

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: P850418

Luminaire Tested: **GLAN-SB7D-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850418
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-SB7D-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48856 lumens
Efficiency: N/A
Efficacy: 95.3 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

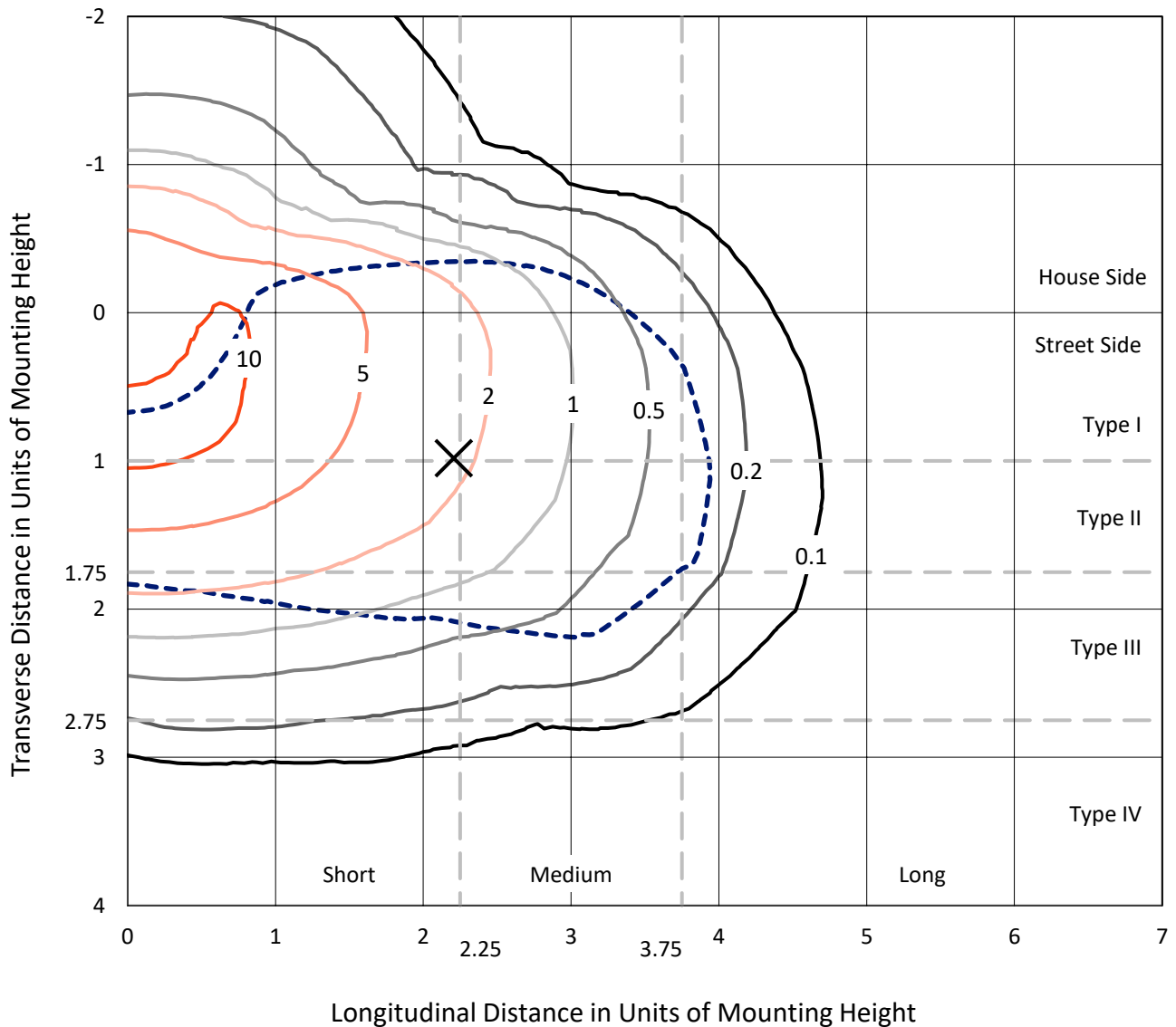
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

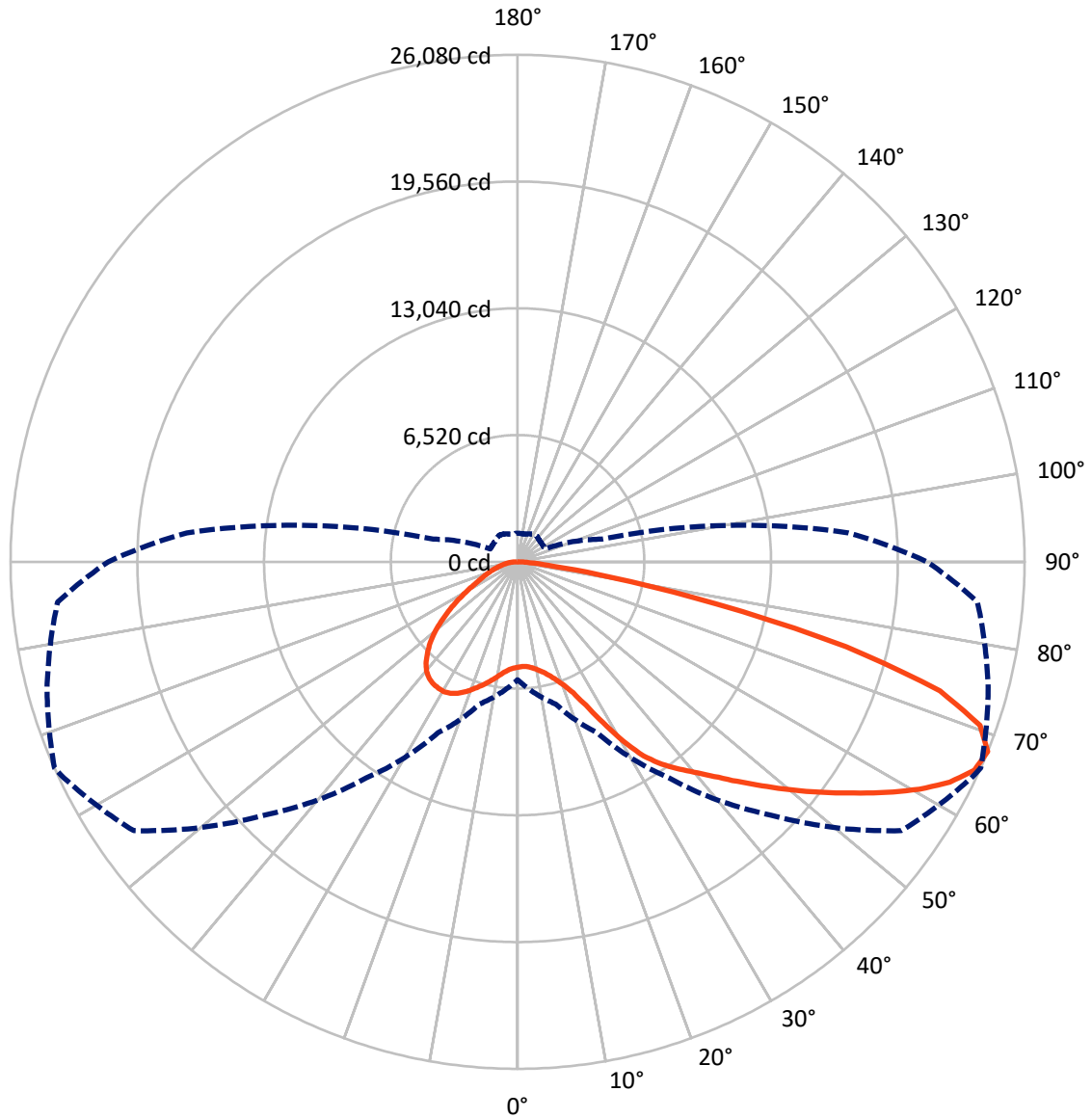
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 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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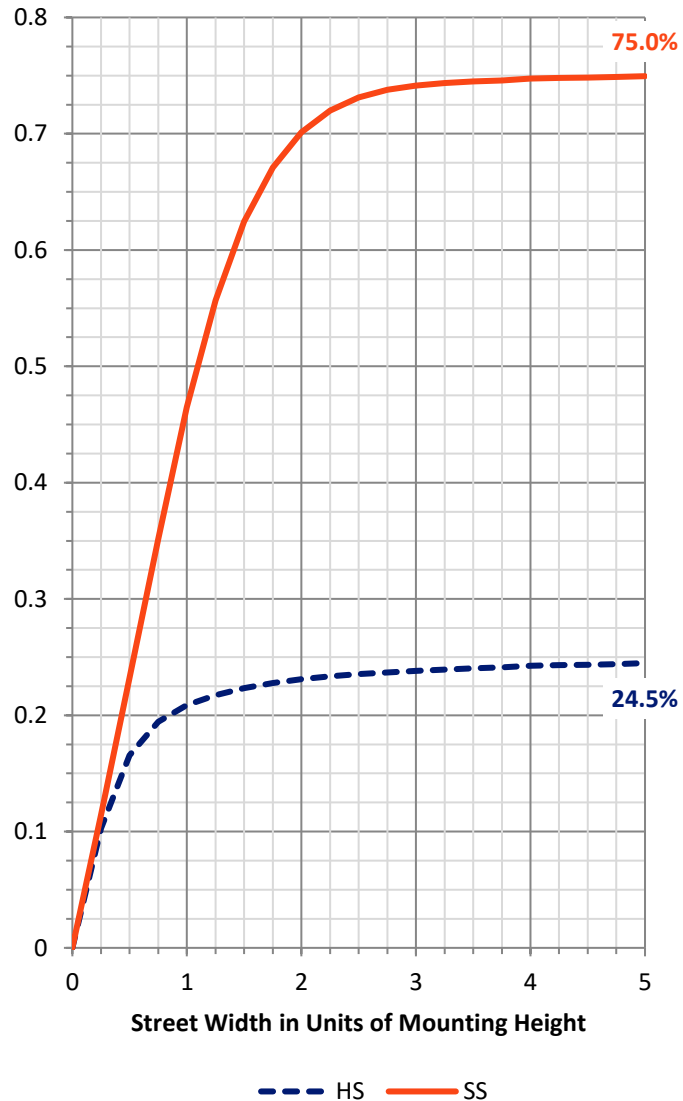
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12147.9	0.0	12147.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	36708.1	0.0	36708.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	48856.0	0.0	48856.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.2	1.1
10°-20°	1775.0	3.6
20°-30°	3421.2	7.0
30°-40°	5998.7	12.3
40°-50°	8918.0	18.3
50°-60°	11304.5	23.1
60°-70°	11061.2	22.6
70°-80°	5276.3	10.8
80°-90°	563.9	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°	48856.0	100.0
0°-180°	48856.0	100.0

Coefficient of Utilization

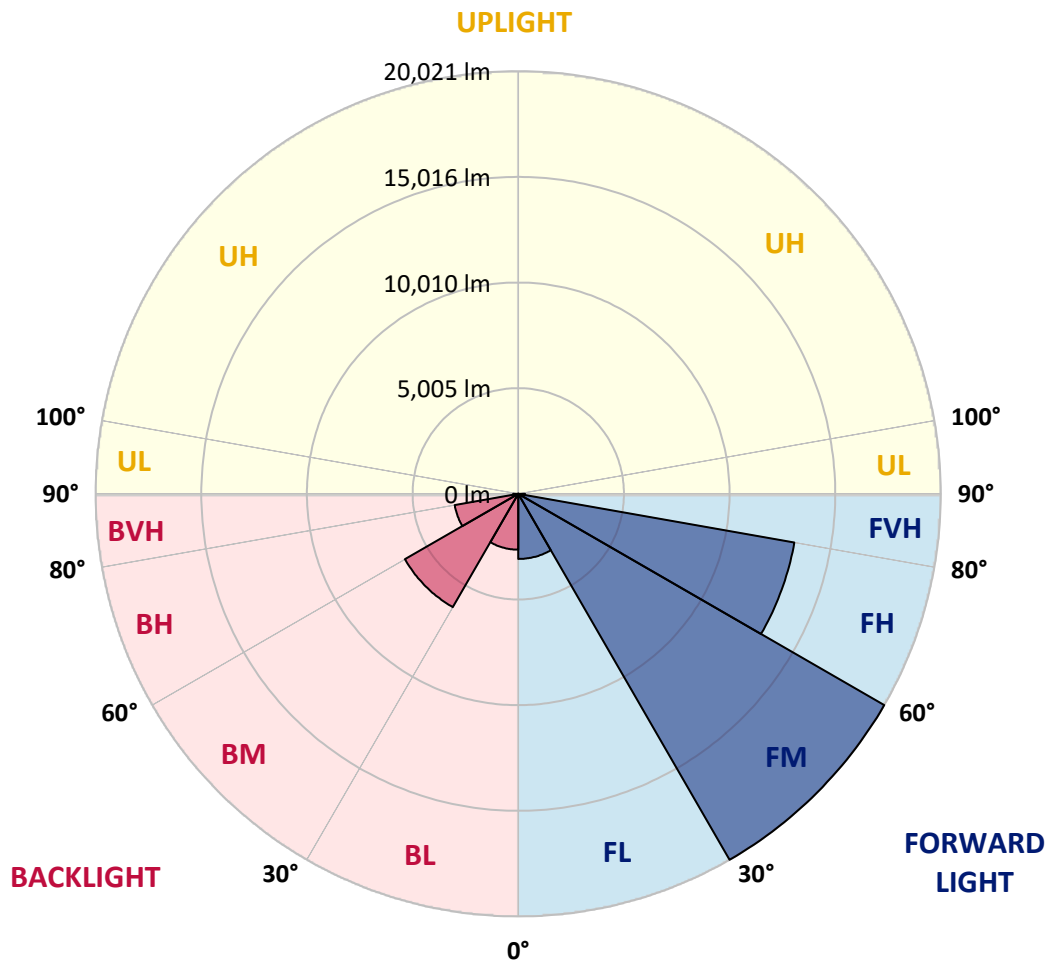


