

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: P849955

Luminaire Tested: **GLAN-SB7B-727-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849955  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-727-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

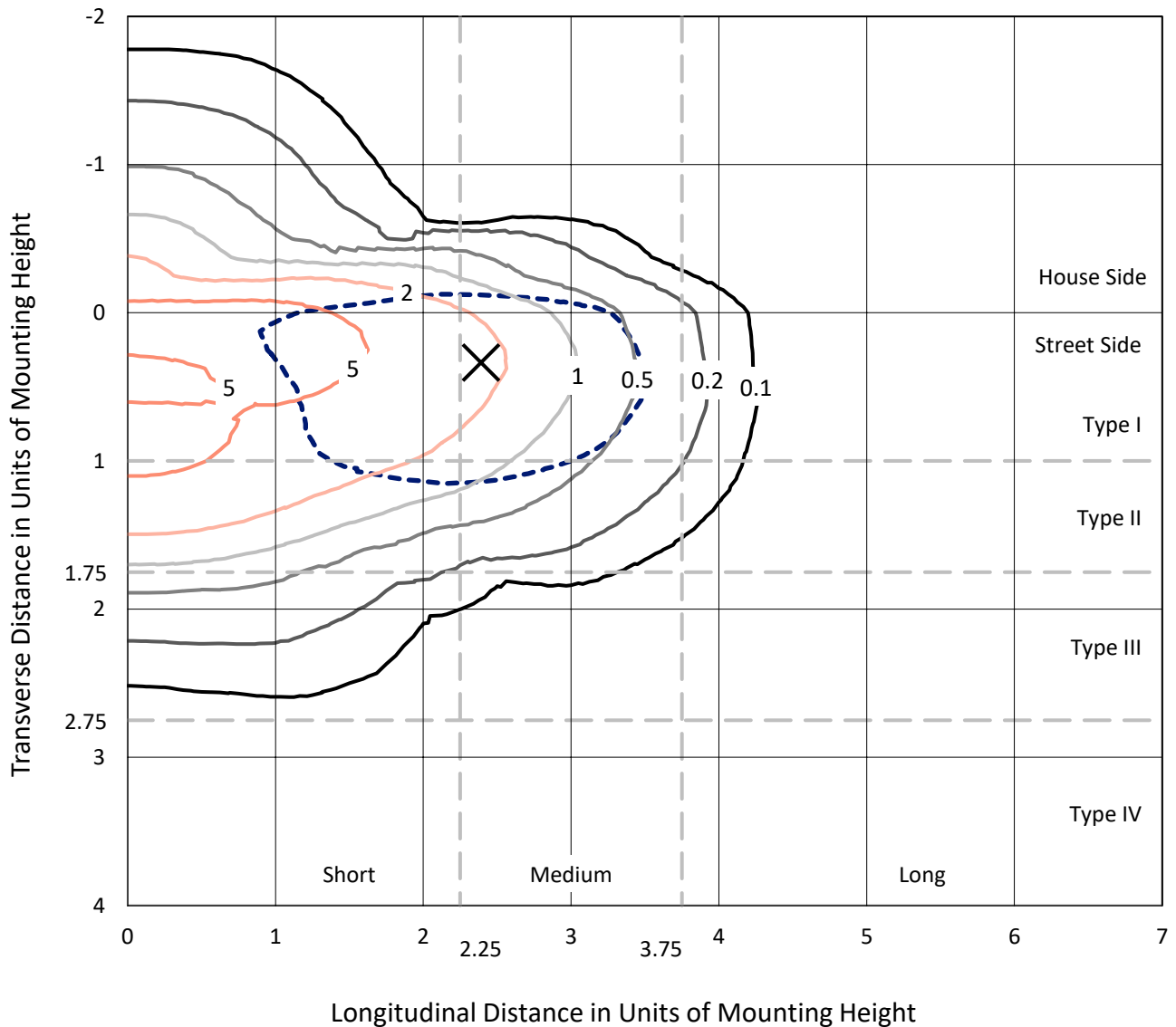
Lumens per Lamp: N/A  
Luminaire Lumens: 26006 lumens  
Efficiency: N/A  
Efficacy: 101.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

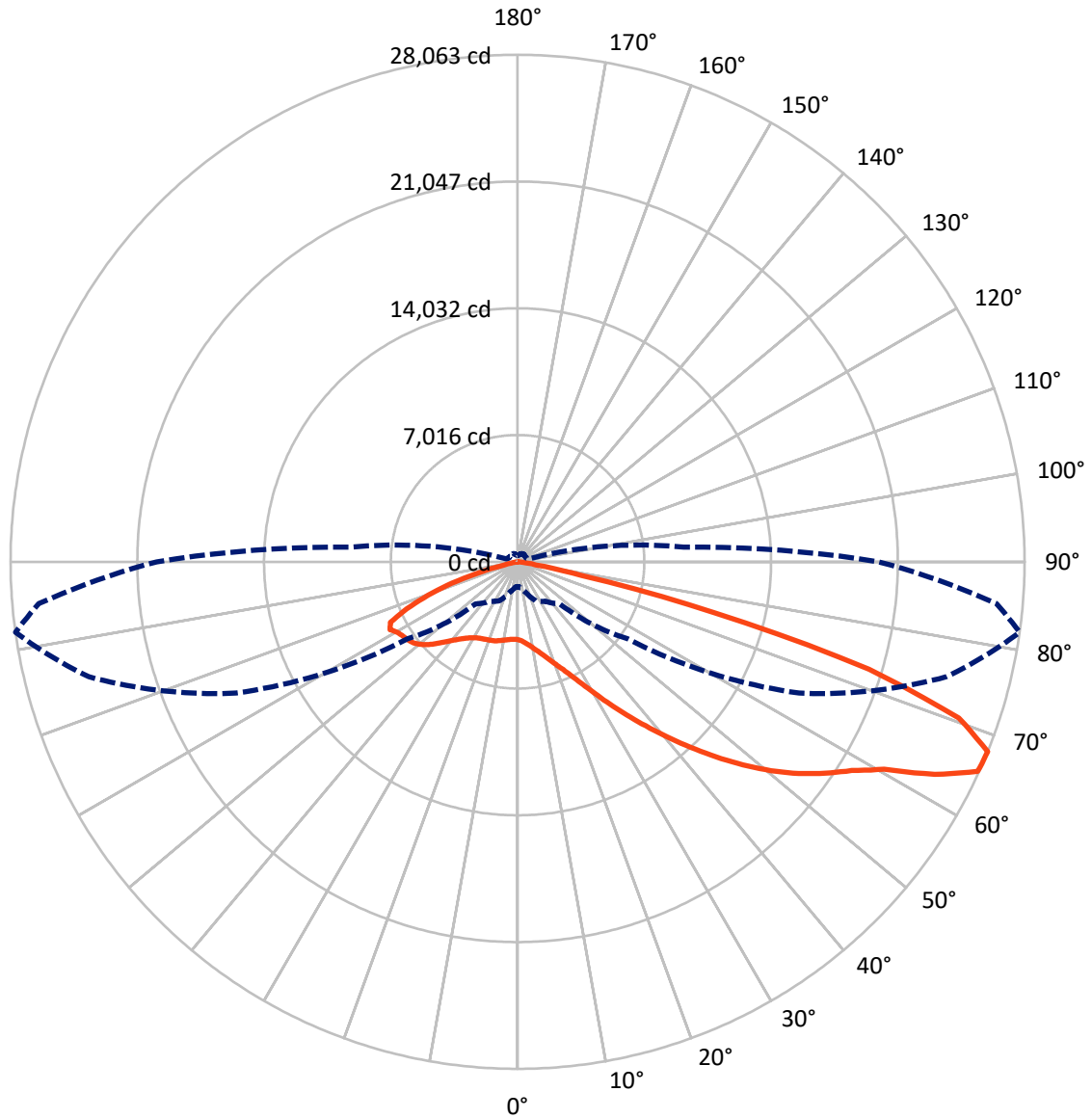
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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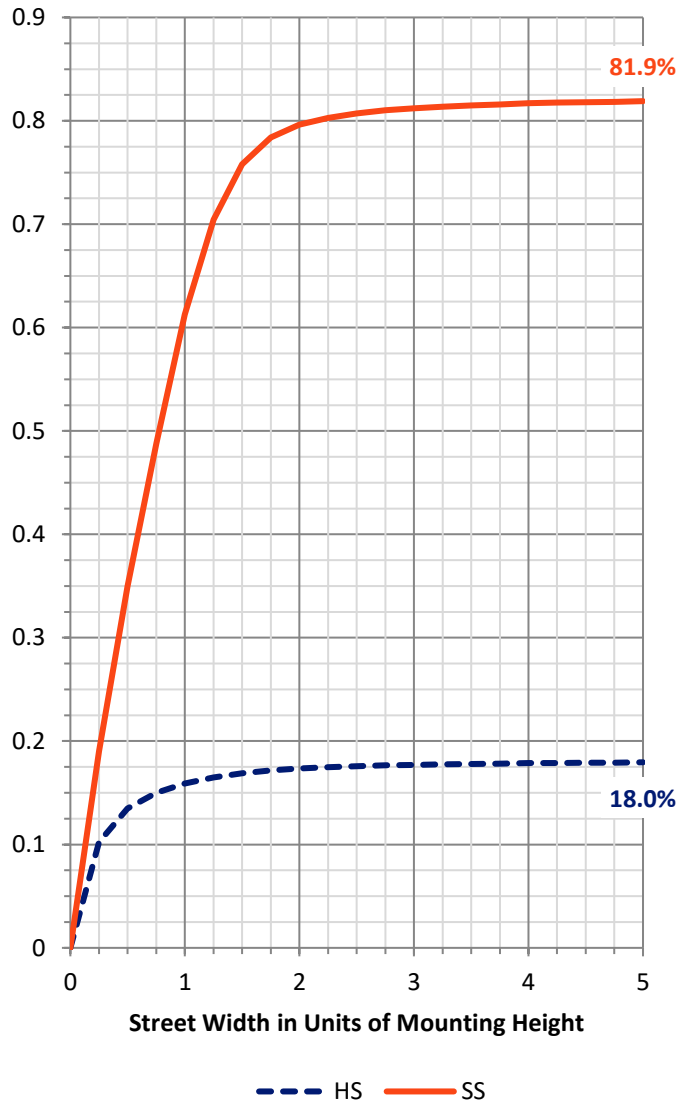
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4710.7	0.0	4710.7
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	21295.2	0.0	21295.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	26006.0	0.0	26006.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	383.8	1.5
10°-20°	997.4	3.8
20°-30°	1597.6	6.1
30°-40°	2825.0	10.9
40°-50°	4949.7	19.0
50°-60°	6601.5	25.4
60°-70°	6145.7	23.6
70°-80°	2358.7	9.1
80°-90°	146.5	0.6
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°	26006.0	100.0
0°-180°	26006.0	100.0

**Coefficient of Utilization**

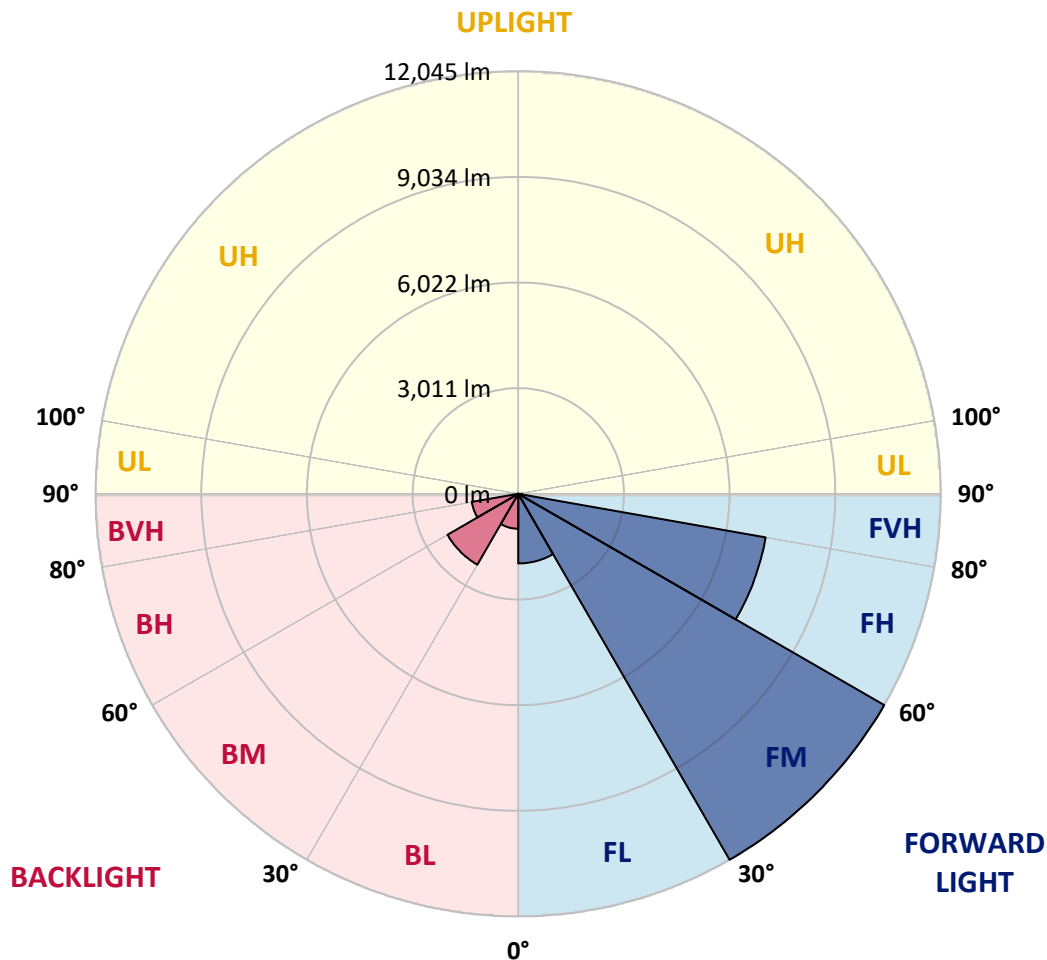


