

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: P853086

Luminaire Tested: **GLAN-SB8C-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853086  
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-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 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: 37964 lumens  
Efficiency: N/A  
Efficacy: 95.0 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

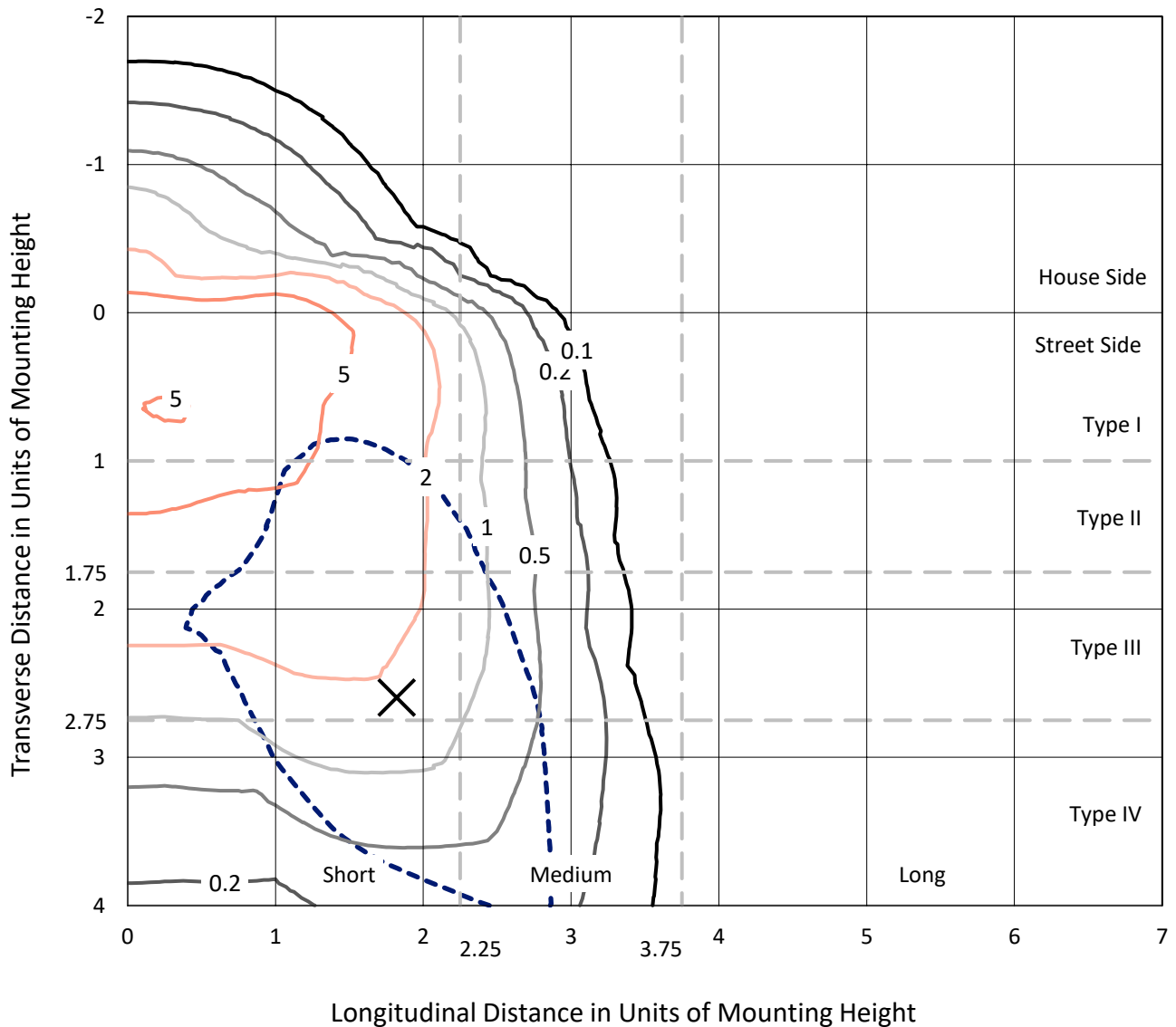
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

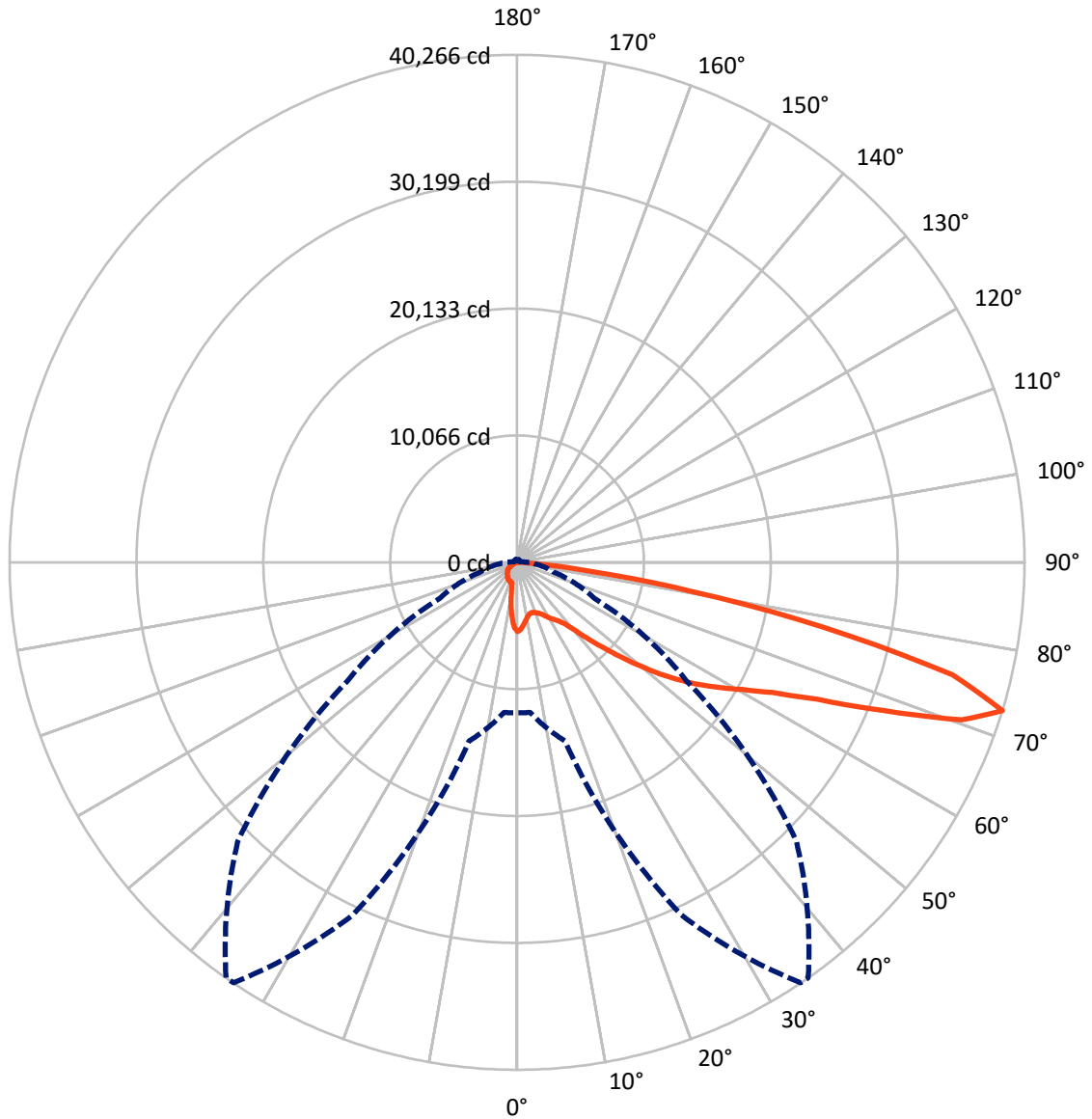
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	4272.7	0.0	4272.7
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	33691.3	0.0	33691.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	37964.0	0.0	37964.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.1	1.2
10°-20°	1057.7	2.8
20°-30°	1718.2	4.5
30°-40°	2866.9	7.6
40°-50°	5424.2	14.3
50°-60°	8619.0	22.7
60°-70°	10662.3	28.1
70°-80°	6627.8	17.5
80°-90°	535.6	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°	37964.0	100.0
0°-180°	37964.0	100.0

**Coefficient of Utilization**



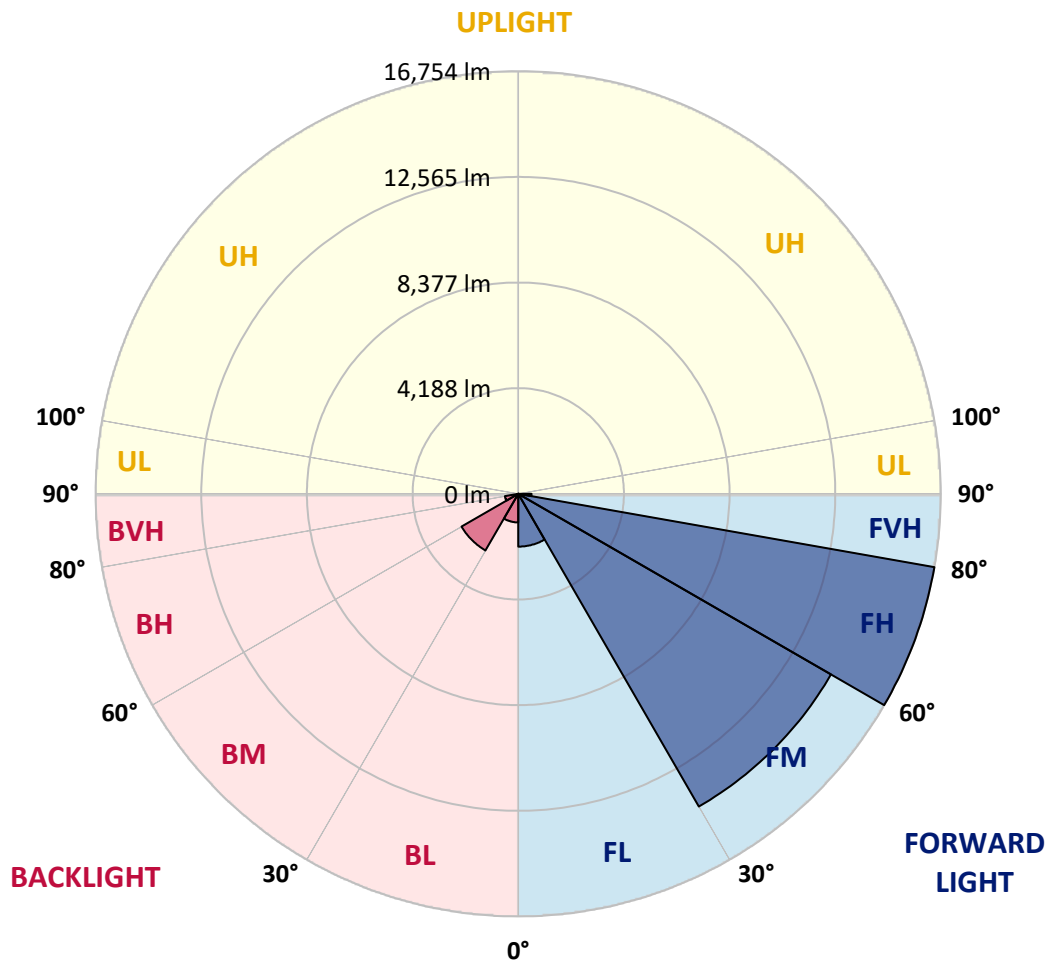
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2092.8	5.5			
FM (30°-60°)	14316.2	37.7			
FH (60°-80°)	16754.0	44.1			G5
FVH (80°-90°)	528.3	1.4			G4/750
BL (0°-30°)	1135.3	3.0	B3/2500		
BM (30°-60°)	2593.9	6.8	B3/5000		
BH (60°-80°)	536.2	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.3	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°	5502.3	5502.3	5502.3	5502.3	5502.3	5502.3	5502.3	5502.3	5502.3	5502.3
