

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: P851755

Luminaire Tested: **GLAN-SB9D-850-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851755  
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-850-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

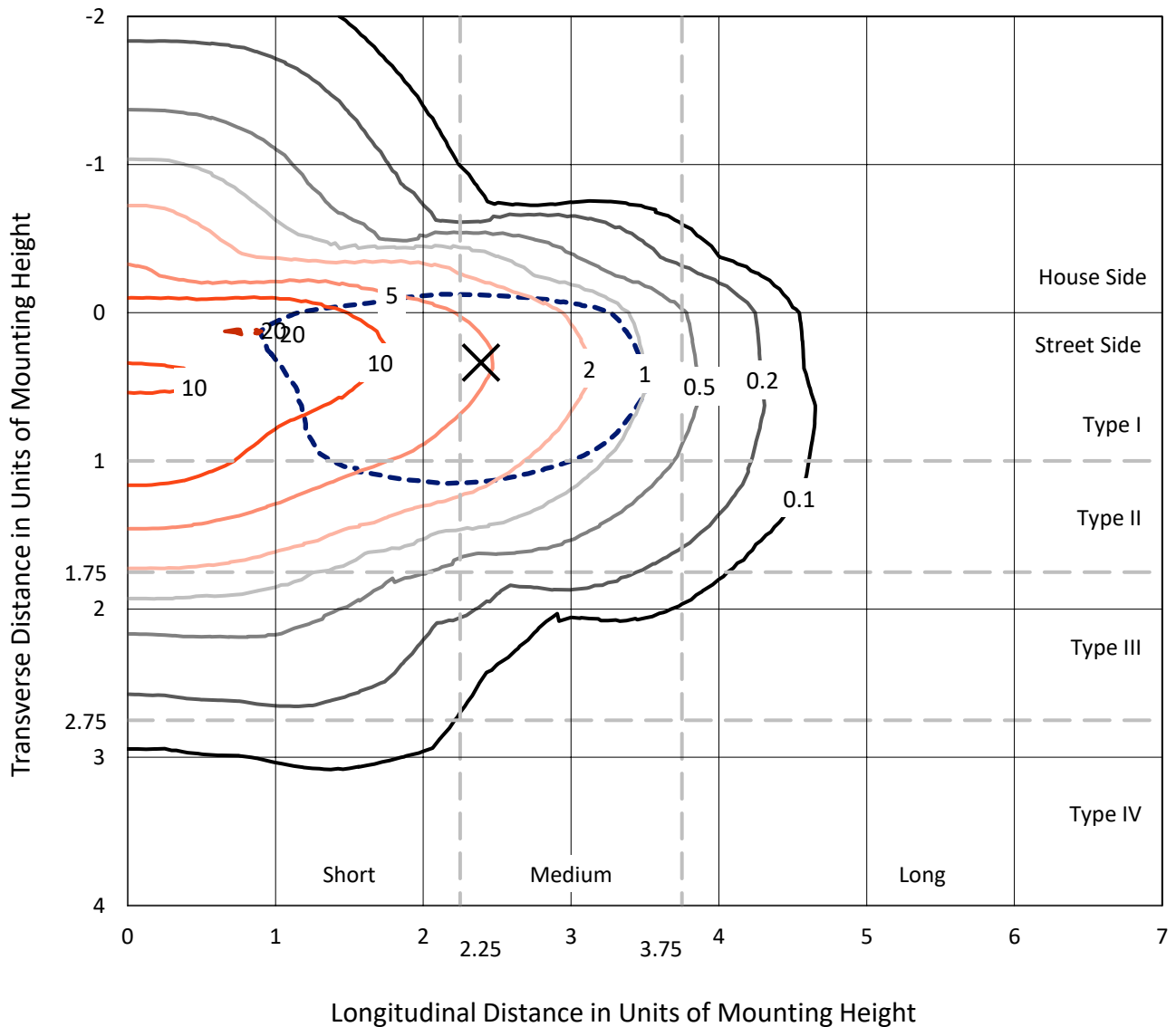
Lumens per Lamp: N/A  
Luminaire Lumens: 58115 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

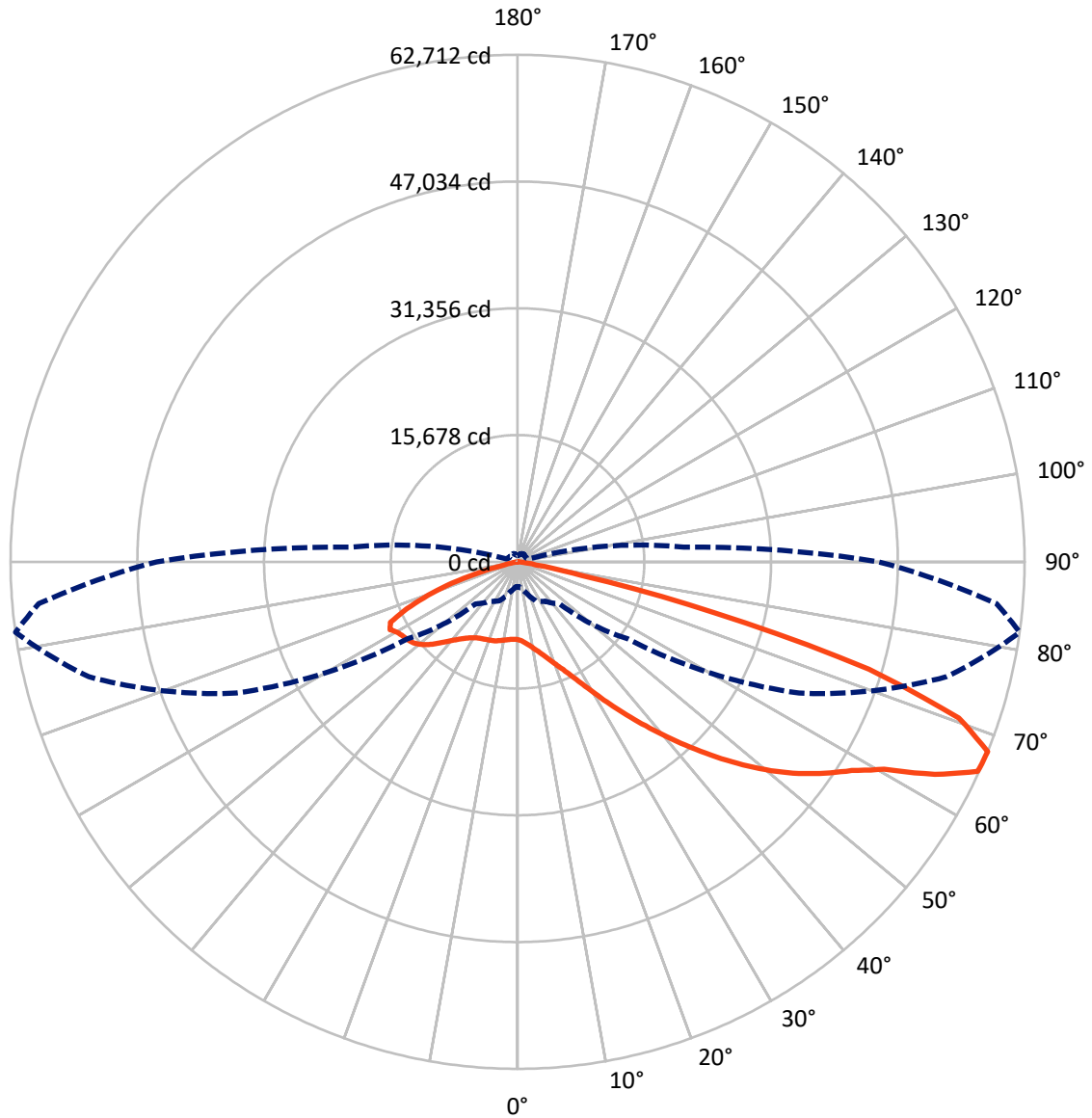
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.4 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	10527.0	0.0	10527.0
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	47588.0	0.0	47588.0
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	58115.0	0.0	58115.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	857.8	1.5
10°-20°	2229.0	3.8
20°-30°	3570.1	6.1
30°-40°	6313.0	10.9
40°-50°	11061.0	19.0
50°-60°	14752.3	25.4
60°-70°	13733.6	23.6
70°-80°	5271.0	9.1
80°-90°	327.4	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°	58115.0	100.0
0°-180°	58115.0	100.0

**Coefficient of Utilization**

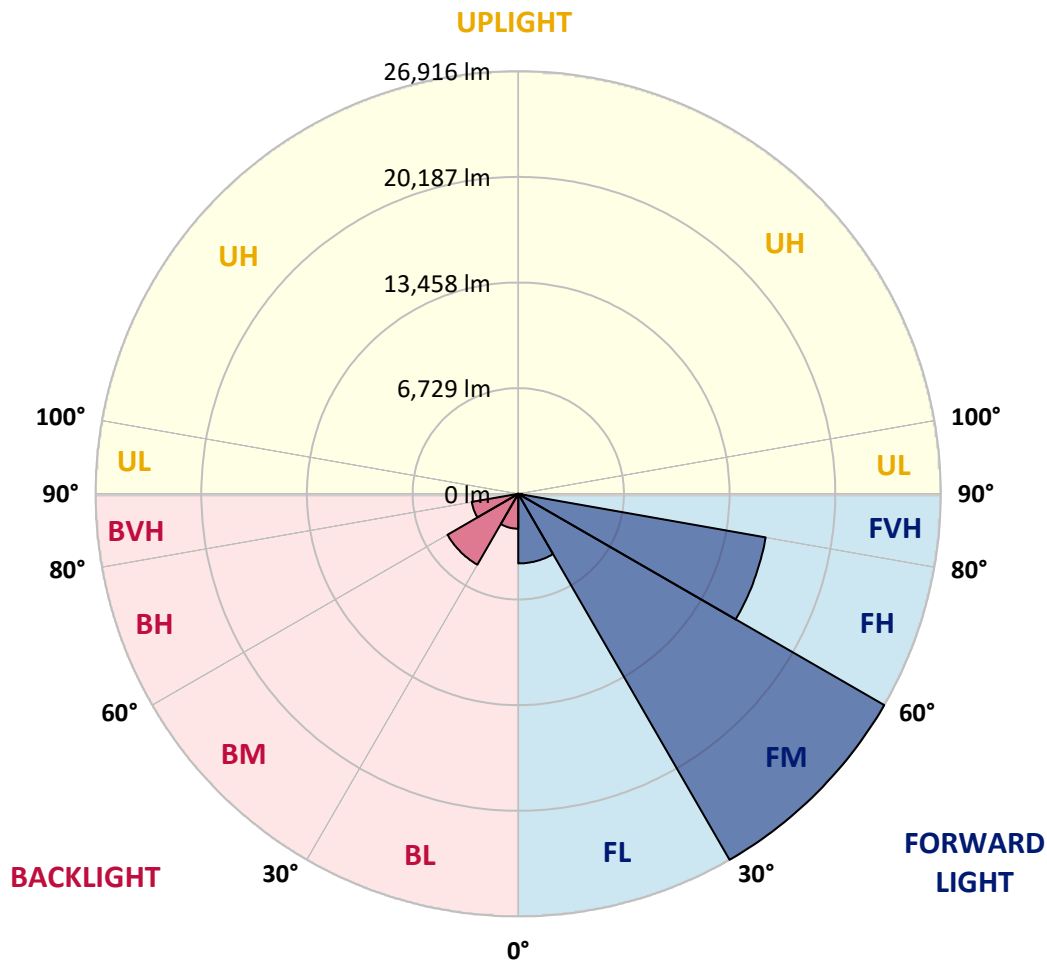


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4433.5	7.6			
FM (30°-60°)	26916.5	46.3			
FH (60°-80°)	15999.9	27.5			G5
FVH (80°-90°)	238.0	0.4			G3/500
BL (0°-30°)	2223.3	3.8	B3/2500		
BM (30°-60°)	5209.8	9.0	B4/8500		
BH (60°-80°)	3004.6	5.2	B4/5000		G4/5000
BVH (80°-90°)	89.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	9627.7	9627.7	9627.7	9627.7	9627.7	9627.7	9627.7	9627.7	9627.7	9627.7
