

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: P853192

Luminaire Tested: **GLAN-SB9B-850-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853192  
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-SB9B-850-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 5000K, 450mA 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: 33344 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

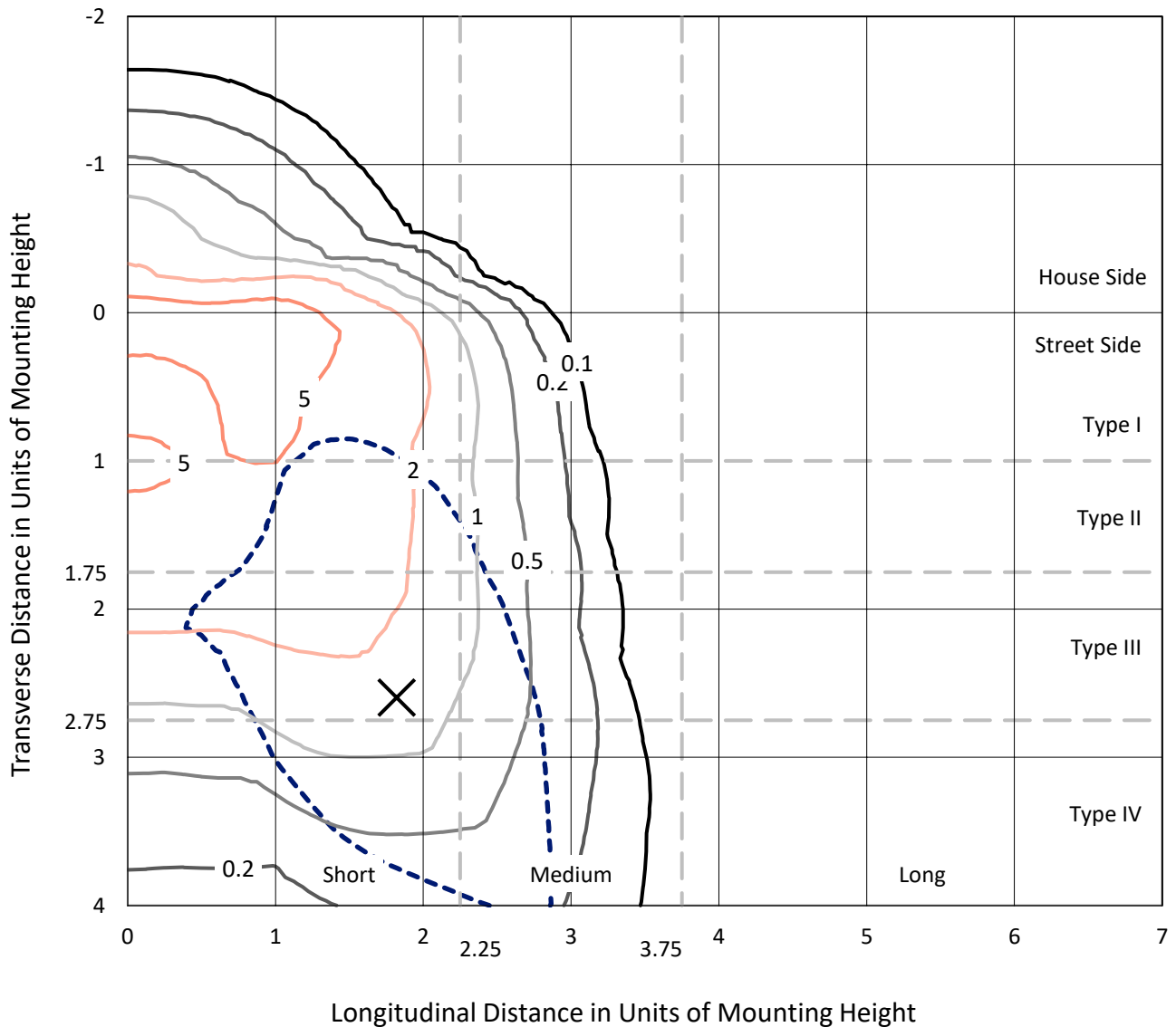
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

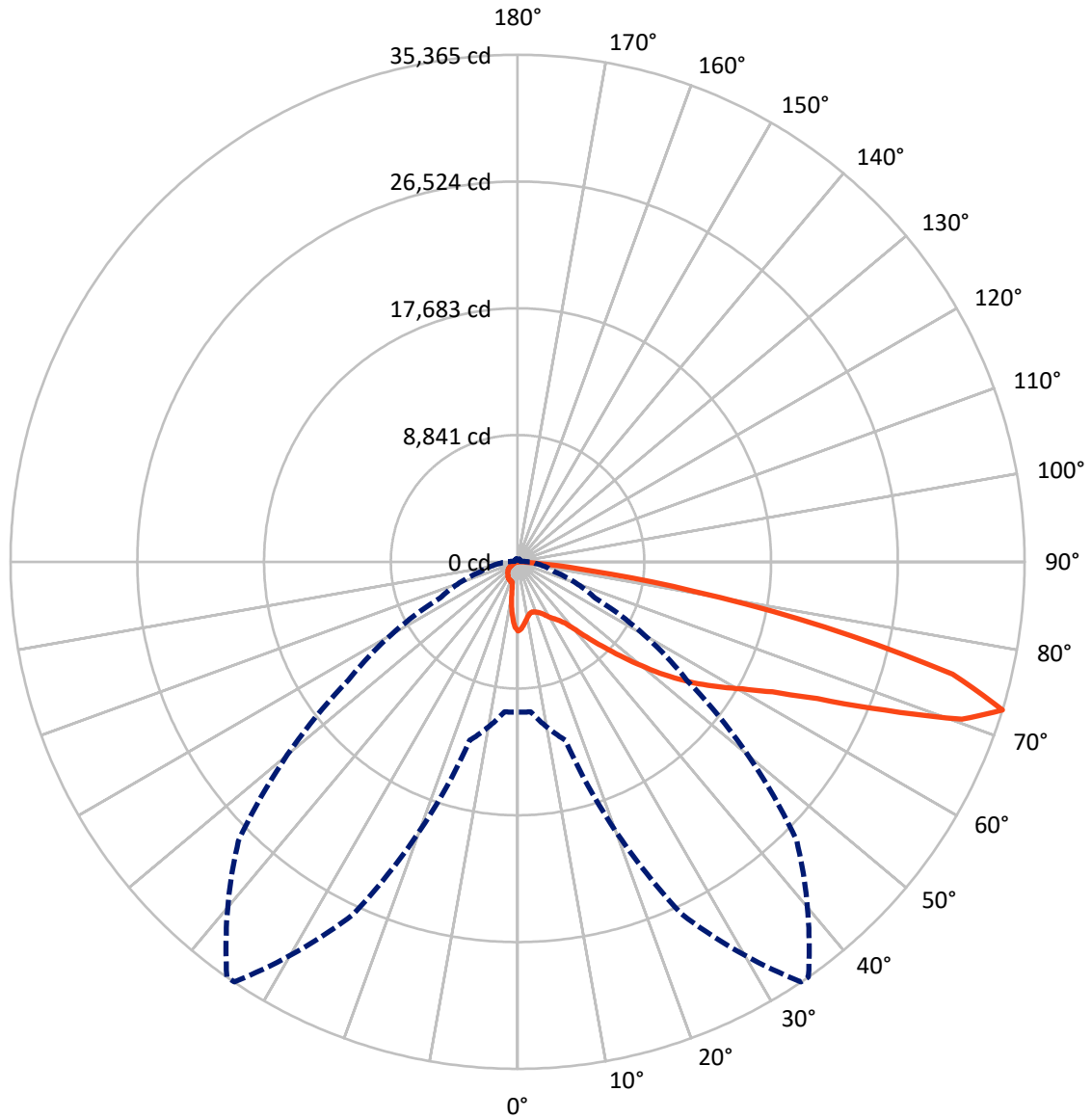
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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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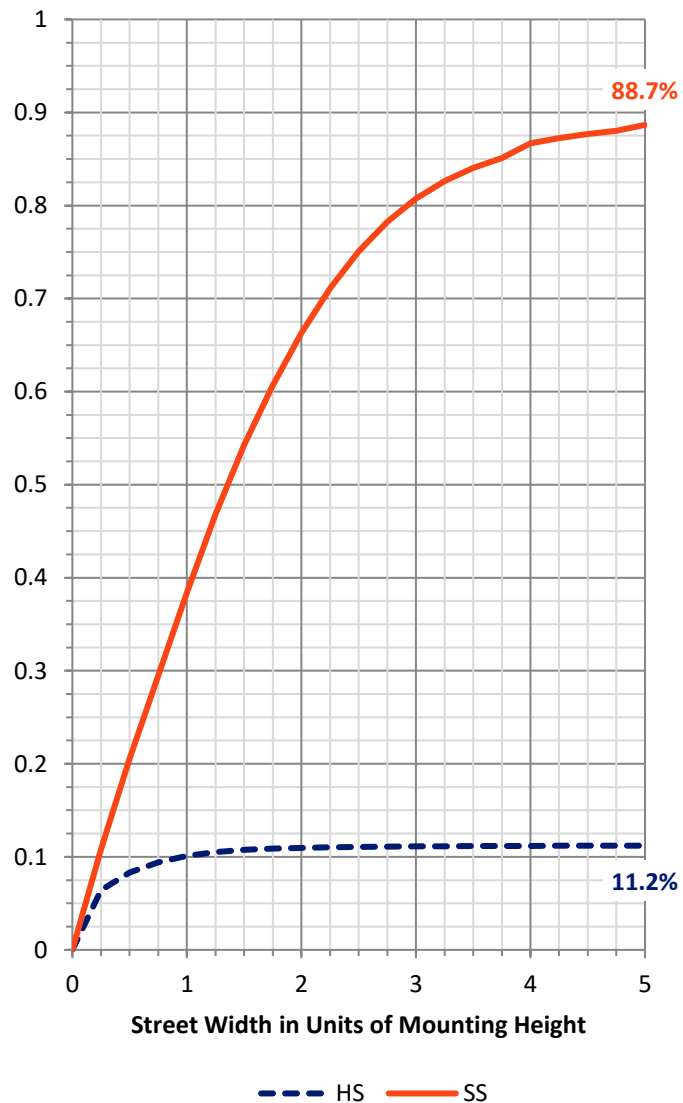
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3752.7	0.0	3752.7
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	29591.3	0.0	29591.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	33344.0	0.0	33344.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.1	1.2
10°-20°	929.0	2.8
20°-30°	1509.1	4.5
30°-40°	2518.0	7.6
40°-50°	4764.1	14.3
50°-60°	7570.2	22.7
60°-70°	9364.8	28.1
70°-80°	5821.2	17.5
80°-90°	470.4	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°	33344.0	100.0
0°-180°	33344.0	100.0

