

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: P851548

Luminaire Tested: **GLAN-SB9C-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851548
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-SB9C-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54424 lumens
Efficiency: N/A
Efficacy: 121.0 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

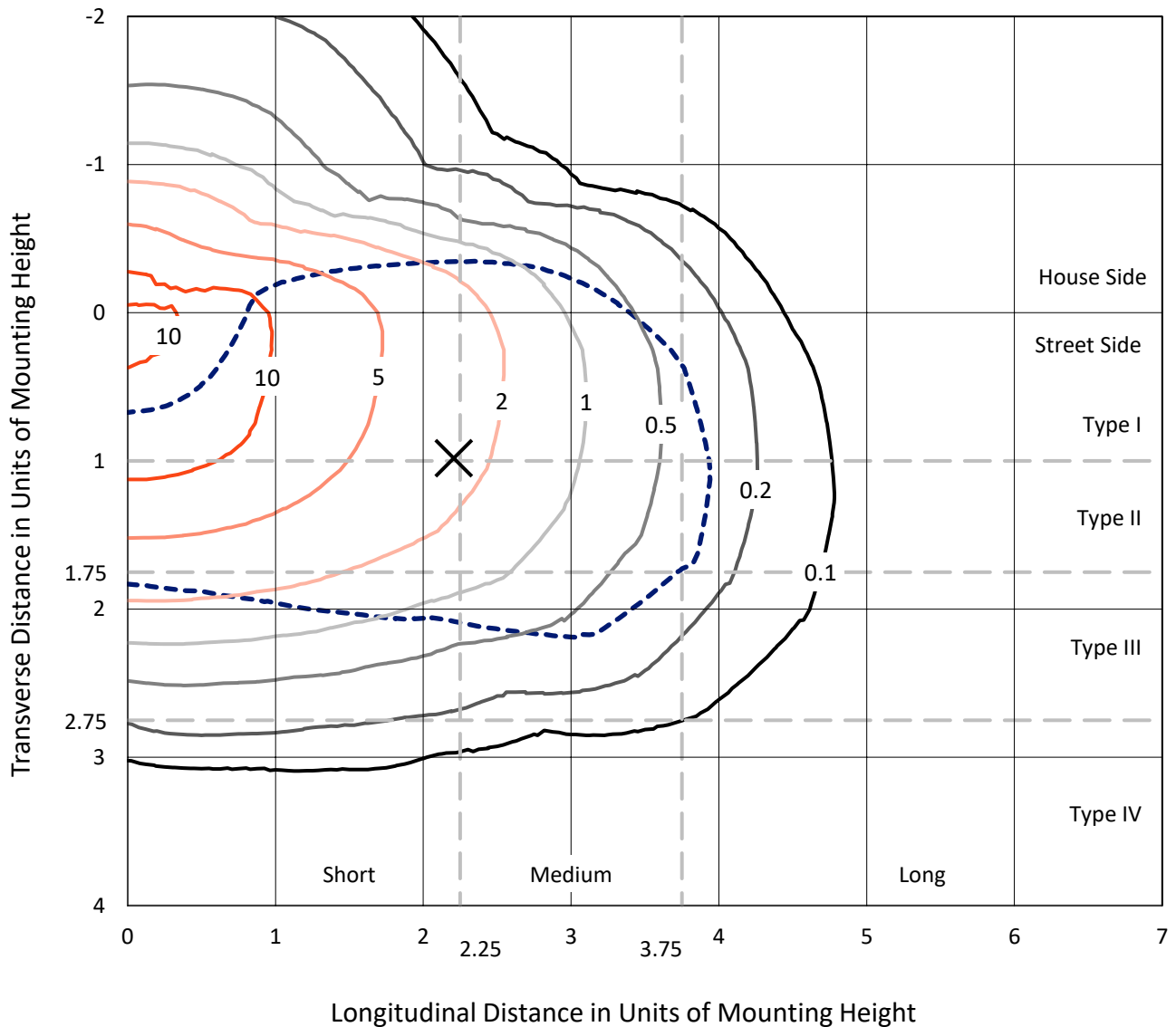
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

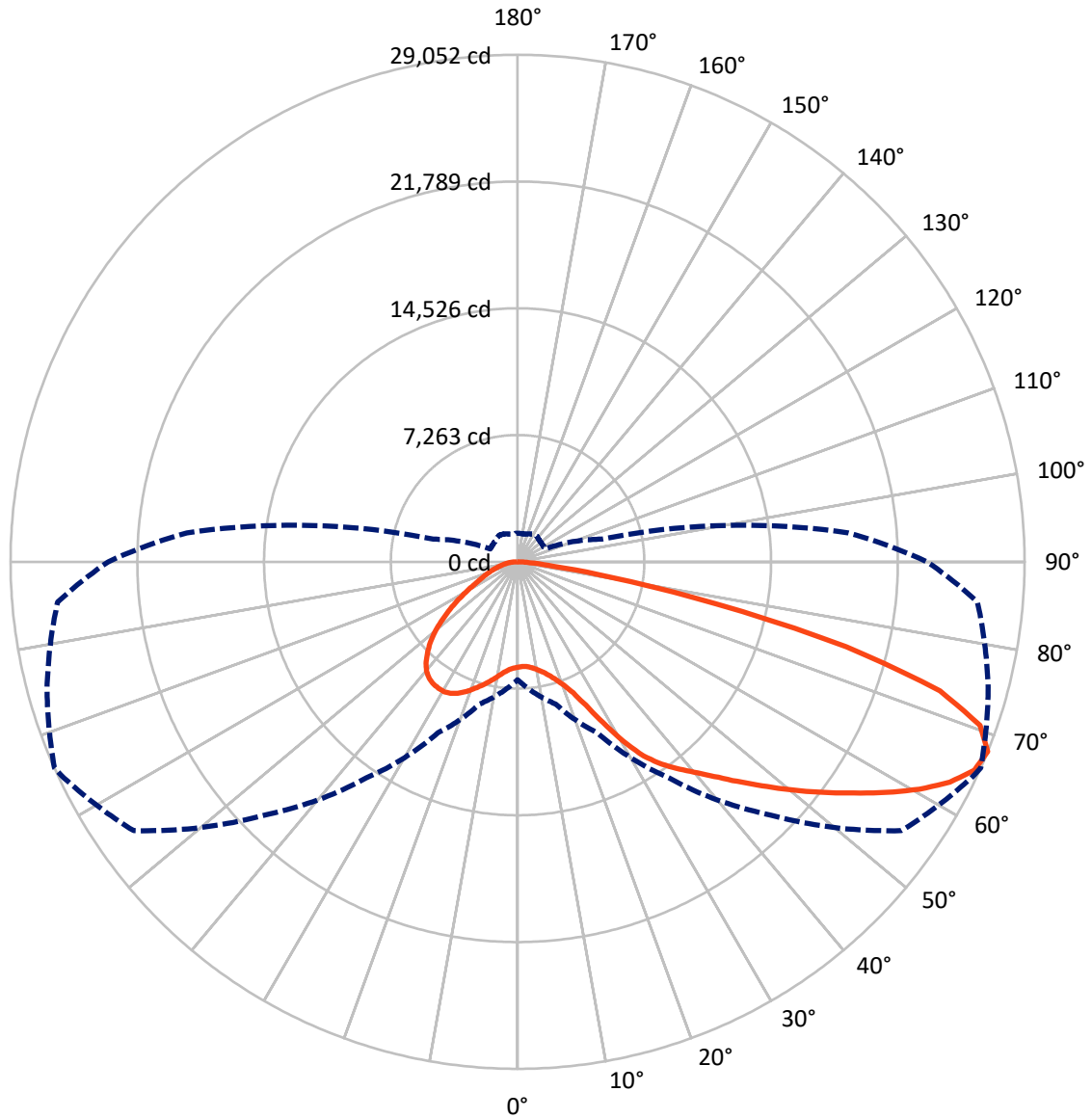
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 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	13532.4	0.0	13532.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	40891.6	0.0	40891.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	54424.0	0.0	54424.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.5	1.1
10°-20°	1977.3	3.6
20°-30°	3811.1	7.0
30°-40°	6682.3	12.3
40°-50°	9934.4	18.3
50°-60°	12592.8	23.1
60°-70°	12321.8	22.6
70°-80°	5877.6	10.8
80°-90°	628.2	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°	54424.0	100.0
0°-180°	54424.0	100.0

Coefficient of Utilization

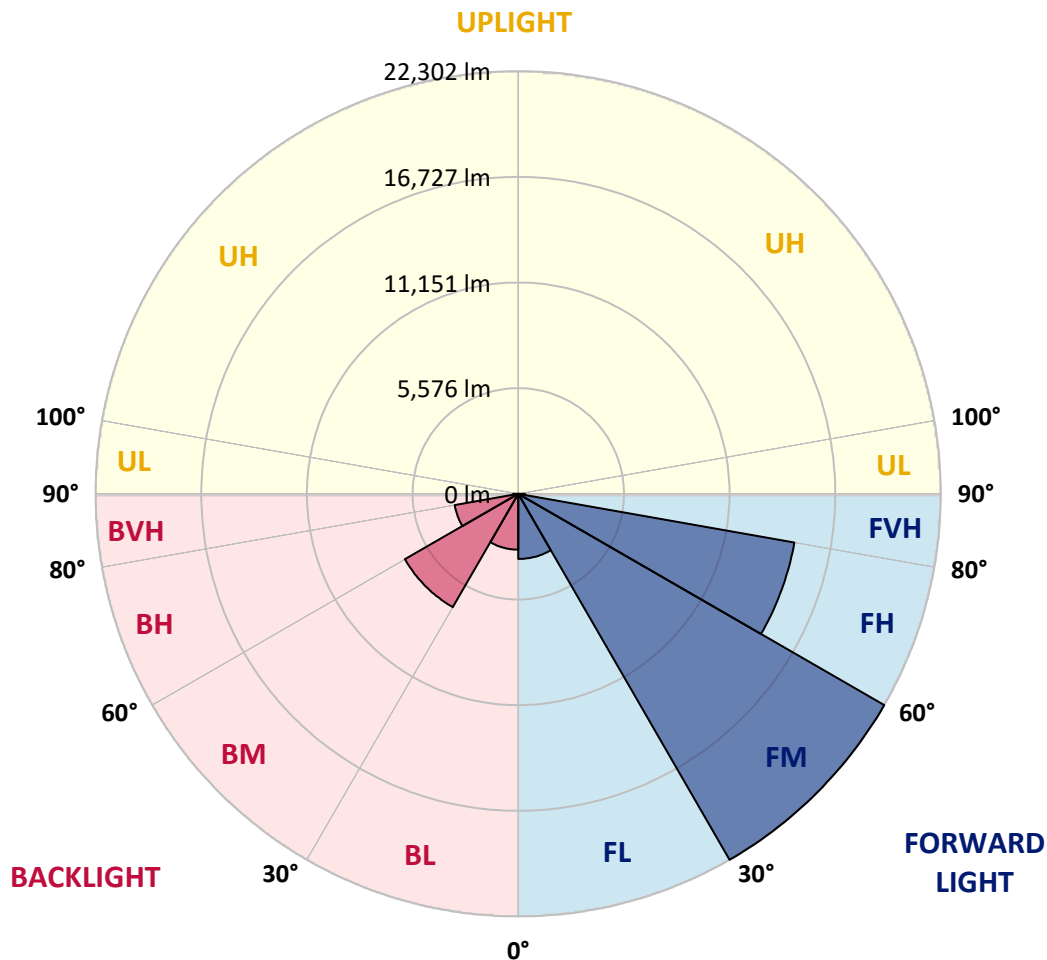


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3439.1	6.3			
FM (30°-60°)	22302.5	41.0			
FH (60°-80°)	14793.9	27.2			G5
FVH (80°-90°)	356.1	0.7			G3/500
BL (0°-30°)	2947.8	5.4	B4/5000		
BM (30°-60°)	6907.1	12.7	B4/8500		
BH (60°-80°)	3405.4	6.3	B4/5000		G4/5000
BVH (80°-90°)	272.0	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°	6036.3	6036.3	6036.3	6036.3	6036.3	6036.3	6036.3	6036.3	6036.3	6036.3
