

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: P850735

Luminaire Tested: **GLAN-SB8B-850-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850735  
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-SB8B-850-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 5000K, 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: 28550 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

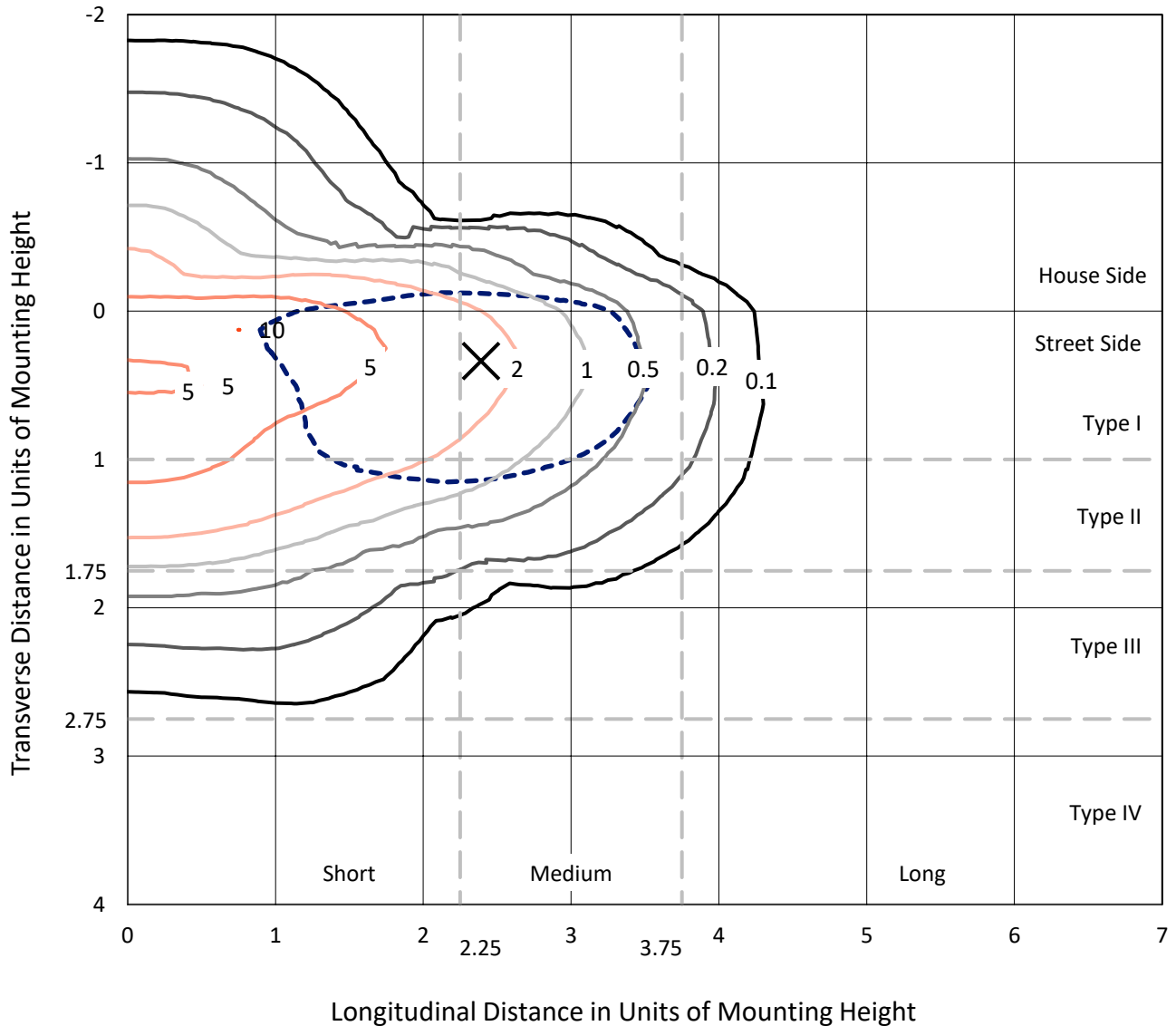
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

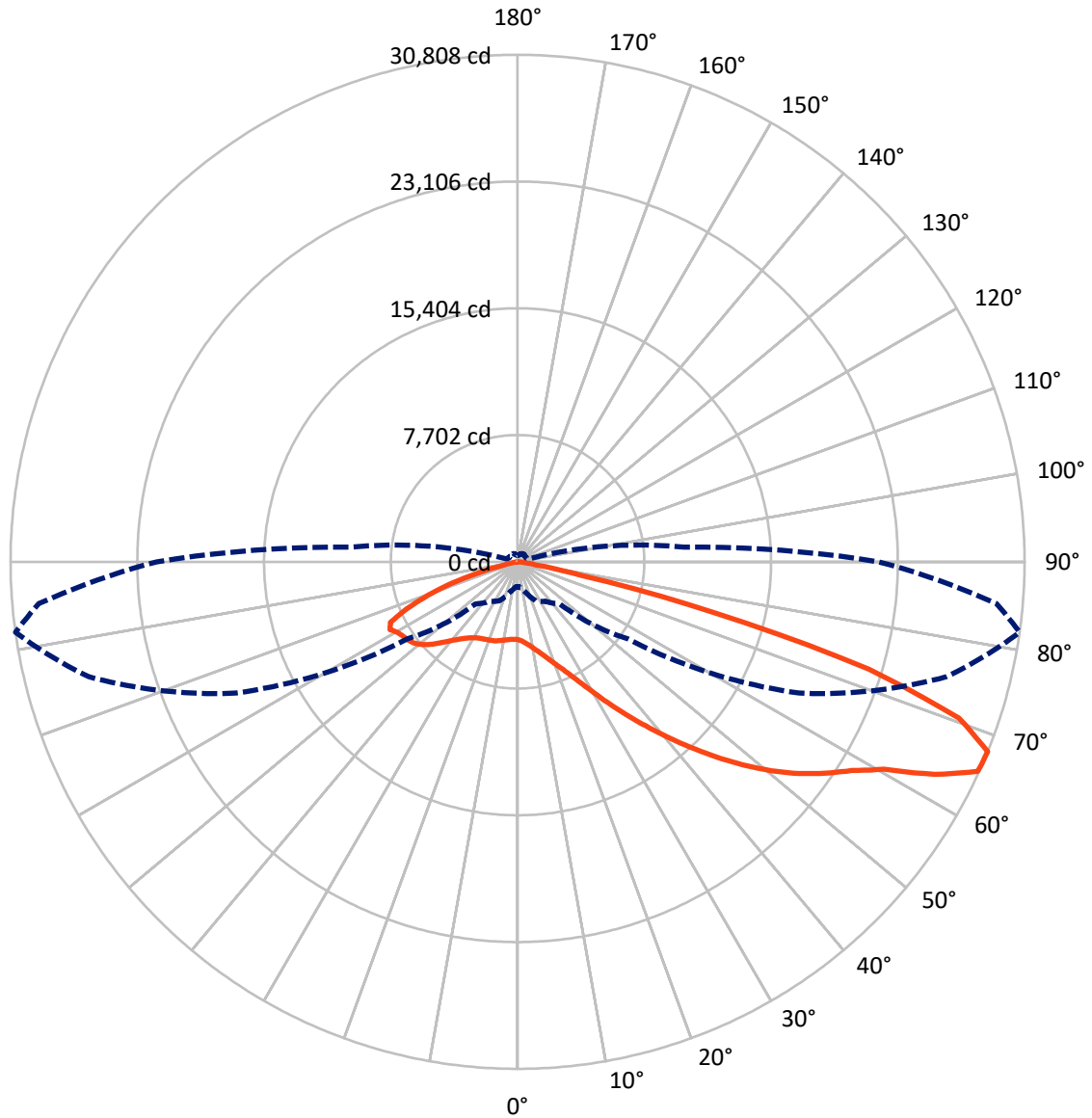
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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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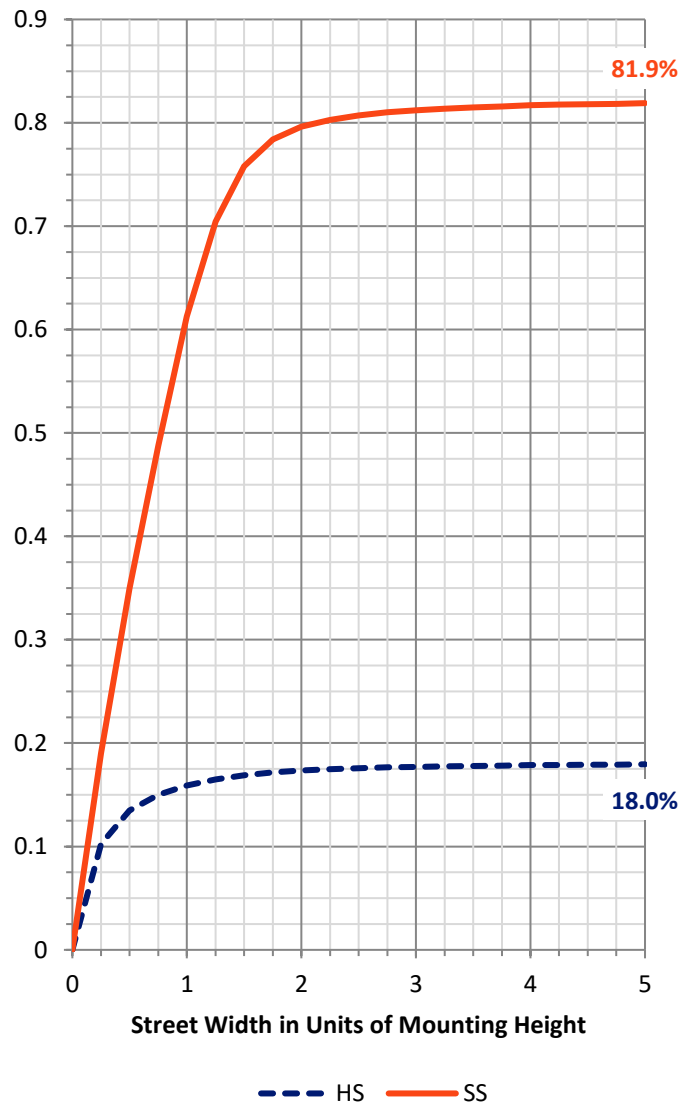
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5171.6	0.0	5171.6
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	23378.4	0.0	23378.4
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	28550.0	0.0	28550.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	421.4	1.5
10°-20°	1095.0	3.8
20°-30°	1753.9	6.1
30°-40°	3101.4	10.9
40°-50°	5433.9	19.0
50°-60°	7247.3	25.4
60°-70°	6746.9	23.6
70°-80°	2589.4	9.1
80°-90°	160.8	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°	28550.0	100.0
0°-180°	28550.0	100.0