**Coefficient of Utilization**

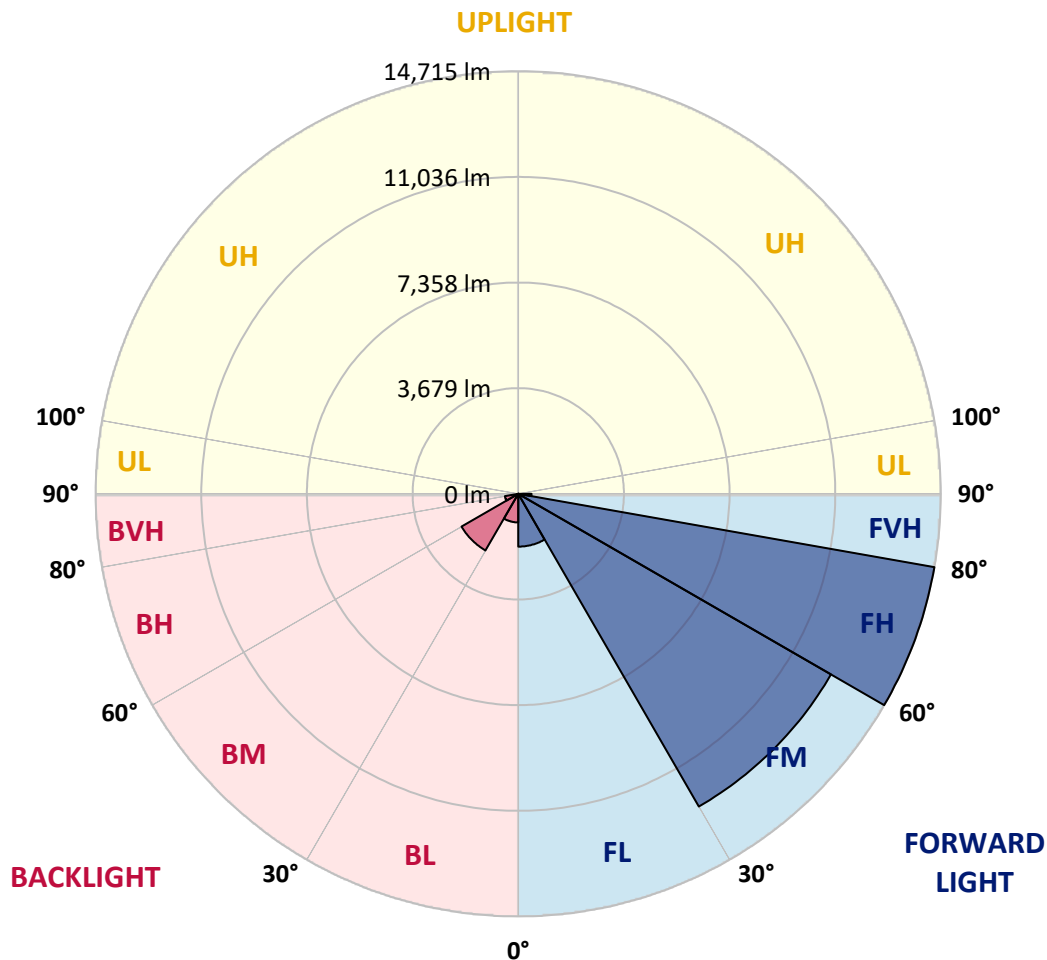


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1838.1	5.5			
FM (30°-60°)	12574.0	37.7			
FH (60°-80°)	14715.1	44.1			G5
FVH (80°-90°)	464.0	1.4			G3/500
BL (0°-30°)	997.2	3.0	B2/1000		
BM (30°-60°)	2278.2	6.8	B2/2500		
BH (60°-80°)	470.9	1.4	B1/500		G1/500
BVH (80°-90°)	6.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4832.7	4832.7	4832.7	4832.7	4832.7	4832.7	4832.7	4832.7	4832.7	4832.7
2.5°	4617.7	4656.8	4664.1	4676.3	4676.3	4691.0	4715.4	4749.6	4805.8	4835.1
5°	4256.1	4285.4	4322.0	4351.4	4407.5	4414.9	4510.2	4603.0	4732.5	4830.2
7.5°	3892.0	3926.2	3975.1	4046.0	4119.2	4141.2	4285.4	4441.8	4647.0	4830.2
10°	3635.5	3637.9	3681.9	3752.8	3870.0	3896.9	4072.8	4295.2	4551.7	4800.9
12.5°	3491.3	3508.4	3528.0	3581.7	3694.1	3711.2	3899.4	4160.8	4456.4	4783.8
15°	3491.3	3503.6	3515.8	3542.7	3633.0	3647.7	3813.8	4075.3	4407.5	4791.1
17.5°	3528.0	3547.5	3537.8	3569.5	3664.8	3674.6	3821.2	4050.8	4405.1	4837.5
20°	3615.9	3630.6	3611.1	3630.6	3725.9	3745.4	3896.9	4097.3	4446.6	4918.2
22.5°	3755.2	3762.5	3716.1	3730.8	3828.5	3852.9	4028.8	4229.2	4546.8	5047.7
25°	3931.1	3945.8	3874.9	3892.0	3984.9	4014.2	4217.0	4427.1	4705.6	5226.0
