

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: P851768

Luminaire Tested: **GLAN-SB9D-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59729 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

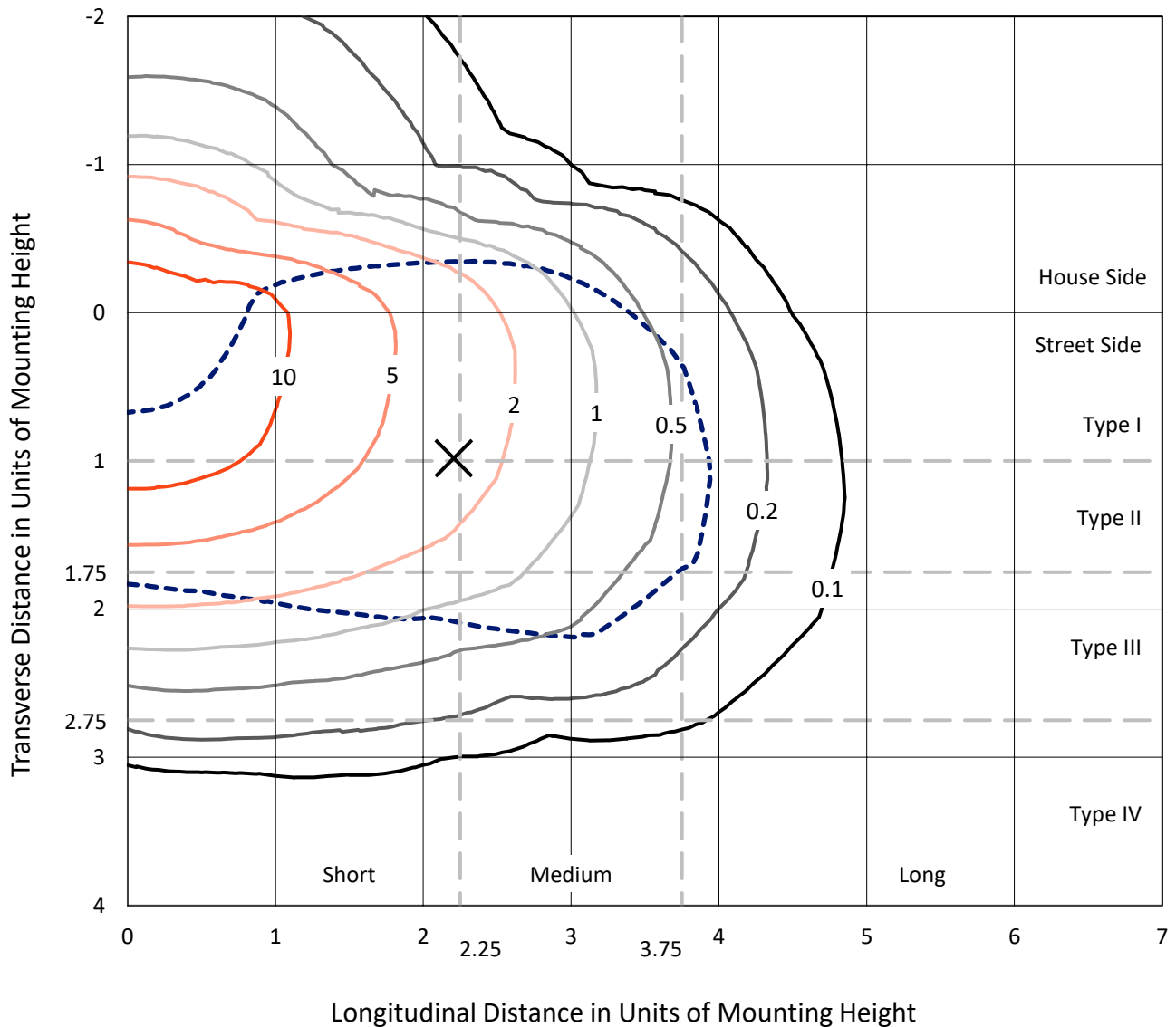
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

