

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: P850185

Luminaire Tested: **GLAN-SB7C-827-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850185  
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-SB7C-827-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

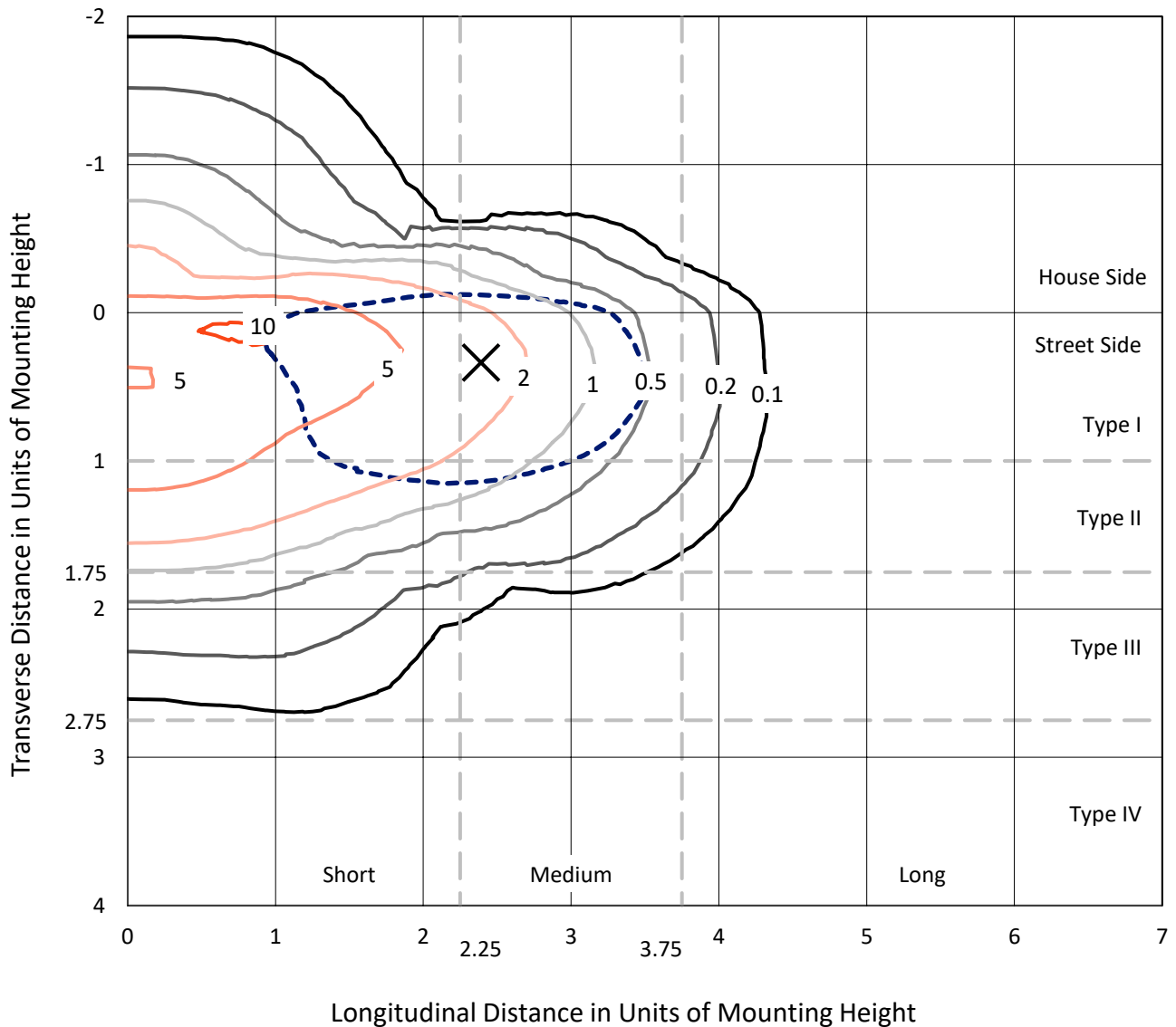
Lumens per Lamp: N/A  
Luminaire Lumens: 31009 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

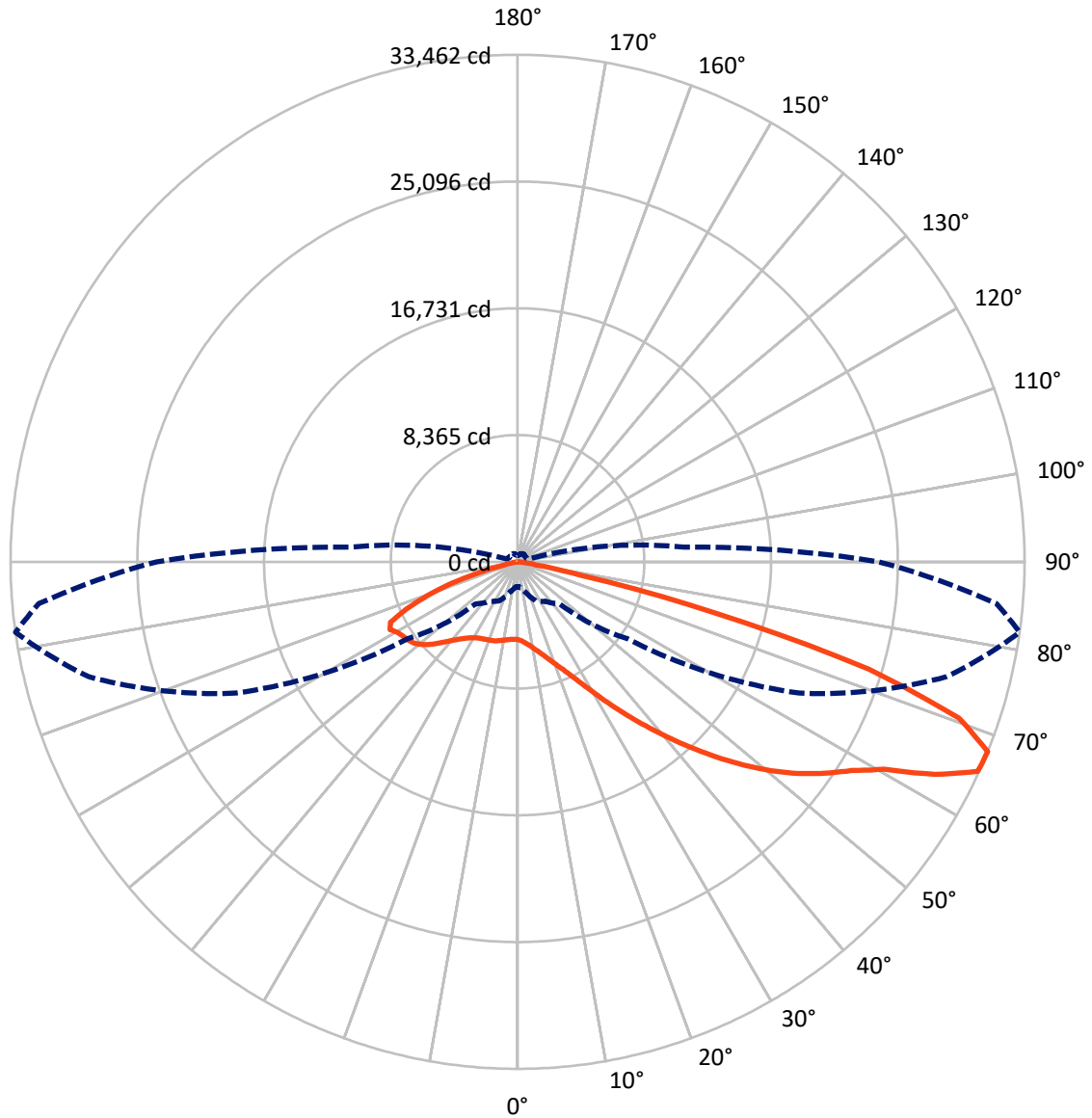
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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	5617.0	0.0	5617.0
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	25392.0	0.0	25392.0
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	31009.0	0.0	31009.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	457.7	1.5
10°-20°	1189.3	3.8
20°-30°	1904.9	6.1
30°-40°	3368.5	10.9
40°-50°	5901.9	19.0
50°-60°	7871.5	25.4
60°-70°	7328.0	23.6
70°-80°	2812.5	9.1
80°-90°	174.7	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°	31009.0	100.0
0°-180°	31009.0	100.0

**Coefficient of Utilization**

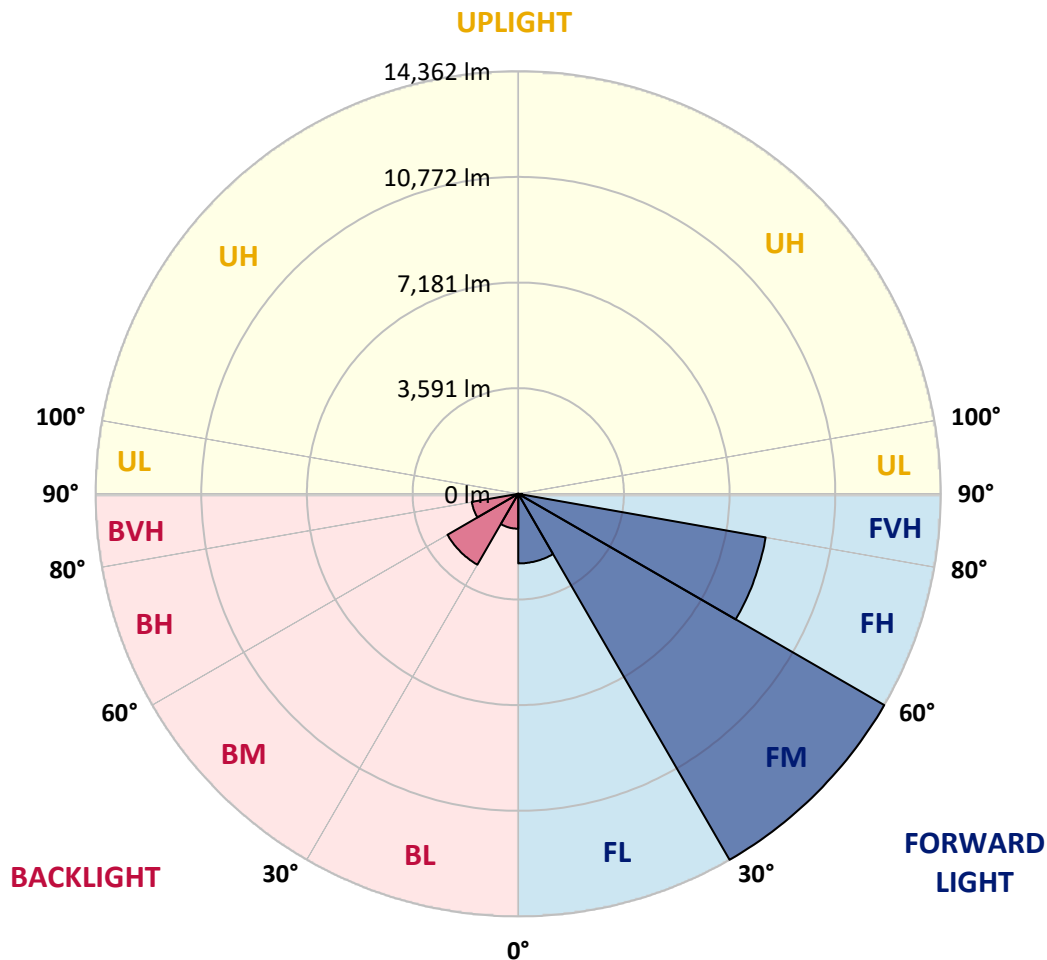


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2365.6	7.6			
FM (30°-60°)	14362.1	46.3			
FH (60°-80°)	8537.2	27.5			G4/12000
FVH (80°-90°)	127.0	0.4			G2/225
BL (0°-30°)	1186.3	3.8	B3/2500		
BM (30°-60°)	2779.8	9.0	B3/5000		
BH (60°-80°)	1603.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	47.7	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°	5137.1	5137.1	5137.1	5137.1	5137.1	5137.1	5137.1	5137.1	5137.1	5137.1
