

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: P853088

Luminaire Tested: **GLAN-SB8C-840-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8C-840-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40776 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

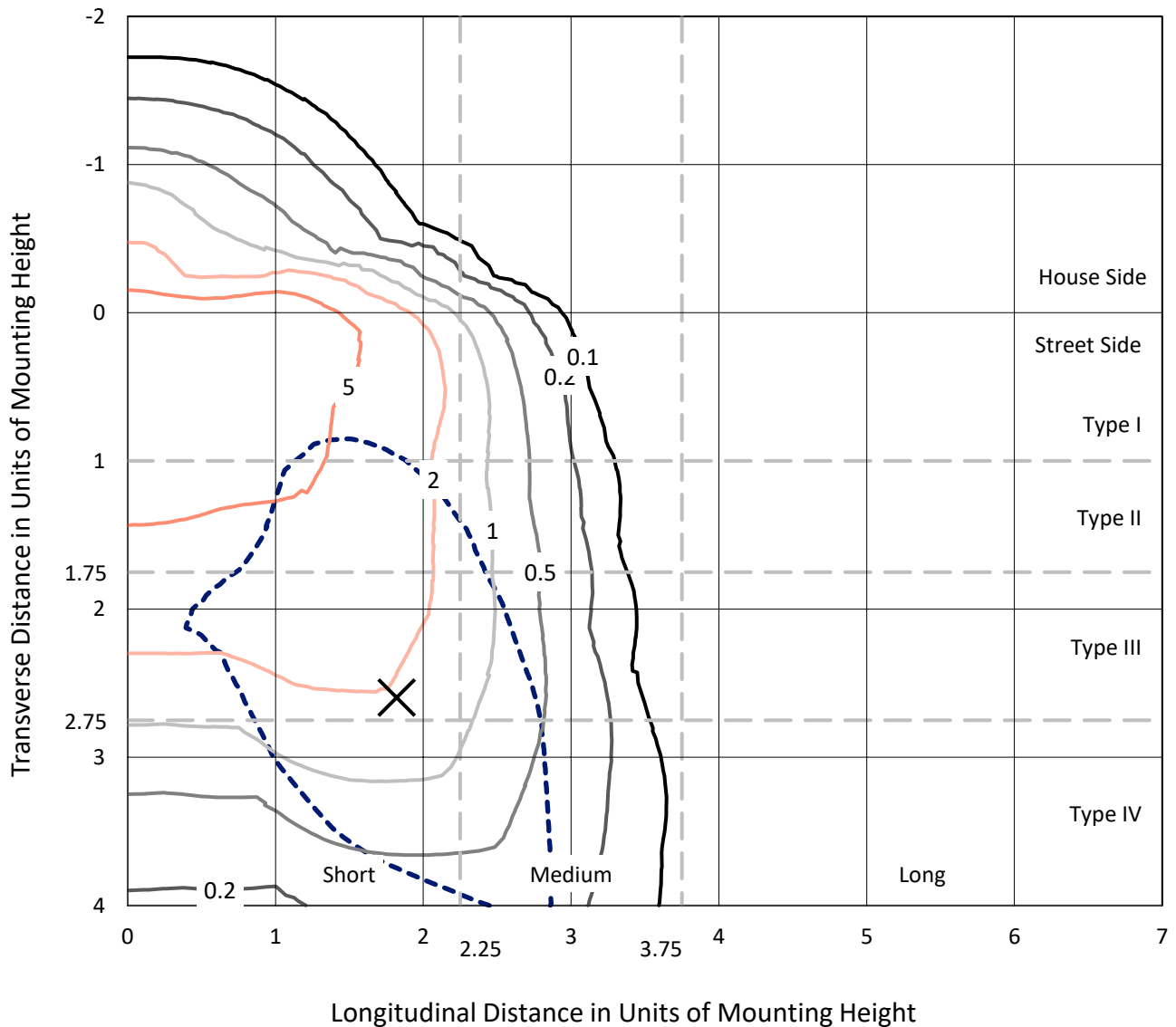
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

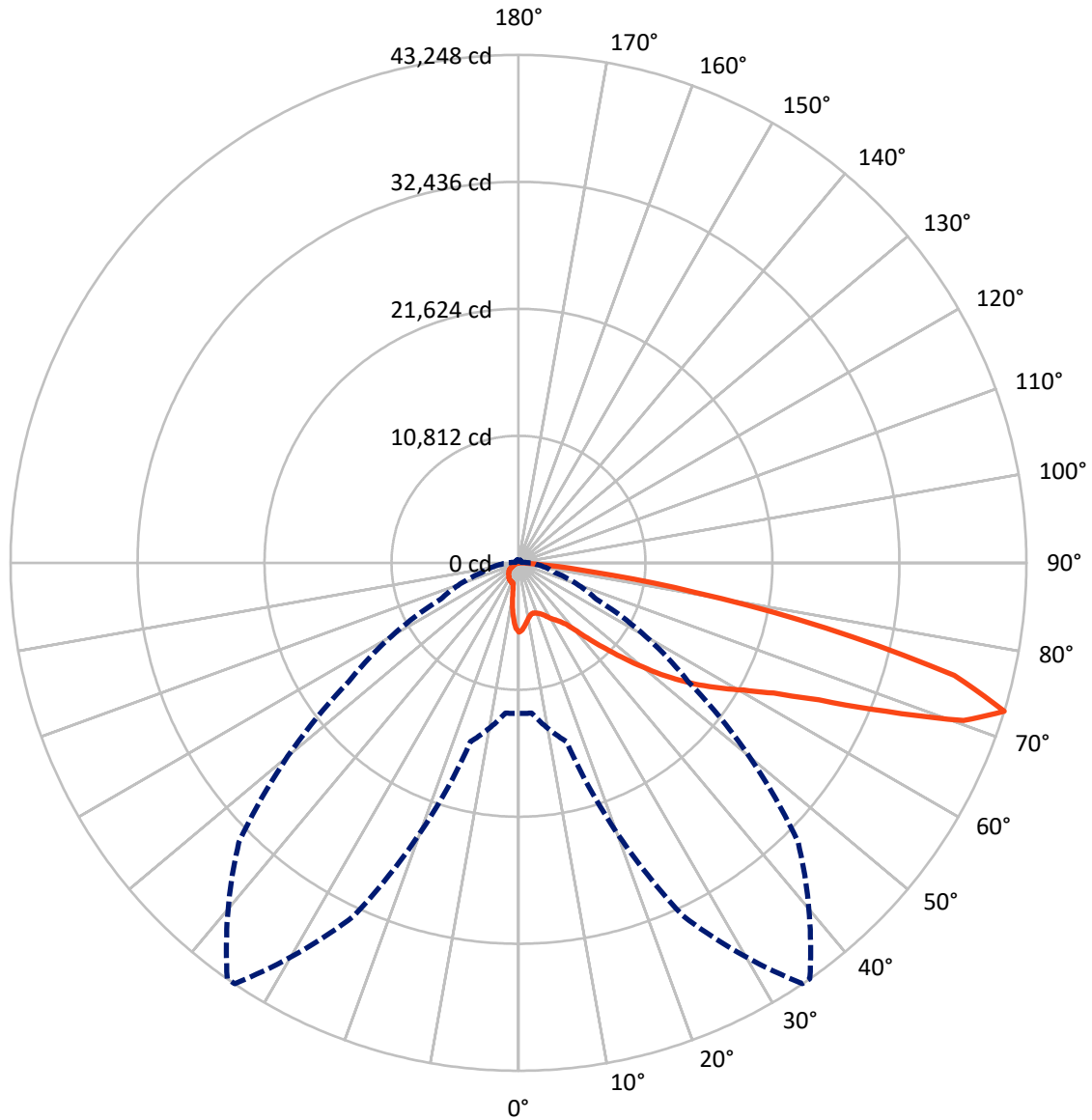
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4589.2	0.0	4589.2
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	36186.8	0.0	36186.8
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	40776.0	0.0	40776.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	485.6	1.2
10°-20°	1136.1	2.8
20°-30°	1845.5	4.5
30°-40°	3079.2	7.6
40°-50°	5826.0	14.3
50°-60°	9257.4	22.7
60°-70°	11452.1	28.1
70°-80°	7118.7	17.5
80°-90°	575.3	1.4
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°	40776.0	100.0
0°-180°	40776.0	100.0

**Coefficient of Utilization**

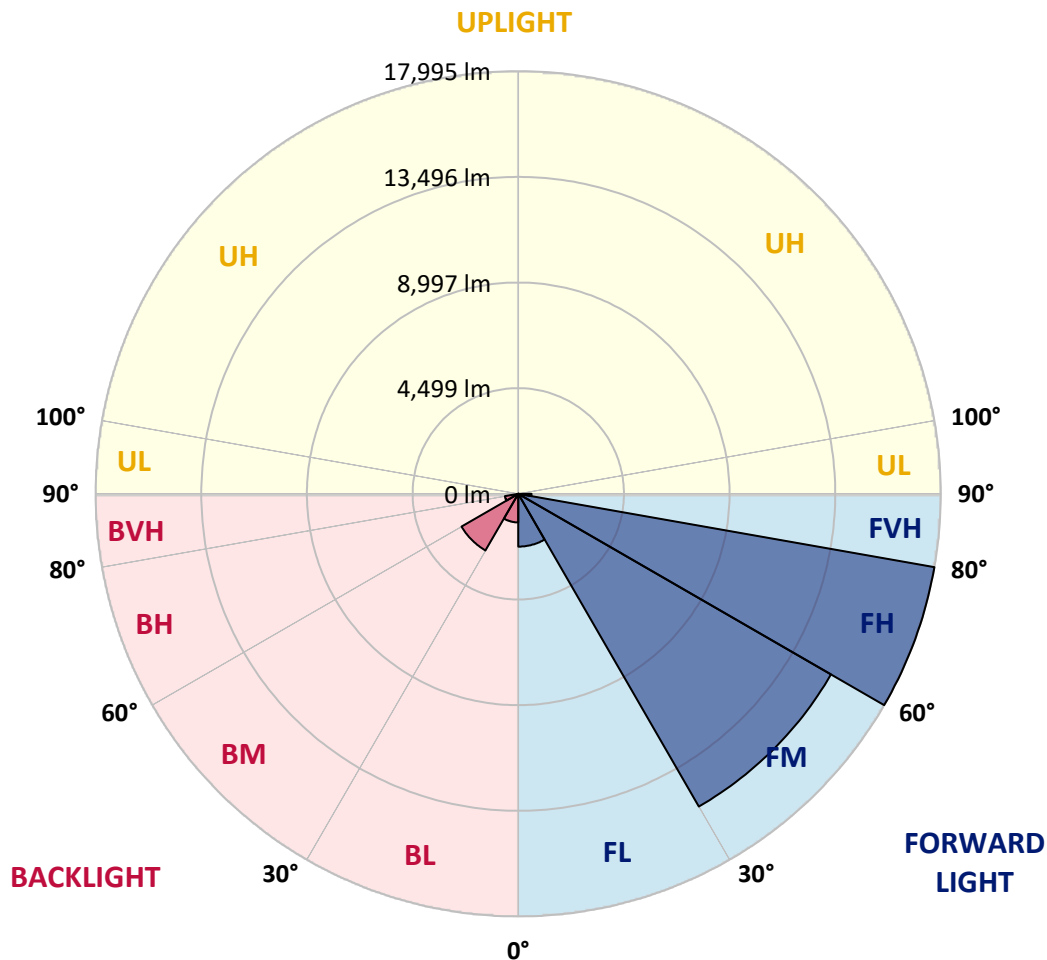


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2247.8	5.5			
FM (30°-60°)	15376.6	37.7			
FH (60°-80°)	17995.0	44.1			G5
FVH (80°-90°)	567.5	1.4			G4/750
BL (0°-30°)	1219.4	3.0	B3/2500		
BM (30°-60°)	2786.0	6.8	B3/5000		
BH (60°-80°)	575.9	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5909.8	5909.8	5909.8	5909.8	5909.8	5909.8	5909.8	5909.8	5909.8	5909.8
2.5°	5646.9	5694.7	5703.7	5718.6	5718.6	5736.5	5766.4	5808.2	5876.9	5912.8