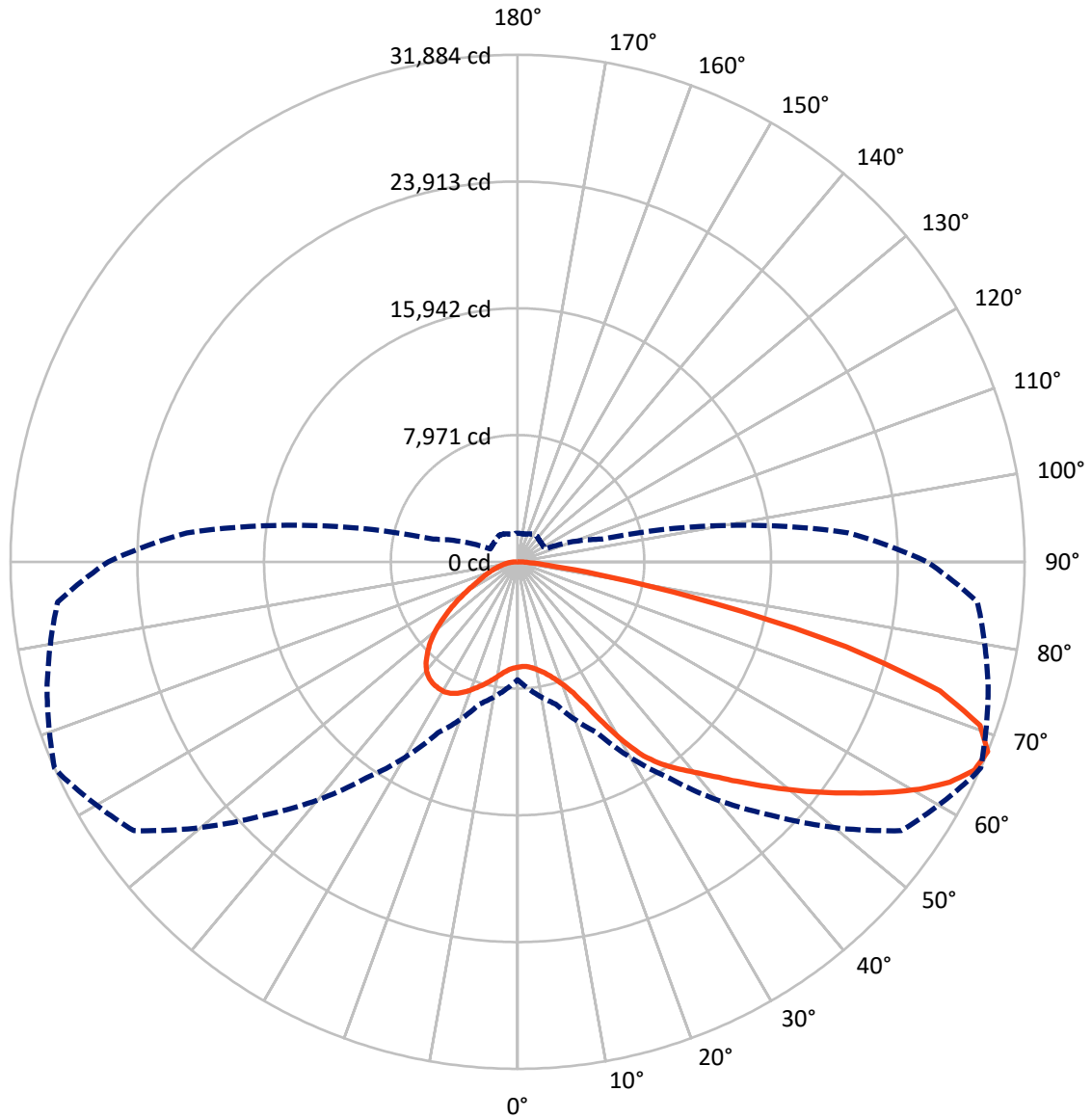
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14851.4	0.0	14851.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	44877.6	0.0	44877.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	59729.0	0.0	59729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.8	1.1
10°-20°	2170.0	3.6
20°-30°	4182.6	7.0
30°-40°	7333.7	12.3
40°-50°	10902.8	18.3
50°-60°	13820.3	23.1
60°-70°	13522.8	22.6
70°-80°	6450.5	10.8
80°-90°	689.4	1.2
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°	59729.0	100.0
0°-180°	59729.0	100.0