2.5°	5429.6	5460.9	5443.0	5434.1	5418.4	5396.1	5378.3	5322.4	5264.4	5226.4
5°	5539.0	5570.3	5568.0	5577.0	5588.1	5594.8	5590.4	5527.8	5445.2	5380.5
7.5°	5445.2	5481.0	5510.0	5554.6	5632.8	5715.4	5755.6	5742.2	5657.3	5568.0
10°	5179.6	5217.5	5286.7	5391.7	5556.9	5735.5	5885.1	5954.3	5900.7	5802.4
12.5°	4692.9	4730.8	4867.0	5094.7	5371.6	5681.9	5967.7	6153.0	6166.4	6068.1
15°	4145.9	4183.8	4329.0	4614.7	5036.7	5534.5	6012.3	6362.8	6481.1	6396.3
17.5°	3806.5	3840.0	3949.4	4179.4	4619.2	5239.8	5996.7	6586.1	6856.2	6789.2
20°	3703.8	3732.9	3784.2	3944.9	4311.1	4934.0	5894.0	6795.9	7260.3	7222.4
22.5°	3813.2	3840.0	3855.6	3927.1	4157.0	4733.0	5764.5	7010.3	7729.2	7733.6
25°	4065.5	4092.3	4074.4	4119.1	4219.6	4670.5	5715.4	7262.5	8318.6	8367.7
27.5°	4480.8	4483.0	4440.6	4438.3	4454.0	4764.3	5766.7	7532.7	9062.0	9153.5
30°	5313.5	5280.0	5117.0	4940.7	4860.3	5045.6	5909.6	7851.9	9939.4	10102.4
32.5°	6597.2	6548.1	6249.0	5827.0	5402.8	5498.8	6166.4	8215.9	10894.9	11189.6
35°	7990.4	7977.0	7664.4	7037.1	6295.8	6144.0	6583.8	8693.6	11937.5	12406.4
37.5°	9285.3	9278.6	9100.0	8361.0	7459.0	7043.8	7253.6	9318.7	13053.8	13732.5
40°	10468.5	10488.6	10310.0	9649.2	8740.5	8198.0	8164.5	10091.2	14295.1	15177.0
42.5°	11491.0	11513.4	11332.5	10843.6	10006.4	9475.0	9283.0	11037.8	15507.4	16728.6
45°	12185.4	12323.8	12297.0	11906.3	11305.7	10754.3	10627.0	12225.5	16889.4	18374.0
47.5°	12381.8	12509.1	12710.0	12763.6	12397.5	11854.9	12006.8	13656.6	18287.0	20021.7
