

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: P850116

Luminaire Tested: **GLAN-SB7C-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41267 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

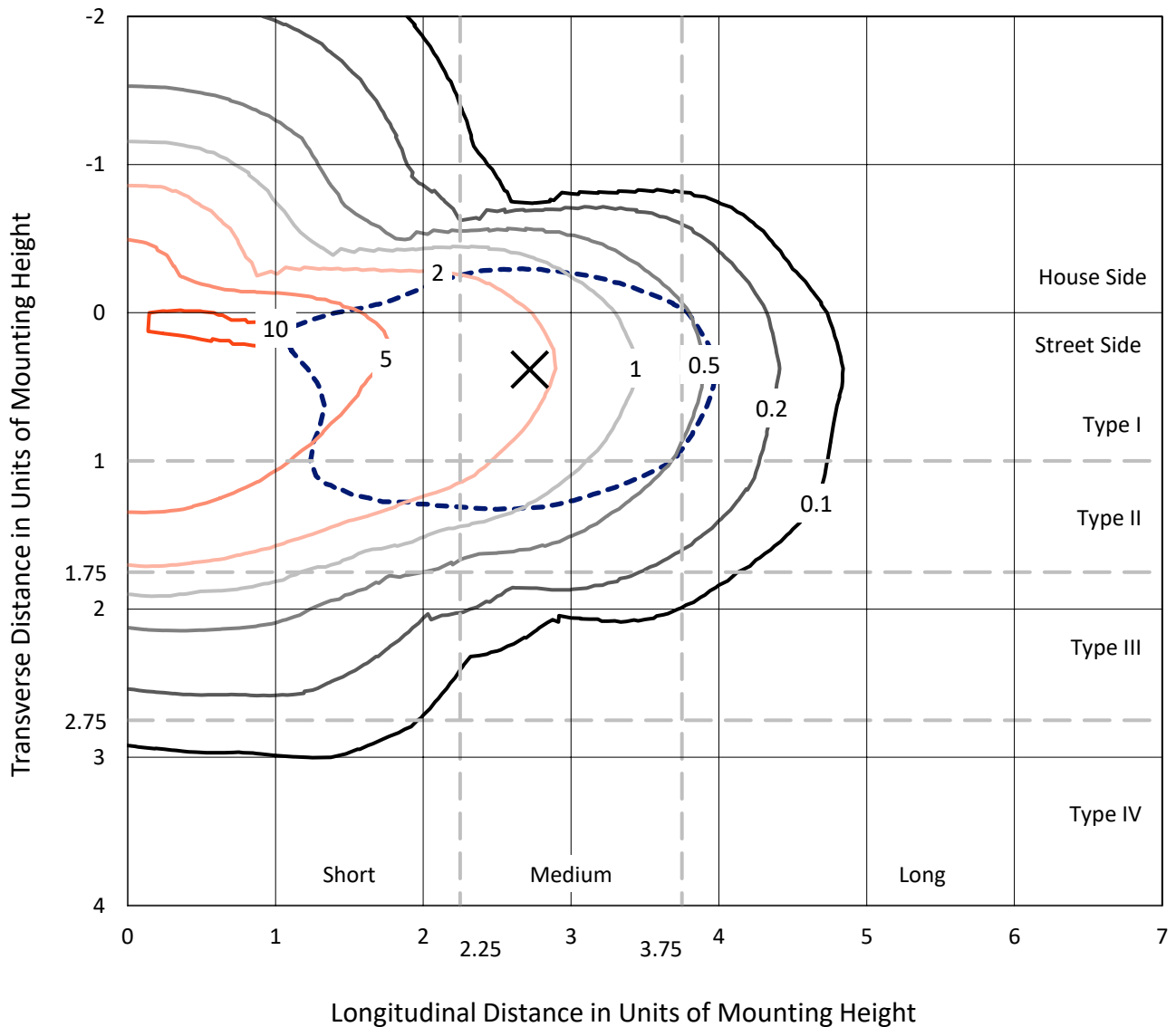
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

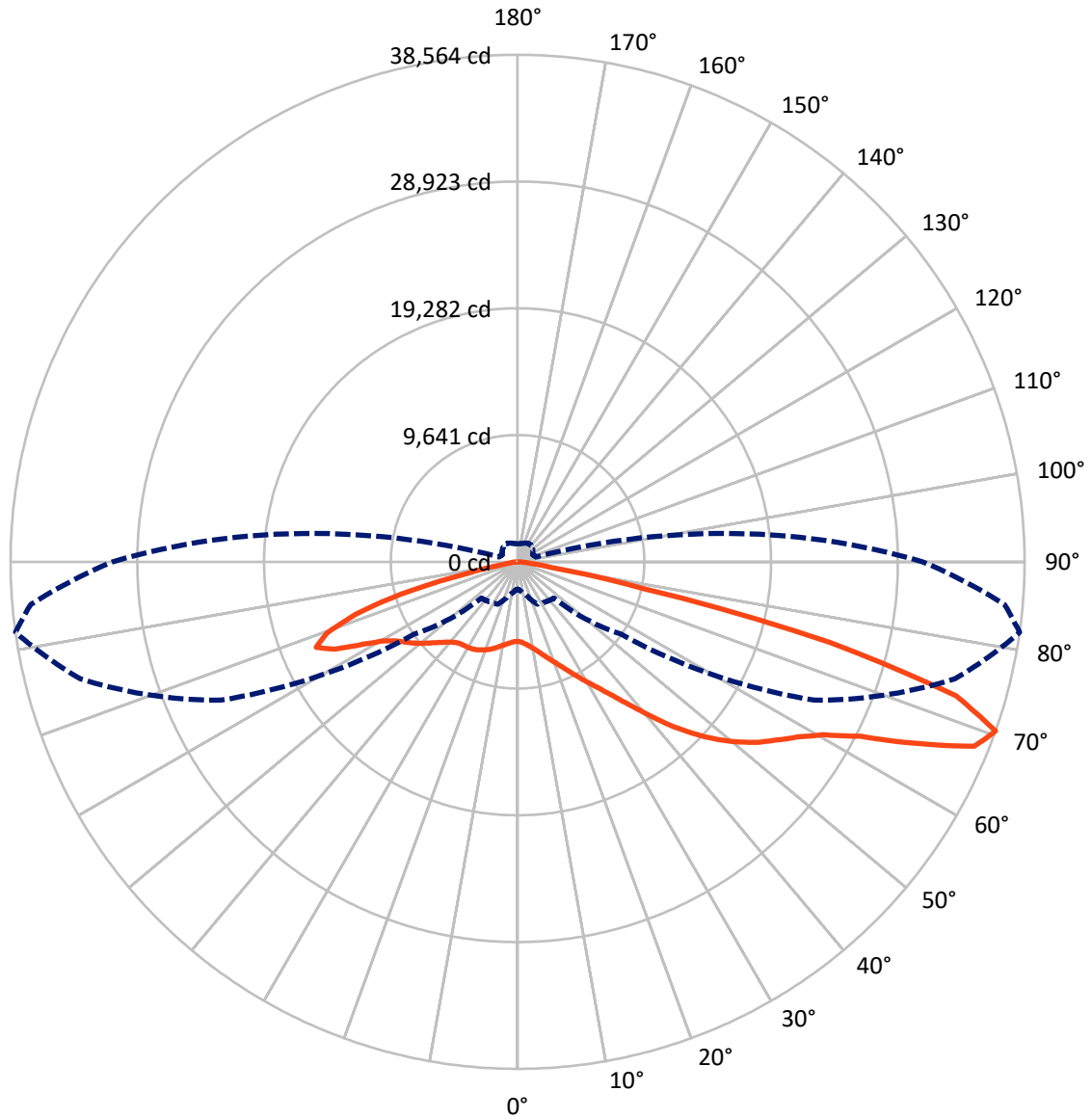
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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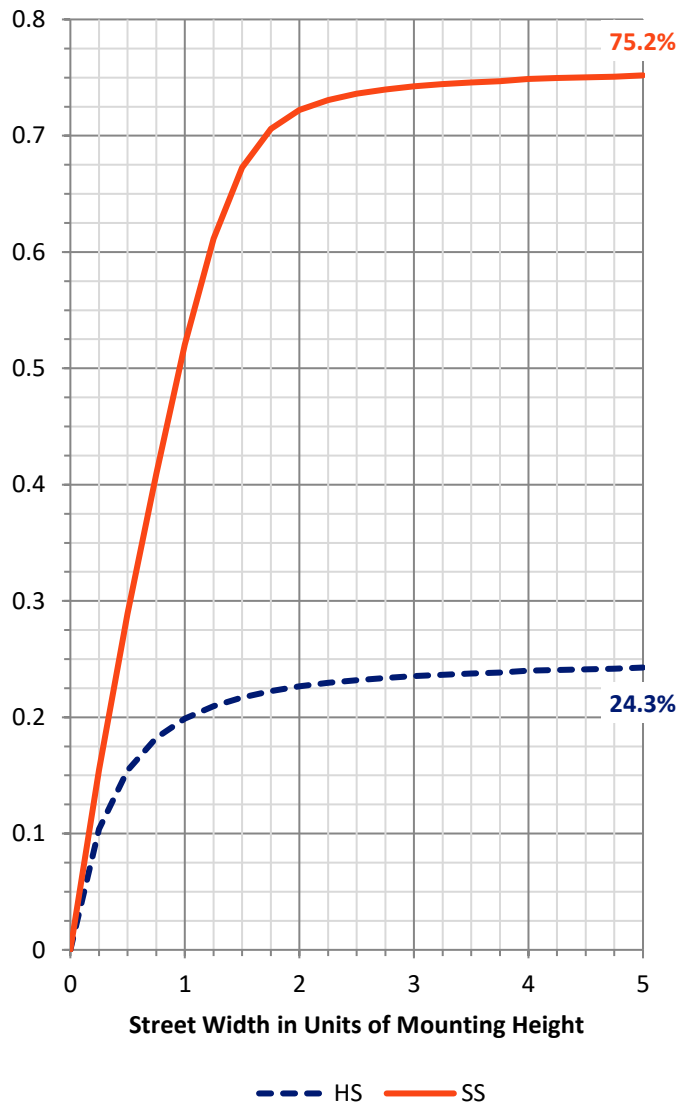
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10173.3	0.0	10173.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	31093.7	0.0	31093.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	41267.0	0.0	41267.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.3	1.4
10°-20°	1641.2	4.0
20°-30°	2745.6	6.7
30°-40°	4289.4	10.4
40°-50°	6831.3	16.6
50°-60°	9506.6	23.0
60°-70°	9944.4	24.1
70°-80°	5197.5	12.6
80°-90°	539.7	1.3
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°	41267.0	100.0
0°-180°	41267.0	100.0

Coefficient of Utilization

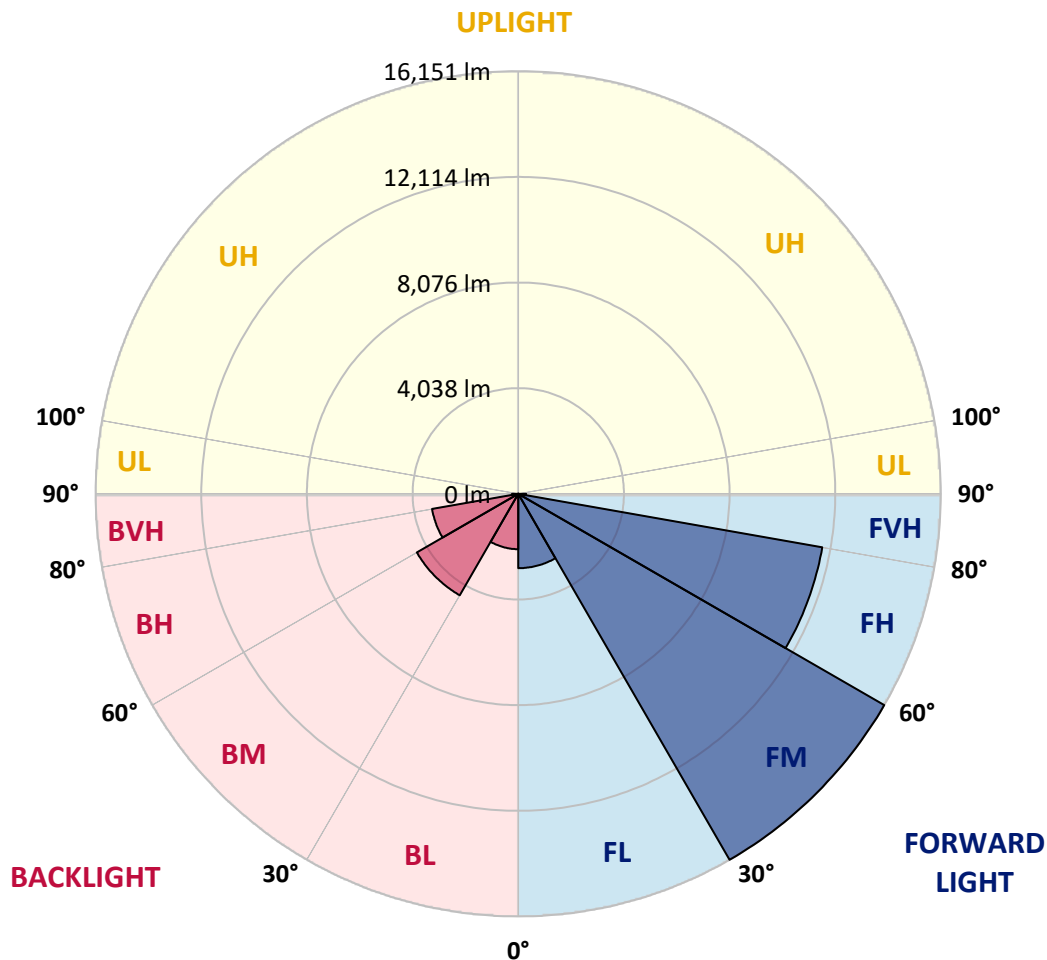


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2841.7	6.9			
FM (30°-60°)	16151.5	39.1			
FH (60°-80°)	11798.4	28.6			G4/12000
FVH (80°-90°)	302.1	0.7			G3/500