Coefficient of Utilization

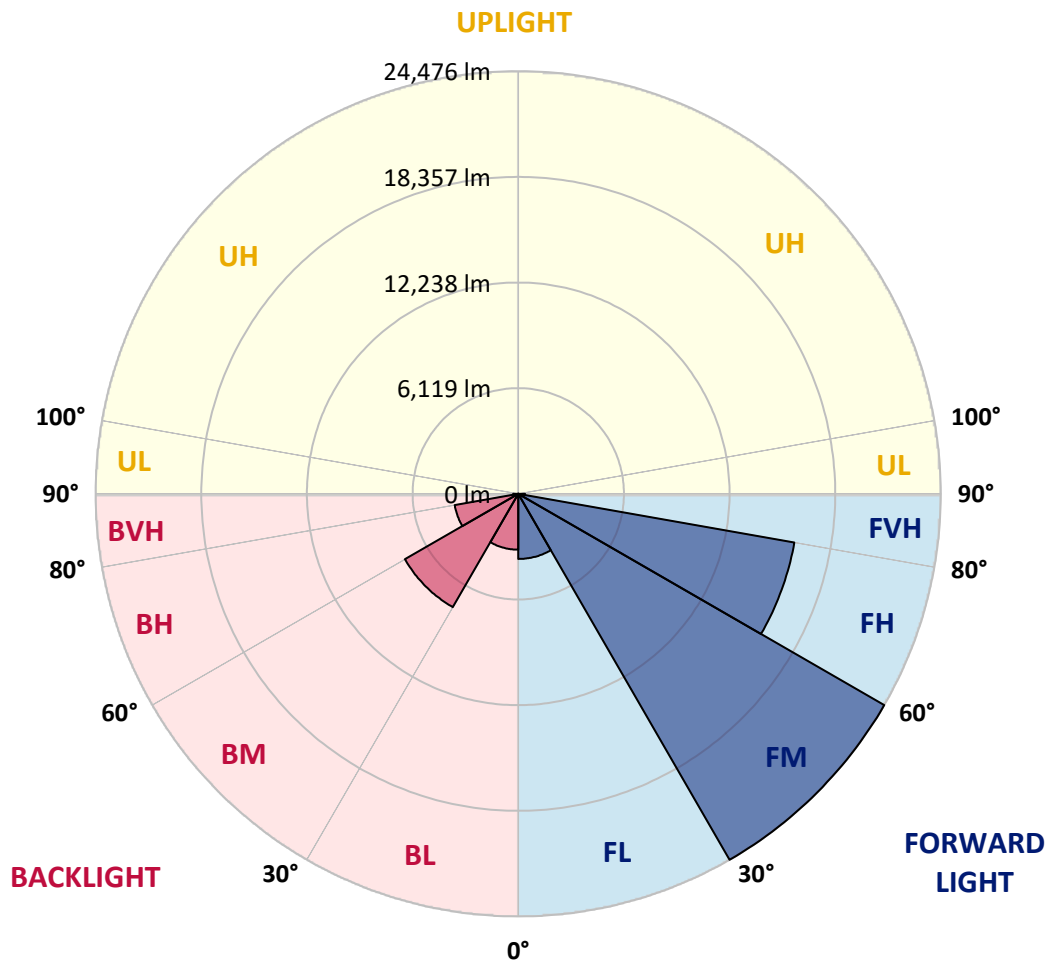


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3774.3	6.3			
FM (30°-60°)	24476.4	41.0			
FH (60°-80°)	16236.0	27.2			G5
FVH (80°-90°)	390.9	0.7			G3/500
BL (0°-30°)	3235.2	5.4	B4/5000		
BM (30°-60°)	7580.3	12.7	B4/8500		
BH (60°-80°)	3737.4	6.3	B4/5000		G4/5000
BVH (80°-90°)	298.5	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6624.7	6624.7	6624.7	6624.7	6624.7	6624.7	6624.7	6624.7	6624.7	6624.7
2.5°	6555.7	6593.4	6583.9	6568.2	6565.1	6571.4	6580.8	6590.2	6587.1	6602.8
5°	6536.9	6574.5	6571.4	6571.4	6583.9	6609.0	6624.7	6640.4	6624.7	6643.6
7.5°	6549.4	6577.7	6590.2	6602.8	6634.2	6681.2	6718.9	6753.4	6734.6	6756.5
10°	6709.5	6731.4	6744.0	6744.0	6766.0	6819.3	6857.0	6919.7	6904.0	6938.6
12.5°	7001.3	7023.3	7023.3	7010.7	7026.4	7060.9	7073.5	7142.5	7114.3	7170.8
15°	7359.1	7403.0	7368.5	7346.5	7352.8	7387.3	7384.2	7437.5	7409.3	7456.4
17.5°	7754.5	7811.0	7754.5	7751.3	7738.8	7776.5	7779.6	7826.7	7776.5	7811.0
20°	8222.1	8300.5	8253.5	8269.2	8240.9	8256.6	8272.3	8341.3	8262.9	8288.0
22.5°	8881.1	8975.2	8925.0	8984.7	8965.8	8953.3	8950.1	9072.5	8950.1	8959.6
25°	9841.4	9954.4	9866.5	9948.1	9948.1	9988.9	10036.0	10192.9	9988.9	9929.3
27.5°	11259.9	11372.8	11200.2	11250.4	11234.7	11335.2	11285.0	11674.1	11454.4	11357.1
30°	12967.0	13167.9	12841.5	12829.0	12813.3	12973.3	13045.5	13302.8	13080.0	12982.7
32.5°	14812.3	15022.6	14633.4	14520.4	14460.8	14558.1	14498.5	14705.6	14551.8	14401.2
35°	16764.3	16971.4	16601.1	16381.4	16142.9	15938.9	15725.5	15778.9	15634.5	15405.4
37.5°	18609.5	18989.2	18597.0	18361.6	17922.2	17523.7	16927.4	16679.5	16544.6	16334.3
40°	20489.3	20705.8	20407.7	20206.9	19729.8	19105.3	18151.3	17627.3	17445.2	17241.3
42.5°	21873.2	22080.4	21920.3	21782.2	21408.8	20683.9	19450.5	18794.7	18531.1	18302.0
45°	22971.6	23125.4	23025.0	23075.2	22915.1	22212.2	20796.8	20046.8	19773.8	19494.5
47.5°	23414.1	23577.3	23737.3	24035.5	24308.5	23790.7	22243.5	21402.5	21113.8	20828.2
50°	23363.9	23530.2	23994.7	24628.6	25475.9	25303.3	23768.7	22846.1	22579.3	22253.0
52.5°	22962.2	23150.5	23746.7	24801.2	26150.6	26436.2	25322.1	24336.7	24085.7	23696.5
55°	21907.8	22020.7	22915.1	24408.9	26310.6	27227.0	26844.1	25924.7	25673.6	25130.7
