

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: P851545

Luminaire Tested: **GLAN-SB9C-827-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851545  
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-SB9C-827-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 2700K, 615mA 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: 39715 lumens  
Efficiency: N/A  
Efficacy: 88.3 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

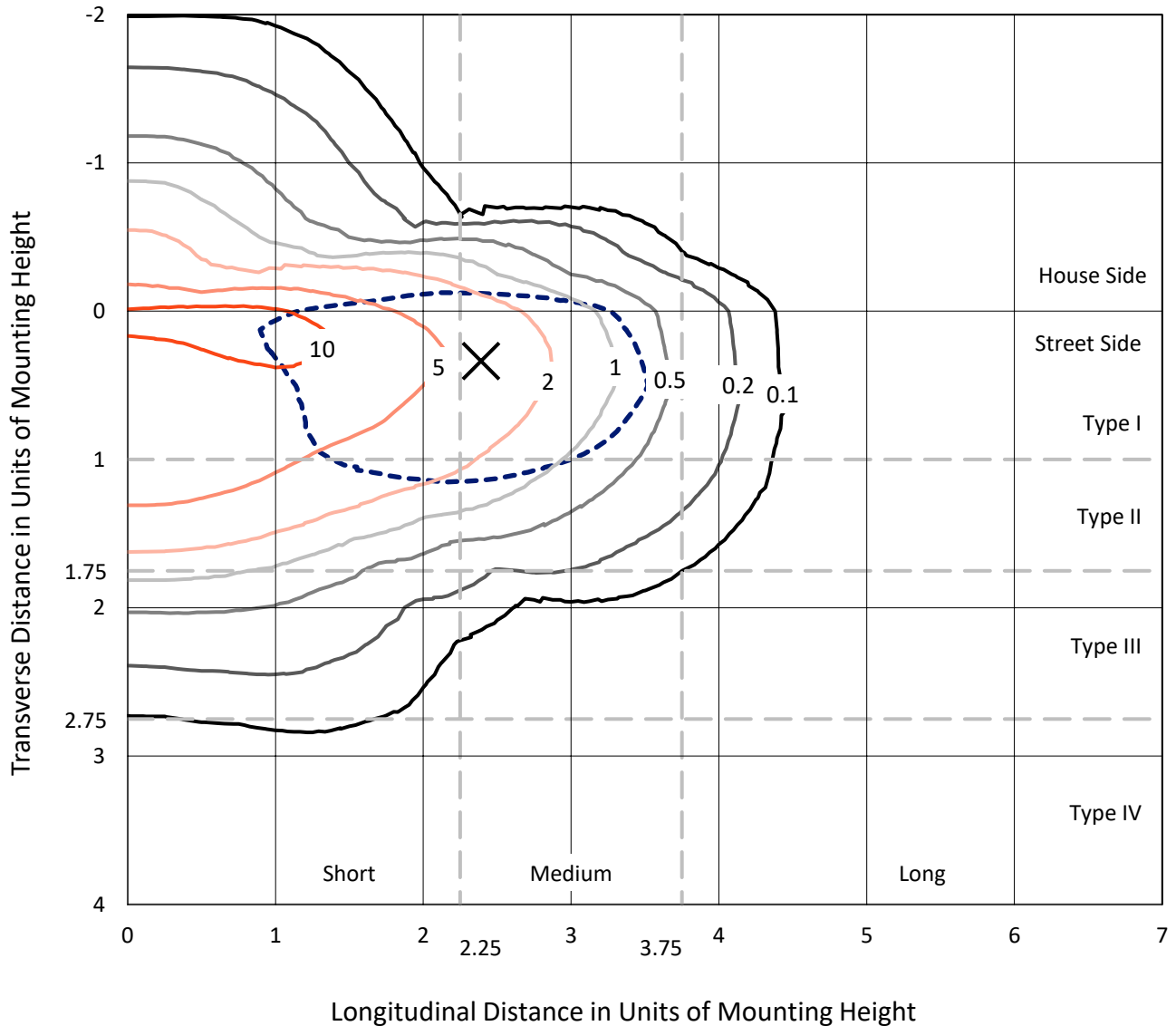
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

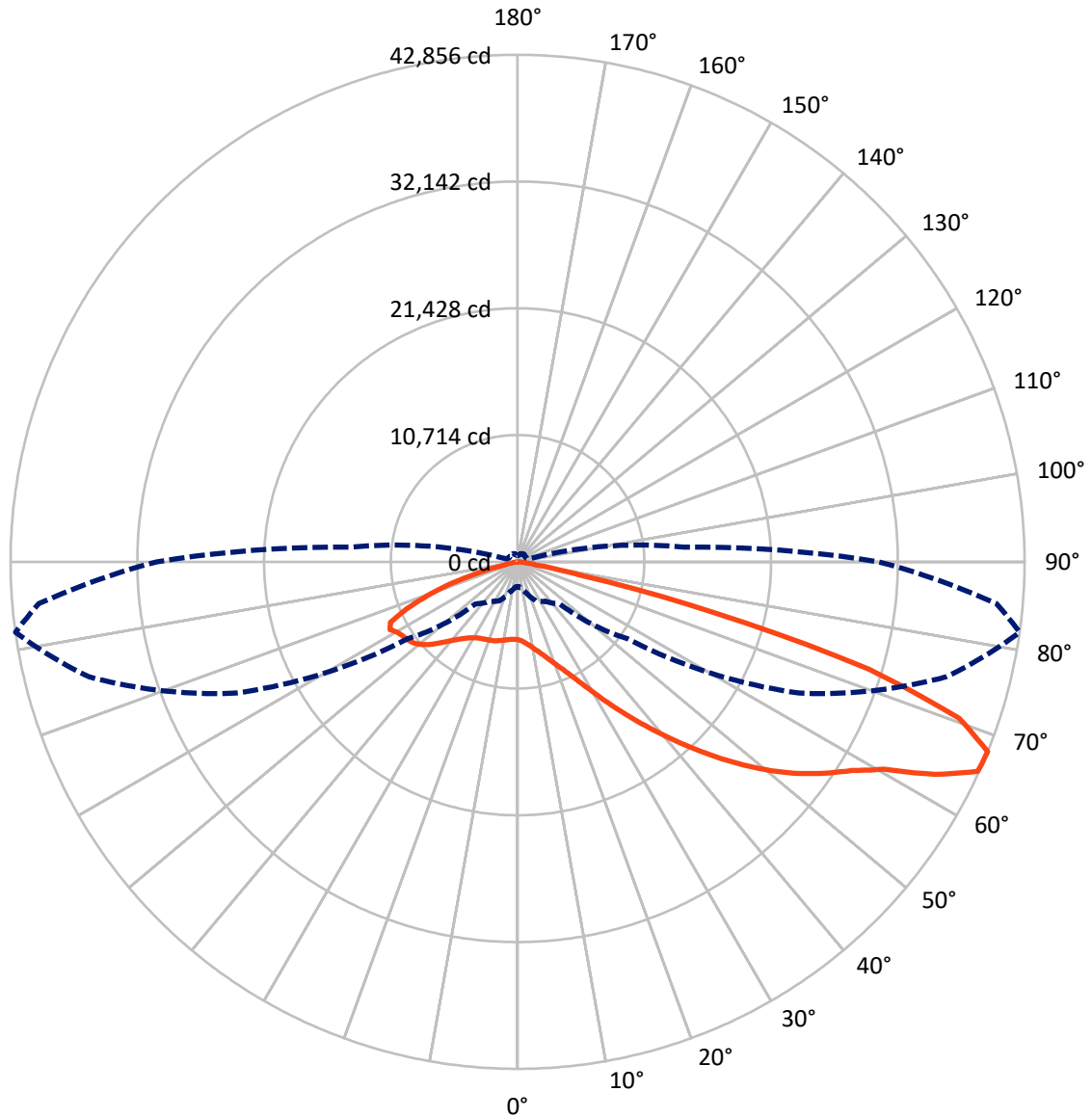
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 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	7194.0	0.0	7194.0
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	32521.0	0.0	32521.0
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	39715.0	0.0	39715.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	586.2	1.5
10°-20°	1523.2	3.8
20°-30°	2439.7	6.1
30°-40°	4314.2	10.9
40°-50°	7558.9	19.0
50°-60°	10081.5	25.4
60°-70°	9385.4	23.6
70°-80°	3602.1	9.1
80°-90°	223.7	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°	39715.0	100.0
0°-180°	39715.0	100.0

**Coefficient of Utilization**

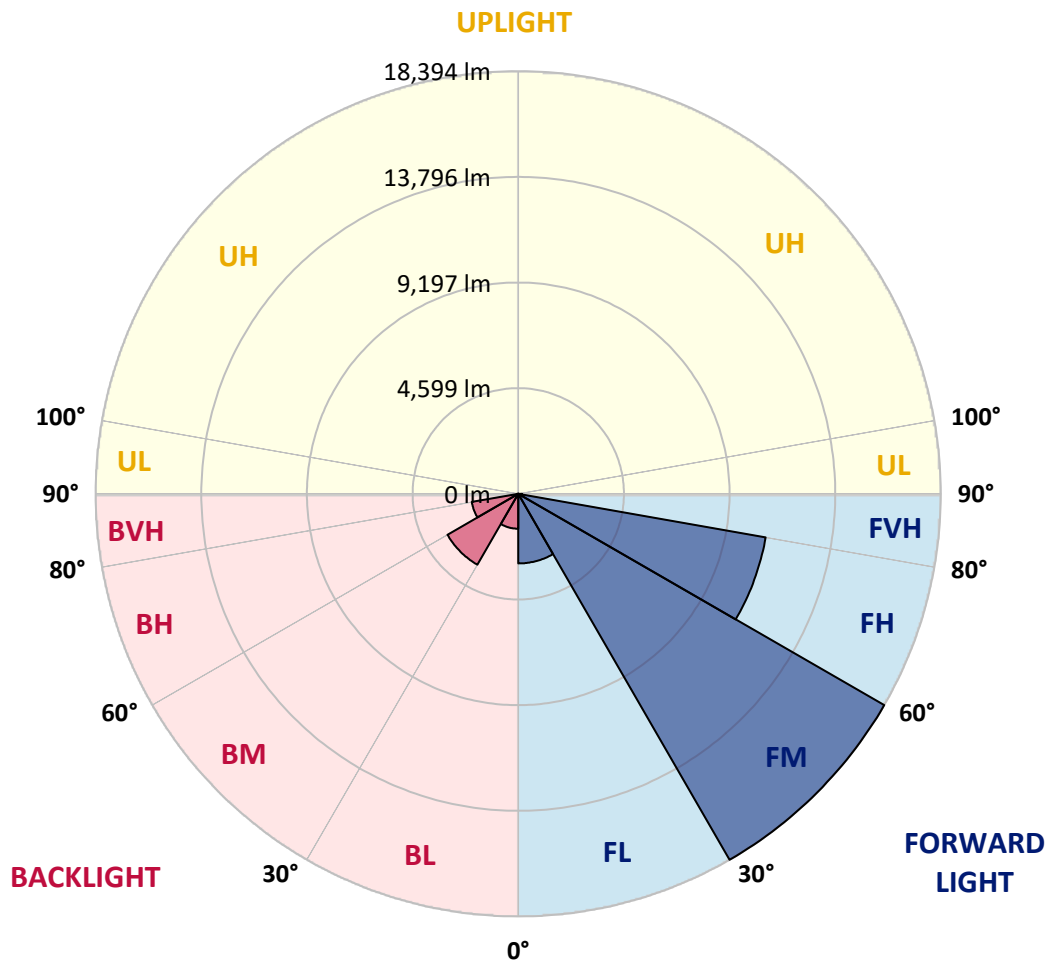


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3029.8	7.6			
FM (30°-60°)	18394.4	46.3			
FH (60°-80°)	10934.1	27.5			G4/12000
FVH (80°-90°)	162.7	0.4			G2/225
BL (0°-30°)	1519.4	3.8	B3/2500		
BM (30°-60°)	3560.3	9.0	B3/5000		