50°	11897.4	12015.7	12433.2	12989.1	13243.6	13076.2	13348.5	15190.4	19718.1	21664.9
52.5°	10941.8	11062.4	11589.3	12468.9	13507.0	14033.9	14694.8	16701.9	21104.5	23221.0
55°	9559.9	9687.1	10363.6	11359.3	13004.7	14429.1	15817.8	18211.1	22374.8	24620.8
57.5°	7680.0	7773.8	8477.1	9870.2	11741.1	14036.2	16646.0	19858.7	23571.5	25996.0
60°	5005.4	5088.0	5905.1	7459.0	9646.9	12723.4	16811.2	21696.1	25161.1	27784.3
62.5°	3328.8	3384.6	3869.0	5009.9	6793.7	10202.8	15844.5	23162.9	27491.9	30896.5
65°	2283.9	2339.7	2824.2	3619.0	4389.2	6749.1	13065.0	22968.7	29603.9	33368.0
67.5°	1629.8	1676.7	2087.5	2837.6	3176.9	3920.4	8856.6	20486.1	29300.2	33461.7
70°	1167.6	1194.4	1533.8	2210.2	2525.0	2355.4	4925.0	15668.2	25654.5	30898.8
72.5°	817.1	826.1	1064.9	1683.4	2033.9	1719.1	2344.2	10446.2	19403.3	24252.4
75°	553.7	564.8	716.7	1234.6	1632.0	1312.8	1241.3	5601.5	11390.6	13424.4
77.5°	339.4	343.8	462.1	843.9	1221.2	1000.2	799.3	2373.2	4407.1	4326.7
80°	192.0	192.0	294.7	524.7	832.7	645.2	560.4	1009.1	1395.4	1225.7
82.5°	107.2	109.4	214.3	326.0	551.4	381.8	308.1	466.6	602.8	533.6
85°	44.7	49.1	131.7	154.0	263.4	189.8	125.0	196.5	223.3	198.7
87.5°	4.5	6.7	40.2	29.0	31.3	38.0	17.9	38.0	31.3	31.3
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°
5137.1	0°	5137.1	5137.1	5137.1	5137.1	5137.1	5137.1	5137.1	5137.1	5137.1	5137.1
5213.0	2.5°	5170.6	5137.1	5052.3	4954.1	4824.6	4762.1	4677.2	4619.2	4570.1	4574.5
5342.5	5°	5271.1	5186.3	4996.5	4759.8	4465.1	4255.3	4032.0	3878.0	3752.9	3726.2