27.5°	4133.9	4141.2	4080.2	4077.7	4197.4	4239.0	4444.2	4671.4	4918.2	5450.8
30°	4366.0	4388.0	4329.4	4319.6	4471.1	4505.3	4708.1	4971.9	5230.9	5788.0
32.5°	4549.3	4566.4	4532.1	4556.6	4710.5	4737.4	5028.1	5397.0	5722.0	6266.8
35°	4813.1	4822.9	4744.7	4788.7	4964.6	5033.0	5465.5	5993.2	6340.1	6867.9
37.5°	5768.4	5768.4	5436.1	5218.7	5387.3	5448.4	6064.0	6743.3	7102.4	7674.1
40°	7090.2	7068.2	6582.0	6137.3	6115.3	6235.1	6916.7	7688.8	8087.0	8641.6
42.5°	8499.9	8465.7	7803.6	7363.8	7290.5	7332.1	7901.3	8854.2	9259.8	9821.7
45°	9750.8	9741.1	9135.2	8543.9	8412.0	8543.9	9130.3	10217.5	10508.2	11099.5
47.5°	10799.0	10799.0	10356.8	9970.7	9902.3	9980.5	10794.1	11729.8	11703.0	12460.4
50°	12005.9	11996.1	11575.9	11409.8	11480.6	11590.6	12709.6	13322.8	12939.2	13796.8
52.5°	12851.3	12909.9	12765.8	12738.9	13100.5	13291.0	14654.4	14881.6	14046.0	15064.8
55°	13520.7	13589.1	13755.3	13943.4	14639.7	14888.9	16538.1	16359.7	14972.0	16164.3
57.5°	14468.7	14370.9	14627.5	14998.8	16125.2	16425.7	18363.1	17754.8	15717.2	17056.0
60°	15619.4	15634.1	15678.1	16147.2	17608.2	17994.2	20161.3	19074.1	16196.0	17603.3
62.5°	17002.3	17024.3	17114.7	17835.4	19599.4	19963.4	22076.8	20154.0	16415.9	17449.4
65°	16907.0	16999.8	18008.9	20474.1	22626.5	22985.7	24312.4	20911.4	16083.6	16042.1