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1984.0	7.6			
FM (30°-60°)	12044.9	46.3			
FH (60°-80°)	7159.8	27.5			G3/7500
FVH (80°-90°)	106.5	0.4			G2/225
BL (0°-30°)	994.9	3.8	B2/1000		
BM (30°-60°)	2331.3	9.0	B2/2500		
BH (60°-80°)	1344.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	40.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4308.3	4308.3	4308.3	4308.3	4308.3	4308.3	4308.3	4308.3	4308.3	4308.3
2.5°	4553.6	4579.8	4564.8	4557.3	4544.2	4525.5	4510.5	4463.7	4415.0	4383.2
5°	4645.3	4671.6	4669.7	4677.2	4686.5	4692.1	4688.4	4636.0	4566.7	4512.4
7.5°	4566.7	4596.7	4621.0	4658.4	4724.0	4793.3	4827.0	4815.7	4744.6	4669.7
10°	4343.9	4375.7	4433.8	4521.8	4660.3	4810.1	4935.6	4993.6	4948.7	4866.3
12.5°	3935.7	3967.5	4081.8	4272.7	4504.9	4765.2	5004.8	5160.2	5171.5	5089.1
15°	3477.0	3508.8	3630.5	3870.2	4224.1	4641.6	5042.3	5336.2	5435.5	5364.3
17.5°	3192.4	3220.5	3312.2	3505.1	3873.9	4394.4	5029.2	5523.5	5750.0	5693.9
20°	3106.3	3130.6	3173.7	3308.5	3615.5	4137.9	4943.0	5699.5	6088.9	6057.1
22.5°	3198.0	3220.5	3233.6	3293.5	3486.3	3969.4	4834.4	5879.2	6482.1	6485.9
25°	3409.6	3432.0	3417.1	3454.5	3538.8	3917.0	4793.3	6090.8	6976.4	7017.6
27.5°	3757.8	3759.7	3724.1	3722.3	3735.4	3995.6	4836.3	6317.4	7599.9	7676.7