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3087.2	6.3			
FM (30°-60°)	20020.8	41.0			
FH (60°-80°)	13280.4	27.2			G5
FVH (80°-90°)	319.7	0.7			G3/500
BL (0°-30°)	2646.3	5.4	B4/5000		
BM (30°-60°)	6200.4	12.7	B4/8500		
BH (60°-80°)	3057.0	6.3	B4/5000		G4/5000
BVH (80°-90°)	244.2	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°	5418.8	5418.8	5418.8	5418.8	5418.8	5418.8	5418.8	5418.8	5418.8	5418.8
2.5°	5362.3	5393.1	5385.4	5372.6	5370.0	5375.1	5382.8	5390.5	5388.0	5400.8
5°	5346.9	5377.7	5375.1	5375.1	5385.4	5405.9	5418.8	5431.6	5418.8	5434.2
7.5°	5357.2	5380.3	5390.5	5400.8	5426.5	5465.0	5495.8	5524.0	5508.6	5526.6
10°	5488.1	5506.1	5516.3	5516.3	5534.3	5577.9	5608.7	5660.1	5647.2	5675.5
12.5°	5726.8	5744.8	5744.8	5734.5	5747.3	5775.6	5785.8	5842.3	5819.2	5865.4
15°	6019.4	6055.4	6027.1	6009.2	6014.3	6042.5	6040.0	6083.6	6060.5	6099.0
17.5°	6342.9	6389.1	6342.9	6340.3	6330.0	6360.8	6363.4	6401.9	6360.8	6389.1
20°	6725.3	6789.5	6751.0	6763.8	6740.7	6753.6	6766.4	6822.9	6758.7	6779.2
22.5°	7264.4	7341.4	7300.3	7349.1	7333.7	7323.4	7320.9	7421.0	7320.9	7328.6
25°	8049.9	8142.3	8070.4	8137.1	8137.1	8170.5	8209.0	8337.4	8170.5	8121.7
27.5°	9210.1	9302.5	9161.4	9202.4	9189.6	9271.7	9230.7	9549.0	9369.3	9289.7
30°	10606.5	10770.8	10503.9	10493.6	10480.7	10611.7	10670.7	10881.2	10698.9	10619.4
