

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: P851425

Luminaire Tested: **GLAN-SB9B-927-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851425  
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-SB9B-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 450mA 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: 24119 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

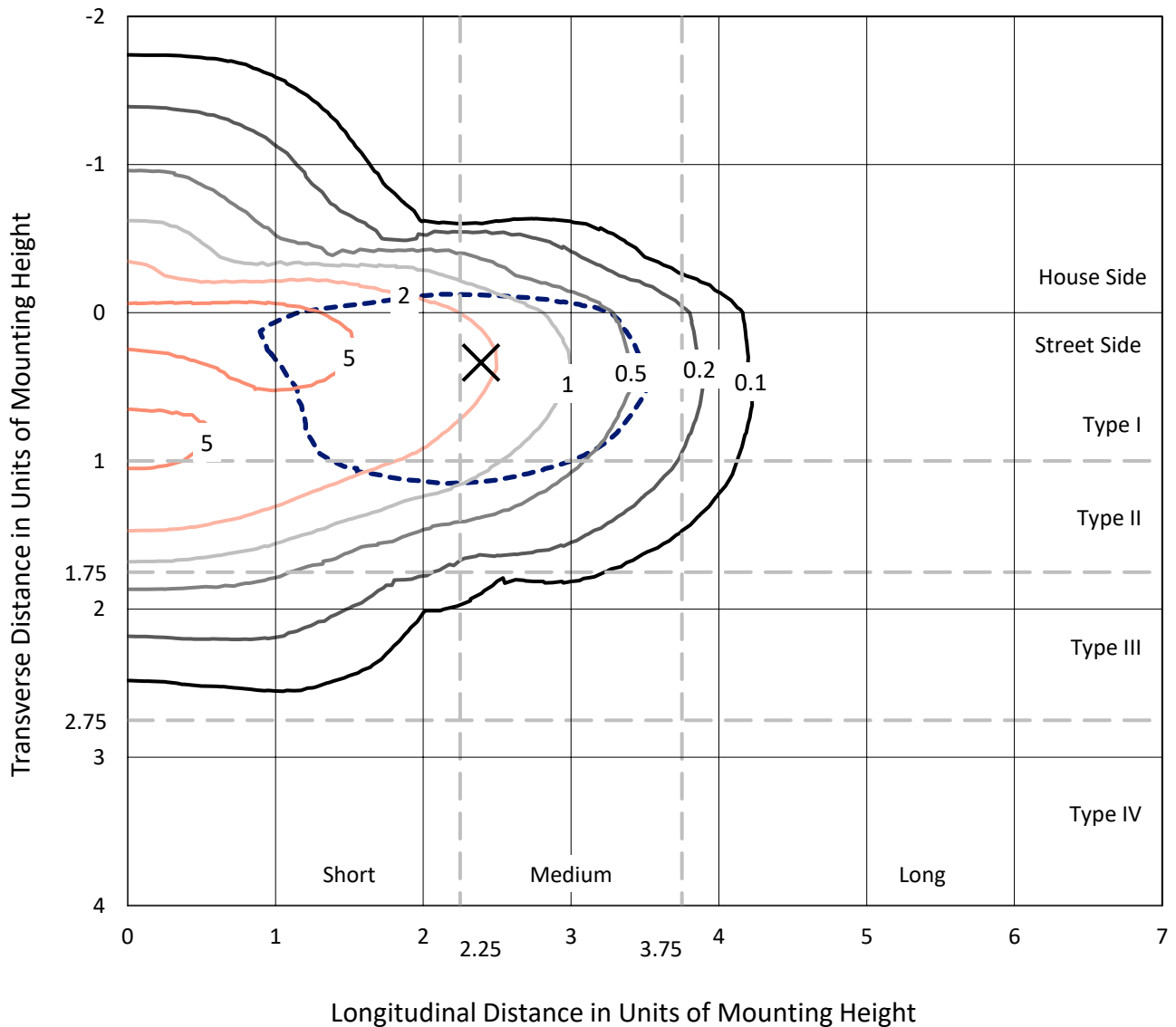
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

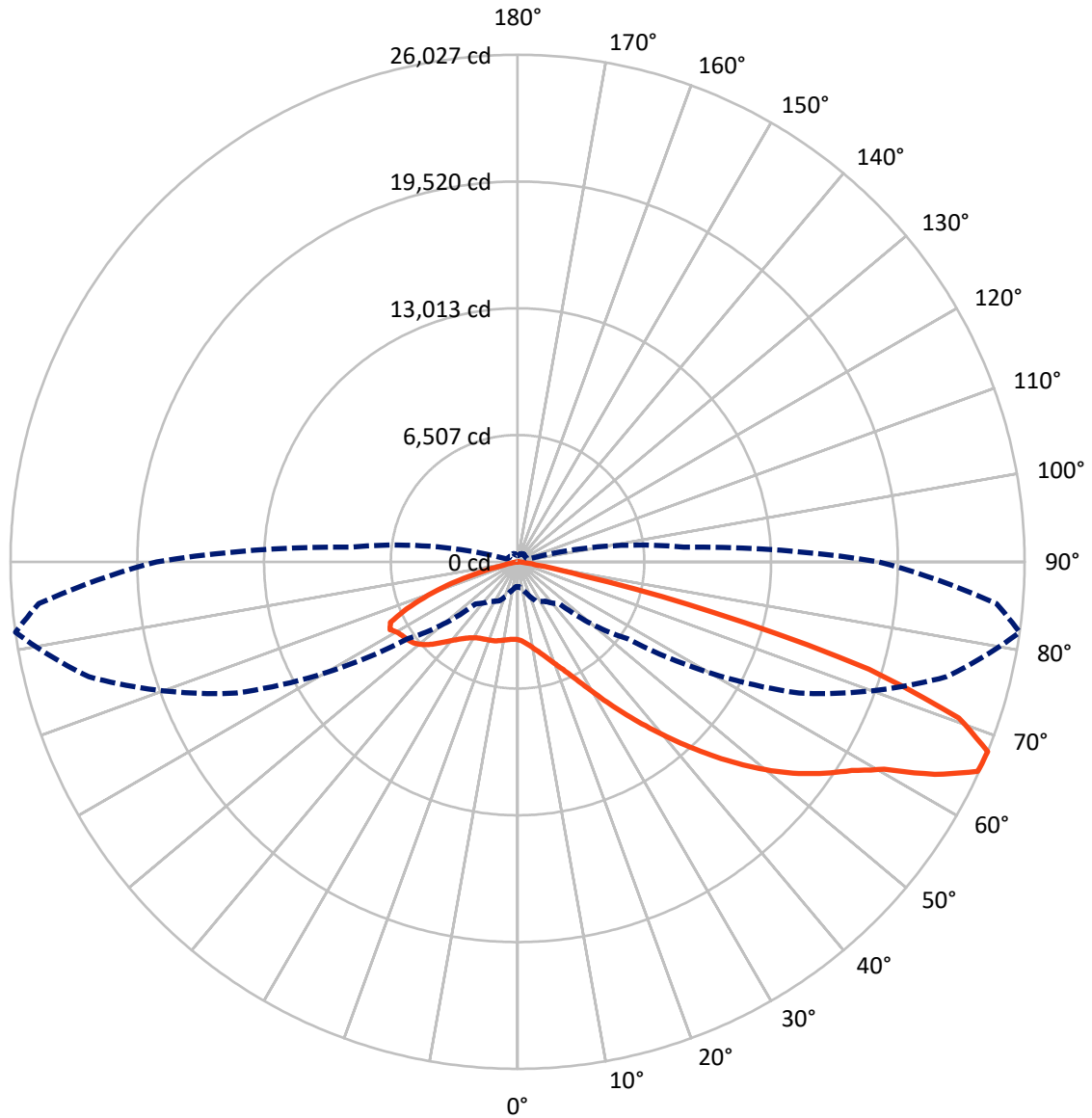
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	4368.9	0.0	4368.9
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	19750.1	0.0	19750.1
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	24119.0	0.0	24119.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	356.0	1.5
10°-20°	925.1	3.8
20°-30°	1481.7	6.1
30°-40°	2620.0	10.9
40°-50°	4590.6	19.0
50°-60°	6122.5	25.4
60°-70°	5699.7	23.6
70°-80°	2187.6	9.1
80°-90°	135.9	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°	24119.0	100.0
0°-180°	24119.0	100.0

**Coefficient of Utilization**



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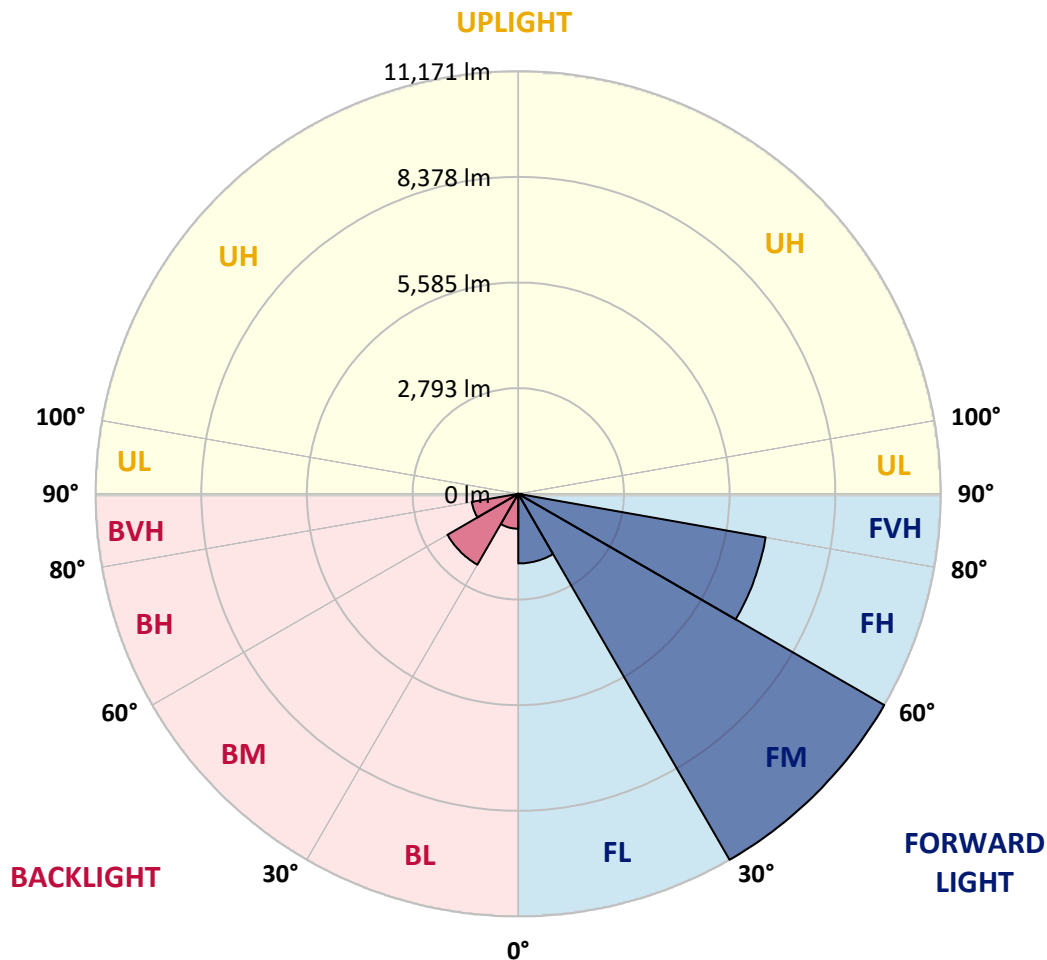
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1840.0	7.6			
FM (30°-60°)	11170.9	46.3			
FH (60°-80°)	6640.3	27.5			G3/7500
FVH (80°-90°)	98.8	0.4			G1/100
BL (0°-30°)	922.7	3.8	B2/1000		
BM (30°-60°)	2162.2	9.0	B2/2500		
BH (60°-80°)	1247.0	5.2	B3/2500		G3/2500
