)	12571.4	27.5			G5
FVH (80°-90°)	187.0	0.4			G2/225
BL (0°-30°)	1746.9	3.8	B3/2500		
BM (30°-60°)	4093.4	9.0	B3/5000		
BH (60°-80°)	2360.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	70.2	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-G5**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7564.6	7564.6	7564.6	7564.6	7564.6	7564.6	7564.6	7564.6	7564.6	7564.6
2.5°	7995.3	8041.3	8015.0	8001.9	7978.9	7946.0	7919.7	7837.5	7752.0	7696.2
5°	8156.4	8202.4	8199.1	8212.3	8228.7	8238.6	8232.0	8140.0	8018.3	7923.0
7.5°	8018.3	8070.9	8113.7	8179.4	8294.5	8416.1	8475.3	8455.6	8330.6	8199.1
10°	7627.1	7683.0	7784.9	7939.4	8182.7	8445.7	8666.0	8767.9	8689.0	8544.3
12.5°	6910.4	6966.3	7166.9	7502.2	7909.8	8366.8	8787.6	9060.5	9080.2	8935.6
15°	6105.0	6160.9	6374.6	6795.4	7416.7	8149.8	8853.4	9369.5	9543.8	9418.8
17.5°	5605.3	5654.6	5815.7	6154.3	6801.9	7715.9	8830.4	9698.3	10096.1	9997.4
20°	5454.0	5496.8	5572.4	5809.1	6348.3	7265.5	8679.1	10007.3	10691.1	10635.2
22.5°	5615.1	5654.6	5677.6	5782.8	6121.4	6969.6	8488.4	10322.9	11381.5	11388.1
25°	5986.6	6026.1	5999.8	6065.5	6213.5	6877.6	8416.1	10694.4	12249.4	12321.7
27.5°	6598.1	6601.4	6538.9	6535.6	6558.7	7015.6	8491.7	11092.2	13344.2	13478.9
30°	7824.4	7775.1	7535.1	7275.3	7157.0	7429.9	8702.1	11562.3	14636.2	14876.2
32.5°	9714.7	9642.4	9201.8	8580.5	7955.9	8097.2	9080.2	12098.2	16043.2	16477.2
35°	11766.1	11746.4	11286.2	10362.4	9270.9	9047.3	9695.0	12801.7	17578.5	18268.9
37.5°	13672.9	13663.0	13400.0	12311.9	10983.7	10372.2	10681.2	13722.2	19222.3	20221.7
40°	15415.3	15444.9	15181.9	14208.8	12870.8	12071.9	12022.6	14859.7	21050.2	22348.8
42.5°	16921.0	16953.9	16687.6	15967.6	14734.8	13952.4	13669.6	16253.6	22835.3	24633.6
45°	17943.4	18147.3	18107.8	17532.5	16648.1	15836.1	15648.7	18002.6	24870.3	27056.5
47.5°	18232.7	18420.1	18716.0	18794.9	18255.8	17456.9	17680.4	20109.9	26928.3	29482.7
50°	17519.3	17693.6	18308.4	19127.0	19501.7	19255.2	19656.2	22368.5	29035.6	31902.4
52.5°	16112.3	16289.8	17065.7	18361.0	19889.7	20665.5	21638.6	24594.1	31077.2	34193.8
55°	14077.3	14264.7	15260.8	16727.0	19150.0	21247.4	23292.3	26816.5	32947.8	36255.1
57.5°	11309.2	11447.2	12482.8	14534.3	17289.2	20668.8	24512.0	29242.7	34709.9	38280.2
60°	7370.7	7492.3	8695.6	10983.7	14205.5	18735.7	24755.2	31948.4	37050.7	40913.5
62.5°	4901.7	4983.9	5697.3	7377.3	10004.0	15024.1	23331.7	34108.3	40482.9	45496.4
65°	3363.2	3445.4	4158.7	5329.1	6463.3	9938.3	19238.7	33822.3	43592.9	49135.7
67.5°	2399.9	2468.9	3073.9	4178.5	4678.2	5772.9	13041.7	30166.5	43145.8	49273.8
70°	1719.4	1758.8	2258.5	3254.7	3718.2	3468.4	7252.3	23072.0	37777.2	45499.7
72.5°	1203.2	1216.4	1568.2	2478.8	2995.0	2531.4	3451.9	15382.4	28572.1	35712.6
75°	815.3	831.7	1055.3	1818.0	2403.2	1933.1	1827.9	8248.5	16773.1	19768.0
77.5°	499.7	506.3	680.5	1242.7	1798.3	1472.8	1176.9	3494.7	6489.6	6371.3
80°	282.7	282.7	434.0	772.6	1226.3	950.1	825.2	1486.0	2054.7	1804.9
82.5°	157.8	161.1	315.6	480.0	812.0	562.2	453.7	687.1	887.6	785.7
85°	65.8	72.3	194.0	226.8	387.9	279.4	184.1	289.3	328.8	292.6
87.5°	6.6	9.9	59.2	42.7	46.0	55.9	26.3	55.9	46.0	46.0
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°
7564.6	0°	7564.6	7564.6	7564.6	7564.6	7564.6	7564.6	7564.6	7564.6	7564.6	7564.6