32.5°	12115.9	12287.9	11969.6	11877.2	11828.4	11908.0	11859.2	12028.6	11902.8	11779.6
35°	13712.5	13881.9	13579.0	13399.3	13204.3	13037.4	12862.9	12906.5	12788.4	12601.0
37.5°	15221.9	15532.5	15211.6	15019.1	14659.7	14333.7	13846.0	13643.2	13532.8	13360.8
40°	16759.4	16936.6	16692.7	16528.4	16138.2	15627.4	14847.1	14418.4	14269.5	14102.7
42.5°	17891.5	18060.9	17930.0	17817.0	17511.6	16918.6	15909.8	15373.3	15157.7	14970.3
45°	18789.9	18915.7	18833.5	18874.6	18743.7	18168.7	17011.0	16397.5	16174.2	15945.7
47.5°	19151.8	19285.3	19416.2	19660.1	19883.4	19459.8	18194.4	17506.4	17270.3	17036.7
50°	19110.7	19246.8	19626.7	20145.2	20838.3	20697.1	19441.9	18687.2	18469.0	18202.1
52.5°	18782.2	18936.2	19423.9	20286.4	21390.2	21623.8	20712.5	19906.5	19701.1	19382.8
55°	17919.7	18012.1	18743.7	19965.5	21521.1	22270.6	21957.5	21205.4	21000.0	20555.9
57.5°	16320.5	16454.0	17519.3	19100.5	21192.5	22709.6	23051.0	22571.0	22373.3	21734.1
60°	14233.6	14446.6	15665.9	17647.6	20355.7	22707.0	24044.4	23913.5	23749.2	22894.4
62.5°	11872.0	12118.4	13291.5	15594.1	18892.6	22062.7	24665.6	25037.8	24953.1	23964.8
65°	9117.7	9287.1	10455.1	12937.3	16615.7	20679.1	24737.4	25805.3	25820.7	24778.5
67.5°	6070.8	6558.5	7572.4	9708.1	13566.2	18417.7	24106.0	25931.1	26079.9	25058.3
