

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: P853218

Luminaire Tested: **GLAN-SB9C-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41179 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

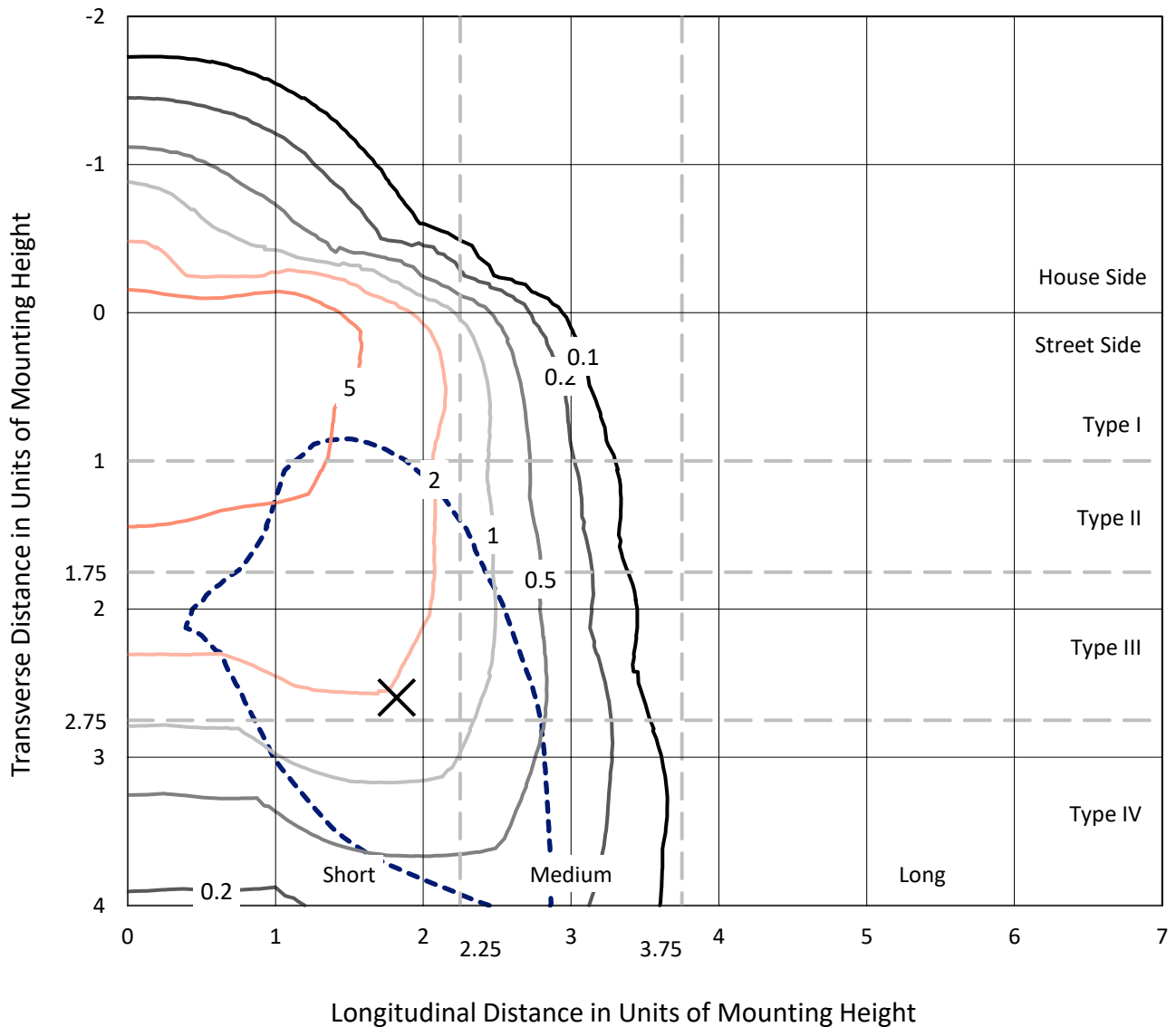
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

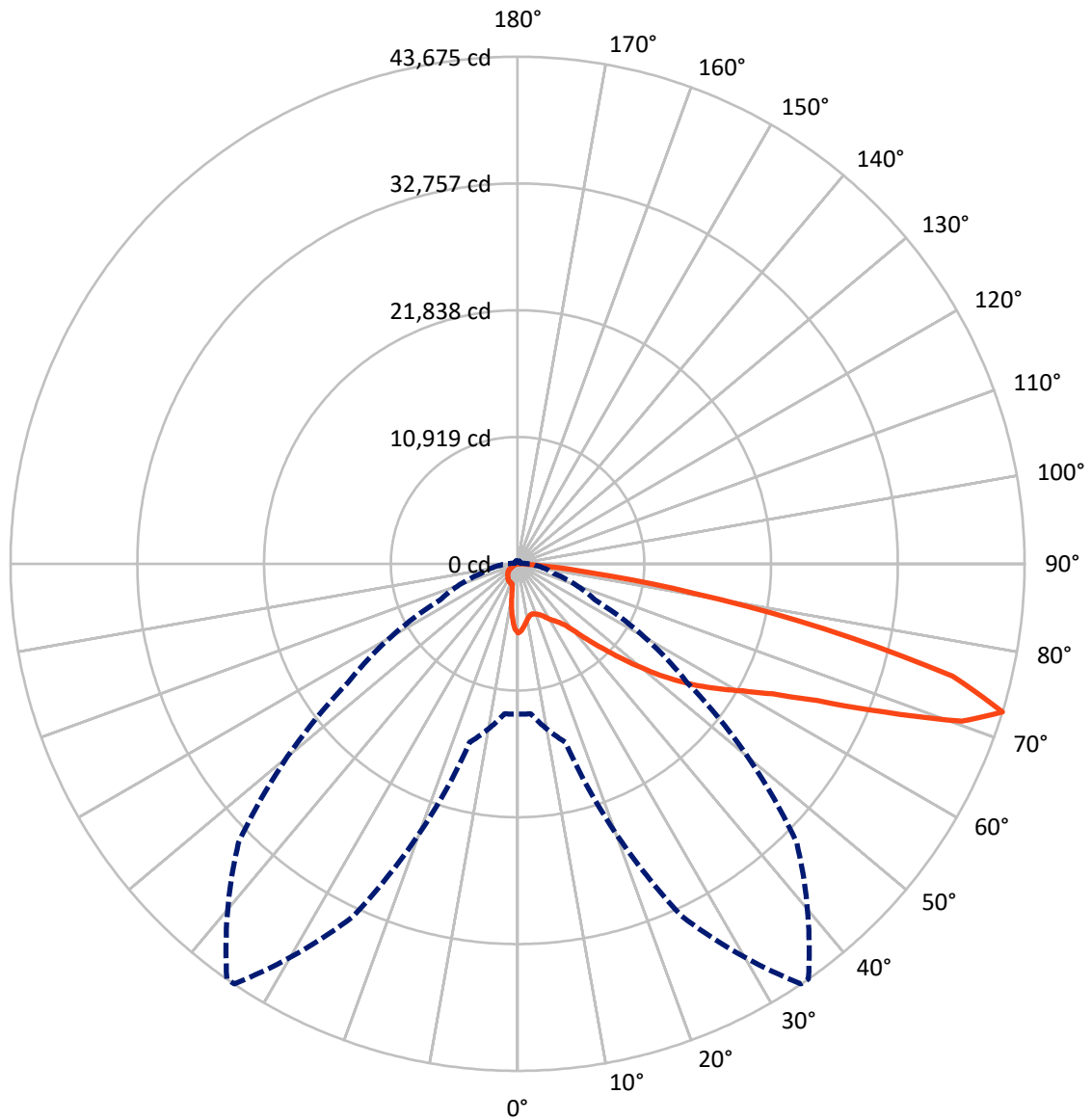
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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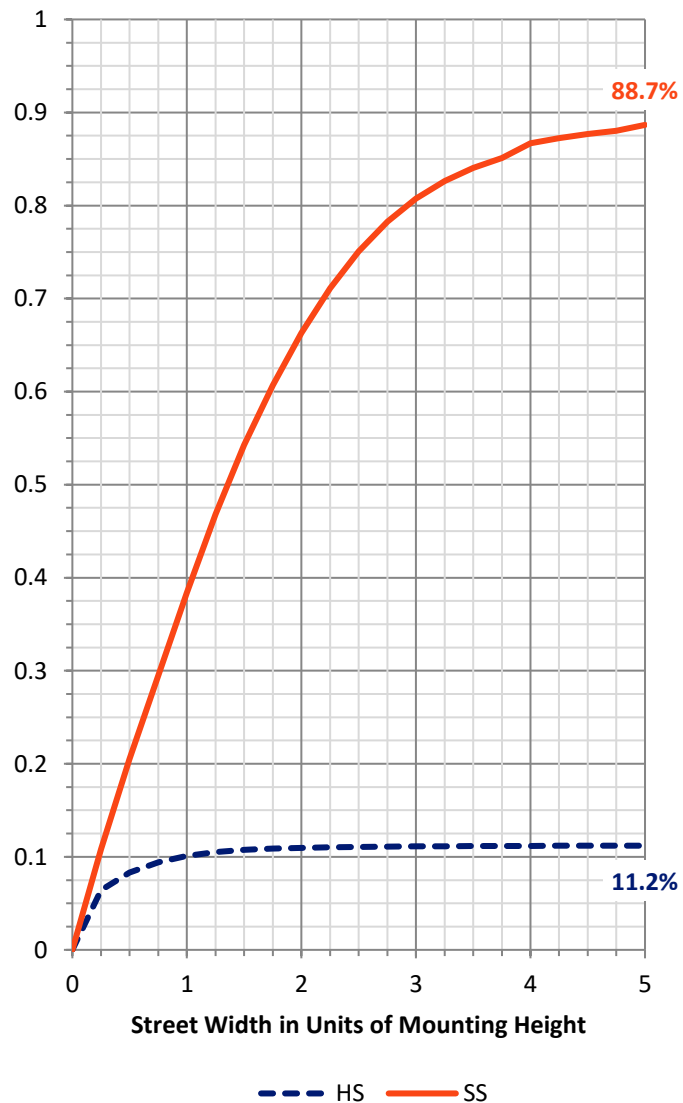
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4634.5	0.0	4634.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	36544.5	0.0	36544.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	41179.0	0.0	41179.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.4	1.2
10°-20°	1147.3	2.8
20°-30°	1863.8	4.5
30°-40°	3109.7	7.6
40°-50°	5883.6	14.3
50°-60°	9348.9	22.7
60°-70°	11565.3	28.1
70°-80°	7189.1	17.5
80°-90°	581.0	1.4
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°	41179.0	100.0
0°-180°	41179.0	100.0

Coefficient of Utilization



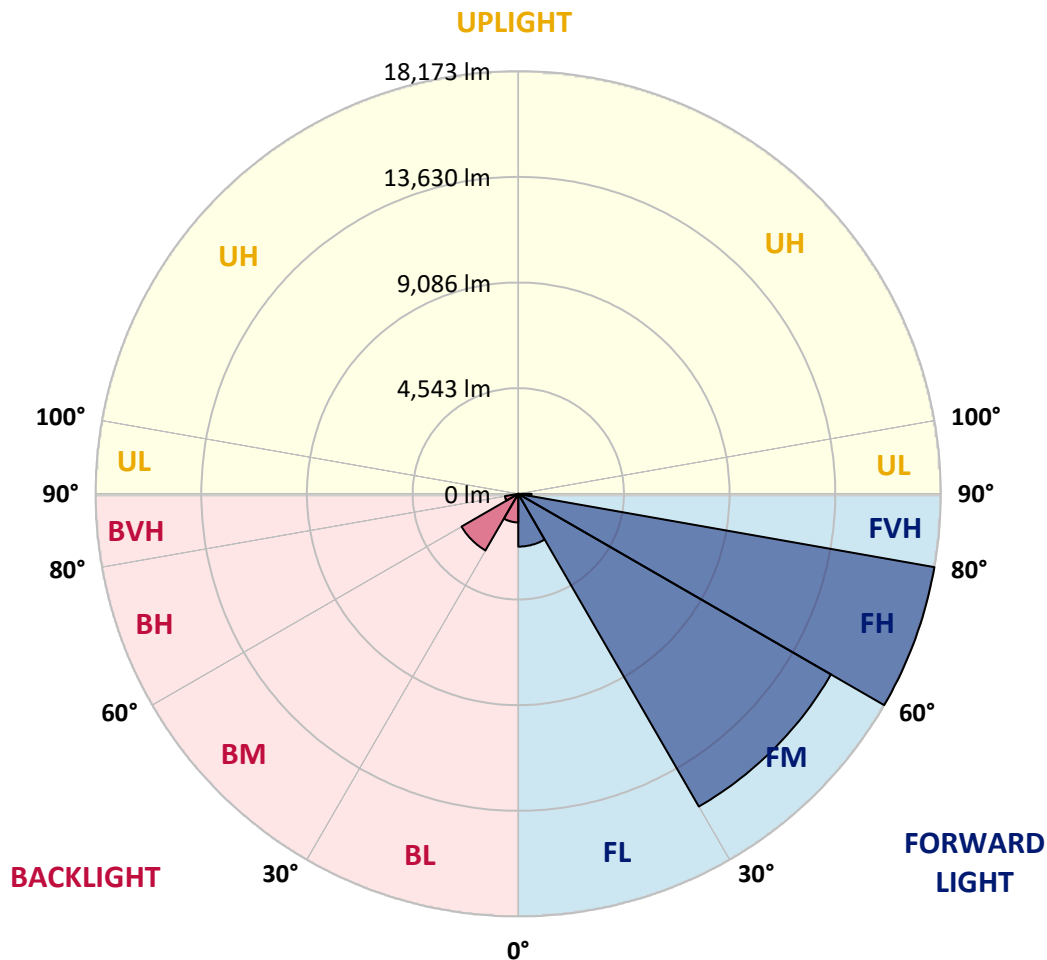
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2270.0	5.5			
FM (30°-60°)	15528.6	37.7			
FH (60°-80°)	18172.8	44.1			G5