BL (0°-30°)	2116.4	5.1	B3/2500		
BM (30°-60°)	4475.9	10.8	B3/5000		
BH (60°-80°)	3343.5	8.1	B4/5000		G4/5000
BVH (80°-90°)	237.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6050.3	6050.3	6050.3	6050.3	6050.3	6050.3	6050.3	6050.3	6050.3	6050.3
2.5°	6194.8	6229.8	6218.9	6207.9	6207.9	6192.6	6190.4	6168.5	6151.0	6122.5
5°	6273.6	6310.8	6306.5	6315.2	6343.7	6350.3	6356.8	6343.7	6308.6	6273.6
7.5°	6203.5	6245.1	6258.3	6310.8	6398.4	6477.3	6536.4	6560.5	6527.6	6477.3
10°	5967.0	6013.0	6059.0	6183.8	6339.3	6525.4	6683.1	6777.3	6770.7	6722.5
12.5°	5487.5	5535.7	5634.2	5877.3	6161.9	6490.4	6783.8	6980.9	7048.8	7013.7
15°	5104.3	5145.9	5220.3	5470.0	5840.0	6339.3	6821.0	7204.3	7377.2	7357.5
17.5°	5093.3	5110.9	5156.8	5275.1	5559.8	6102.8	6781.6	7423.2	7753.9	7751.7
20°	5286.0	5292.6	5318.9	5343.0	5505.0	5923.3	6680.9	7605.0	8176.5	8176.5
22.5°	5553.2	5548.8	5575.1	5553.2	5632.0	5907.9	6617.4	7764.8	8647.3	8682.3
25°	5953.9	5932.0	5925.4	5875.1	5890.4	6050.3	6687.5	7946.6	9205.7	9277.9
27.5°	6488.2	6453.2	6429.1	6313.0	6273.6	6343.7	6902.1	8165.5	9827.6	9952.4
30°	7184.5	7121.0	7086.0	6884.6	6742.2	6753.2	7226.1	8456.8	10477.9	10679.4
32.5°	8134.9	8036.4	7942.2	7611.5	7351.0	7265.6	7644.4	8859.7	11183.0	11504.9
35°	9199.1	9120.3	9019.5	8509.3	8108.6	7911.5	8209.3	9422.5	12008.5	12518.8
