

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: P851426

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

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
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
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32727 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

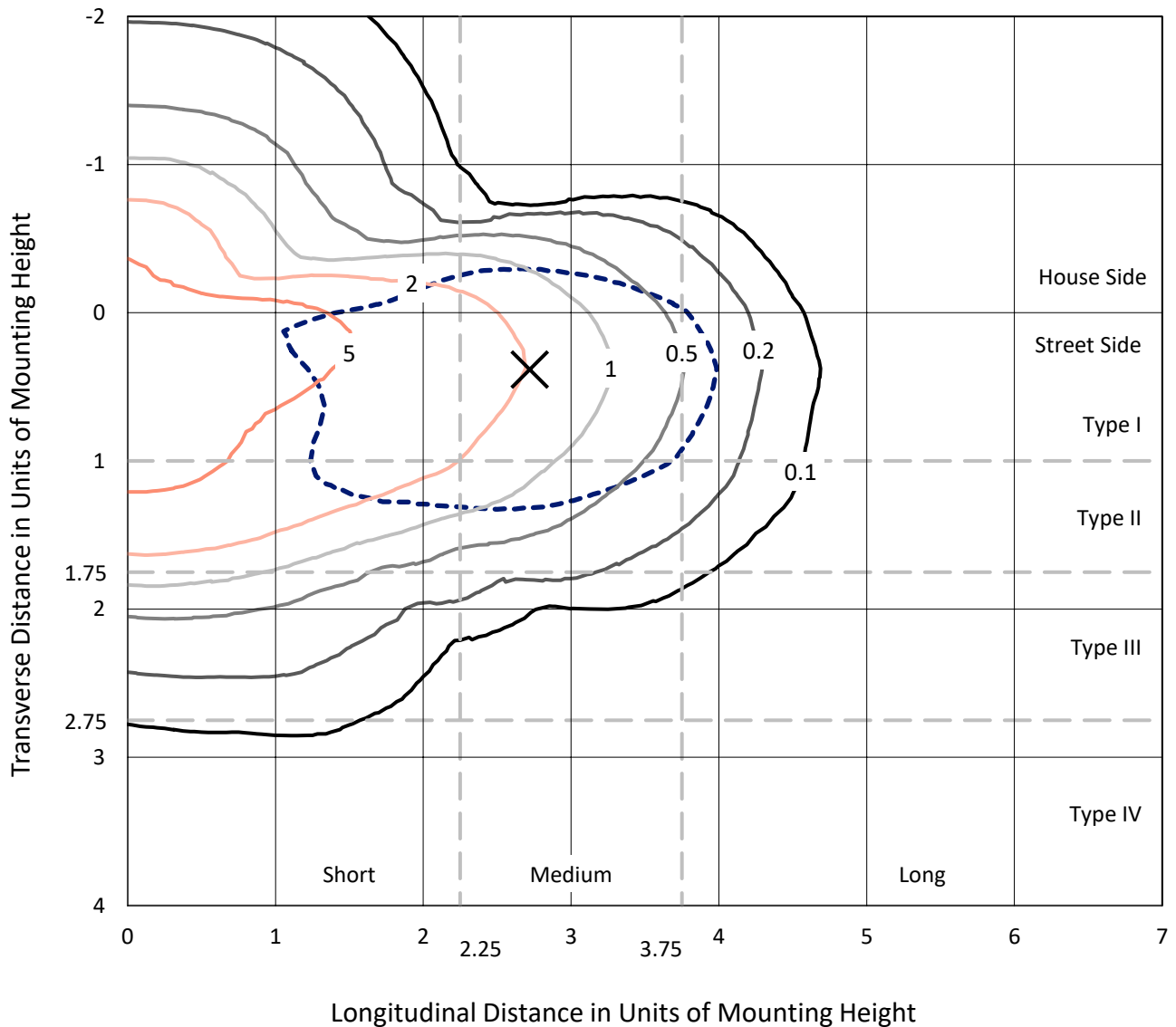
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

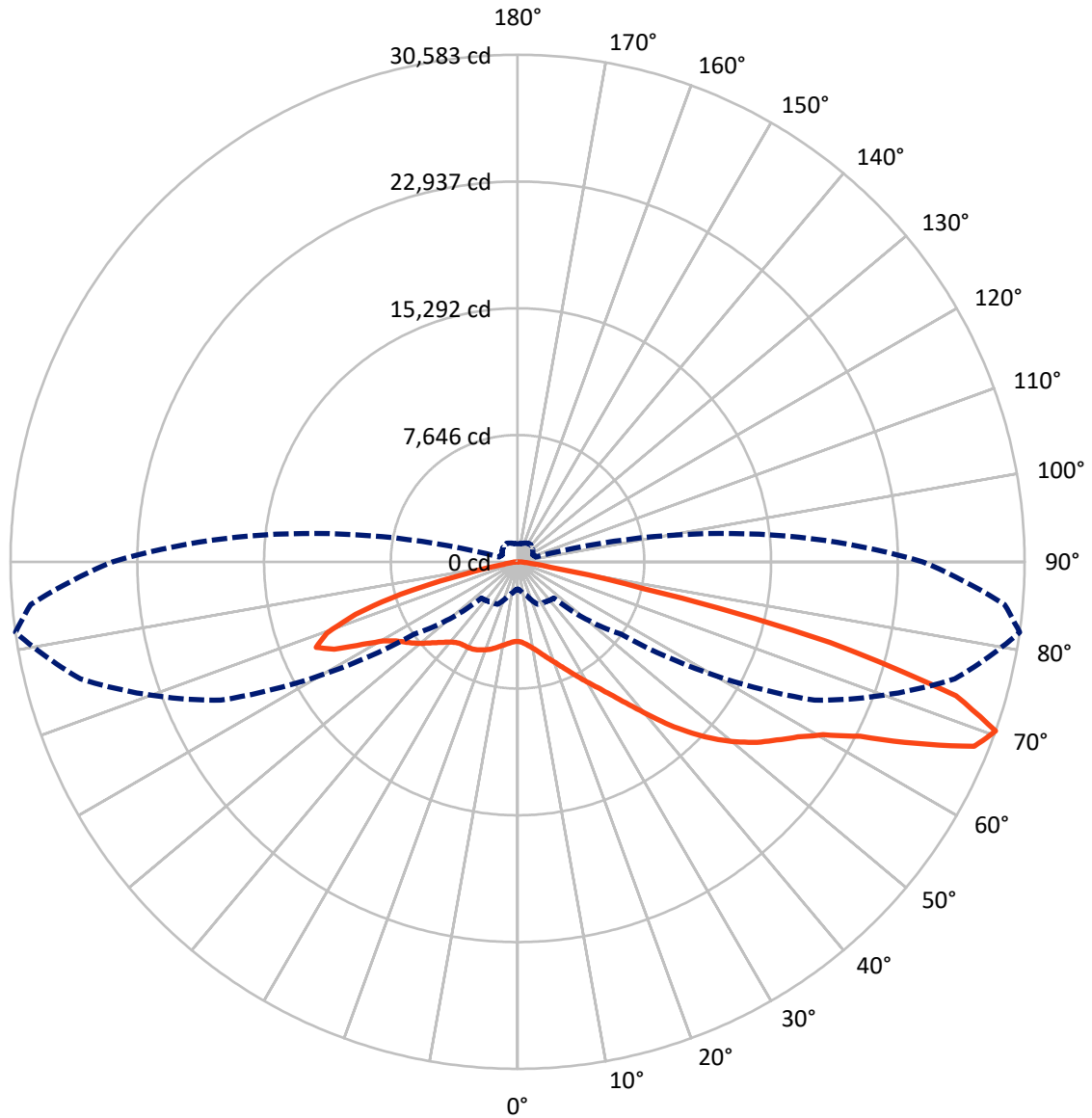
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8068.0	0.0	8068.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	24659.0	0.0	24659.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	32727.0	0.0	32727.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.0	1.4
10°-20°	1301.6	4.0
20°-30°	2177.4	6.7
30°-40°	3401.7	10.4
40°-50°	5417.6	16.6
50°-60°	7539.3	23.0
60°-70°	7886.4	24.1
70°-80°	4121.9	12.6
80°-90°	428.0	1.3
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°	32727.0	100.0
0°-180°	32727.0	100.0

Coefficient of Utilization



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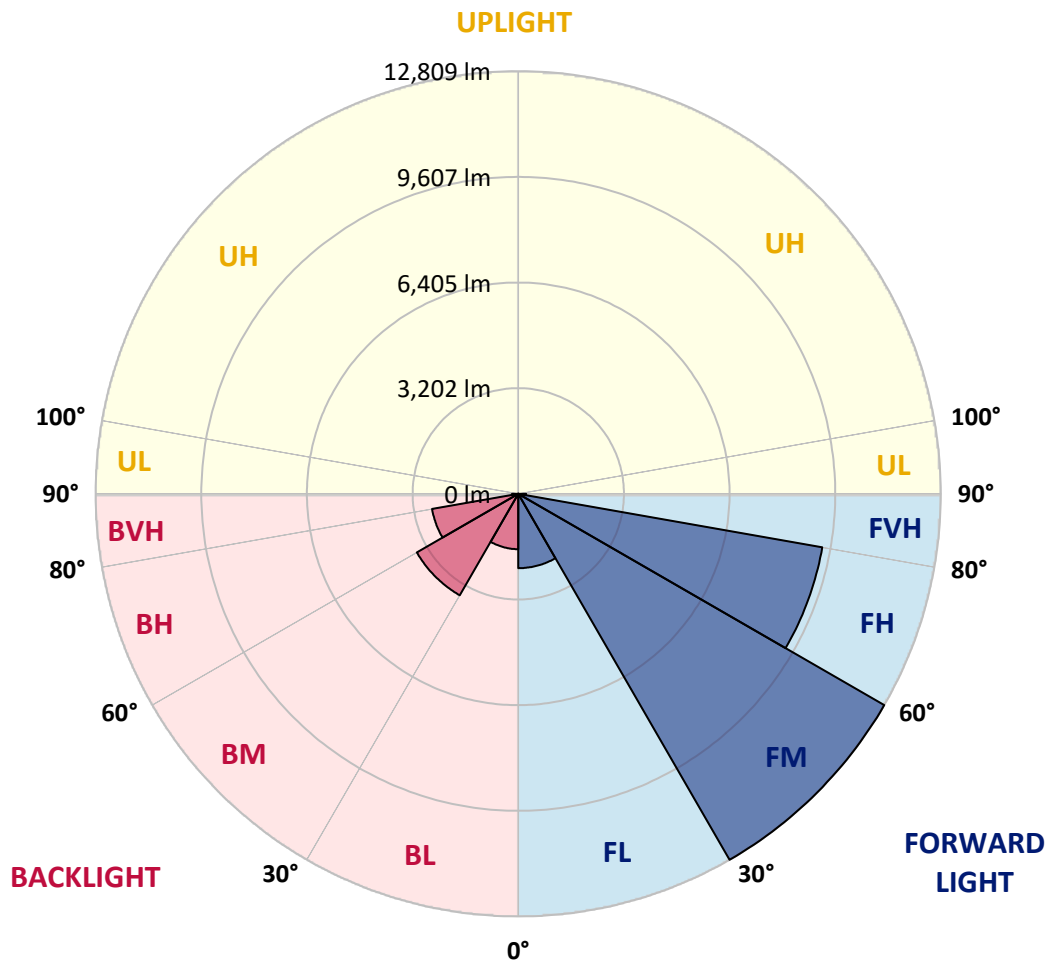
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2253.6	6.9			
FM (30°-60°)	12809.0	39.1			
FH (60°-80°)	9356.8	28.6			G4/12000
FVH (80°-90°)	239.6	0.7			G3/500
BL (0°-30°)	1678.4	5.1	B3/2500		
BM (30°-60°)	3549.6	10.8	B3/5000		
BH (60°-80°)	2651.6	8.1	B4/5000		G4/5000
BVH (80°-90°)	188.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4798.2	4798.2	4798.2	4798.2	4798.2	4798.2	4798.2	4798.2	4798.2	4798.2