FVH (80°-90°)	573.1	1.4			G4/750
BL (0°-30°)	1231.5	3.0	B3/2500		
BM (30°-60°)	2813.6	6.8	B3/5000		
BH (60°-80°)	581.6	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2
2.5°	5702.7	5751.0	5760.0	5775.1	5775.1	5793.2	5823.4	5865.6	5935.0	5971.2
5°	5256.1	5292.3	5337.6	5373.8	5443.2	5452.3	5569.9	5684.6	5844.5	5965.2
7.5°	4806.6	4848.8	4909.1	4996.6	5087.2	5114.3	5292.3	5485.4	5738.9	5965.2
10°	4489.7	4492.8	4547.1	4634.6	4779.4	4812.6	5029.8	5304.4	5621.2	5929.0
12.5°	4311.7	4332.8	4357.0	4423.4	4562.2	4583.3	4815.6	5138.5	5503.6	5907.9
15°	4311.7	4326.8	4341.9	4375.1	4486.7	4504.8	4710.0	5032.9	5443.2	5916.9
17.5°	4357.0	4381.1	4369.0	4408.3	4525.9	4538.0	4719.1	5002.7	5440.2	5974.3
20°	4465.6	4483.7	4459.6	4483.7	4601.4	4625.5	4812.6	5060.0	5491.5	6073.8
22.5°	4637.6	4646.6	4589.3	4607.4	4728.1	4758.3	4975.5	5222.9	5615.2	6233.7
25°	4854.8	4872.9	4785.4	4806.6	4921.2	4957.4	5207.9	5467.3	5811.3	6454.0
27.5°	5105.3	5114.3	5038.9	5035.9	5183.7	5235.0	5488.5	5769.1	6073.8	6731.6
30°	5391.9	5419.1	5346.7	5334.6	5521.7	5563.9	5814.3	6140.2	6460.0	7148.0
32.5°	5618.2	5639.3	5597.1	5627.3	5817.4	5850.5	6209.6	6665.2	7066.5	7739.4
35°	5944.1	5956.1	5859.6	5913.9	6131.2	6215.6	6749.7	7401.4	7829.9	8481.6