57.5°	19952.7	20115.8	21418.2	23351.3	25909.0	27763.6	28181.0	27594.2	27352.5	26571.1
60°	17401.3	17661.8	19152.4	21575.1	24885.9	27760.5	29395.5	29235.5	29034.6	27989.6
62.5°	14514.2	14815.4	16249.6	19064.6	23097.1	26972.8	30154.9	30610.0	30506.4	29298.2
65°	11146.9	11354.0	12781.9	15816.5	20313.6	25281.3	30242.8	31548.3	31567.1	30293.0
67.5°	7421.8	8018.1	9257.7	11868.7	16585.4	22516.6	29470.8	31702.1	31884.1	30635.1
70°	3621.5	4406.0	5620.5	7713.7	11868.7	18276.9	27453.0	30440.5	30845.3	29637.1
72.5°	1503.2	1757.4	2419.6	3806.6	6813.0	12333.1	23398.4	27019.9	27769.9	26260.4
75°	1013.6	1098.4	1383.9	1952.0	3103.7	6081.8	16874.1	20147.2	21355.4	19833.4
77.5°	781.4	834.8	1007.4	1365.1	1845.3	2300.3	9031.7	12141.7	12766.2	11818.5
80°	615.1	655.9	753.2	994.8	1308.6	1230.2	3078.6	5501.3	5862.2	4917.6
82.5°	533.5	549.2	539.8	674.7	869.3	718.6	1010.5	2030.4	2240.7	1625.6
85°	386.0	429.9	448.8	417.4	461.3	364.0	414.2	718.6	790.8	706.1
87.5°	156.9	232.2	285.6	269.9	169.5	103.6	128.7	210.3	241.6	263.6
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°
6624.7	0°	6624.7	6624.7	6624.7	6624.7	6624.7	6624.7	6624.7	6624.7	6624.7	6624.7
6627.9	2.5°	6631.0	6653.0	6668.7	6687.5	6700.1	6718.9	6756.5	6778.5	6781.6	6797.3
6678.1	5°	6690.6	6722.0	6756.5	6806.8	6863.2	6910.3	6982.5	7032.7	7051.5	7067.2
6800.5	7.5°	6819.3	6863.2	6926.0	7013.9	7095.5	7158.2	7246.1	7305.7	7365.4	7387.3
6995.0	10°	7010.7	7073.5	7164.5	7283.8	7371.6	7453.2	7544.2	7594.4	7654.1	7679.2
7227.3	12.5°	7249.2	7315.1	7434.4	7600.7	7682.3	7738.8	7770.2	7757.6	7770.2	7792.1
7506.6	15°	7522.3	7594.4	7729.4	7908.3	7964.7	7914.5	7845.5	7782.7	7773.3	7779.6
7845.5	17.5°	7845.5	7898.8	8055.8	8206.4	8165.6	7958.5	7807.8	7707.4	7657.2	7641.5
8278.6	20°	8297.4	8297.4	8426.1	8520.2	8247.2	7895.7	7660.3	7497.2	7393.6	7349.7
8868.5	22.5°	8846.6	8796.4	8878.0	8812.1	8231.5	7720.0	7393.6	7111.2	6954.2	6891.5
9693.9	25°	9543.3	9483.6	9461.7	9053.7	8118.5	7440.7	6910.3	6568.2	6430.2	6395.6
10883.3	27.5°	10594.6	10443.9	10158.3	9185.5	7911.4	7001.3	6345.4	6028.5	5950.0	5953.2
12411.6	30°	11994.2	11692.9	10993.1	9207.5	7572.5	6380.0	5768.0	5542.1	5504.4	5520.1
13695.1	32.5°	13290.3	13004.7	11846.7	9107.0	7051.5	5771.1	5250.2	5099.6	5043.1	5061.9