2.5°	4912.8	4940.6	4931.9	4923.2	4923.2	4911.1	4909.3	4892.0	4878.1	4855.5
5°	4975.3	5004.8	5001.4	5008.3	5030.9	5036.1	5041.3	5030.9	5003.1	4975.3
7.5°	4919.7	4952.7	4963.2	5004.8	5074.3	5136.8	5183.7	5202.8	5176.8	5136.8
10°	4732.2	4768.7	4805.1	4904.1	5027.4	5175.0	5300.1	5374.7	5369.5	5331.3
12.5°	4351.9	4390.1	4468.2	4661.0	4886.8	5147.2	5379.9	5536.2	5590.1	5562.3
15°	4048.0	4081.0	4140.0	4338.0	4631.5	5027.4	5409.5	5713.4	5850.6	5834.9
17.5°	4039.3	4053.2	4089.7	4183.4	4409.2	4839.9	5378.2	5887.0	6149.3	6147.5
20°	4192.1	4197.3	4218.2	4237.3	4365.8	4697.5	5298.3	6031.2	6484.4	6484.4
22.5°	4404.0	4400.5	4421.3	4404.0	4466.5	4685.3	5248.0	6157.9	6857.8	6885.6
25°	4721.8	4704.4	4699.2	4659.3	4671.4	4798.2	5303.5	6302.1	7300.6	7357.9
27.5°	5145.5	5117.7	5098.6	5006.6	4975.3	5030.9	5473.7	6475.7	7793.8	7892.8
30°	5697.7	5647.4	5619.6	5459.8	5346.9	5355.6	5730.7	6706.7	8309.6	8469.3
32.5°	6451.4	6373.3	6298.6	6036.4	5829.7	5762.0	6062.4	7026.2	8868.7	9124.0
35°	7295.4	7232.9	7153.0	6748.4	6430.6	6274.3	6510.5	7472.5	9523.4	9928.1
37.5°	8108.1	8054.3	8092.5	7547.2	7137.4	6909.9	7097.4	8071.7	10331.0	10928.3
40°	8948.6	8907.0	8912.2	8391.2	7913.6	7658.3	7809.4	8823.6	11256.6	12117.9
42.5°	9862.1	9830.8	9726.6	9264.7	8728.1	8490.2	8629.1	9691.9	12249.9	13472.4
45°	10884.9	10865.8	10768.6	10238.9	9624.2	9356.7	9544.3	10650.5	13248.4	14747.1
47.5°	11768.8	11784.5	11772.3	11326.0	10688.7	10296.2	10520.2	11650.8	14177.5	15945.3
