

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: P850867

Luminaire Tested: **GLAN-SB8C-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37868 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

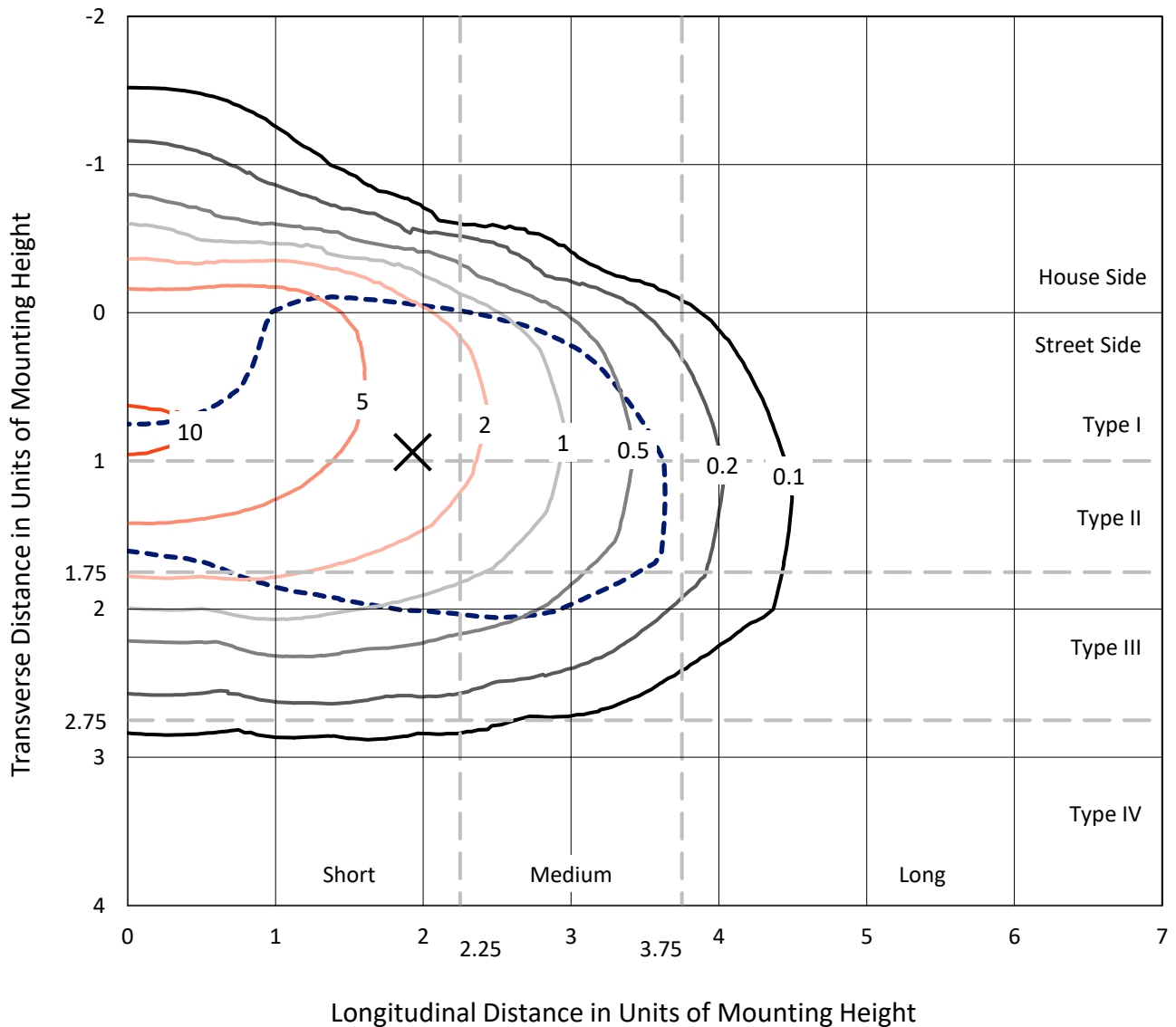
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

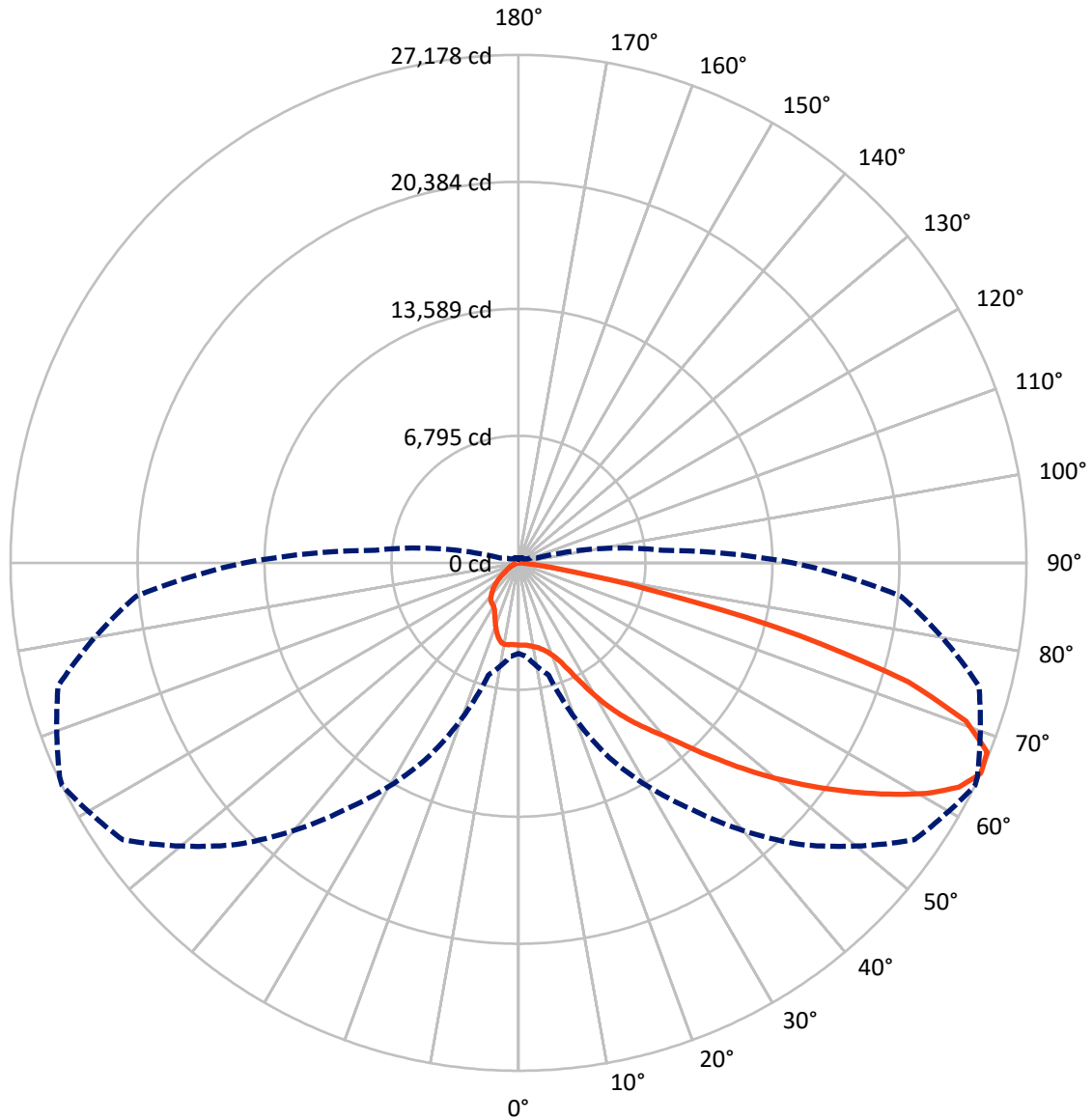
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5064.1	0.0	5064.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	32803.9	0.0	32803.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	37868.0	0.0	37868.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.4	1.1
10°-20°	1102.2	2.9
20°-30°	2088.5	5.5
30°-40°	4226.1	11.2
40°-50°	7199.2	19.0
50°-60°	9790.3	25.9
60°-70°	9193.6	24.3
70°-80°	3683.4	9.7
80°-90°	178.4	0.5
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°	37868.0	100.0
0°-180°	37868.0	100.0

Coefficient of Utilization



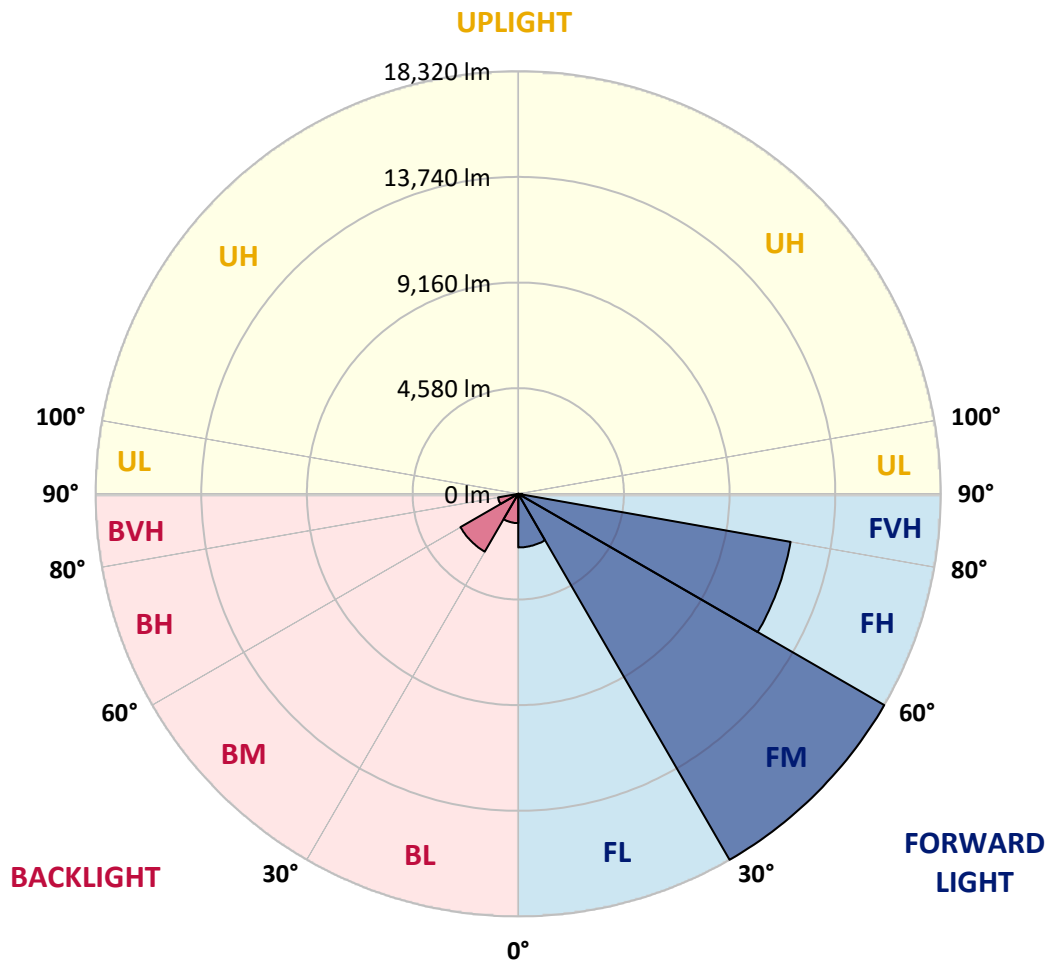
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2325.5	6.1			
FM (30°-60°)	18320.5	48.4			
FH (60°-80°)	11988.1	31.7			G4/12000
FVH (80°-90°)	169.7	0.4			G2/225
BL (0°-30°)	1271.4	3.4	B3/2500		
BM (30°-60°)	2895.1	7.6	B3/5000		
BH (60°-80°)	888.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.7	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4
2.5°	4389.2	4419.7	4412.1	4404.4	4401.9	4407.0	4409.5	4407.0	4407.0	4407.0
5°	4305.4	4330.8	4330.8	4348.6	4374.0	4404.4	4427.3	4432.4	4437.4	4445.1