30°	4456.2	4428.1	4291.5	4143.5	4076.1	4231.5	4956.2	6585.1	8335.8	8472.5
32.5°	5532.8	5491.6	5240.8	4886.9	4531.1	4611.6	5171.5	6890.3	9137.1	9384.3
35°	6701.2	6690.0	6427.8	5901.7	5280.1	5152.8	5521.6	7291.0	10011.5	10404.7
37.5°	7787.2	7781.6	7631.8	7012.0	6255.6	5907.3	6083.3	7815.3	10947.7	11516.9
40°	8779.5	8796.4	8646.6	8092.4	7330.3	6875.3	6847.2	8463.1	11988.8	12728.3
42.5°	9637.1	9655.8	9504.1	9094.1	8391.9	7946.3	7785.3	9257.0	13005.5	14029.6
45°	10219.4	10335.5	10313.0	9985.3	9481.7	9019.2	8912.5	10253.1	14164.4	15409.6
47.5°	10384.1	10490.9	10659.4	10704.3	10397.2	9942.3	10069.6	11453.3	15336.5	16791.4
50°	9977.8	10077.1	10427.2	10893.4	11106.9	10966.4	11194.9	12739.6	16536.7	18169.4
52.5°	9176.5	9277.6	9719.5	10457.2	11327.8	11769.7	12323.9	14007.2	17699.5	19474.5
55°	8017.5	8124.2	8691.5	9526.6	10906.5	12101.1	13265.7	15272.9	18764.9	20648.5
57.5°	6440.9	6519.6	7109.4	8277.7	9846.8	11771.6	13960.4	16654.7	19768.4	21801.8
60°	4197.8	4267.1	4952.4	6255.6	8090.5	10670.6	14098.9	18195.7	21101.6	23301.6
62.5°	2791.7	2838.5	3244.8	4201.6	5697.6	8556.7	13288.2	19425.8	23056.3	25911.7
65°	1915.4	1962.2	2368.5	3035.1	3681.1	5660.2	10957.1	19262.9	24827.6	27984.4
67.5°	1366.8	1406.1	1750.7	2379.8	2664.4	3287.9	7427.7	17180.8	24572.9	28063.0