67.5°	15402.0	15553.5	17241.7	23625.8	27190.5	27591.1	27014.5	21060.4	14649.5	12475.0
70°	13427.9	13481.6	15511.9	26459.9	32475.1	32880.7	29433.3	19421.1	11116.6	6958.3
72.5°	10486.2	10498.5	12880.6	27117.2	35343.4	35365.4	27534.9	14417.4	5978.5	2672.9
75°	7490.9	7417.6	8627.0	21991.3	31094.7	31343.9	20642.7	6762.8	2284.4	1263.1
77.5°	4016.6	4097.3	4881.5	13041.8	21480.7	21905.8	11263.2	1949.7	1163.0	860.0
80°	1241.1	1309.6	2001.0	5971.2	12167.2	12423.7	4175.4	867.3	811.1	613.2
82.5°	390.9	405.6	933.3	2509.2	5050.1	5167.4	1209.4	491.1	554.6	405.6
85°	112.4	114.8	415.3	935.7	1248.5	1272.9	339.6	190.6	317.6	251.7
87.5°	12.2	39.1	156.4	156.4	109.9	107.5	36.6	41.5	90.4	31.8
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°
4832.7	0°	4832.7	4832.7	4832.7	4832.7	4832.7	4832.7	4832.7	4832.7	4832.7	4832.7
4854.7	2.5°	4842.4	4844.9	4813.1	4759.4	4700.7	4651.9	4590.8	4541.9	4507.7	4497.9
4898.6	5°	4876.6	4859.5	4769.1	4605.4	4410.0	4241.4	4053.3	3904.2	3806.5	3765.0
4945.1	7.5°	4927.9	4879.1	4681.2	4358.7	3984.9	3652.6	3315.4	3054.0	2887.9	2804.8
4989.0	10°	4971.9	4874.2	4534.6	4002.0	3430.3	2927.0	2472.5	2157.4	1981.4	1898.4
5040.3	12.5°	5013.5	4871.8	4344.0	3579.3	2804.8	2189.1	1766.4	1610.1	1561.2	1544.1