**Coefficient of Utilization**

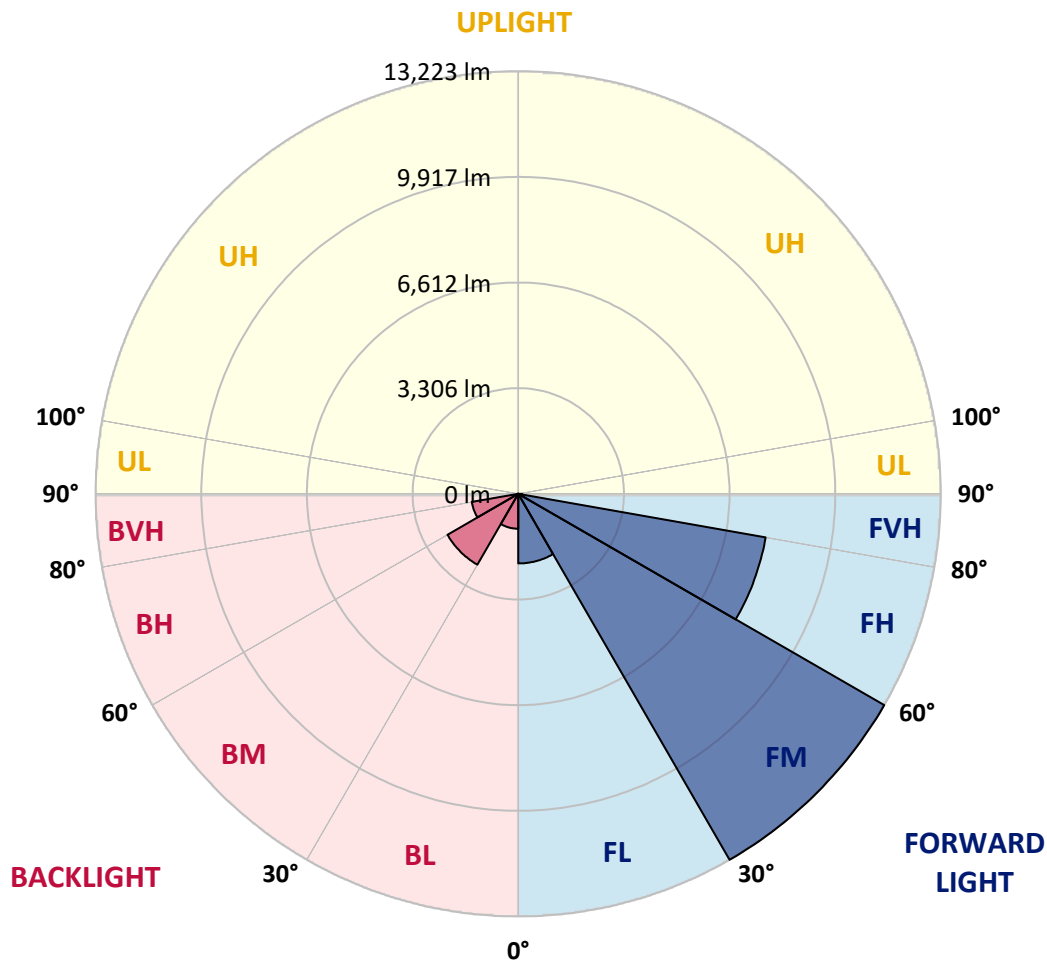


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2178.0	7.6			
FM (30°-60°)	13223.2	46.3			
FH (60°-80°)	7860.2	27.5			G4/12000
FVH (80°-90°)	116.9	0.4			G2/225
BL (0°-30°)	1092.2	3.8	B3/2500		
BM (30°-60°)	2559.4	9.0	B3/5000		
BH (60°-80°)	1476.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	43.9	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-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4729.8	4729.8	4729.8	4729.8	4729.8	4729.8	4729.8	4729.8	4729.8	4729.8
2.5°	4999.0	5027.8	5011.4	5003.2	4988.8	4968.2	4951.8	4900.4	4846.9	4812.0
5°	5099.8	5128.5	5126.5	5134.7	5145.0	5151.2	5147.0	5089.5	5013.4	4953.8
7.5°	5013.4	5046.3	5073.0	5114.2	5186.1	5262.2	5299.1	5286.8	5208.7	5126.5
10°	4768.8	4803.8	4867.5	4964.1	5116.2	5280.7	5418.4	5482.1	5432.8	5342.3
12.5°	4320.7	4355.7	4481.0	4690.7	4945.6	5231.3	5494.4	5665.0	5677.4	5586.9
15°	3817.1	3852.1	3985.7	4248.8	4637.3	5095.7	5535.5	5858.3	5967.2	5889.1
17.5°	3504.7	3535.5	3636.2	3847.9	4252.9	4824.3	5521.1	6063.8	6312.5	6250.9
20°	3410.1	3436.8	3484.1	3632.1	3969.2	4542.7	5426.6	6257.0	6684.6	6649.6
22.5°	3510.8	3535.5	3549.9	3615.7	3827.4	4357.7	5307.4	6454.4	7116.2	7120.3
25°	3743.1	3767.8	3751.3	3792.4	3884.9	4300.2	5262.2	6686.6	7658.9	7704.1