37.5°	10223.9	10156.0	10204.2	9516.6	8999.8	8713.0	8949.5	10177.9	13026.8	13780.0
40°	11283.7	11231.2	11237.8	10580.8	9978.7	9656.8	9847.3	11126.1	14193.9	15280.0
42.5°	12435.5	12396.1	12264.7	11682.3	11005.6	10705.7	10880.8	12221.0	15446.4	16988.0
45°	13725.3	13701.2	13578.6	12910.7	12135.6	11798.3	12034.8	13429.7	16705.5	18595.3
47.5°	14839.9	14859.6	14844.3	14281.5	13477.9	12983.0	13265.5	14691.0	17877.1	20106.2
50°	15376.4	15479.3	15630.4	15455.2	14955.9	14452.3	14507.0	15908.5	18993.8	21523.0
52.5°	15096.1	15291.0	15702.6	15982.9	16175.6	16070.5	15923.8	17117.2	20044.9	22801.8
55°	14051.6	14325.3	15008.5	15685.1	16668.3	17432.5	17625.2	18457.3	21069.7	23927.3
57.5°	12148.7	12593.2	13206.3	14574.9	16230.4	18091.7	19609.1	20316.4	22155.8	25129.5
60°	8886.0	9481.6	10243.6	12280.1	14697.6	17739.1	21297.4	23171.9	23699.6	26686.4
62.5°	5686.8	6054.6	6755.4	8673.6	11452.4	15932.6	21814.2	26741.1	26316.3	29239.6
65°	3893.4	4129.9	4771.4	5848.8	7403.5	11859.6	20430.3	29417.0	30472.5	33286.3
67.5°	2829.1	3008.7	3556.1	4499.9	4824.0	7018.1	15853.7	29294.4	34512.5	37455.5
70°	2062.7	2189.7	2649.6	3556.1	3711.6	3904.3	9604.2	24901.8	34424.9	38563.6
72.5°	1528.4	1616.0	1924.8	2759.1	3004.3	2636.4	4753.9	18098.2	29581.2	34880.4