BH (60°-80°)	2053.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	61.1	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°	6579.4	6579.4	6579.4	6579.4	6579.4	6579.4	6579.4	6579.4	6579.4	6579.4
2.5°	6954.0	6994.0	6971.2	6959.7	6939.7	6911.1	6888.2	6816.8	6742.4	6693.8
5°	7094.1	7134.2	7131.3	7142.7	7157.0	7165.6	7159.9	7079.8	6974.0	6891.1
7.5°	6974.0	7019.8	7056.9	7114.1	7214.2	7320.0	7371.5	7354.3	7245.7	7131.3
10°	6633.8	6682.4	6771.0	6905.4	7117.0	7345.7	7537.3	7626.0	7557.3	7431.5
12.5°	6010.4	6059.0	6233.4	6525.1	6879.7	7277.1	7643.1	7880.4	7897.6	7771.8
15°	5309.9	5358.5	5544.3	5910.3	6450.8	7088.4	7700.3	8149.2	8300.8	8192.1
17.5°	4875.2	4918.1	5058.2	5352.8	5916.1	6711.0	7680.3	8435.2	8781.2	8695.4
20°	4743.7	4780.9	4846.6	5052.5	5521.5	6319.2	7548.8	8704.0	9298.7	9250.1
22.5°	4883.8	4918.1	4938.1	5029.6	5324.2	6061.9	7382.9	8978.5	9899.2	9904.9
25°	5206.9	5241.2	5218.4	5275.6	5404.2	5981.8	7320.0	9301.6	10654.0	10717.0
27.5°	5738.8	5741.6	5687.3	5684.4	5704.5	6101.9	7385.8	9647.5	11606.2	11723.5
30°	6805.3	6762.4	6553.7	6327.8	6224.9	6462.2	7568.8	10056.4	12730.0	12938.7
32.5°	8449.5	8386.6	8003.4	7463.0	6919.7	7042.7	7897.6	10522.5	13953.8	14331.2
35°	10233.7	10216.6	9816.2	9012.8	8063.4	7869.0	8432.3	11134.4	15289.1	15889.6
37.5°	11892.2	11883.6	11654.8	10708.4	9553.2	9021.3	9290.1	11935.0	16718.8	17588.0
40°	13407.6	13433.4	13204.6	12358.2	11194.5	10499.6	10456.7	12924.4	18308.6	19438.1
42.5°	14717.2	14745.8	14514.2	13888.0	12815.7	12135.2	11889.3	14136.8	19861.2	21425.3
45°	15606.5	15783.8	15749.5	15249.1	14479.9	13773.6	13610.6	15658.0	21631.2	23532.7