27.5°	4125.4	4127.5	4088.4	4086.4	4100.8	4386.5	5309.4	6935.3	8343.4	8427.7
30°	4892.2	4861.3	4711.3	4548.9	4474.9	4645.5	5441.0	7229.3	9151.2	9301.3
32.5°	6074.1	6028.9	5753.4	5364.9	4974.4	5062.8	5677.4	7564.3	10031.0	10302.3
35°	7356.7	7344.4	7056.6	6479.0	5796.6	5656.8	6061.8	8004.2	10990.9	11422.6
37.5°	8548.9	8542.8	8378.3	7698.0	6867.5	6485.2	6678.4	8579.8	12018.7	12643.5
40°	9638.4	9656.9	9492.4	8884.0	8047.4	7547.9	7517.1	9291.0	13161.5	13973.5
42.5°	10579.8	10600.4	10433.9	9983.7	9212.9	8723.7	8546.9	10162.5	14277.7	15402.1
45°	11219.1	11346.5	11321.8	10962.1	10409.2	9901.5	9784.3	11256.1	15550.1	16917.0
47.5°	11400.0	11517.1	11702.1	11751.5	11414.3	10914.9	11054.6	12573.7	16836.8	18434.0
50°	10953.9	11062.8	11447.2	11959.1	12193.4	12039.2	12290.0	13985.8	18154.4	19946.8
52.5°	10074.1	10185.1	10670.2	11480.1	12435.9	12921.0	13529.5	15377.4	19430.9	21379.5
55°	8801.8	8918.9	9541.8	10458.5	11973.4	13284.9	14563.4	16766.9	20600.5	22668.4
57.5°	7071.0	7157.3	7804.8	9087.5	10810.0	12923.1	15326.0	18283.9	21702.3	23934.6
60°	4608.5	4684.5	5436.9	6867.5	8881.9	11714.5	15478.1	19975.6	23165.8	25581.0
62.5°	3064.8	3116.2	3562.2	4612.6	6255.0	9393.8	14588.1	21326.1	25311.8	28446.4
65°	2102.8	2154.2	2600.2	3332.0	4041.2	6213.9	12028.9	21147.3	27256.3	30721.9