2.5°	5973.4	6007.7	5999.2	5984.9	5982.0	5987.7	5996.3	6004.9	6002.0	6016.3
5°	5956.3	5990.6	5987.7	5987.7	5999.2	6022.0	6036.3	6050.6	6036.3	6053.5
7.5°	5967.7	5993.4	6004.9	6016.3	6044.9	6087.8	6122.1	6153.6	6136.4	6156.4
10°	6113.5	6133.6	6145.0	6145.0	6165.0	6213.6	6247.9	6305.1	6290.8	6322.3
12.5°	6379.5	6399.5	6399.5	6388.1	6402.4	6433.8	6445.2	6508.2	6482.4	6533.9
15°	6705.5	6745.5	6714.0	6694.0	6699.7	6731.2	6728.3	6776.9	6751.2	6794.1
17.5°	7065.7	7117.2	7065.7	7062.9	7051.5	7085.8	7088.6	7131.5	7085.8	7117.2
20°	7491.8	7563.3	7520.4	7534.7	7509.0	7523.3	7537.6	7600.5	7529.0	7551.9
22.5°	8092.3	8178.1	8132.3	8186.7	8169.5	8158.1	8155.2	8266.7	8155.2	8163.8
25°	8967.3	9070.2	8990.2	9064.5	9064.5	9101.7	9144.6	9287.6	9101.7	9047.4
27.5°	10259.8	10362.7	10205.4	10251.2	10236.9	10328.4	10282.7	10637.2	10437.1	10348.4
30°	11815.3	11998.3	11701.0	11689.5	11675.2	11821.0	11886.8	12121.3	11918.3	11829.6
32.5°	13496.7	13688.3	13333.7	13230.8	13176.4	13265.1	13210.8	13399.5	13259.4	13122.1
35°	15275.3	15464.0	15126.6	14926.4	14709.1	14523.2	14328.8	14377.4	14245.9	14037.1
37.5°	16956.7	17302.7	16945.2	16730.8	16330.4	15967.3	15424.0	15198.1	15075.1	14883.5
40°	18669.5	18866.8	18595.1	18412.1	17977.5	17408.5	16539.2	16061.6	15895.8	15709.9
42.5°	19930.5	20119.2	19973.4	19847.6	19507.3	18846.8	17723.0	17125.4	16885.2	16676.4
45°	20931.3	21071.4	20979.9	21025.7	20879.8	20239.3	18949.7	18266.3	18017.5	17763.0
47.5°	21334.5	21483.2	21629.0	21900.7	22149.5	21677.6	20267.9	19501.6	19238.5	18978.3