2.5°	10175.8	10234.4	10200.9	10184.2	10154.9	10113.0	10079.6	9975.0	9866.2	9795.1
5°	10380.8	10439.4	10435.2	10452.0	10472.9	10485.4	10477.1	10359.9	10205.1	10083.8
7.5°	10205.1	10272.0	10326.4	10410.1	10556.6	10711.4	10786.7	10761.6	10602.6	10435.2
10°	9707.2	9778.3	9908.0	10104.7	10414.3	10749.0	11029.4	11159.1	11058.7	10874.6
12.5°	8795.0	8866.2	9121.4	9548.2	10067.0	10648.6	11184.2	11531.5	11556.6	11372.5
15°	7769.9	7841.1	8113.0	8648.6	9439.4	10372.5	11267.9	11924.8	12146.5	11987.5
17.5°	7133.9	7196.7	7401.7	7832.7	8657.0	9820.2	11238.6	12343.2	12849.5	12723.9
20°	6941.5	6995.9	7092.1	7393.4	8079.6	9246.9	11046.1	12736.5	13606.8	13535.7
22.5°	7146.5	7196.7	7226.0	7359.9	7790.9	8870.4	10803.4	13138.2	14485.5	14493.8
25°	7619.3	7669.5	7636.0	7719.7	7908.0	8753.2	10711.4	13611.0	15590.1	15682.1
27.5°	8397.6	8401.7	8322.2	8318.1	8347.3	8928.9	10807.6	14117.3	16983.4	17154.9
30°	9958.2	9895.5	9590.0	9259.5	9108.9	9456.1	11075.4	14715.6	18627.8	18933.2
32.5°	12364.1	12272.1	11711.4	10920.6	10125.6	10305.5	11556.6	15397.6	20418.6	20970.9
35°	14975.0	14949.9	14364.1	13188.4	11799.3	11514.7	12339.0	16293.0	22372.6	23251.2
37.5°	17401.8	17389.3	17054.5	15669.6	13979.2	13200.9	13594.2	17464.6	24464.6	25736.6
40°	19619.4	19657.1	19322.3	18083.8	16380.9	15364.1	15301.4	18912.3	26791.0	28443.7
42.5°	21535.7	21577.6	21238.7	20322.3	18753.3	17757.5	17397.6	20686.4	29063.0	31351.7
45°	22837.0	23096.4	23046.2	22314.0	21188.4	20155.0	19916.5	22912.3	31653.0	34435.4
47.5°	23205.2	23443.7	23820.3	23920.7	23234.5	22217.7	22502.3	25594.3	34272.2	37523.3