2.5°	5257.5	5302.0	5310.3	5324.2	5324.2	5340.9	5368.7	5407.7	5471.7	5505.0
5°	4845.8	4879.1	4920.9	4954.3	5018.2	5026.6	5135.1	5240.8	5388.2	5499.5
7.5°	4431.3	4470.2	4525.9	4606.5	4690.0	4715.0	4879.1	5057.2	5290.8	5499.5
10°	4139.2	4142.0	4192.1	4272.7	4406.3	4436.9	4637.1	4890.3	5182.4	5466.1
12.5°	3975.1	3994.6	4016.8	4078.0	4206.0	4225.4	4439.6	4737.3	5073.9	5446.6
15°	3975.1	3989.0	4002.9	4033.5	4136.4	4153.1	4342.3	4639.9	5018.2	5455.0
17.5°	4016.8	4039.1	4027.9	4064.1	4172.6	4183.7	4350.6	4612.1	5015.5	5507.8
20°	4117.0	4133.6	4111.4	4133.6	4242.1	4264.4	4436.9	4665.0	5062.7	5599.6
22.5°	4275.5	4283.9	4231.0	4247.7	4359.0	4386.8	4587.1	4815.2	5176.8	5747.0
25°	4475.8	4492.5	4411.8	4431.3	4537.0	4570.4	4801.3	5040.5	5357.6	5950.1
27.5°	4706.7	4715.0	4645.5	4642.7	4779.0	4826.3	5060.0	5318.7	5599.6	6206.0
30°	4970.9	4996.0	4929.2	4918.1	5090.6	5129.5	5360.4	5660.8	5955.7	6589.9
32.5°	5179.6	5199.0	5160.1	5187.9	5363.2	5393.8	5724.8	6144.8	6514.8	7135.1
35°	5480.0	5491.1	5402.1	5452.2	5652.5	5730.4	6222.7	6823.6	7218.6	7819.4
37.5°	6567.7	6567.7	6189.3	5941.8	6133.7	6203.3	6904.2	7677.6	8086.5	8737.4
40°	8072.6	8047.5	7494.0	6987.7	6962.7	7099.0	7875.1	8754.1	9207.5	9839.0
42.5°	9677.6	9638.7	8884.8	8384.1	8300.7	8348.0	8996.1	10081.0	10542.7	11182.5
45°	11101.9	11090.7	10400.9	9727.7	9577.5	9727.7	10395.3	11633.2	11964.2	12637.4