50°	21288.8	21440.3	21863.5	22441.1	23213.2	23055.9	21657.6	20816.9	20573.9	20276.5
52.5°	20922.7	21094.3	21637.6	22598.4	23828.0	24088.2	23073.1	22175.2	21946.4	21591.9
55°	19962.0	20064.9	20879.8	22241.0	23973.8	24808.8	24459.9	23622.1	23393.3	22898.6
57.5°	18180.5	18329.2	19515.9	21277.3	23607.8	25297.7	25678.0	25143.3	24923.1	24211.1
60°	15855.8	16093.1	17451.3	19658.9	22675.6	25294.9	26784.7	26638.8	26455.8	25503.6
62.5°	13225.0	13499.6	14806.3	17371.3	21045.7	24577.1	27476.6	27891.3	27796.9	26696.0
65°	10156.8	10345.6	11646.6	14411.7	18509.3	23035.9	27556.7	28746.3	28763.4	27602.5
67.5°	6762.6	7305.9	8435.4	10814.5	15112.3	20516.7	26853.3	28886.4	29052.2	27914.1
70°	3299.8	4014.7	5121.3	7028.6	10814.5	16653.6	25014.6	27736.9	28105.7	27004.8
72.5°	1369.7	1601.3	2204.7	3468.5	6207.9	11237.7	21320.2	24620.0	25303.4	23928.0
75°	923.6	1000.8	1261.0	1778.6	2828.0	5541.7	15375.4	18357.8	19458.7	18071.8
77.5°	712.0	760.6	917.9	1243.9	1681.4	2096.0	8229.6	11063.3	11632.3	10768.8
80°	560.5	597.6	686.3	906.5	1192.4	1120.9	2805.1	5012.7	5341.5	4480.8
82.5°	486.1	500.4	491.8	614.8	792.1	654.8	920.7	1850.1	2041.7	1481.2
85°	351.7	391.7	408.9	380.3	420.3	331.7	377.5	654.8	720.6	643.4
87.5°	143.0	211.6	260.2	245.9	154.4	94.4	117.2	191.6	220.2	240.2
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°
6036.3	0°	6036.3	6036.3	6036.3	6036.3	6036.3	6036.3	6036.3	6036.3	6036.3	6036.3
6039.2	2.5°	6042.1	6062.1	6076.4	6093.5	6105.0	6122.1	6156.4	6176.5	6179.3	6193.6
6085.0	5°	6096.4	6125.0	6156.4	6202.2	6253.7	6296.6	6362.3	6408.1	6425.2	6439.5