50°	12194.3	12275.9	12395.8	12256.8	11860.9	11461.5	11504.9	12616.3	15063.1	17068.9
52.5°	11972.0	12126.6	12453.1	12675.3	12828.2	12744.8	12628.5	13574.9	15896.7	18083.1
55°	11143.7	11360.7	11902.6	12439.2	13218.9	13825.0	13977.8	14637.7	16709.4	18975.7
57.5°	9634.6	9987.1	10473.4	11558.7	12871.6	14347.7	15551.1	16112.0	17570.8	19929.1
60°	7047.1	7519.4	8123.7	9738.8	11656.0	14068.1	16890.0	18376.6	18795.1	21163.8
62.5°	4509.9	4801.7	5357.4	6878.6	9082.3	12635.4	17299.9	21207.2	20870.3	23188.6
65°	3087.7	3275.2	3784.0	4638.4	5871.4	9405.4	16202.3	23329.3	24166.3	26397.8
67.5°	2243.7	2386.1	2820.2	3568.7	3825.7	5565.8	12572.9	23232.0	27370.3	29704.3
70°	1635.9	1736.6	2101.3	2820.2	2943.5	3096.3	7616.7	19748.5	27300.9	30583.0
72.5°	1212.1	1281.6	1526.5	2188.1	2382.6	2090.8	3770.1	14352.9	23459.5	27662.1
75°	877.0	929.1	1109.7	1674.1	1906.8	1592.4	1880.7	8387.7	16363.9	19458.4
77.5°	670.3	710.3	828.4	1226.0	1526.5	1194.8	1167.0	3858.7	7759.1	7797.3
80°	538.3	564.4	628.6	863.1	1170.5	894.3	760.6	1557.7	2452.1	2075.2
82.5°	395.9	439.4	531.4	606.1	837.0	616.5	463.7	786.7	932.5	802.3
85°	225.8	255.3	321.3	434.1	534.9	376.8	265.7	349.1	434.1	356.0
87.5°	79.9	104.2	112.9	170.2	232.7	156.3	102.5	100.7	142.4	105.9
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°
4798.2	0°	4798.2	4798.2	4798.2	4798.2	4798.2	4798.2	4798.2	4798.2	4798.2	4798.2
4850.3	2.5°	4832.9	4824.2	4789.5	4742.6	4694.0	4647.1	4631.5	4598.5	4575.9	4563.7
4963.2	5°	4930.2	4902.4	4820.8	4716.6	4607.2	4489.1	4405.7	4329.3	4273.7	4221.6