47.5°	12295.2	12295.2	11791.7	11352.2	11274.3	11363.4	12289.7	13355.1	13324.5	14186.8
50°	13669.4	13658.3	13179.8	12990.7	13071.3	13196.5	14470.5	15168.8	14732.0	15708.4
52.5°	14631.9	14698.6	14534.5	14503.9	14915.6	15132.6	16684.8	16943.5	15992.1	17152.1
55°	15394.1	15472.0	15661.1	15875.3	16668.1	16951.8	18829.5	18626.4	17046.4	18403.9
57.5°	16473.4	16362.1	16654.2	17077.0	18359.4	18701.6	20907.5	20214.8	17894.9	19419.2
60°	17783.6	17800.3	17850.3	18384.4	20047.9	20487.4	22954.8	21716.9	18440.1	20042.3
62.5°	19358.0	19383.1	19486.0	20306.6	22315.0	22729.5	25135.7	22946.5	18690.4	19867.1
65°	19249.6	19355.3	20504.1	23310.9	25761.6	26170.5	27681.0	23808.8	18312.1	18264.8
67.5°	17536.0	17708.5	19630.6	26899.3	30957.8	31414.0	30757.6	23978.5	16679.2	14203.5
70°	15288.4	15349.6	17661.2	30126.1	36974.7	37436.5	33511.5	22111.9	12656.9	7922.4
72.5°	11939.2	11953.1	14665.3	30874.4	40240.5	40265.5	31350.1	16415.0	6806.9	3043.2
75°	8528.8	8445.3	9822.3	25038.3	35403.0	35686.8	23502.8	7699.8	2600.9	1438.2
77.5°	4573.2	4665.0	5557.9	14848.9	24456.9	24941.0	12823.8	2219.8	1324.1	979.2
80°	1413.1	1491.0	2278.2	6798.5	13853.0	14145.1	4754.0	987.5	923.5	698.2
82.5°	445.1	461.8	1062.6	2856.8	5749.8	5883.4	1377.0	559.1	631.5	461.8
85°	128.0	130.7	472.9	1065.4	1421.5	1449.3	386.7	217.0	361.6	286.5
87.5°	13.9	44.5	178.0	178.0	125.2	122.4	41.7	47.3	102.9	36.2
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°
5502.3	0°	5502.3	5502.3	5502.3	5502.3	5502.3	5502.3	5502.3	5502.3	5502.3	5502.3