5°	5204.7	5240.5	5285.4	5321.2	5389.9	5398.9	5515.4	5629.0	5787.3	5906.8
7.5°	4759.5	4801.3	4861.1	4947.7	5037.4	5064.3	5240.5	5431.8	5682.7	5906.8
10°	4445.8	4448.8	4502.6	4589.2	4732.6	4765.5	4980.6	5252.5	5566.2	5871.0
12.5°	4269.5	4290.4	4314.3	4380.1	4517.5	4538.4	4768.5	5088.2	5449.7	5850.1
15°	4269.5	4284.5	4299.4	4332.3	4442.8	4460.7	4663.9	4983.6	5389.9	5859.0
17.5°	4314.3	4338.2	4326.3	4365.1	4481.7	4493.6	4672.9	4953.7	5386.9	5915.8
20°	4421.9	4439.8	4415.9	4439.8	4556.3	4580.3	4765.5	5010.5	5437.7	6014.4
22.5°	4592.2	4601.2	4544.4	4562.3	4681.8	4711.7	4926.8	5171.8	5560.2	6172.7
25°	4807.3	4825.2	4738.6	4759.5	4873.1	4908.9	5156.9	5413.8	5754.4	6390.8
27.5°	5055.3	5064.3	4989.6	4986.6	5133.0	5183.8	5434.8	5712.6	6014.4	6665.7
30°	5339.1	5366.0	5294.3	5282.4	5467.6	5509.4	5757.4	6080.1	6396.8	7078.0
32.5°	5563.2	5584.1	5542.3	5572.2	5760.4	5793.3	6148.8	6600.0	6997.4	7663.6
35°	5885.9	5897.9	5802.2	5856.0	6071.1	6154.8	6683.6	7329.0	7753.3	8398.6
37.5°	7054.1	7054.1	6647.8	6381.9	6588.0	6662.7	7415.6	8246.2	8685.4	9384.6
40°	8670.5	8643.6	8049.1	7505.3	7478.4	7624.8	8458.4	9402.5	9889.5	10567.7
42.5°	10394.5	10352.6	9542.9	9005.1	8915.5	8966.3	9662.4	10827.7	11323.6	12010.8
45°	11924.2	11912.2	11171.3	10448.2	10286.9	10448.2	11165.3	12494.9	12850.4	13573.4
47.5°	13205.9	13205.9	12665.2	12193.1	12109.4	12205.0	13200.0	14344.3	14311.4	15237.6
50°	14681.9	14670.0	14156.1	13952.9	14039.5	14174.0	15542.4	16292.3	15823.2	16871.9