5117.7	7.5°	5069.1	5020.5	4879.8	4697.5	4503.0	4306.7	4160.9	4049.7	3975.0	3926.4
5298.3	10°	5230.6	5155.9	4940.6	4667.9	4367.5	4086.2	3914.3	3818.8	3771.9	3745.8
5505.0	12.5°	5416.4	5310.5	5003.1	4600.2	4160.9	3839.6	3721.5	3693.7	3695.5	3697.2
5765.5	15°	5645.6	5498.0	5053.5	4452.6	3891.7	3650.3	3629.5	3674.6	3721.5	3744.1
6060.7	17.5°	5904.4	5696.0	5062.1	4209.5	3627.7	3528.7	3594.7	3692.0	3763.2	3794.4
6390.6	20°	6182.2	5897.4	4999.6	3865.6	3410.7	3429.8	3547.8	3672.9	3751.0	3791.0
6767.5	22.5°	6500.0	6112.8	4850.3	3504.4	3233.5	3322.1	3461.0	3582.6	3664.2	3704.1
7210.3	25°	6863.0	6354.2	4615.8	3200.5	3080.7	3200.5	3339.5	3440.2	3506.2	3542.6
7705.2	27.5°	7265.9	6606.0	4303.3	2959.1	2947.0	3075.5	3190.1	3268.3	3303.0	3330.8
8231.4	30°	7670.5	6835.2	3924.7	2776.8	2830.6	2952.2	3033.8	3068.5	3079.0	3084.2
8818.4	32.5°	8108.1	7033.2	3527.0	2625.7	2719.5	2832.4	2881.0	2896.6	2848.0	2815.0
9530.4	35°	8637.8	7245.0	3138.0	2505.9	2610.1	2707.3	2723.0	2709.1	2651.8	2584.0
10423.0	37.5°	9292.5	7509.0	2827.2	2420.8	2507.6	2571.9	2552.8	2549.3	2554.5	2474.6
11496.2	40°	10094.8	7852.8	2599.7	2354.8	2424.3	2438.2	2384.3	2413.9	2439.9	2318.3
12673.6	42.5°	10985.6	8267.9	2455.5	2309.7	2354.8	2321.8	2238.5	2271.5	2268.0	2108.2
13856.2	45°	11893.9	8719.4	2405.2	2276.7	2290.6	2224.6	2132.5	2141.2	2068.3	1924.1
14990.2	47.5°	12796.9	9203.9	2436.4	2248.9	2210.7	2136.0	2064.8	2026.6	1918.9	1811.3
16077.3	50°	13682.6	9712.7	2551.0	2193.3	2101.3	2057.9	2005.8	1938.0	1823.4	1731.4
17105.4	52.5°	14504.0	10225.0	2679.6	2101.3	1964.1	1990.1	1957.1	1879.0	1766.1	1672.3
