

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: P852932

Luminaire Tested: **GLAN-SB7C-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852932
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-SB7C-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 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: 31534 lumens
Efficiency: N/A
Efficacy: 90.0 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

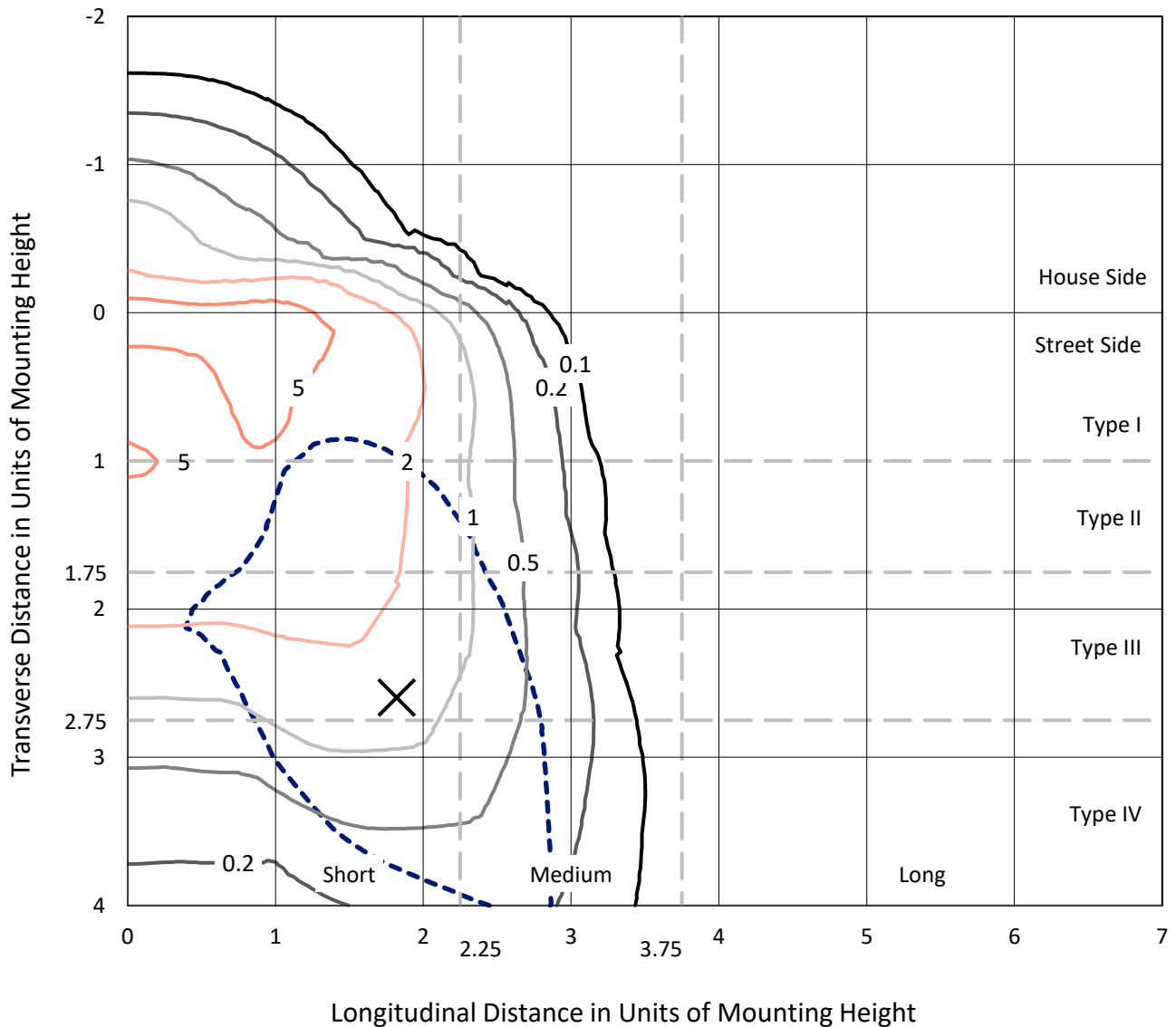
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

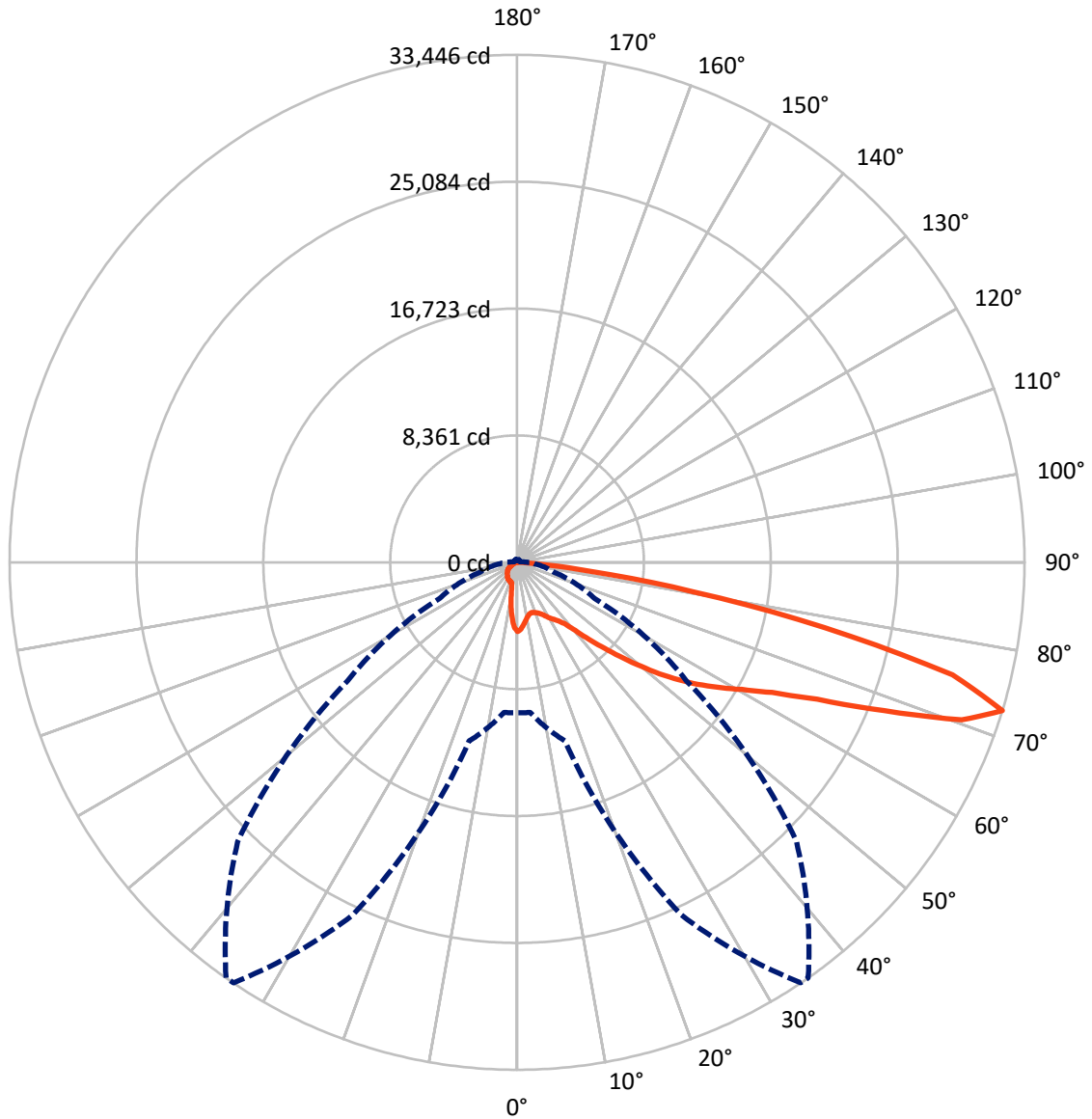
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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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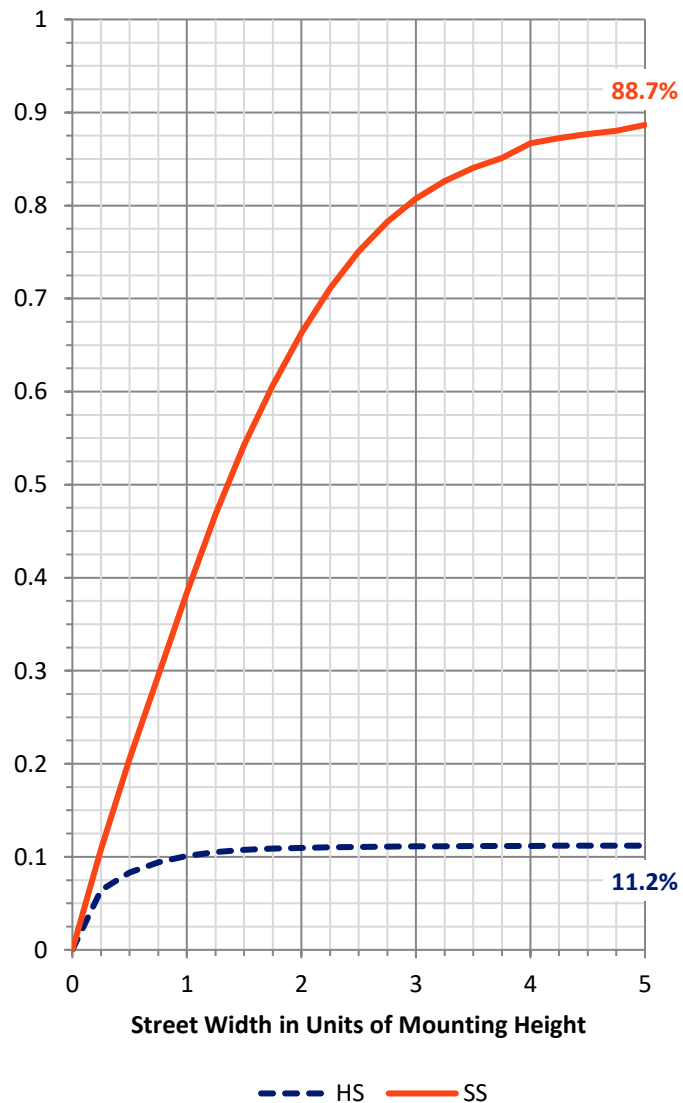
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3549.0	0.0	3549.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	27985.0	0.0	27985.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	31534.0	0.0	31534.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.6	1.2
10°-20°	878.6	2.8
20°-30°	1427.2	4.5
30°-40°	2381.3	7.6
40°-50°	4505.5	14.3
50°-60°	7159.2	22.7
60°-70°	8856.5	28.1
70°-80°	5505.2	17.5
80°-90°	444.9	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°	31534.0	100.0
0°-180°	31534.0	100.0