37.5°	7123.8	7123.8	6713.5	6445.0	6653.1	6728.6	7488.9	8327.7	8771.3	9477.3
40°	8756.2	8729.0	8128.6	7579.5	7552.3	7700.1	8542.0	9495.4	9987.3	10672.2
42.5°	10497.2	10454.9	9637.3	9094.1	9003.6	9054.9	9757.9	10934.7	11435.6	12129.5
45°	12042.0	12030.0	11281.7	10551.5	10388.6	10551.5	11275.6	12618.3	12977.4	13707.6
47.5°	13336.5	13336.5	12790.3	12313.6	12229.1	12325.7	13330.4	14486.1	14452.9	15388.2
50°	14827.0	14814.9	14296.0	14090.8	14178.3	14314.1	15696.0	16453.3	15979.6	17038.7
52.5°	15871.0	15943.4	15765.4	15732.2	16178.8	16414.1	18097.8	18378.4	17346.5	18604.7
55°	16697.7	16782.2	16987.4	17219.7	18079.7	18387.4	20424.1	20203.8	18490.0	19962.5
57.5°	17868.4	17747.8	18064.6	18523.2	19914.2	20285.3	22678.0	21926.7	19410.3	21063.8
60°	19289.6	19307.7	19362.0	19941.3	21745.7	22222.4	24898.8	23556.1	20001.7	21739.6
62.5°	20997.4	21024.5	21136.2	22026.3	24204.8	24654.4	27264.3	24889.7	20273.2	21549.6
65°	20879.7	20994.4	22240.5	25285.0	27943.2	28386.8	30025.1	25825.1	19862.9	19811.6
67.5°	19021.1	19208.1	21293.1	29177.3	33579.5	34074.4	33362.3	26009.1	18091.7	15406.3
70°	16583.1	16649.5	19156.8	32677.3	40105.9	40606.8	36349.4	23984.5	13728.7	8593.3
72.5°	12950.2	12965.3	15907.2	33489.0	43648.2	43675.4	34005.0	17805.1	7383.3	3300.9