7676.4	2.5°	7614.0	7564.6	7439.7	7295.1	7104.4	7012.3	6887.4	6801.9	6729.6	6736.2
7867.1	5°	7761.9	7637.0	7357.5	7009.1	6575.1	6266.1	5937.3	5710.5	5526.4	5486.9
8130.1	7.5°	7965.7	7768.5	7278.6	6650.7	5917.6	5362.0	4865.6	4546.7	4319.8	4247.5
8449.0	10°	8228.7	7942.7	7176.7	6200.3	5145.0	4438.2	3905.6	3655.8	3501.2	3448.6
8823.8	12.5°	8534.5	8143.3	7041.9	5651.3	4349.4	3668.9	3330.3	3205.4	3156.0	3139.6
9284.0	15°	8919.1	8393.1	6838.1	5000.4	3675.5	3198.8	3054.1	3037.7	3044.3	3037.7
9836.3	17.5°	9376.1	8666.0	6506.1	4329.7	3221.8	2958.8	2906.2	2919.3	2935.8	2932.5
10454.4	20°	9875.8	8935.6	6082.0	3734.7	2912.8	2787.8	2758.3	2771.4	2784.6	2778.0
11167.8	22.5°	10444.5	9224.9	5611.8	3271.1	2705.7	2630.0	2597.2	2600.5	2600.5	2587.3
12071.9	25°	11125.1	9543.8	5118.7	2942.4	2547.8	2488.7	2449.2	2436.1	2416.3	2376.9
13169.9	27.5°	11937.1	9882.4	4645.3	2712.2	2422.9	2367.0	2321.0	2288.1	2238.8	2173.1
14488.2	30°	12851.0	10293.3	4244.2	2567.6	2324.3	2268.4	2215.8	2166.5	2094.2	2012.0
16003.8	32.5°	13926.1	10733.8	3951.6	2472.2	2235.5	2176.4	2113.9	2054.7	1975.8	1893.6
17706.7	35°	15208.2	11266.4	3780.7	2406.5	2166.5	2087.6	2018.6	1952.8	1893.6	1821.3
19557.6	37.5°	16598.8	11831.9	3728.1	2373.6	2120.5	1998.8	1919.9	1873.9	1867.3	1824.6
21559.7	40°	18121.0	12502.5	3767.5	2353.9	2071.2	1913.4	1827.9	1818.0	1834.5	1758.8
23699.9	42.5°	19731.9	13298.1	3833.3	2330.9	2002.1	1827.9	1745.7	1745.7	1732.5	1627.3
25961.8	45°	21474.3	14215.4	3899.0	2275.0	1919.9	1742.4	1679.9	1656.9	1601.0	1499.1
28236.8	47.5°	23229.8	15149.0	3948.3	2173.1	1821.3	1670.1	1614.2	1561.6	1479.4	1387.3
30469.0	50°	24896.6	15987.3	3895.7	2021.8	1709.5	1601.0	1541.9	1469.5	1380.8	1318.3
32582.9	52.5°	26385.9	16713.9	3672.2	1844.3	1591.2	1528.7	1476.1	1400.5	1328.2	1262.4
34489.7	55°	27681.2	17302.4	3277.7	1676.6	1486.0	1466.2	1413.6	1318.3	1219.7	1163.8
36380.0	57.5°	28923.8	17749.5	2784.6	1538.6	1390.6	1397.2	1318.3	1232.8	1140.8	1081.6
38927.9	60°	30577.5	18347.8	2284.8	1410.4	1288.7	1308.4	1223.0	1160.5	1045.4	969.8
43297.0	62.5°	33220.7	19278.2	1814.7	1252.6	1170.4	1176.9	1140.8	1065.2	927.1	838.3
46535.2	65°	35318.1	18936.3	1430.1	1081.6	1035.6	1045.4	1045.4	963.3	815.3	713.4
46709.5	67.5°	35081.4	16214.2	1140.8	913.9	907.4	913.9	937.0	867.9	723.3	641.1
43152.4	70°	32316.6	12897.1	913.9	759.4	789.0	772.6	838.3	792.3	650.9	568.7
33454.1	72.5°	26369.4	9290.6	697.0	627.9	604.9	631.2	756.1	713.4	542.4	450.4
17719.9	75°	15408.7	4957.6	519.4	496.4	437.2	526.0	670.7	608.2	414.2	332.0
5431.0	77.5°	5016.8	1729.3	381.4	364.9	325.5	424.1	572.0	512.9	338.6	263.0
1591.2	80°	1344.6	522.7	259.7	240.0	210.4	315.6	453.7	407.7	243.3	171.0
683.8	82.5°	539.2	220.3	151.2	134.8	115.1	217.0	358.3	328.8	180.8	108.5
213.7	85°	174.2	72.3	55.9	42.7	52.6	134.8	213.7	223.6	128.2	55.9
32.9	87.5°	23.0	9.9	9.9	13.2	9.9	23.0	65.8	62.5	36.2	6.6
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°
7564.6
6670.4
5398.2
4175.2
3409.2
3129.7
3034.4
2925.9
2774.7
2580.7
2370.3
2166.5
2005.4
1896.9
1814.7
1821.3
1762.1
1627.3
1495.8
1384.1
1308.4
1255.8
1157.2
1075.0
960.0
831.7
703.5
627.9
558.9
440.5
322.2
253.1
167.7
108.5
42.7
0.0
0.0

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