5123.4	15°	5091.6	4879.1	4104.6	3095.5	2181.8	1654.1	1500.1	1497.7	1507.5	1502.6
5250.5	17.5°	5199.1	4886.4	3833.4	2582.5	1683.4	1458.6	1451.3	1473.3	1487.9	1480.6
5409.3	20°	5338.4	4915.7	3545.1	2074.3	1446.4	1409.7	1426.8	1446.4	1458.6	1446.4
5621.8	22.5°	5533.9	4967.0	3229.9	1666.3	1370.6	1380.4	1395.1	1417.1	1429.3	1412.2
5893.0	25°	5773.3	5047.7	2919.6	1448.8	1334.0	1346.2	1368.2	1392.6	1407.3	1390.2
6235.1	27.5°	6083.6	5177.2	2633.8	1400.0	1297.3	1304.7	1336.4	1373.1	1392.6	1370.6
6721.3	30°	6533.1	5389.7	2387.0	1421.9	1275.4	1258.3	1302.2	1353.5	1375.5	1356.0
7383.4	32.5°	7129.3	5690.2	2235.5	1456.2	1265.6	1204.5	1246.0	1312.0	1348.7	1336.4
8248.3	35°	7911.1	6147.1	2176.9	1495.2	1258.3	1148.3	1177.6	1248.5	1312.0	1324.2
9337.9	37.5°	8859.1	6782.3	2194.0	1512.3	1236.3	1101.9	1116.5	1177.6	1260.7	1299.8
10564.4	40°	9936.5	7522.6	2291.7	1495.2	1211.8	1062.8	1065.2	1111.7	1185.0	1243.6
11883.8	42.5°	11048.2	8387.5	2472.5	1431.7	1189.8	1028.6	1021.3	1053.0	1101.9	1143.4
13200.6	45°	12106.1	9276.9	2650.9	1343.8	1163.0	994.4	977.3	989.5	999.3	1016.4
14483.3	47.5°	13029.6	9902.3	2599.6	1263.1	1126.3	955.3	926.0	921.1	891.8	889.3
15629.2	50°	13667.3	10039.1	2308.8	1182.5	1072.6	911.3	864.9	835.6	784.3	759.8
16486.8	52.5°	13870.1	9499.2	1886.2	1101.9	984.6	852.7	786.7	740.3	676.8	654.8