5527.3	2.5°	5513.4	5516.2	5480.0	5418.8	5352.0	5296.4	5226.9	5171.2	5132.3	5121.2
5577.4	5°	5552.3	5532.9	5429.9	5243.6	5021.0	4829.1	4614.9	4445.2	4333.9	4286.6
5630.2	7.5°	5610.7	5555.1	5329.8	4962.6	4537.0	4158.7	3774.8	3477.2	3288.0	3193.4
5680.3	10°	5660.8	5549.5	5162.9	4556.5	3905.5	3332.5	2815.1	2456.3	2256.0	2161.4
5738.7	12.5°	5708.1	5546.8	4945.9	4075.2	3193.4	2492.4	2011.2	1833.2	1777.5	1758.1
5833.3	15°	5797.1	5555.1	4673.3	3524.4	2484.1	1883.2	1708.0	1705.2	1716.3	1710.8
5977.9	17.5°	5919.5	5563.5	4364.5	2940.3	1916.6	1660.7	1652.3	1677.4	1694.1	1685.7
6158.7	20°	6078.1	5596.8	4036.3	2361.7	1646.8	1605.1	1624.5	1646.8	1660.7	1646.8
6400.8	22.5°	6300.6	5655.3	3677.4	1897.1	1560.5	1571.7	1588.4	1613.4	1627.3	1607.8
6709.5	25°	6573.2	5747.0	3324.2	1649.6	1518.8	1532.7	1557.8	1585.6	1602.3	1582.8
7099.0	27.5°	6926.5	5894.5	2998.7	1593.9	1477.1	1485.4	1521.6	1563.3	1585.6	1560.5
7652.5	30°	7438.3	6136.5	2717.7	1619.0	1452.1	1432.6	1482.7	1541.1	1566.1	1543.9
8406.4	32.5°	8117.1	6478.6	2545.3	1657.9	1440.9	1371.4	1418.7	1493.8	1535.5	1521.6
9391.1	35°	9007.2	6998.8	2478.5	1702.4	1432.6	1307.4	1340.8	1421.5	1493.8	1507.7
10631.8	37.5°	10086.5	7722.1	2498.0	1721.9	1407.6	1254.6	1271.2	1340.8	1435.4	1479.9
12028.2	40°	11313.3	8564.9	2609.3	1702.4	1379.7	1210.1	1212.8	1265.7	1349.1	1415.9
13530.3	42.5°	12579.0	9549.7	2815.1	1630.1	1354.7	1171.1	1162.8	1198.9	1254.6	1301.8
15029.7	45°	13783.5	10562.2	3018.2	1529.9	1324.1	1132.2	1112.7	1126.6	1137.7	1157.2