75°	9251.0	9160.5	10654.1	27158.7	38401.2	38708.9	25493.2	8351.9	2821.2	1559.9
77.5°	4960.4	5060.0	6028.6	16106.3	26528.1	27053.1	13909.7	2407.8	1436.2	1062.1
80°	1532.8	1617.3	2471.2	7374.3	15026.1	15343.0	5156.6	1071.1	1001.7	757.3
82.5°	482.8	500.9	1152.6	3098.8	6236.8	6381.6	1493.6	606.5	684.9	500.9
85°	138.8	141.8	512.9	1155.6	1541.8	1572.0	419.4	235.3	392.2	310.8
87.5°	15.1	48.3	193.1	193.1	135.8	132.8	45.3	51.3	111.6	39.2
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°
5968.2	0°	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2	5968.2
5995.4	2.5°	5980.3	5983.3	5944.1	5877.7	5805.3	5744.9	5669.5	5609.2	5566.9	5554.8
6049.7	5°	6022.5	6001.4	5889.8	5687.6	5446.2	5238.0	5005.7	4821.6	4701.0	4649.7
6107.0	7.5°	6085.9	6025.5	5781.1	5382.9	4921.2	4510.9	4094.5	3771.6	3566.4	3463.9
6161.3	10°	6140.2	6019.5	5600.1	4942.3	4236.3	3614.7	3053.5	2664.3	2447.0	2344.4
6224.7	12.5°	6191.5	6016.5	5364.8	4420.3	3463.9	2703.5	2181.5	1988.4	1928.1	1906.9
6327.3	15°	6288.1	6025.5	5069.1	3822.9	2694.4	2042.7	1852.6	1849.6	1861.7	1855.6
6484.2	17.5°	6420.8	6034.6	4734.1	3189.3	2078.9	1801.3	1792.3	1819.4	1837.5	1828.5
6680.3	20°	6592.8	6070.8	4378.1	2561.7	1786.2	1741.0	1762.1	1786.2	1801.3	1786.2