BVH (80°-90°)	37.1	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-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3995.7	3995.7	3995.7	3995.7	3995.7	3995.7	3995.7	3995.7	3995.7	3995.7
2.5°	4223.2	4247.5	4233.6	4226.7	4214.5	4197.1	4183.2	4139.8	4094.7	4065.2
5°	4308.3	4332.6	4330.8	4337.8	4346.5	4351.7	4348.2	4299.6	4235.3	4185.0
7.5°	4235.3	4263.1	4285.7	4320.4	4381.2	4445.5	4476.7	4466.3	4400.3	4330.8
10°	4028.7	4058.2	4112.0	4193.7	4322.2	4461.1	4577.4	4631.3	4589.6	4513.2
12.5°	3650.1	3679.7	3785.6	3962.7	4178.0	4419.4	4641.7	4785.8	4796.2	4719.8
15°	3224.7	3254.2	3367.1	3589.4	3917.6	4304.8	4676.4	4949.0	5041.1	4975.1
17.5°	2960.7	2986.8	3071.9	3250.7	3592.8	4075.6	4664.3	5122.7	5332.8	5280.7
20°	2880.9	2903.4	2943.4	3068.4	3353.2	3837.7	4584.4	5285.9	5647.1	5617.6
22.5°	2966.0	2986.8	2998.9	3054.5	3233.4	3681.4	4483.7	5452.6	6011.8	6015.3
25°	3162.2	3183.0	3169.1	3203.9	3282.0	3632.8	4445.5	5648.9	6470.2	6508.4
27.5°	3485.2	3486.9	3453.9	3452.2	3464.3	3705.7	4485.4	5859.0	7048.5	7119.7
30°	4132.9	4106.8	3980.1	3842.9	3780.4	3924.5	4596.5	6107.3	7730.9	7857.7
32.5°	5131.4	5093.2	4860.5	4532.3	4202.3	4277.0	4796.2	6390.3	8474.2	8703.4
35°	6215.0	6204.5	5961.4	5473.5	4896.9	4778.9	5121.0	6762.0	9285.1	9649.8
37.5°	7222.1	7216.9	7078.0	6503.2	5801.7	5478.7	5641.9	7248.2	10153.4	10681.3
40°	8142.5	8158.1	8019.2	7505.2	6798.4	6376.5	6350.4	7849.0	11118.9	11804.8
42.5°	8937.8	8955.2	8814.5	8434.2	7783.0	7369.7	7220.4	8585.3	12061.8	13011.6
45°	9477.9	9585.5	9564.7	9260.8	8793.7	8364.8	8265.8	9509.1	13136.7	14291.5