52.5°	15715.7	15787.4	15611.1	15578.2	16020.4	16253.5	17920.6	18198.5	17176.7	18422.6
55°	16534.3	16618.0	16821.1	17051.2	17902.7	18207.5	20224.2	20006.1	18309.1	19767.1
57.5°	17693.6	17574.1	17887.8	18341.9	19719.3	20086.8	22456.1	21712.1	19220.3	20857.6
60°	19100.8	19118.7	19172.5	19746.2	21532.9	22004.9	24655.1	23325.5	19805.9	21526.9
62.5°	20791.9	20818.8	20929.3	21810.7	23967.9	24413.1	26997.5	24646.1	20074.8	21338.7
65°	20675.4	20788.9	22022.9	25037.5	27669.7	28108.9	29731.3	25572.3	19668.5	19617.7
67.5°	18834.9	19020.1	21084.7	28891.7	33250.9	33740.9	33035.8	25754.6	17914.7	15255.6
70°	16420.8	16486.5	18969.4	32357.6	39713.4	40209.4	35993.7	23749.8	13594.4	8509.2
72.5°	12823.5	12838.4	15751.5	33161.3	43221.1	43248.0	33672.2	17630.8	7311.1	3268.6
75°	9160.5	9070.9	10549.8	26892.9	38025.4	38330.1	25243.7	8270.1	2793.6	1544.7
77.5°	4911.9	5010.5	5969.6	15948.7	26268.5	26788.3	13773.6	2384.2	1422.2	1051.7
80°	1517.8	1601.4	2447.0	7302.1	14879.1	15192.8	5106.1	1060.7	991.9	749.9
82.5°	478.0	496.0	1141.3	3068.4	6175.7	6319.1	1478.9	600.5	678.2	496.0
85°	137.4	140.4	507.9	1144.3	1526.8	1556.6	415.3	233.0	388.4	307.7
87.5°	14.9	47.8	191.2	191.2	134.4	131.5	44.8	50.8	110.5	38.8
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°
5909.8	0°	5909.8	5909.8	5909.8	5909.8	5909.8	5909.8	5909.8	5909.8	5909.8	5909.8
5936.7	2.5°	5921.8	5924.7	5885.9	5820.2	5748.5	5688.7	5614.0	5554.3	5512.4	5500.5