7.5°	4145.5	4165.8	4181.0	4239.4	4302.9	4384.1	4452.7	4488.2	4493.3	4521.2
10°	4036.3	4061.7	4087.1	4148.0	4239.4	4361.3	4478.1	4564.4	4577.1	4643.1
12.5°	4031.3	4056.7	4089.7	4155.7	4262.3	4391.7	4533.9	4658.3	4681.1	4777.6
15°	4084.6	4115.0	4145.5	4226.7	4341.0	4498.4	4650.7	4805.5	4828.4	4965.5
17.5°	4193.7	4234.4	4257.2	4338.4	4460.3	4635.5	4836.0	5013.7	5034.0	5193.9
20°	4409.5	4457.8	4465.4	4531.4	4650.7	4838.5	5077.2	5298.0	5323.4	5506.2
22.5°	4856.3	4924.9	4863.9	4896.9	5003.5	5191.4	5450.3	5729.6	5765.1	5973.3
25°	5643.3	5739.7	5582.3	5526.5	5572.2	5767.7	6092.6	6445.5	6486.1	6653.6
27.5°	7189.3	7064.9	6826.2	6592.7	6455.6	6567.3	6932.9	7369.5	7420.3	7582.7
30°	8887.6	8778.4	8456.0	7938.1	7613.2	7595.4	7933.1	8420.5	8478.9	8633.7
32.5°	10588.4	10484.3	10134.0	9496.8	8933.3	8654.0	8887.6	9428.3	9458.8	9557.8
35°	12261.4	12154.7	11804.4	11152.0	10459.0	9824.3	9778.6	10387.9	10398.0	10502.1
37.5°	13944.4	13855.6	13482.4	12842.7	12159.8	11284.0	10860.1	11296.7	11309.4	11410.9
40°	15145.2	15183.3	14926.9	14431.8	13845.4	12888.4	12073.5	12263.9	12187.7	12357.8
42.5°	16175.9	16252.0	16028.6	15779.8	15439.7	14596.9	13576.3	13543.3	13421.5	13512.9
45°	17066.9	17130.4	16929.8	16871.4	16863.8	16272.3	15218.8	15020.8	14850.7	14832.9
47.5°	17394.4	17516.2	17602.5	17798.0	18178.8	17930.0	16917.1	16609.9	16419.6	16279.9
50°	17518.8	17648.2	17942.7	18511.3	19412.5	19519.2	18607.8	18262.6	18029.0	17775.2