70°	2962.2	3604.0	4597.4	6309.5	9708.1	14949.8	22455.4	24899.2	25230.3	24242.0
72.5°	1229.6	1437.5	1979.1	3113.7	5572.8	10088.0	19139.0	22101.2	22714.7	21480.0
75°	829.1	898.4	1132.0	1596.6	2538.7	4974.7	13802.3	16479.7	17467.9	16223.0
77.5°	639.2	682.8	824.0	1116.6	1509.4	1881.6	7387.6	9931.4	10442.2	9667.0
80°	503.1	536.5	616.1	813.7	1070.4	1006.2	2518.2	4499.8	4795.0	4022.4
82.5°	436.4	449.2	441.5	551.9	711.0	587.8	826.5	1660.8	1832.8	1329.7
85°	315.7	351.7	367.1	341.4	377.3	297.8	338.8	587.8	646.9	577.6
87.5°	128.3	190.0	233.6	220.8	138.6	84.7	105.2	172.0	197.7	215.6
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°
5418.8	0°	5418.8	5418.8	5418.8	5418.8	5418.8	5418.8	5418.8	5418.8	5418.8	5418.8
5421.3	2.5°	5423.9	5441.9	5454.7	5470.1	5480.4	5495.8	5526.6	5544.6	5547.1	5560.0
5462.4	5°	5472.7	5498.4	5526.6	5567.7	5613.9	5652.4	5711.4	5752.5	5767.9	5780.7
5562.5	7.5°	5577.9	5613.9	5665.2	5737.1	5803.8	5855.2	5927.0	5975.8	6024.6	6042.5
5721.7	10°	5734.5	5785.8	5860.3	5957.8	6029.7	6096.4	6170.9	6212.0	6260.7	6281.3
5911.6	12.5°	5929.6	5983.5	6081.0	6217.1	6283.8	6330.0	6355.7	6345.4	6355.7	6373.7
6140.1	15°	6152.9	6212.0	6322.3	6468.6	6514.9	6473.8	6417.3	6366.0	6358.3	6363.4
6417.3	17.5°	6417.3	6460.9	6589.3	6712.5	6679.1	6509.7	6386.5	6304.4	6263.3	6250.5
6771.5	20°	6786.9	6786.9	6892.2	6969.2	6745.9	6458.4	6265.9	6132.4	6047.7	6011.7