Coefficient of Utilization

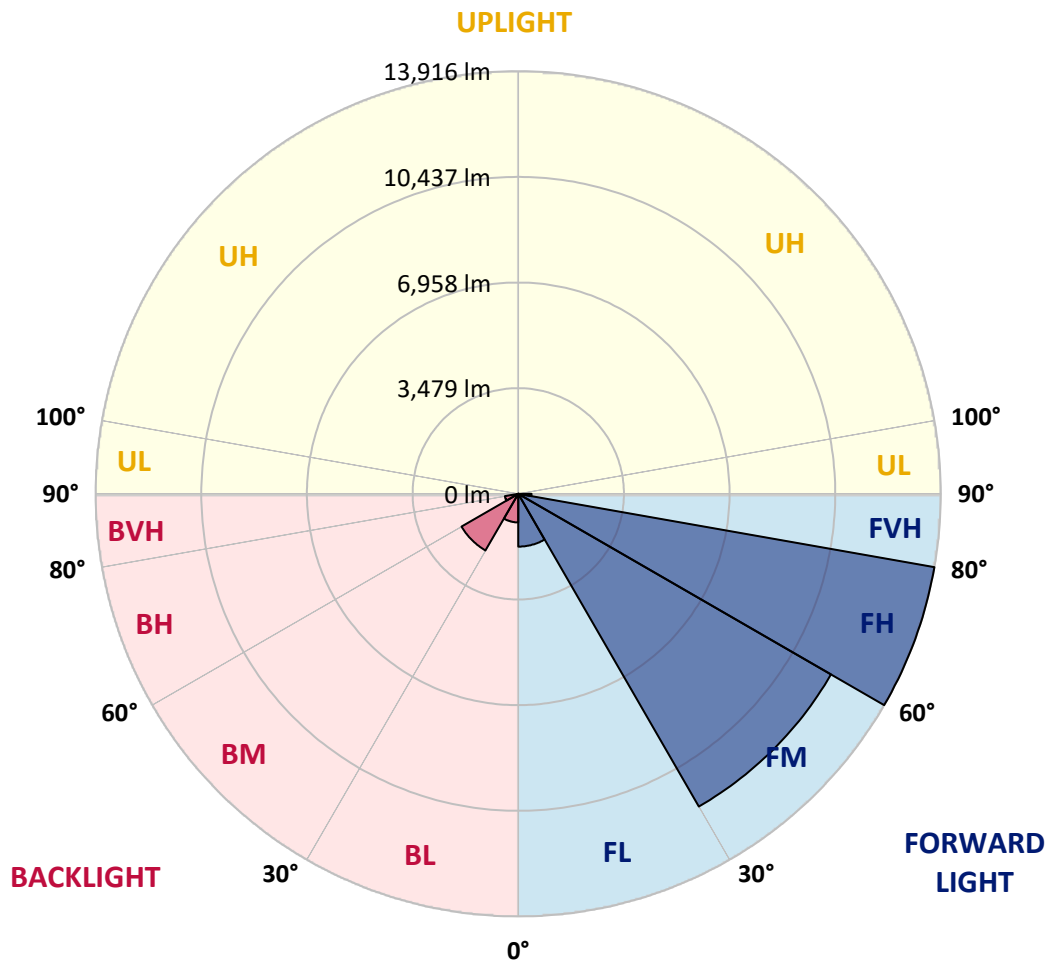


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1738.3	5.5			
FM (30°-60°)	11891.5	37.7			
FH (60°-80°)	13916.3	44.1			G5
FVH (80°-90°)	438.9	1.4			G3/500
BL (0°-30°)	943.0	3.0	B2/1000		
BM (30°-60°)	2154.6	6.8	B2/2500		
BH (60°-80°)	445.4	1.4	B1/500		G1/500
BVH (80°-90°)	6.1	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°	4570.3	4570.3	4570.3	4570.3	4570.3	4570.3	4570.3	4570.3	4570.3	4570.3
2.5°	4367.0	4404.0	4410.9	4422.5	4422.5	4436.3	4459.4	4491.8	4544.9	4572.6
5°	4025.0	4052.8	4087.4	4115.1	4168.3	4175.2	4265.3	4353.1	4475.6	4568.0
7.5°	3680.8	3713.1	3759.3	3826.3	3895.6	3916.4	4052.8	4200.6	4394.7	4568.0
10°	3438.1	3440.5	3482.0	3549.1	3660.0	3685.4	3851.7	4062.0	4304.6	4540.3
12.5°	3301.8	3318.0	3336.5	3387.3	3493.6	3509.8	3687.7	3934.9	4214.5	4524.1
15°	3301.8	3313.4	3324.9	3350.3	3435.8	3449.7	3606.8	3854.1	4168.3	4531.1
17.5°	3336.5	3355.0	3345.7	3375.8	3465.9	3475.1	3613.8	3830.9	4166.0	4575.0
20°	3419.7	3433.5	3415.0	3433.5	3523.6	3542.1	3685.4	3874.8	4205.3	4651.2
22.5°	3551.4	3558.3	3514.4	3528.3	3620.7	3643.8	3810.2	3999.6	4300.0	4773.7
25°	3717.7	3731.6	3664.6	3680.8	3768.6	3796.3	3988.1	4186.8	4450.2	4942.3
27.5°	3909.5	3916.4	3858.7	3856.4	3969.6	4008.9	4203.0	4417.8	4651.2	5154.9