6196.5	7.5°	6213.6	6253.7	6310.8	6390.9	6465.3	6522.5	6602.5	6656.8	6711.2	6731.2
6373.8	10°	6388.1	6445.2	6528.2	6636.8	6716.9	6791.2	6874.2	6919.9	6974.2	6997.1
6585.4	12.5°	6605.4	6665.4	6774.1	6925.6	7000.0	7051.5	7080.0	7068.6	7080.0	7100.1
6839.9	15°	6854.1	6919.9	7042.9	7205.9	7257.3	7211.6	7148.7	7091.5	7082.9	7088.6
7148.7	17.5°	7148.7	7197.3	7340.3	7477.5	7440.3	7251.6	7114.4	7022.9	6977.1	6962.8
7543.3	20°	7560.4	7560.4	7677.7	7763.5	7514.7	7194.4	6980.0	6831.3	6736.9	6696.9
8080.9	22.5°	8060.8	8015.1	8089.4	8029.4	7500.4	7034.3	6736.9	6479.6	6336.6	6279.4
8832.9	25°	8695.6	8641.3	8621.3	8249.6	7397.4	6779.8	6296.6	5984.9	5859.1	5827.6
9916.6	27.5°	9653.6	9516.3	9256.1	8369.7	7208.7	6379.5	5781.8	5493.0	5421.6	5424.4
11309.2	30°	10928.9	10654.4	10016.7	8389.7	6899.9	5813.3	5255.7	5049.8	5015.5	5029.8
12478.7	32.5°	12109.9	11849.6	10794.5	8298.2	6425.2	5258.6	4783.9	4646.6	4595.2	4612.3
13370.9	35°	13036.3	12964.8	11515.1	8169.5	5841.9	4738.1	4360.7	4243.5	4143.4	4120.5
14211.6	37.5°	13911.3	13882.7	12055.5	7989.4	5264.3	4369.3	4020.4	3866.0	3720.2	3640.1
15140.9	40°	14872.1	14843.5	12410.1	7712.0	4752.4	4049.0	3714.5	3511.4	3331.3	3185.4
16193.2	42.5°	15953.0	15784.3	12578.8	7314.5	4317.8	3777.4	3465.7	3191.2	2953.8	2819.4
17382.7	45°	17133.9	16753.6	12575.9	6808.4	3951.8	3528.6	3199.7	2810.9	2590.7	2464.9
18603.7	47.5°	18386.4	17680.1	12421.5	6247.9	3597.2	3254.1	2788.0	2490.6	2344.8	2267.6
19930.5	50°	19678.9	18546.5	12158.5	5604.6	3234.1	2942.4	2530.6	2327.6	2216.1	2144.6