50°	22297.2	22519.0	23301.4	24343.3	24820.3	24506.5	25016.9	28468.8	36954.3	40602.8
52.5°	20506.4	20732.4	21719.8	23368.4	25314.0	26301.5	27540.0	31301.5	39552.6	43519.2
55°	17916.5	18155.0	19422.7	21288.9	24372.6	27042.0	29644.6	34130.0	41933.4	46142.6
57.5°	14393.4	14569.1	15887.2	18498.0	22004.4	26305.6	31196.9	37217.9	44176.1	48720.0
60°	9380.8	9535.6	11067.0	13979.2	18079.6	23845.4	31506.5	40661.4	47155.2	52071.5
62.5°	6238.5	6343.1	7251.1	9389.2	12732.3	19121.5	29694.8	43410.4	51523.4	57904.2
65°	4280.4	4385.0	5292.9	6782.5	8226.0	12648.6	24485.5	43046.4	55481.6	62536.0
67.5°	3054.4	3142.3	3912.2	5318.0	5954.0	7347.3	16598.5	38393.6	54912.6	62711.8
70°	2188.3	2238.5	2874.5	4142.3	4732.3	4414.3	9230.2	29364.2	48079.9	57908.4
72.5°	1531.4	1548.1	1995.8	3154.8	3811.7	3221.8	4393.3	19577.6	36364.3	45452.2
75°	1037.7	1058.6	1343.1	2313.8	3058.6	2460.3	2326.4	10498.0	21347.4	25159.2
77.5°	636.0	644.4	866.1	1581.6	2288.7	1874.5	1497.9	4447.7	8259.5	8108.8
80°	359.8	359.8	552.3	983.3	1560.7	1209.2	1050.2	1891.2	2615.1	2297.1
82.5°	200.8	205.0	401.7	610.9	1033.5	715.5	577.4	874.5	1129.7	1000.0
85°	83.7	92.1	246.9	288.7	493.7	355.7	234.3	368.2	418.4	372.4
87.5°	8.4	12.6	75.3	54.4	58.6	71.1	33.5	71.1	58.6	58.6
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°
9627.7	0°	9627.7	9627.7	9627.7	9627.7	9627.7	9627.7	9627.7	9627.7	9627.7	9627.7
9769.9	2.5°	9690.5	9627.7	9468.7	9284.6	9041.9	8924.8	8765.8	8657.0	8564.9	8573.3
10012.6	5°	9878.7	9719.7	9364.1	8920.6	8368.3	7975.0	7556.5	7267.8	7033.5	6983.3