30°	4129.0	4149.8	4094.4	4085.1	4228.4	4260.7	4452.5	4702.0	4947.0	5473.8
32.5°	4302.3	4318.5	4286.1	4309.2	4454.8	4480.2	4755.2	5104.1	5411.4	5926.6
35°	4551.8	4561.1	4487.2	4528.7	4695.1	4759.8	5168.8	5667.9	5996.0	6495.0
37.5°	5455.3	5455.3	5141.0	4935.4	5094.8	5152.6	5734.9	6377.2	6716.9	7257.5
40°	6705.3	6684.5	6224.7	5804.2	5783.4	5896.6	6541.3	7271.4	7648.0	8172.5
42.5°	8038.5	8006.2	7380.0	6964.1	6894.8	6934.1	7472.4	8373.6	8757.1	9288.5
45°	9221.5	9212.3	8639.3	8080.1	7955.3	8080.1	8634.6	9662.9	9937.8	10497.0
47.5°	10212.8	10212.8	9794.6	9429.5	9364.8	9438.7	10208.2	11093.1	11067.7	11784.0
50°	11354.2	11345.0	10947.5	10790.4	10857.4	10961.4	12019.7	12599.6	12236.8	13047.9
52.5°	12153.7	12209.1	12072.8	12047.4	12389.3	12569.6	13858.9	14073.8	13283.5	14247.1
55°	12786.8	12851.5	13008.6	13186.5	13845.0	14080.7	15640.3	15471.7	14159.3	15286.8
57.5°	13683.3	13590.9	13833.5	14184.7	15249.9	15534.1	17366.3	16791.0	14864.0	16130.2
60°	14771.6	14785.4	14827.0	15270.6	16652.4	17017.4	19066.9	18038.7	15316.9	16647.8
62.5°	16079.3	16100.1	16185.6	16867.3	18535.5	18879.8	20878.4	19060.0	15524.8	16502.2
65°	15989.2	16077.0	17031.3	19362.7	21398.3	21738.0	22992.6	19776.3	15210.6	15171.3