47.5°	15858.1	16021.1	16278.4	16347.1	15878.1	15183.3	15377.7	17490.8	23421.2	25642.9
50°	15237.6	15389.2	15923.9	16635.9	16961.8	16747.4	17096.2	19455.2	25254.0	27747.4
52.5°	14013.8	14168.2	14843.0	15969.6	17299.2	17974.1	18820.4	21391.0	27029.7	29740.4
55°	12243.9	12406.8	13273.2	14548.5	16655.9	18480.2	20258.7	23324.0	28656.7	31533.2
57.5°	9836.3	9956.4	10857.1	12641.3	15037.5	17976.9	21319.5	25434.2	30189.3	33294.6
60°	6410.7	6516.5	7563.1	9553.2	12355.4	16295.6	21531.1	27787.4	32225.2	35585.0
62.5°	4263.3	4334.8	4955.3	6416.4	8701.1	13067.4	20293.0	29666.1	35210.4	39570.9
65°	2925.1	2996.6	3617.1	4635.1	5621.5	8643.9	16733.1	29417.3	37915.4	42736.3
67.5°	2087.3	2147.4	2673.5	3634.3	4068.9	5021.1	11343.2	26237.7	37526.5	42856.4
70°	1495.5	1529.8	1964.4	2830.8	3234.0	3016.6	6307.8	20067.1	32857.1	39573.8
72.5°	1046.5	1058.0	1363.9	2156.0	2604.9	2201.7	3002.3	13379.0	24850.9	31061.4
75°	709.1	723.4	917.9	1581.2	2090.2	1681.3	1589.8	7174.2	14588.6	17193.4
77.5°	434.6	440.3	591.9	1080.8	1564.1	1281.0	1023.7	3039.5	5644.4	5541.5
80°	245.9	245.9	377.4	672.0	1066.5	826.4	717.7	1292.4	1787.1	1569.8
82.5°	137.3	140.1	274.5	417.5	706.3	489.0	394.6	597.6	772.0	683.4
85°	57.2	62.9	168.7	197.3	337.4	243.0	160.1	251.6	285.9	254.5
87.5°	5.7	8.6	51.5	37.2	40.0	48.6	22.9	48.6	40.0	40.0
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°
6579.4	0°	6579.4	6579.4	6579.4	6579.4	6579.4	6579.4	6579.4	6579.4	6579.4	6579.4
6676.7	2.5°	6622.3	6579.4	6470.8	6345.0	6179.1	6099.1	5990.4	5916.1	5853.1	5858.9