70°	979.2	1001.7	1286.3	1853.6	2117.6	1975.3	4130.4	13140.3	21515.4	25913.5
72.5°	685.3	692.8	893.1	1411.8	1705.7	1441.7	1966.0	8760.8	16272.7	20339.5
75°	464.3	473.7	601.0	1035.4	1368.7	1101.0	1041.0	4697.8	9552.8	11258.5
77.5°	284.6	288.3	387.6	707.8	1024.2	838.8	670.3	1990.3	3696.1	3628.6
80°	161.0	161.0	247.2	440.0	698.4	541.1	470.0	846.3	1170.2	1027.9
82.5°	89.9	91.7	179.7	273.4	462.5	320.2	258.4	391.3	505.5	447.5
85°	37.4	41.2	110.5	129.2	220.9	159.2	104.9	164.8	187.2	166.6
87.5°	3.7	5.6	33.7	24.3	26.2	31.8	15.0	31.8	26.2	26.2
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°
4308.3	0°	4308.3	4308.3	4308.3	4308.3	4308.3	4308.3	4308.3	4308.3	4308.3	4308.3
4372.0	2.5°	4336.4	4308.3	4237.2	4154.8	4046.2	3993.8	3922.6	3873.9	3832.7	3836.5
4480.6	5°	4420.7	4349.5	4190.4	3991.9	3744.7	3568.7	3381.5	3252.3	3147.4	3125.0
4630.4	7.5°	4536.7	4424.4	4145.4	3787.8	3370.3	3053.8	2771.1	2589.5	2460.3	2419.1
4812.0	10°	4686.5	4523.6	4087.4	3531.3	2930.3	2527.7	2224.4	2082.1	1994.1	1964.1
5025.4	12.5°	4860.7	4637.9	4010.6	3218.6	2477.1	2089.6	1896.7	1825.6	1797.5	1788.1
5287.6	15°	5079.7	4780.2	3894.5	2847.9	2093.3	1821.8	1739.4	1730.1	1733.8	1730.1
5602.1	17.5°	5340.0	4935.6	3705.4	2465.9	1834.9	1685.1	1655.2	1662.7	1672.0	1670.2