7254.1	22.5°	7236.2	7195.1	7261.8	7207.9	6733.0	6314.6	6047.7	5816.6	5688.3	5637.0
7929.2	25°	7806.0	7757.2	7739.3	7405.6	6640.6	6086.2	5652.4	5372.6	5259.6	5231.4
8902.1	27.5°	8665.9	8542.7	8309.1	7513.4	6471.2	5726.8	5190.3	4931.1	4866.9	4869.5
10152.2	30°	9810.8	9564.4	8991.9	7531.4	6194.0	5218.6	4718.0	4533.2	4502.4	4515.2
11202.1	32.5°	10870.9	10637.3	9690.1	7449.2	5767.9	4720.6	4294.5	4171.3	4125.0	4140.4
12002.9	35°	11702.6	11638.4	10337.0	7333.7	5244.2	4253.4	3914.6	3809.3	3719.5	3698.9
12757.6	37.5°	12488.1	12462.4	10822.2	7172.0	4725.7	3922.3	3609.1	3470.5	3339.6	3267.7
13591.9	40°	13350.6	13324.9	11140.4	6923.0	4266.2	3634.8	3334.4	3152.2	2990.5	2859.6
14536.5	42.5°	14320.9	14169.4	11291.9	6566.2	3876.1	3390.9	3111.1	2864.7	2651.6	2531.0
15604.3	45°	15381.0	15039.6	11289.3	6111.8	3547.5	3167.6	2872.4	2523.3	2325.6	2212.7
16700.4	47.5°	16505.3	15871.3	11150.7	5608.7	3229.2	2921.2	2502.8	2235.8	2104.9	2035.6
17891.5	50°	17665.6	16649.1	10914.6	5031.2	2903.2	2641.4	2271.7	2089.5	1989.4	1925.2
19072.2	52.5°	18756.5	17355.0	10629.6	4376.6	2572.1	2369.3	2169.1	2027.9	1922.6	1850.8
20217.1	55°	19770.4	17963.3	10226.6	3706.6	2302.5	2187.0	2120.3	2002.2	1881.6	1796.8
21379.9	57.5°	20671.4	18358.6	9531.0	3077.7	2110.0	2061.2	2068.9	1958.6	1819.9	1748.1