5521.1	7.5°	5409.5	5275.6	4942.9	4516.5	4018.6	3641.3	3304.2	3087.6	2933.6	2884.5
5737.7	10°	5588.1	5393.9	4873.7	4210.6	3494.0	3014.0	2652.3	2482.6	2377.7	2342.0
5992.2	12.5°	5795.7	5530.1	4782.2	3837.8	2953.7	2491.5	2261.6	2176.8	2143.3	2132.1
6304.8	15°	6057.0	5699.7	4643.7	3395.7	2496.0	2172.3	2074.1	2062.9	2067.4	2062.9
6679.8	17.5°	6367.3	5885.1	4418.3	2940.3	2187.9	2009.3	1973.6	1982.5	1993.7	1991.5
7099.6	20°	6706.6	6068.1	4130.3	2536.2	1978.1	1893.2	1873.1	1882.1	1891.0	1886.5
7584.0	22.5°	7092.9	6264.6	3811.0	2221.4	1837.4	1786.1	1763.7	1766.0	1766.0	1757.0
8198.0	25°	7555.0	6481.1	3476.1	1998.1	1730.2	1690.1	1663.3	1654.3	1640.9	1614.1
8943.7	27.5°	8106.5	6711.1	3154.6	1841.9	1645.4	1607.4	1576.2	1553.9	1520.4	1475.7
9838.9	30°	8727.1	6990.2	2882.2	1743.6	1578.4	1540.5	1504.8	1471.3	1422.1	1366.3
10868.1	32.5°	9457.2	7289.3	2683.5	1678.9	1518.1	1478.0	1435.5	1395.4	1341.8	1286.0
12024.6	35°	10327.9	7651.0	2567.5	1634.2	1471.3	1417.7	1370.8	1326.1	1286.0	1236.8
13281.6	37.5°	11272.2	8035.0	2531.7	1611.9	1440.0	1357.4	1303.8	1272.6	1268.1	1239.1
14641.2	40°	12305.9	8490.5	2558.5	1598.5	1406.5	1299.4	1241.3	1234.6	1245.8	1194.4
16094.6	42.5°	13399.9	9030.7	2603.2	1582.9	1359.6	1241.3	1185.5	1185.5	1176.6	1105.1
17630.6	45°	14583.1	9653.6	2647.8	1544.9	1303.8	1183.3	1140.8	1125.2	1087.3	1018.1
19175.5	47.5°	15775.3	10287.7	2681.3	1475.7	1236.8	1134.1	1096.2	1060.5	1004.7	942.1
20691.5	50°	16907.2	10857.0	2645.6	1373.0	1160.9	1087.3	1047.1	998.0	937.7	895.3