5954.1	20°	5624.6	5089.1	3463.9	2127.0	1658.9	1587.8	1570.9	1578.4	1585.9	1582.1
6360.4	22.5°	5948.5	5253.9	3196.1	1863.0	1541.0	1497.9	1479.2	1481.0	1481.0	1473.6
6875.3	25°	6336.1	5435.5	2915.3	1675.8	1451.1	1417.4	1394.9	1387.4	1376.2	1353.7
7500.7	27.5°	6798.6	5628.3	2645.7	1544.7	1379.9	1348.1	1321.9	1303.2	1275.1	1237.6
8251.5	30°	7319.1	5862.4	2417.2	1462.3	1323.8	1291.9	1262.0	1233.9	1192.7	1145.9
9114.7	32.5°	7931.3	6113.3	2250.6	1408.0	1273.2	1239.5	1203.9	1170.2	1125.3	1078.5
10084.6	35°	8661.6	6416.6	2153.2	1370.6	1233.9	1189.0	1149.6	1112.2	1078.5	1037.3
11138.7	37.5°	9453.6	6738.6	2123.3	1351.8	1207.7	1138.4	1093.5	1067.2	1063.5	1039.2
12279.0	40°	10320.5	7120.6	2145.7	1340.6	1179.6	1089.7	1041.0	1035.4	1044.8	1001.7
13497.9	42.5°	11237.9	7573.7	2183.2	1327.5	1140.3	1041.0	994.2	994.2	986.7	926.8
14786.1	45°	12230.3	8096.1	2220.6	1295.7	1093.5	992.4	956.8	943.7	911.8	853.8
16081.8	47.5°	13230.1	8627.9	2248.7	1237.6	1037.3	951.2	919.3	889.4	842.6	790.1
17353.1	50°	14179.4	9105.3	2218.8	1151.5	973.6	911.8	878.1	836.9	786.4	750.8
18557.0	52.5°	15027.6	9519.1	2091.4	1050.4	906.2	870.7	840.7	797.6	756.4	719.0
19643.0	55°	15765.3	9854.3	1866.7	954.9	846.3	835.1	805.1	750.8	694.6	662.8