10347.4	7.5°	10138.2	9887.1	9263.7	8464.5	7531.4	6824.3	6192.5	5786.7	5498.0	5405.9
10753.2	10°	10472.9	10108.9	9134.0	7891.3	6548.2	5648.6	4970.7	4652.8	4456.1	4389.2
11230.2	12.5°	10862.0	10364.1	8962.4	7192.5	5535.6	4669.5	4238.5	4079.5	4016.8	3995.8
11816.0	15°	11351.6	10682.1	8703.0	6364.1	4677.9	4071.2	3887.1	3866.1	3874.5	3866.1
12518.9	17.5°	11933.1	11029.4	8280.4	5510.5	4100.4	3765.7	3698.8	3715.5	3736.4	3732.2
13305.5	20°	12569.1	11372.5	7740.6	4753.2	3707.1	3548.1	3510.5	3527.2	3544.0	3535.6
14213.5	22.5°	13293.0	11740.7	7142.3	4163.2	3443.5	3347.3	3305.5	3309.6	3309.6	3292.9
15364.1	25°	14159.1	12146.5	6514.7	3744.8	3242.7	3167.4	3117.2	3100.4	3075.3	3025.1
16761.6	27.5°	15192.6	12577.5	5912.2	3451.9	3083.7	3012.6	2954.0	2912.2	2849.4	2765.7
18439.5	30°	16355.8	13100.5	5401.7	3267.8	2958.2	2887.1	2820.1	2757.3	2665.3	2560.7
20368.4	32.5°	17724.0	13661.2	5029.3	3146.5	2845.2	2769.9	2690.4	2615.1	2514.7	2410.1
22535.7	35°	19355.8	14339.0	4811.8	3062.8	2757.3	2656.9	2569.1	2485.4	2410.1	2318.0
24891.4	37.5°	21125.7	15058.7	4744.8	3020.9	2698.8	2544.0	2443.5	2385.0	2376.6	2322.2
27439.5	40°	23062.9	15912.3	4795.0	2995.8	2636.0	2435.2	2326.4	2313.8	2334.7	2238.5
30163.4	42.5°	25113.2	16924.8	4878.7	2966.5	2548.1	2326.4	2221.8	2221.8	2205.0	2071.1
33042.1	45°	27330.8	18092.2	4962.4	2895.4	2443.5	2217.6	2138.1	2108.8	2037.7	1908.0
35937.5	47.5°	29565.1	19280.5	5025.1	2765.7	2318.0	2125.5	2054.4	1987.5	1882.9	1765.7
38778.5	50°	31686.4	20347.4	4958.2	2573.2	2175.7	2037.7	1962.4	1870.3	1757.3	1677.8