22524.8	60°	21421.0	18648.7	8501.7	2495.0	1953.4	1938.0	1989.4	1876.4	1714.7	1632.6
23492.5	62.5°	21870.2	18643.6	7238.7	2043.3	1819.9	1825.1	1884.1	1773.7	1609.5	1532.5
23998.2	65°	21831.7	18186.7	5852.6	1748.1	1691.6	1696.7	1773.7	1660.8	1522.2	1476.0
23744.0	67.5°	21059.0	17072.6	4489.5	1555.6	1550.4	1573.5	1663.4	1583.8	1468.3	1463.1
22229.6	70°	18967.0	14759.8	3234.3	1401.5	1404.1	1437.5	1555.6	1535.0	1440.0	1450.3
18689.8	72.5°	15209.0	11253.4	2171.6	1239.8	1242.4	1296.3	1452.9	1496.5	1411.8	1547.9
13260.7	75°	10129.1	7018.0	1396.4	1067.8	1070.4	1139.7	1363.0	1422.1	1334.8	1542.7
6899.9	77.5°	4866.9	3154.7	1011.4	898.4	898.4	962.6	1178.2	1273.2	1137.1	1198.8
2217.8	80°	1681.3	1185.9	795.7	723.9	708.5	752.1	993.4	1103.8	980.6	903.6
723.9	82.5°	662.3	616.1	639.2	562.2	510.8	539.1	772.6	911.3	721.3	652.0
408.1	85°	379.9	400.4	451.8	372.2	295.2	331.1	567.3	654.6	544.2	480.0
133.5	87.5°	102.7	141.2	207.9	192.5	133.5	141.2	269.5	361.9	313.2	241.3
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>
5418.8
5557.4
5778.1
6045.1
6291.5
6378.8
6381.4
6268.4
6004.0
5629.3
5236.5
4877.2
4558.9
4161.0
3714.3
3270.3
2872.4
2538.7
2207.6
2020.2
1902.1
1819.9
1763.5
1701.9
1596.6
1509.4
1473.4
1470.8
1447.7
1568.4
1555.6
1098.6
847.1
649.4
490.3
249.0
0.0

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