47.5°	9630.7	9729.6	9885.9	9927.6	9642.8	9220.9	9338.9	10622.2	14223.7	15573.0
50°	9253.8	9345.9	9670.6	10103.0	10301.0	10170.7	10382.6	11815.2	15336.8	16851.1
52.5°	8510.6	8604.4	9014.2	9698.4	10505.9	10915.7	11429.7	12990.8	16415.2	18061.4
55°	7435.7	7534.7	8060.9	8835.3	10115.2	11223.0	12303.2	14164.7	17403.3	19150.2
57.5°	5973.6	6046.5	6593.5	7677.1	9132.3	10917.4	12947.4	15446.2	18334.0	20219.9
60°	3893.2	3957.5	4593.1	5801.7	7503.4	9896.4	13075.9	16875.4	19570.4	21610.8
62.5°	2589.1	2632.5	3009.4	3896.7	5284.2	7935.8	12324.0	18016.3	21383.3	24031.5
65°	1776.4	1819.9	2196.7	2814.9	3414.0	5249.5	10162.0	17865.2	23026.1	25953.8
67.5°	1267.6	1304.1	1623.6	2207.1	2471.0	3049.3	6888.7	15934.2	22789.9	26026.8
70°	908.2	929.0	1193.0	1719.1	1964.0	1832.0	3830.7	12186.8	19954.2	24033.3
72.5°	635.6	642.5	828.3	1309.3	1582.0	1337.1	1823.3	8125.1	15092.0	18863.7
75°	430.7	439.3	557.4	960.3	1269.4	1021.1	965.5	4356.9	8859.7	10441.6
77.5°	263.9	267.4	359.5	656.4	949.9	778.0	621.7	1845.9	3427.9	3365.4
80°	149.3	149.3	229.2	408.1	647.7	501.9	435.9	784.9	1085.3	953.3
82.5°	83.4	85.1	166.7	253.5	428.9	296.9	239.6	362.9	468.9	415.0
85°	34.7	38.2	102.5	119.8	204.9	147.6	97.2	152.8	173.7	154.5
87.5°	3.5	5.2	31.3	22.6	24.3	29.5	13.9	29.5	24.3	24.3
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°
3995.7	0°	3995.7	3995.7	3995.7	3995.7	3995.7	3995.7	3995.7	3995.7	3995.7	3995.7
4054.7	2.5°	4021.7	3995.7	3929.7	3853.3	3752.6	3704.0	3638.0	3592.8	3554.6	3558.1