20719.6	57.5°	16473.1	10108.9	1585.9	876.3	792.0	795.8	750.8	702.1	649.7	616.0
22170.7	60°	17414.9	10449.7	1301.3	803.2	734.0	745.2	696.5	660.9	595.4	552.3
24659.1	62.5°	18920.3	10979.6	1033.5	713.4	666.6	670.3	649.7	606.6	528.0	477.5
26503.3	65°	20114.8	10784.8	814.5	616.0	589.8	595.4	595.4	548.6	464.3	406.3
26602.6	67.5°	19980.0	9234.5	649.7	520.5	516.8	520.5	533.6	494.3	411.9	365.1
24576.7	70°	18405.4	7345.3	520.5	432.5	449.4	440.0	477.5	451.2	370.7	323.9
19053.2	72.5°	15018.2	5291.3	396.9	357.6	344.5	359.5	430.6	406.3	308.9	256.5
10092.1	75°	8775.8	2823.5	295.8	282.7	249.0	299.6	382.0	346.4	235.9	189.1
3093.1	77.5°	2857.2	984.9	217.2	207.8	185.4	241.5	325.8	292.1	192.9	149.8
906.2	80°	765.8	297.7	147.9	136.7	119.8	179.7	258.4	232.2	138.6	97.4
389.5	82.5°	307.1	125.4	86.1	76.8	65.5	123.6	204.1	187.2	103.0	61.8
121.7	85°	99.2	41.2	31.8	24.3	30.0	76.8	121.7	127.3	73.0	31.8
18.7	87.5°	13.1	5.6	5.6	7.5	5.6	13.1	37.4	35.6	20.6	3.7
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°
4308.3
3799.0
3074.4
2377.9
1941.6
1782.5
1728.2
1666.4
1580.3
1469.8
1350.0
1233.9
1142.1
1080.4
1033.5
1037.3
1003.6
926.8
851.9
788.3
745.2
715.2
659.1
612.3
546.7
473.7
400.7
357.6
318.3
250.9
183.5
144.2
95.5
61.8
24.3
0.0
0.0

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