52.5°	17351.2	17582.2	17978.2	18935.3	20242.7	20793.5	20230.0	19927.9	19661.3	19247.5
55°	16363.7	16594.7	17404.5	18930.2	20656.5	21687.1	21763.3	21628.7	21329.2	20676.8
57.5°	14282.1	14624.8	15906.8	18285.4	20648.8	22456.3	23266.1	23362.6	23027.5	22093.3
60°	11398.2	11862.8	13426.6	16856.2	20011.7	22872.6	24583.6	25066.0	24710.6	23489.5
62.5°	7953.4	8491.6	9971.6	14617.2	18554.5	22573.1	25545.8	26436.8	26167.7	24738.5
65°	4851.2	5023.9	6217.0	11502.3	16076.8	21319.0	25842.8	27178.1	27089.2	25502.6
67.5°	3231.6	3376.3	3719.0	7887.4	12479.7	18813.4	25132.0	27048.6	27074.0	25378.2
70°	1947.1	2071.5	2294.9	4587.2	8087.9	14891.3	22931.0	25398.5	25545.8	23715.4
72.5°	802.2	886.0	1089.1	2079.1	4188.7	9451.1	18260.0	21806.4	22149.1	19940.6
75°	454.4	497.6	639.7	1043.4	1817.6	4404.4	11060.6	15480.3	15985.5	13743.9
77.5°	302.1	322.4	413.8	675.3	1023.0	1502.8	4726.8	8065.1	9029.7	7506.6
80°	203.1	220.9	284.3	451.9	665.1	644.8	1505.4	2987.9	3675.9	2579.2
82.5°	137.1	139.6	203.1	297.0	421.4	312.2	444.3	929.1	1167.7	746.3
85°	78.7	76.2	149.8	172.6	187.9	129.5	134.5	279.2	365.6	314.8
87.5°	10.2	15.2	58.4	45.7	25.4	27.9	27.9	48.2	71.1	76.2
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°
4404.4	0°	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4	4404.4
4409.5	2.5°	4409.5	4407.0	4399.4	4391.7	4374.0	4363.8	4368.9	4363.8	4361.3	4363.8
4442.5	5°	4442.5	4434.9	4414.6	4389.2	4353.7	4310.5	4282.6	4242.0	4203.9	4181.0