4155.5	5°	4099.9	4033.9	3886.3	3702.2	3473.0	3309.8	3136.1	3016.3	2919.1	2898.2
4294.4	7.5°	4207.6	4103.4	3844.6	3513.0	3125.7	2832.2	2570.0	2401.6	2281.8	2243.6
4462.8	10°	4346.5	4195.4	3790.8	3275.1	2717.6	2344.3	2063.0	1931.0	1849.4	1821.6
4660.8	12.5°	4508.0	4301.3	3719.6	2985.1	2297.4	1937.9	1759.1	1693.1	1667.0	1658.4
4903.9	15°	4711.1	4433.3	3611.9	2641.2	1941.4	1689.6	1613.2	1604.5	1608.0	1604.5
5195.6	17.5°	4952.5	4577.4	3436.5	2287.0	1701.8	1562.9	1535.1	1542.0	1550.7	1549.0
5522.1	20°	5216.5	4719.8	3212.5	1972.7	1538.5	1472.6	1456.9	1463.9	1470.8	1467.3
5898.9	22.5°	5516.9	4872.6	2964.2	1727.8	1429.1	1389.2	1371.8	1373.6	1373.6	1366.6
6376.5	25°	5876.3	5041.1	2703.7	1554.2	1345.8	1314.5	1293.7	1286.8	1276.3	1255.5
6956.4	27.5°	6305.3	5219.9	2453.7	1432.6	1279.8	1250.3	1226.0	1208.6	1182.6	1147.8
7652.8	30°	6788.0	5437.0	2241.8	1356.2	1227.7	1198.2	1170.4	1144.4	1106.2	1062.7
8453.3	32.5°	7355.8	5669.7	2087.3	1305.9	1180.8	1149.6	1116.6	1085.3	1043.6	1000.2
9352.8	35°	8033.1	5951.0	1997.0	1271.1	1144.4	1102.7	1066.2	1031.5	1000.2	962.0
10330.5	37.5°	8767.6	6249.7	1969.2	1253.8	1120.0	1055.8	1014.1	989.8	986.3	963.8
11388.0	40°	9571.6	6603.9	1990.0	1243.3	1094.0	1010.6	965.5	960.3	969.0	929.0
12518.5	42.5°	10422.5	7024.2	2024.8	1231.2	1057.5	965.5	922.1	922.1	915.1	859.6
13713.2	45°	11342.9	7508.7	2059.5	1201.7	1014.1	920.3	887.4	875.2	845.7	791.8
14914.9	47.5°	12270.2	8001.8	2085.5	1147.8	962.0	882.1	852.6	824.8	781.4	732.8