5990.5	5°	5963.6	5942.7	5832.1	5631.9	5392.9	5186.8	4956.7	4774.5	4654.9	4604.2
6047.2	7.5°	6026.3	5966.6	5724.6	5330.2	4873.1	4466.7	4054.4	3734.7	3531.5	3430.0
6101.0	10°	6080.1	5960.6	5545.3	4894.0	4194.8	3579.3	3023.6	2638.2	2423.1	2321.5
6163.8	12.5°	6130.9	5957.6	5312.3	4377.1	3430.0	2677.0	2160.2	1968.9	1909.2	1888.3
6265.4	15°	6226.5	5966.6	5019.5	3785.5	2668.1	2022.7	1834.5	1831.5	1843.5	1837.5
6420.7	17.5°	6358.0	5975.5	4687.8	3158.1	2058.6	1783.7	1774.7	1801.6	1819.6	1810.6
6614.9	20°	6528.3	6011.4	4335.3	2536.6	1768.8	1723.9	1744.9	1768.8	1783.7	1768.8
6874.9	22.5°	6767.3	6074.1	3949.8	2037.7	1676.1	1688.1	1706.0	1732.9	1747.8	1726.9
7206.5	25°	7060.1	6172.7	3570.4	1771.7	1631.3	1646.3	1673.2	1703.0	1721.0	1700.0
7624.8	27.5°	7439.5	6331.1	3220.8	1712.0	1586.5	1595.5	1634.3	1679.1	1703.0	1676.1
8219.4	30°	7989.3	6591.0	2919.1	1738.9	1559.6	1538.7	1592.5	1655.2	1682.1	1658.2
9029.0	32.5°	8718.3	6958.5	2733.8	1780.7	1547.7	1473.0	1523.8	1604.4	1649.2	1634.3
10086.7	35°	9674.4	7517.2	2662.1	1828.5	1538.7	1404.3	1440.1	1526.8	1604.4	1619.4
11419.3	37.5°	10833.7	8294.1	2683.0	1849.4	1511.8	1347.5	1365.4	1440.1	1541.7	1589.5
12919.1	40°	12151.3	9199.3	2802.5	1828.5	1481.9	1299.7	1302.7	1359.4	1449.1	1520.8
14532.5	42.5°	13510.7	10257.0	3023.6	1750.8	1455.0	1257.9	1248.9	1287.7	1347.5	1398.3
16142.9	45°	14804.4	11344.6	3241.7	1643.3	1422.2	1216.0	1195.1	1210.0	1222.0	1242.9
17711.5	47.5°	15933.8	12109.4	3179.0	1544.7	1377.4	1168.2	1132.4	1126.4	1090.5	1087.5