4531.4	7.5°	4531.4	4523.8	4495.8	4424.8	4310.5	4130.3	3965.3	3820.6	3711.4	3647.9
4673.5	10°	4673.5	4660.8	4617.7	4460.3	4160.7	3767.3	3439.8	3168.2	2990.5	2906.7
4841.1	12.5°	4841.1	4825.8	4749.7	4427.3	3876.4	3262.1	2810.2	2508.1	2343.1	2269.5
5034.0	15°	5039.1	5018.8	4869.0	4269.9	3462.6	2703.6	2289.8	2063.9	1957.2	1891.2
5280.3	17.5°	5285.3	5249.8	4957.9	4033.8	3013.3	2277.1	1969.9	1799.9	1705.9	1642.5
5602.7	20°	5605.2	5546.8	5028.9	3752.0	2599.5	2008.0	1754.2	1612.0	1540.9	1485.1
6059.6	22.5°	6052.0	5968.2	5115.2	3447.4	2307.6	1822.7	1594.2	1490.1	1431.8	1368.3
6696.8	25°	6605.4	6506.4	5221.9	3165.6	2107.0	1662.8	1477.5	1391.1	1322.6	1249.0
7532.0	27.5°	7379.7	7202.0	5348.8	2934.6	1934.4	1525.7	1370.8	1274.4	1195.7	1134.7
8478.9	30°	8242.8	7950.8	5460.5	2795.0	1777.0	1398.8	1231.2	1134.7	1061.1	1018.0
9329.3	32.5°	9060.2	8664.2	5534.1	2734.1	1634.8	1254.1	1078.9	974.8	919.0	906.3
10161.9	35°	9831.9	9309.0	5526.5	2675.7	1507.9	1109.4	929.1	822.5	779.3	787.0
11058.1	37.5°	10720.4	9996.9	5473.2	2584.3	1403.8	977.4	799.7	705.7	667.6	670.2
12147.1	40°	11753.6	10791.5	5440.2	2411.7	1289.6	855.5	693.0	616.9	589.0	578.8
13294.6	42.5°	12855.4	11560.7	5445.3	2216.2	1147.4	746.3	619.4	555.9	530.6	522.9
14571.5	45°	13962.2	12294.4	5452.9	2013.1	997.7	662.6	566.1	512.8	497.6	487.4
15866.1	47.5°	15003.0	12918.8	5310.7	1794.8	850.4	599.1	522.9	487.4	474.7	462.0
17165.9	50°	15972.8	13335.2	4968.0	1540.9	733.7	548.3	489.9	464.6	451.9	439.2