41468.9	52.5°	33581.8	21272.1	4673.7	2347.3	2025.1	1945.6	1878.7	1782.4	1690.4	1606.7
43895.7	55°	35230.4	22021.1	4171.6	2133.9	1891.2	1866.1	1799.2	1677.8	1552.3	1481.2
46301.6	57.5°	36812.0	22590.1	3544.0	1958.2	1769.9	1778.3	1677.8	1569.0	1451.9	1376.6
49544.3	60°	38916.6	23351.6	2908.0	1795.0	1640.2	1665.3	1556.5	1477.0	1330.6	1234.3
55105.0	62.5°	42280.7	24535.8	2309.6	1594.2	1489.6	1497.9	1451.9	1355.7	1179.9	1067.0
59226.4	65°	44950.1	24100.6	1820.1	1376.6	1318.0	1330.6	1330.6	1226.0	1037.7	908.0
59448.2	67.5°	44648.9	20636.1	1451.9	1163.2	1154.8	1163.2	1192.5	1104.6	920.5	815.9
54920.9	70°	41130.0	16414.4	1163.2	966.5	1004.2	983.3	1067.0	1008.4	828.5	723.9
42577.7	72.5°	33560.9	11824.4	887.0	799.2	769.9	803.4	962.4	908.0	690.4	573.2
22552.5	75°	19611.0	6309.7	661.1	631.8	556.5	669.5	853.6	774.1	527.2	422.6
6912.2	77.5°	6385.0	2200.9	485.4	464.4	414.2	539.8	728.0	652.7	431.0	334.7
2025.1	80°	1711.3	665.3	330.5	305.4	267.8	401.7	577.4	518.8	309.6	217.6
870.3	82.5°	686.2	280.3	192.5	171.5	146.4	276.2	456.1	418.4	230.1	138.1
272.0	85°	221.8	92.1	71.1	54.4	66.9	171.5	272.0	284.5	163.2	71.1
41.8	87.5°	29.3	12.6	12.6	16.7	12.6	29.3	83.7	79.5	46.0	8.4
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°
9627.7
8489.6
6870.3
5313.8
4338.9
3983.3
3862.0
3723.9
3531.4
3284.5
3016.8
2757.3
2552.3
2414.2
2309.6
2318.0
2242.7
2071.1
1903.8
1761.5
1665.3
1598.3
1472.8
1368.2
1221.8
1058.6
895.4
799.2
711.3
560.7
410.0
322.2
213.4
138.1
54.4
0.0
0.0

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