6842.5	5°	6751.0	6642.3	6399.3	6096.2	5718.8	5450.0	5164.0	4966.7	4806.6	4772.3
7071.2	7.5°	6928.3	6756.7	6330.7	5784.5	5146.9	4663.6	4231.9	3954.5	3757.2	3694.3
7348.6	10°	7157.0	6908.3	6242.0	5392.8	4474.9	3860.2	3396.9	3179.6	3045.2	2999.5
7674.6	12.5°	7422.9	7082.7	6124.8	4915.3	3783.0	3191.1	2896.6	2787.9	2745.0	2730.7
8074.9	15°	7757.5	7300.0	5947.5	4349.1	3196.8	2782.2	2656.4	2642.1	2647.8	2642.1
8555.3	17.5°	8154.9	7537.3	5658.7	3765.8	2802.2	2573.4	2527.7	2539.1	2553.4	2550.6
9092.8	20°	8589.6	7771.8	5289.9	3248.3	2533.4	2424.8	2399.0	2410.5	2421.9	2416.2
9713.3	22.5°	9084.2	8023.4	4881.0	2845.1	2353.3	2287.5	2258.9	2261.8	2261.8	2250.3
10499.6	25°	9676.1	8300.8	4452.1	2559.1	2216.0	2164.6	2130.2	2118.8	2101.6	2067.3
11454.7	27.5°	10382.4	8595.3	4040.3	2359.0	2107.4	2058.8	2018.7	1990.1	1947.2	1890.0
12601.3	30°	11177.3	8952.7	3691.5	2233.2	2021.6	1973.0	1927.2	1884.3	1821.4	1749.9
13919.5	32.5°	12112.3	9335.9	3437.0	2150.3	1944.4	1892.9	1838.6	1787.1	1718.5	1647.0
15400.6	35°	13227.5	9799.1	3288.3	2093.1	1884.3	1815.7	1755.7	1698.5	1647.0	1584.1
17010.4	37.5°	14437.0	10290.9	3242.5	2064.5	1844.3	1738.5	1669.9	1629.8	1624.1	1587.0
18751.8	40°	15760.9	10874.2	3276.8	2047.3	1801.4	1664.2	1589.8	1581.2	1595.5	1529.8
20613.3	42.5°	17162.0	11566.2	3334.0	2027.3	1741.4	1589.8	1518.3	1518.3	1506.9	1415.4
22580.5	45°	18677.5	12364.0	3391.2	1978.7	1669.9	1515.5	1461.1	1441.1	1392.5	1303.9
24559.2	47.5°	20204.4	13176.0	3434.1	1890.0	1584.1	1452.6	1404.0	1358.2	1286.7	1206.7