67.5°	1500.5	1543.7	1921.9	2612.6	2925.0	3609.5	8154.3	18861.5	26976.7	30808.2
70°	1075.0	1099.7	1412.1	2035.0	2324.8	2168.6	4534.5	14425.7	23620.1	28448.5
72.5°	752.3	760.5	980.5	1549.9	1872.6	1582.8	2158.3	9617.8	17864.6	22329.2
75°	509.8	520.0	659.8	1136.7	1502.6	1208.7	1142.9	5157.3	10487.3	12359.9
77.5°	312.4	316.6	425.5	777.0	1124.4	920.9	735.9	2185.0	4057.6	3983.6
80°	176.8	176.8	271.3	483.0	766.7	594.0	515.9	929.1	1284.7	1128.5
82.5°	98.7	100.7	197.3	300.1	507.7	351.5	283.7	429.6	555.0	491.3
85°	41.1	45.2	121.3	141.8	242.6	174.7	115.1	180.9	205.6	182.9
87.5°	4.1	6.2	37.0	26.7	28.8	34.9	16.4	34.9	28.8	28.8
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°
4729.8	0°	4729.8	4729.8	4729.8	4729.8	4729.8	4729.8	4729.8	4729.8	4729.8	4729.8
4799.7	2.5°	4760.6	4729.8	4651.7	4561.2	4442.0	4384.4	4306.3	4252.9	4207.7	4211.8
4918.9	5°	4853.1	4775.0	4600.3	4382.4	4111.1	3917.8	3712.3	3570.5	3455.3	3430.7
5083.3	7.5°	4980.5	4857.2	4550.9	4158.3	3699.9	3352.6	3042.2	2842.8	2701.0	2655.7
5282.7	10°	5145.0	4966.2	4487.2	3876.7	3216.9	2775.0	2442.0	2285.7	2189.1	2156.2
5517.0	12.5°	5336.1	5091.5	4402.9	3533.5	2719.5	2294.0	2082.2	2004.1	1973.3	1963.0
5804.8	15°	5576.6	5247.8	4275.5	3126.5	2298.1	2000.0	1909.6	1899.3	1903.4	1899.3