75°	1105.8	1171.5	1399.2	2110.9	2404.3	2008.0	2371.5	10576.5	20633.9	24536.1
77.5°	845.2	895.6	1044.5	1546.0	1924.8	1506.5	1471.5	4865.6	9783.8	9831.9
80°	678.8	711.7	792.7	1088.3	1475.9	1127.7	959.1	1964.2	3091.9	2616.7
82.5°	499.3	554.0	670.1	764.2	1055.5	777.4	584.7	992.0	1175.9	1011.7
85°	284.7	321.9	405.1	547.4	674.4	475.2	335.0	440.1	547.4	448.9
87.5°	100.7	131.4	142.3	214.6	293.4	197.1	129.2	127.0	179.6	133.6
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°
6050.3	0°	6050.3	6050.3	6050.3	6050.3	6050.3	6050.3	6050.3	6050.3	6050.3	6050.3
6116.0	2.5°	6094.1	6083.1	6039.3	5980.2	5918.9	5859.8	5840.0	5798.4	5770.0	5754.6
6258.3	5°	6216.7	6181.6	6078.7	5947.3	5809.4	5660.5	5555.4	5459.0	5389.0	5323.3
6453.2	7.5°	6391.9	6330.5	6153.2	5923.3	5678.0	5430.6	5246.6	5106.5	5012.3	4951.0
6680.9	10°	6595.5	6501.3	6229.8	5886.0	5507.2	5152.5	4935.7	4815.2	4756.1	4723.3
6941.5	12.5°	6829.8	6696.2	6308.6	5800.6	5246.6	4841.5	4692.6	4657.6	4659.8	4662.0
7269.9	15°	7118.9	6932.7	6372.2	5614.5	4907.2	4602.8	4576.6	4633.5	4692.6	4721.1
7642.2	17.5°	7445.1	7182.4	6383.1	5307.9	4574.4	4449.6	4532.8	4655.4	4745.2	4784.6
8058.3	20°	7795.5	7436.4	6304.3	4874.4	4300.7	4324.7	4473.6	4631.3	4729.8	4780.2
8533.4	22.5°	8196.2	7707.9	6116.0	4418.9	4077.3	4189.0	4364.2	4517.4	4620.4	4670.7