16980.3	55°	13601.3	8441.3	1507.5	1004.2	862.5	774.5	701.2	640.1	588.8	561.9
17034.0	57.5°	12944.1	7095.1	1192.3	889.3	733.0	686.5	613.2	552.2	508.2	481.3
16437.9	60°	11854.4	5634.0	943.1	752.5	625.5	591.3	515.5	476.4	437.3	405.6
14898.7	62.5°	10200.4	4021.5	740.3	596.1	522.8	483.8	439.8	410.5	364.0	320.1
12130.5	65°	7960.0	2460.3	571.7	437.3	420.2	400.7	373.8	346.9	290.7	246.8
7913.5	67.5°	5020.8	1165.4	408.0	329.8	332.3	322.5	310.3	288.3	246.8	207.7
3545.1	70°	2211.1	564.4	268.8	251.7	246.8	246.8	256.5	249.2	210.1	173.5
1231.4	72.5°	752.5	303.0	200.3	190.6	178.4	175.9	215.0	207.7	168.6	134.4
613.2	75°	393.4	202.8	146.6	136.8	107.5	129.5	171.0	161.3	119.7	88.0
405.6	77.5°	256.5	144.1	100.2	88.0	61.1	85.5	127.0	112.4	70.9	44.0
266.3	80°	161.3	95.3	58.6	41.5	29.3	46.4	68.4	48.9	26.9	9.8
156.4	82.5°	85.5	48.9	22.0	14.7	12.2	14.7	17.1	12.2	4.9	0.0
80.6	85°	34.2	17.1	7.3	4.9	2.4	0.0	4.9	2.4	0.0	0.0
14.7	87.5°	12.2	2.4	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°
4832.7
4515.0
3779.6
2817.0
1900.8
1539.2
1500.1
1478.1
1443.9
1409.7
1387.7
1370.6
1353.5
1336.4
1324.2
1309.6
1263.1
1160.5
1026.1
886.9
762.3
652.3
561.9
476.4
398.2
312.7
239.4
202.8
166.1
127.0
80.6
39.1
7.3
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