22127.0	52.5°	17918.6	11350.4	2493.8	1252.5	1080.6	1038.1	1002.4	951.1	902.0	857.3
23421.9	55°	18798.2	11750.0	2225.9	1138.6	1009.1	995.7	960.0	895.3	828.3	790.3
24705.6	57.5°	19642.1	12053.6	1891.0	1044.8	944.4	948.8	895.3	837.2	774.7	734.5
26435.9	60°	20765.1	12460.0	1551.6	957.8	875.2	888.6	830.5	788.1	710.0	658.6
29402.9	62.5°	22560.1	13091.8	1232.4	850.6	794.8	799.3	774.7	723.4	629.6	569.3
31602.0	65°	23984.5	12859.6	971.2	734.5	703.3	710.0	710.0	654.1	553.7	484.5
31720.3	67.5°	23823.7	11011.0	774.7	620.7	616.2	620.7	636.3	589.4	491.2	435.4
29304.7	70°	21946.2	8758.4	620.7	515.7	535.8	524.7	569.3	538.0	442.0	386.2
22718.6	72.5°	17907.4	6309.2	473.3	426.4	410.8	428.7	513.5	484.5	368.4	305.9
12033.5	75°	10464.1	3366.7	352.7	337.1	296.9	357.2	455.4	413.0	281.3	225.5
3688.2	77.5°	3406.9	1174.3	259.0	247.8	221.0	288.0	388.5	348.3	230.0	178.6
1080.6	80°	913.1	355.0	176.4	163.0	142.9	214.3	308.1	276.8	165.2	116.1
464.4	82.5°	366.1	149.6	102.7	91.5	78.1	147.3	243.4	223.3	122.8	73.7
145.1	85°	118.3	49.1	38.0	29.0	35.7	91.5	145.1	151.8	87.1	38.0
22.3	87.5°	15.6	6.7	6.7	8.9	6.7	15.6	44.7	42.4	24.6	4.5
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°
5137.1
4529.9
3665.9
2835.4
2315.2
2125.4
2060.7
1987.0
1884.3
1752.6
1609.7
1471.3
1361.9
1288.2
1232.4
1236.8
1196.7
1105.1
1015.8
939.9
888.6
852.8
785.9
730.1
651.9
564.8
477.8
426.4
379.5
299.2
218.8
171.9
113.9
73.7
29.0
0.0
0.0

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