67.5°	14565.9	14709.2	16305.8	22343.3	25714.5	26093.4	25548.1	19917.2	13854.3	11797.8
70°	12699.0	12749.8	14669.9	25023.6	30712.3	31095.8	27835.6	18366.8	10513.2	6580.5
72.5°	9917.0	9928.6	12181.4	25645.2	33424.9	33445.7	26040.3	13634.8	5654.0	2527.8
75°	7084.2	7014.9	8158.7	20797.6	29406.8	29642.5	19522.1	6395.7	2160.4	1194.6
77.5°	3798.6	3874.8	4616.5	12333.9	20314.6	20716.7	10651.8	1843.8	1099.8	813.3
80°	1173.8	1238.5	1892.4	5647.1	11506.7	11749.3	3948.8	820.3	767.1	580.0
82.5°	369.7	383.6	882.6	2373.0	4776.0	4886.9	1143.7	464.4	524.5	383.6
85°	106.3	108.6	392.8	885.0	1180.7	1203.8	321.2	180.2	300.4	238.0
87.5°	11.6	37.0	147.9	147.9	104.0	101.7	34.7	39.3	85.5	30.0
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°
4570.3	0°	4570.3	4570.3	4570.3	4570.3	4570.3	4570.3	4570.3	4570.3	4570.3	4570.3
4591.1	2.5°	4579.6	4581.9	4551.8	4501.0	4445.6	4399.4	4341.6	4295.4	4263.0	4253.8
4632.7	5°	4611.9	4595.8	4510.3	4355.4	4170.6	4011.2	3833.3	3692.3	3599.9	3560.6
4676.6	7.5°	4660.4	4614.2	4427.1	4122.1	3768.6	3454.3	3135.5	2888.2	2731.1	2652.5
4718.2	10°	4702.0	4609.6	4288.4	3784.7	3244.1	2768.1	2338.3	2040.2	1873.9	1795.3
4766.7	12.5°	4741.3	4607.3	4108.2	3385.0	2652.5	2070.3	1670.6	1522.7	1476.5	1460.3
4845.3	15°	4815.3	4614.2	3881.8	2927.5	2063.4	1564.3	1418.7	1416.4	1425.6	1421.0