19112.8	50°	16713.6	12276.7	2823.4	1446.1	1311.6	1114.4	1057.7	1021.8	959.1	929.2
20161.5	52.5°	16961.6	11616.5	2306.6	1347.5	1204.1	1042.7	962.1	905.3	827.6	800.7
20765.0	55°	16632.9	10322.7	1843.5	1228.0	1054.7	947.1	857.5	782.8	720.1	687.2
20830.7	57.5°	15829.2	8676.5	1458.0	1087.5	896.3	839.6	749.9	675.2	621.5	588.6
20101.7	60°	14496.7	6889.8	1153.3	920.2	764.9	723.0	630.4	582.6	534.8	496.0
18219.4	62.5°	12473.9	4917.9	905.3	729.0	639.4	591.6	537.8	501.9	445.2	391.4
14834.3	65°	9734.2	3008.7	699.1	534.8	513.9	490.0	457.1	424.3	355.5	301.8
9677.4	67.5°	6139.9	1425.2	499.0	403.3	406.3	394.4	379.4	352.6	301.8	254.0
4335.3	70°	2703.9	690.2	328.7	307.7	301.8	301.8	313.7	304.8	256.9	212.1
1505.8	72.5°	920.2	370.5	245.0	233.0	218.1	215.1	262.9	254.0	206.2	164.3
749.9	75°	481.0	248.0	179.3	167.3	131.5	158.4	209.1	197.2	146.4	107.6
496.0	77.5°	313.7	176.3	122.5	107.6	74.7	104.6	155.4	137.4	86.6	53.8
325.7	80°	197.2	116.5	71.7	50.8	35.9	56.8	83.7	59.8	32.9	12.0
191.2	82.5°	104.6	59.8	26.9	17.9	14.9	17.9	20.9	14.9	6.0	0.0
98.6	85°	41.8	20.9	9.0	6.0	3.0	0.0	6.0	3.0	0.0	0.0
17.9	87.5°	14.9	3.0	0.0	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°
5909.8
5521.4
4622.1
3444.9
2324.5
1882.3
1834.5
1807.6
1765.8
1723.9
1697.1
1676.1
1655.2
1634.3
1619.4
1601.4
1544.7
1419.2
1254.9
1084.6
932.2
797.7
687.2
582.6
487.0
382.4
292.8
248.0
203.2
155.4
98.6
47.8
9.0
0.0
0.0
0.0
0.0

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