26500.7	50°	21654.1	13905.2	3388.4	1758.5	1486.9	1392.5	1341.0	1278.1	1200.9	1146.6
28339.3	52.5°	22949.4	14537.1	3193.9	1604.1	1383.9	1329.6	1283.9	1218.1	1155.2	1098.0
29997.7	55°	24076.0	15048.9	2850.8	1458.3	1292.4	1275.3	1229.5	1146.6	1060.8	1012.2
31641.9	57.5°	25156.8	15437.8	2421.9	1338.2	1209.5	1215.2	1146.6	1072.3	992.2	940.7
33857.9	60°	26595.1	15958.2	1987.3	1226.7	1120.9	1138.0	1063.7	1009.4	909.3	843.5
37658.0	62.5°	28894.0	16767.4	1578.4	1089.4	1017.9	1023.7	992.2	926.4	806.3	729.1
40474.5	65°	30718.3	16470.0	1243.8	940.7	900.7	909.3	909.3	837.8	709.1	620.5
40626.1	67.5°	30512.4	14102.5	992.2	794.9	789.2	794.9	814.9	754.9	629.1	557.6
37532.2	70°	28107.7	11217.3	794.9	660.5	686.3	672.0	729.1	689.1	566.2	494.7
29097.0	72.5°	22935.1	8080.6	606.2	546.1	526.1	549.0	657.7	620.5	471.8	391.7
15412.1	75°	13401.9	4311.9	451.8	431.8	380.3	457.5	583.3	529.0	360.3	288.8
4723.7	77.5°	4363.4	1504.0	331.7	317.4	283.1	368.9	497.5	446.1	294.5	228.8
1383.9	80°	1169.5	454.6	225.9	208.7	183.0	274.5	394.6	354.6	211.6	148.7
594.8	82.5°	468.9	191.6	131.5	117.2	100.1	188.7	311.7	285.9	157.3	94.4
185.9	85°	151.5	62.9	48.6	37.2	45.8	117.2	185.9	194.4	111.5	48.6
28.6	87.5°	20.0	8.6	8.6	11.4	8.6	20.0	57.2	54.3	31.5	5.7
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°
6579.4
5801.7
4695.1
3631.4
2965.2
2722.1
2639.2
2544.8
2413.3
2244.6
2061.6
1884.3
1744.2
1649.9
1578.4
1584.1
1532.6
1415.4
1301.0
1203.8
1138.0
1092.3
1006.5
935.0
834.9
723.4
611.9
546.1
486.1
383.2
280.2
220.2
145.8
94.4
37.2
0.0
0.0

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