18343.8	52.5°	16726.7	13401.2	4401.9	1279.4	652.4	510.3	469.6	446.8	431.6	418.9
19295.8	55°	17061.8	12987.4	3597.2	1035.7	589.0	477.3	449.3	426.5	408.7	396.0
20044.7	57.5°	16975.5	12116.7	2805.1	832.7	528.0	444.3	423.9	408.7	388.4	368.1
20651.4	60°	16551.6	10951.4	2114.6	693.0	472.2	408.7	396.0	383.3	355.4	324.9
20884.9	62.5°	15817.9	9486.7	1507.9	573.7	411.3	368.1	363.0	352.9	312.2	256.4
20539.7	65°	14695.9	7707.1	1015.4	477.3	352.9	322.4	324.9	307.2	253.9	190.4
19275.5	67.5°	13055.9	5635.7	649.9	390.9	294.5	269.1	271.6	261.5	215.8	162.5
16879.0	70°	10966.7	3731.7	423.9	297.0	236.1	208.2	223.4	225.9	182.8	132.0
12954.4	72.5°	8039.7	2203.5	297.0	220.9	172.6	144.7	182.8	187.9	147.2	99.0
7793.5	75°	4582.1	1045.9	223.4	159.9	106.6	101.5	142.2	142.2	101.5	66.0
3373.8	77.5°	1924.2	436.6	157.4	104.1	60.9	58.4	96.5	88.9	50.8	30.5
822.5	80°	555.9	195.5	83.8	50.8	25.4	22.8	38.1	27.9	12.7	5.1
312.2	82.5°	218.3	86.3	33.0	20.3	10.2	10.2	5.1	0.0	0.0	0.0
177.7	85°	129.5	35.5	15.2	7.6	2.5	0.0	0.0	0.0	0.0	0.0
38.1	87.5°	33.0	7.6	5.1	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°
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4404.4
4374.0
4186.1
3650.5
2899.1
2261.9
1893.8
1637.4
1474.9
1358.1
1241.4
1122.1
1010.4
913.9
787.0
680.3
576.3
520.4
487.4
462.0
439.2
416.3
393.5
365.6
319.9
251.3
185.3
154.9
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93.9
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