21245.9	52.5°	20894.1	19332.9	11841.1	4875.4	2865.2	2639.3	2416.3	2259.0	2141.7	2061.7
22521.2	55°	22023.6	20010.6	11392.1	4129.1	2564.9	2436.3	2361.9	2230.4	2096.0	2001.6
23816.5	57.5°	23027.3	20450.9	10617.2	3428.5	2350.5	2296.2	2304.7	2181.8	2027.4	1947.3
25091.8	60°	23862.3	20774.0	9470.6	2779.4	2176.1	2158.9	2216.1	2090.3	1910.1	1818.6
26169.9	62.5°	24362.7	20768.3	8063.7	2276.1	2027.4	2033.1	2098.9	1975.9	1792.9	1707.1
26733.2	65°	24319.8	20259.3	6519.6	1947.3	1884.4	1890.1	1975.9	1850.1	1695.7	1644.2
26450.1	67.5°	23459.1	19018.3	5001.2	1732.8	1727.1	1752.9	1852.9	1764.3	1635.6	1629.9
24763.0	70°	21128.6	16442.0	3602.9	1561.3	1564.1	1601.3	1732.8	1710.0	1604.2	1615.6
20819.8	72.5°	16942.4	12535.9	2419.1	1381.1	1384.0	1444.0	1618.5	1667.1	1572.7	1724.3
14772.0	75°	11283.5	7817.8	1555.6	1189.5	1192.4	1269.6	1518.4	1584.1	1486.9	1718.5
7686.3	77.5°	5421.6	3514.3	1126.6	1000.8	1000.8	1072.3	1312.5	1418.3	1266.7	1335.4
2470.6	80°	1873.0	1321.1	886.4	806.4	789.2	837.8	1106.6	1229.6	1092.3	1006.5
806.4	82.5°	737.7	686.3	712.0	626.2	569.0	600.5	860.7	1015.1	803.5	726.3
454.7	85°	423.2	446.1	503.3	414.6	328.8	368.9	631.9	729.2	606.2	534.7
148.7	87.5°	114.4	157.3	231.6	214.5	148.7	157.3	300.2	403.2	348.9	268.8
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°
6036.3
6190.8
6436.7
6734.1
7008.6
7105.8
7108.6
6982.8
6688.3
6270.8
5833.3
5433.0
5078.4
4635.2
4137.7
3643.0
3199.7
2828.0
2459.1
2250.4
2118.9
2027.4
1964.5
1895.8
1778.6
1681.4
1641.3
1638.5
1612.7
1747.1
1732.8
1223.9
943.6
723.4
546.2
277.4
0.0

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