6150.1	17.5°	5862.4	5418.4	4067.9	2707.1	2014.4	1850.0	1817.1	1825.3	1835.6	1833.5
6536.6	20°	6174.8	5586.9	3802.7	2335.1	1821.2	1743.1	1724.6	1732.8	1741.0	1736.9
6982.6	22.5°	6530.4	5767.8	3508.8	2045.2	1691.7	1644.4	1623.9	1625.9	1625.9	1617.7
7547.9	25°	6955.9	5967.2	3200.5	1839.7	1593.0	1556.0	1531.4	1523.1	1510.8	1486.1
8234.4	27.5°	7463.6	6178.9	2904.5	1695.8	1514.9	1480.0	1451.2	1430.6	1399.8	1358.7
9058.7	30°	8035.1	6435.9	2653.7	1605.4	1453.3	1418.3	1385.4	1354.6	1309.4	1258.0
10006.3	32.5°	8707.2	6711.3	2470.7	1545.8	1397.8	1360.8	1321.7	1284.7	1235.4	1184.0
11071.1	35°	9508.9	7044.3	2363.9	1504.6	1354.6	1305.3	1262.1	1221.0	1184.0	1138.8
12228.3	37.5°	10378.4	7397.8	2331.0	1484.1	1325.8	1249.8	1200.4	1171.7	1167.5	1140.8
13480.1	40°	11330.1	7817.2	2355.6	1471.8	1295.0	1196.3	1142.9	1136.7	1147.0	1099.7
14818.3	42.5°	12337.3	8314.6	2396.7	1457.4	1251.8	1142.9	1091.5	1091.5	1083.3	1017.5
16232.5	45°	13426.7	8888.1	2437.9	1422.4	1200.4	1089.4	1050.4	1036.0	1001.0	937.3
17654.9	47.5°	14524.4	9471.9	2468.7	1358.7	1138.8	1044.2	1009.3	976.4	925.0	867.4
19050.6	50°	15566.5	9996.0	2435.8	1264.1	1068.9	1001.0	964.0	918.8	863.3	824.3
20372.3	52.5°	16497.7	10450.3	2296.0	1153.2	994.9	955.8	922.9	875.7	830.4	789.3
21564.5	55°	17307.5	10818.2	2049.4	1048.3	929.1	916.8	883.9	824.3	762.6	727.7