6942.8	22.5°	6834.2	6134.2	3988.9	2057.8	1692.7	1704.8	1722.9	1750.0	1765.1	1744.0
7277.7	25°	7129.9	6233.7	3605.7	1789.3	1647.4	1662.5	1689.7	1719.9	1738.0	1716.8
7700.1	27.5°	7513.1	6393.7	3252.6	1728.9	1602.2	1611.2	1650.5	1695.7	1719.9	1692.7
8300.6	30°	8068.3	6656.2	2947.9	1756.1	1575.0	1553.9	1608.2	1671.6	1698.7	1674.6
9118.3	32.5°	8804.5	7027.3	2760.8	1798.3	1563.0	1487.5	1538.8	1620.3	1665.5	1650.5
10186.4	35°	9770.0	7591.5	2688.4	1846.6	1553.9	1418.1	1454.3	1541.8	1620.3	1635.4
11532.1	37.5°	10940.7	8376.0	2709.5	1867.7	1526.8	1360.8	1378.9	1454.3	1556.9	1605.2
13046.8	40°	12271.4	9290.3	2830.2	1846.6	1496.6	1312.5	1315.5	1372.9	1463.4	1535.8
14676.1	42.5°	13644.2	10358.4	3053.5	1768.1	1469.4	1270.3	1261.2	1300.5	1360.8	1412.1
16302.5	45°	14950.7	11456.7	3273.8	1659.5	1436.2	1228.0	1206.9	1222.0	1234.1	1255.2
17886.5	47.5°	16091.3	12229.1	3210.4	1559.9	1391.0	1179.8	1143.6	1137.5	1101.3	1098.3
19301.7	50°	16878.8	12398.1	2851.3	1460.4	1324.6	1125.5	1068.1	1031.9	968.6	938.4
20360.7	52.5°	17129.2	11731.3	2329.4	1360.8	1216.0	1053.0	971.6	914.2	835.8	808.6
20970.2	55°	16797.3	10424.8	1861.7	1240.1	1065.1	956.5	866.0	790.5	727.2	694.0