9091.8	25°	8653.9	8012.3	5820.3	4035.7	3884.6	4035.7	4210.9	4337.9	4421.1	4467.1
9715.9	27.5°	9161.9	8329.8	5426.2	3731.3	3716.0	3878.0	4022.6	4121.1	4164.9	4199.9
10379.4	30°	9672.1	8618.8	4948.8	3501.4	3569.3	3722.6	3825.5	3869.3	3882.4	3889.0
11119.5	32.5°	10223.9	8868.5	4447.4	3310.9	3429.1	3571.5	3632.8	3652.5	3591.2	3549.6
12017.3	35°	10891.8	9135.6	3956.9	3159.8	3291.2	3413.8	3433.5	3416.0	3343.7	3258.3
13142.8	37.5°	11717.3	9468.4	3564.9	3052.5	3162.0	3243.0	3218.9	3214.5	3221.1	3120.4
14496.1	40°	12729.0	9902.0	3278.0	2969.3	3056.9	3074.4	3006.5	3043.7	3076.6	2923.3
15980.7	42.5°	13852.3	10425.4	3096.3	2912.4	2969.3	2927.7	2822.6	2864.2	2859.8	2658.3
17472.0	45°	14997.5	10994.7	3032.8	2870.8	2888.3	2805.1	2689.0	2700.0	2608.0	2426.2
18901.9	47.5°	16136.2	11605.6	3072.2	2835.7	2787.5	2693.4	2603.6	2555.4	2419.7	2283.9
20272.6	50°	17253.0	12247.2	3216.7	2765.6	2649.6	2594.8	2529.2	2443.8	2299.2	2183.2
21569.0	52.5°	18288.7	12893.2	3378.8	2649.6	2476.6	2509.4	2467.8	2369.3	2227.0	2108.7
22795.2	55°	19269.7	13539.2	3442.3	2489.7	2314.6	2435.0	2410.9	2229.2	2058.4	1962.0
24078.4	57.5°	20338.3	14316.5	3372.2	2286.1	2183.2	2349.6	2257.6	2056.2	1957.6	1885.4
25749.2	60°	21818.6	15536.2	3221.1	2034.3	2058.4	2222.6	2064.9	1981.7	1874.4	1793.4