16490.1	47.5°	14835.0	11274.3	2959.8	1438.2	1282.4	1087.7	1054.3	1048.7	1015.3	1012.5
17794.7	50°	15561.0	11430.1	2628.7	1346.4	1221.2	1037.6	984.7	951.4	892.9	865.1
18771.1	52.5°	15791.9	10815.4	2147.5	1254.6	1121.0	970.8	895.7	842.9	770.5	745.5
19333.0	55°	15485.9	9610.9	1716.3	1143.3	981.9	881.8	798.4	728.8	670.4	639.8
19394.2	57.5°	14737.6	8078.1	1357.5	1012.5	834.5	781.7	698.2	628.7	578.6	548.0
18715.5	60°	13496.9	6414.7	1073.7	856.8	712.1	673.2	586.9	542.4	497.9	461.8
16963.0	62.5°	11613.7	4578.7	842.9	678.7	595.3	550.8	500.7	467.3	414.5	364.4
13811.3	65°	9062.9	2801.2	650.9	497.9	478.5	456.2	425.6	395.0	331.0	281.0
9010.0	67.5°	5716.4	1326.9	464.5	375.5	378.3	367.2	353.3	328.2	281.0	236.4
4036.3	70°	2517.5	642.6	306.0	286.5	281.0	281.0	292.1	283.7	239.2	197.5
1402.0	72.5°	856.8	344.9	228.1	217.0	203.1	200.3	244.8	236.4	191.9	153.0
698.2	75°	447.9	230.9	166.9	155.8	122.4	147.4	194.7	183.6	136.3	100.1
461.8	77.5°	292.1	164.1	114.1	100.1	69.5	97.4	144.6	128.0	80.7	50.1
303.2	80°	183.6	108.5	66.8	47.3	33.4	52.9	77.9	55.6	30.6	11.1
178.0	82.5°	97.4	55.6	25.0	16.7	13.9	16.7	19.5	13.9	5.6	0.0
91.8	85°	38.9	19.5	8.3	5.6	2.8	0.0	5.6	2.8	0.0	0.0
16.7	87.5°	13.9	2.8	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°
5502.3
5140.6
4303.3
3207.3
2164.2
1752.5
1708.0
1682.9
1644.0
1605.1
1580.0
1560.5
1541.1
1521.6
1507.7
1491.0
1438.2
1321.3
1168.3
1009.8
867.9
742.7
639.8
542.4
453.4
356.1
272.6
230.9
189.2
144.6
91.8
44.5
8.3
0.0
0.0
0.0
0.0

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