4965.4	17.5°	4916.9	4621.2	3625.3	2442.3	1592.0	1379.4	1372.5	1393.3	1407.1	1400.2
5115.6	20°	5048.6	4648.9	3352.7	1961.7	1367.9	1333.2	1349.4	1367.9	1379.4	1367.9
5316.7	22.5°	5233.5	4697.4	3054.6	1575.8	1296.2	1305.5	1319.3	1340.1	1351.7	1335.5
5573.1	25°	5459.9	4773.7	2761.1	1370.2	1261.6	1273.1	1293.9	1317.0	1330.9	1314.7
5896.6	27.5°	5753.4	4896.1	2490.8	1324.0	1226.9	1233.9	1263.9	1298.5	1317.0	1296.2
6356.4	30°	6178.5	5097.1	2257.4	1344.8	1206.1	1190.0	1231.5	1280.1	1300.9	1282.4
6982.6	32.5°	6742.3	5381.3	2114.2	1377.1	1196.9	1139.1	1178.4	1240.8	1275.4	1263.9
7800.5	35°	7481.7	5813.4	2058.7	1414.1	1190.0	1086.0	1113.7	1180.7	1240.8	1252.3
8831.0	37.5°	8378.2	6414.2	2074.9	1430.3	1169.2	1042.1	1055.9	1113.7	1192.3	1229.2
9991.0	40°	9397.1	7114.3	2167.3	1414.1	1146.0	1005.1	1007.4	1051.3	1120.6	1176.1
11238.7	42.5°	10448.5	7932.2	2338.3	1354.0	1125.3	972.8	965.8	995.9	1042.1	1081.4
12484.1	45°	11448.9	8773.3	2507.0	1270.8	1099.8	940.4	924.2	935.8	945.0	961.2
13697.1	47.5°	12322.3	9364.8	2458.5	1194.6	1065.2	903.4	875.7	871.1	843.4	841.1
14780.8	50°	12925.4	9494.2	2183.5	1118.3	1014.3	861.8	817.9	790.2	741.7	718.6
15591.8	52.5°	13117.2	8983.5	1783.8	1042.1	931.2	806.4	744.0	700.1	640.0	619.2
16058.6	55°	12863.0	7983.1	1425.6	949.6	815.6	732.5	663.1	605.4	556.9	531.4