28254.2	62.5°	24277.7	17811.4	2978.0	1784.6	1911.6	2034.3	1973.0	1889.7	1780.3	1701.4
32537.4	65°	27912.6	20973.4	2520.4	1589.8	1747.4	1850.3	1874.4	1791.2	1677.3	1594.1
36290.6	67.5°	30978.3	22957.3	1907.3	1427.7	1578.8	1701.4	1769.3	1688.3	1567.9	1486.8
37168.7	70°	30809.7	21516.4	1456.2	1267.9	1429.9	1554.7	1642.3	1578.8	1449.6	1373.0
33761.4	72.5°	27365.2	17999.7	1178.1	1105.8	1278.8	1401.4	1506.5	1458.4	1327.0	1252.5
24733.1	75°	20104.0	12777.1	941.6	941.6	1090.5	1241.6	1357.6	1327.0	1206.5	1154.0
10383.8	77.5°	8474.3	5360.5	737.9	781.7	906.6	1066.4	1210.9	1221.9	1116.8	1182.5
2745.9	80°	2253.2	1478.1	562.8	615.3	711.7	880.3	1053.3	1048.9	935.0	873.7
1020.4	82.5°	858.4	582.5	400.7	433.6	514.6	674.4	834.3	860.6	746.7	646.0
400.7	85°	330.7	249.6	247.4	260.6	300.0	446.7	630.6	652.5	562.8	477.4
111.7	87.5°	85.4	74.5	92.0	87.6	138.0	238.7	361.3	374.4	343.8	199.3
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°
6050.3
5772.2
5349.5
4964.1
4732.0
4666.3
4718.9
4793.3
4793.3
4683.9
4480.2
4213.1
3904.3
3562.7
3262.7
3127.0
2927.7
2656.2
2432.8
2283.9
2174.4
2110.9
1953.3
1878.8
1789.0
1701.4
1598.5
1489.0
1379.5
1252.5
1138.7
1073.0
812.4
646.0
492.7
284.7
0.0

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