22746.5	57.5°	18084.5	11097.8	1741.0	962.0	869.5	873.6	824.3	770.8	713.3	676.3
24339.5	60°	19118.5	11471.9	1428.6	881.8	805.8	818.1	764.7	725.6	653.7	606.4
27071.3	62.5°	20771.1	12053.6	1134.7	783.2	731.8	735.9	713.3	666.0	579.7	524.2
29096.0	65°	22082.5	11839.8	894.2	676.3	647.5	653.7	653.7	602.3	509.8	446.0
29204.9	67.5°	21934.5	10137.9	713.3	571.4	567.3	571.4	585.8	542.7	452.2	400.8
26980.9	70°	20205.8	8063.8	571.4	474.8	493.3	483.0	524.2	495.4	407.0	355.6
20917.0	72.5°	16487.4	5808.9	435.8	392.6	378.2	394.7	472.8	446.0	339.2	281.6
11079.3	75°	9634.3	3099.7	324.8	310.4	273.4	328.9	419.3	380.3	259.0	207.6
3395.7	77.5°	3136.7	1081.2	238.4	228.2	203.5	265.2	357.7	320.7	211.7	164.4
994.9	80°	840.7	326.8	162.4	150.1	131.6	197.3	283.7	254.9	152.1	106.9
427.5	82.5°	337.1	137.7	94.6	84.3	71.9	135.7	224.1	205.6	113.1	67.8
133.6	85°	108.9	45.2	34.9	26.7	32.9	84.3	133.6	139.8	80.2	34.9
20.6	87.5°	14.4	6.2	6.2	8.2	6.2	14.4	41.1	39.1	22.6	4.1
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°
4729.8
4170.7
3375.2
2610.5
2131.6
1956.9
1897.3
1829.4
1734.9
1613.6
1482.0
1354.6
1253.9
1186.0
1134.7
1138.8
1101.8
1017.5
935.3
865.4
818.1
785.2
723.5
672.2
600.2
520.0
439.9
392.6
349.4
275.4
201.4
158.3
104.8
67.8
26.7
0.0
0.0

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