18077.9	55°	15282.0	10737.3	2729.9	1974.5	1835.6	1931.1	1912.0	1767.8	1632.4	1556.0
19095.5	57.5°	16129.4	11353.8	2674.3	1813.0	1731.4	1863.4	1790.4	1630.7	1552.5	1495.2
20420.5	60°	17303.3	12321.1	2554.5	1613.3	1632.4	1762.6	1637.6	1571.6	1486.5	1422.3
22407.2	62.5°	19253.5	14125.4	2361.8	1415.3	1516.0	1613.3	1564.7	1498.7	1411.8	1349.3
25803.9	65°	22136.3	16633.0	1998.8	1260.8	1385.8	1467.4	1486.5	1420.5	1330.2	1264.2
28780.4	67.5°	24567.5	18206.4	1512.6	1132.3	1252.1	1349.3	1403.2	1338.9	1243.4	1179.1
29476.8	70°	24433.8	17063.7	1154.8	1005.5	1134.0	1233.0	1302.4	1252.1	1149.6	1088.8
26774.7	72.5°	21702.1	14274.7	934.3	877.0	1014.2	1111.4	1194.8	1156.6	1052.4	993.3
19614.7	75°	15943.6	10133.0	746.7	746.7	864.8	984.6	1076.7	1052.4	956.9	915.2
8234.9	77.5°	6720.6	4251.2	585.2	620.0	718.9	845.7	960.3	969.0	885.7	937.8
2177.7	80°	1786.9	1172.2	446.3	488.0	564.4	698.1	835.3	831.8	741.5	692.9
809.2	82.5°	680.7	461.9	317.8	343.8	408.1	534.9	661.6	682.5	592.2	512.3
317.8	85°	262.2	198.0	196.2	206.7	237.9	354.3	500.1	517.5	446.3	378.6
88.6	87.5°	67.7	59.0	72.9	69.5	109.4	189.3	286.5	297.0	272.6	158.0
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>
4798.2
4577.6
4242.5
3936.8
3752.8
3700.7
3742.3
3801.4
3801.4
3714.6
3553.1
3341.2
3096.3
2825.4
2587.5
2479.8
2321.8
2106.5
1929.3
1811.3
1724.4
1674.1
1549.0
1490.0
1418.8
1349.3
1267.7
1180.9
<i>1094.0</i>
993.3
903.0
850.9
644.3
512.3
390.7
225.8
0.0

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