16109.4	57.5°	12241.5	6709.9	1127.6	841.1	693.2	649.3	580.0	522.2	480.6	455.2
15545.6	60°	11211.0	5328.2	891.9	711.7	591.5	559.2	487.5	450.6	413.6	383.6
14089.9	62.5°	9646.7	3803.2	700.1	563.8	494.5	457.5	415.9	388.2	344.3	302.7
11472.0	65°	7527.9	2326.8	540.7	413.6	397.4	378.9	353.5	328.1	275.0	233.4
7484.0	67.5°	4748.2	1102.1	385.9	311.9	314.2	305.0	293.4	272.6	233.4	196.4
3352.7	70°	2091.1	533.7	254.2	238.0	233.4	233.4	242.6	235.7	198.7	164.1
1164.5	72.5°	711.7	286.5	189.5	180.2	168.7	166.4	203.3	196.4	159.4	127.1
580.0	75°	372.0	191.8	138.6	129.4	101.7	122.5	161.7	152.5	113.2	83.2
383.6	77.5°	242.6	136.3	94.7	83.2	57.8	80.9	120.2	106.3	67.0	41.6
251.9	80°	152.5	90.1	55.5	39.3	27.7	43.9	64.7	46.2	25.4	9.2
147.9	82.5°	80.9	46.2	20.8	13.9	11.6	13.9	16.2	11.6	4.6	0.0
76.2	85°	32.3	16.2	6.9	4.6	2.3	0.0	4.6	2.3	0.0	0.0
13.9	87.5°	11.6	2.3	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

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180°
4570.3
4270.0
3574.5
2664.1
1797.6
1455.7
1418.7
1397.9
1365.6
1333.2
1312.4
1296.2
1280.1
1263.9
1252.3
1238.5
1194.6
1097.5
970.4
838.7
720.9
616.9
531.4
450.6
376.6
295.8
226.4
191.8
157.1
120.2
76.2
37.0
6.9
0.0
0.0
0.0
0.0

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