16093.9	50°	13150.6	8444.6	2057.8	1068.0	903.0	845.7	814.4	776.2	729.3	696.3
17210.5	52.5°	13937.2	8828.4	1939.7	974.2	840.5	807.5	779.7	739.8	701.5	666.8
18217.7	55°	14621.4	9139.2	1731.3	885.6	784.9	774.5	746.7	696.3	644.2	614.7
19216.2	57.5°	15277.8	9375.4	1470.8	812.7	734.5	738.0	696.3	651.2	602.6	571.3
20562.0	60°	16151.2	9691.4	1206.9	745.0	680.7	691.1	646.0	613.0	552.2	512.3
22869.8	62.5°	17547.4	10182.9	958.6	661.6	618.2	621.7	602.6	562.6	489.7	442.8
24580.3	65°	18655.3	10002.3	755.4	571.3	547.0	552.2	552.2	508.8	430.7	376.8
24672.3	67.5°	18530.3	8564.5	602.6	482.7	479.3	482.7	494.9	458.4	382.0	338.6
22793.4	70°	17069.9	6812.3	482.7	401.1	416.8	408.1	442.8	418.5	343.8	300.4
17670.7	72.5°	13928.5	4907.4	368.1	331.7	319.5	333.4	399.4	376.8	286.5	237.9
9359.8	75°	8139.0	2618.7	274.4	262.2	231.0	277.8	354.2	321.3	218.8	175.4
2868.7	77.5°	2649.9	913.4	201.4	192.8	171.9	224.0	302.2	270.9	178.9	138.9
840.5	80°	710.2	276.1	137.2	126.8	111.1	166.7	239.6	215.3	128.5	90.3
361.2	82.5°	284.8	116.3	79.9	71.2	60.8	114.6	189.3	173.7	95.5	57.3
112.9	85°	92.0	38.2	29.5	22.6	27.8	71.2	112.9	118.1	67.7	29.5
17.4	87.5°	12.2	5.2	5.2	6.9	5.2	12.2	34.7	33.0	19.1	3.5
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



<u>180°</u>
3995.7
3523.4
2851.3
2205.4
1800.8
1653.2
1602.8
1545.5
1465.6
1363.2
1252.0
1144.4
1059.3
1002.0
958.6
962.0
930.8
859.6
790.1
731.1
691.1
663.3
611.3
567.8
507.1
439.3
371.6
331.7
295.2
232.7
170.2
133.7
88.6
57.3
22.6
0.0
0.0

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