14674.2	35°	14307.0	14228.6	12637.5	8965.8	6411.3	5200.0	4785.8	4657.1	4547.2	4522.1
15596.8	37.5°	15267.3	15236.0	13230.6	8768.1	5777.4	4795.2	4412.3	4242.8	4082.8	3994.9
16616.8	40°	16321.8	16290.4	13619.8	8463.7	5215.7	4443.7	4076.5	3853.7	3656.0	3496.0
17771.6	42.5°	17508.0	17322.9	13804.9	8027.5	4738.7	4145.6	3803.5	3502.2	3241.8	3094.3
19077.1	45°	18804.1	18386.7	13801.8	7472.0	4337.0	3872.5	3511.6	3084.8	2843.2	2705.1
20417.1	47.5°	20178.6	19403.5	13632.3	6857.0	3947.9	3571.3	3059.7	2733.4	2573.3	2488.6
21873.2	50°	21597.1	20354.4	13343.6	6150.9	3549.3	3229.2	2777.3	2554.5	2432.1	2353.6
23316.8	52.5°	22930.8	21217.4	12995.3	5350.6	3144.5	2896.6	2651.8	2479.2	2350.5	2262.6
24716.4	55°	24170.4	21961.1	12502.6	4531.6	2815.0	2673.7	2592.2	2447.8	2300.3	2196.7
26138.0	57.5°	25271.9	22444.4	11652.1	3762.7	2579.6	2520.0	2529.4	2394.4	2225.0	2137.1
27537.7	60°	26188.3	22799.0	10393.7	3050.3	2388.2	2369.3	2432.1	2294.0	2096.3	1995.9
28720.8	62.5°	26737.4	22792.7	8849.7	2498.0	2225.0	2231.3	2303.4	2168.5	1967.6	1873.5
29339.0	65°	26690.4	22234.1	7155.1	2137.1	2068.1	2074.3	2168.5	2030.4	1861.0	1804.5
29028.3	67.5°	25745.8	20872.2	5488.7	1901.7	1895.5	1923.7	2033.6	1936.3	1795.0	1788.8
27176.8	70°	23188.1	18044.6	3954.1	1713.5	1716.6	1757.4	1901.7	1876.6	1760.5	1773.1
22849.2	72.5°	18593.8	13757.9	2654.9	1515.7	1518.9	1584.8	1776.2	1829.6	1726.0	1892.3
16211.9	75°	12383.3	8579.8	1707.2	1305.5	1308.6	1393.4	1666.4	1738.6	1631.9	1886.1
8435.5	77.5°	5950.0	3856.8	1236.4	1098.4	1098.4	1176.8	1440.4	1556.5	1390.2	1465.5
2711.4	80°	2055.5	1449.8	972.8	885.0	866.1	919.5	1214.5	1349.4	1198.8	1104.6
885.0	82.5°	809.7	753.2	781.4	687.3	624.5	659.0	944.6	1114.1	881.8	797.1
499.0	85°	464.5	489.6	552.3	455.0	360.9	404.8	693.5	800.2	665.3	586.8
163.2	87.5°	125.5	172.6	254.2	235.4	163.2	172.6	329.5	442.5	382.9	295.0
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

<u>180°</u>
6624.7
6794.2
7064.1
7390.5
7691.7
7798.4
7801.6
7663.5
7340.2
6882.1
6401.9
5962.6
5573.4
5087.0
4541.0
3998.1
3511.6
3103.7
2698.9
2469.8
2325.4
2225.0
2155.9
2080.6
1952.0
1845.3
1801.3
1798.2
1769.9
1917.4
1901.7
1343.1
1035.6
794.0
599.4
304.4
0.0

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