21036.6	57.5°	15985.7	8762.2	1472.4	1098.3	905.2	847.9	757.3	681.9	627.6	594.4
20300.4	60°	14639.9	6957.9	1164.7	929.3	772.4	730.2	636.7	588.4	540.1	500.9
18399.5	62.5°	12597.2	4966.5	914.2	736.2	645.7	597.4	543.1	506.9	449.6	395.3
14980.9	65°	9830.4	3038.4	706.0	540.1	519.0	494.8	461.6	428.5	359.1	304.7
9773.0	67.5°	6200.5	1439.3	503.9	407.3	410.4	398.3	383.2	356.0	304.7	256.5
4378.1	70°	2730.7	697.0	331.9	310.8	304.7	304.7	316.8	307.8	259.5	214.2
1520.7	72.5°	929.3	374.1	247.4	235.3	220.3	217.2	265.5	256.5	208.2	166.0
757.3	75°	485.8	250.4	181.0	169.0	132.8	159.9	211.2	199.1	147.8	108.6
500.9	77.5°	316.8	178.0	123.7	108.6	75.4	105.6	156.9	138.8	87.5	54.3
328.9	80°	199.1	117.7	72.4	51.3	36.2	57.3	84.5	60.3	33.2	12.1
193.1	82.5°	105.6	60.3	27.2	18.1	15.1	18.1	21.1	15.1	6.0	0.0
99.6	85°	42.2	21.1	9.1	6.0	3.0	0.0	6.0	3.0	0.0	0.0
18.1	87.5°	15.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

180°
5968.2
5576.0
4667.8
3478.9
2347.5
1900.9
1852.6
1825.5
1783.2
1741.0
1713.8
1692.7
1671.6
1650.5
1635.4
1617.3
1559.9
1433.2
1267.3
1095.3
941.4
805.6
694.0
588.4
491.8
386.2
295.7
250.4
205.2
156.9
99.6
48.3
9.1
0.0
0.0
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0.0

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