

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: P849796

Luminaire Tested: **GLAN-SB7A-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849796
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-SB7A-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30534 lumens
Efficiency: N/A
Efficacy: 153.4 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

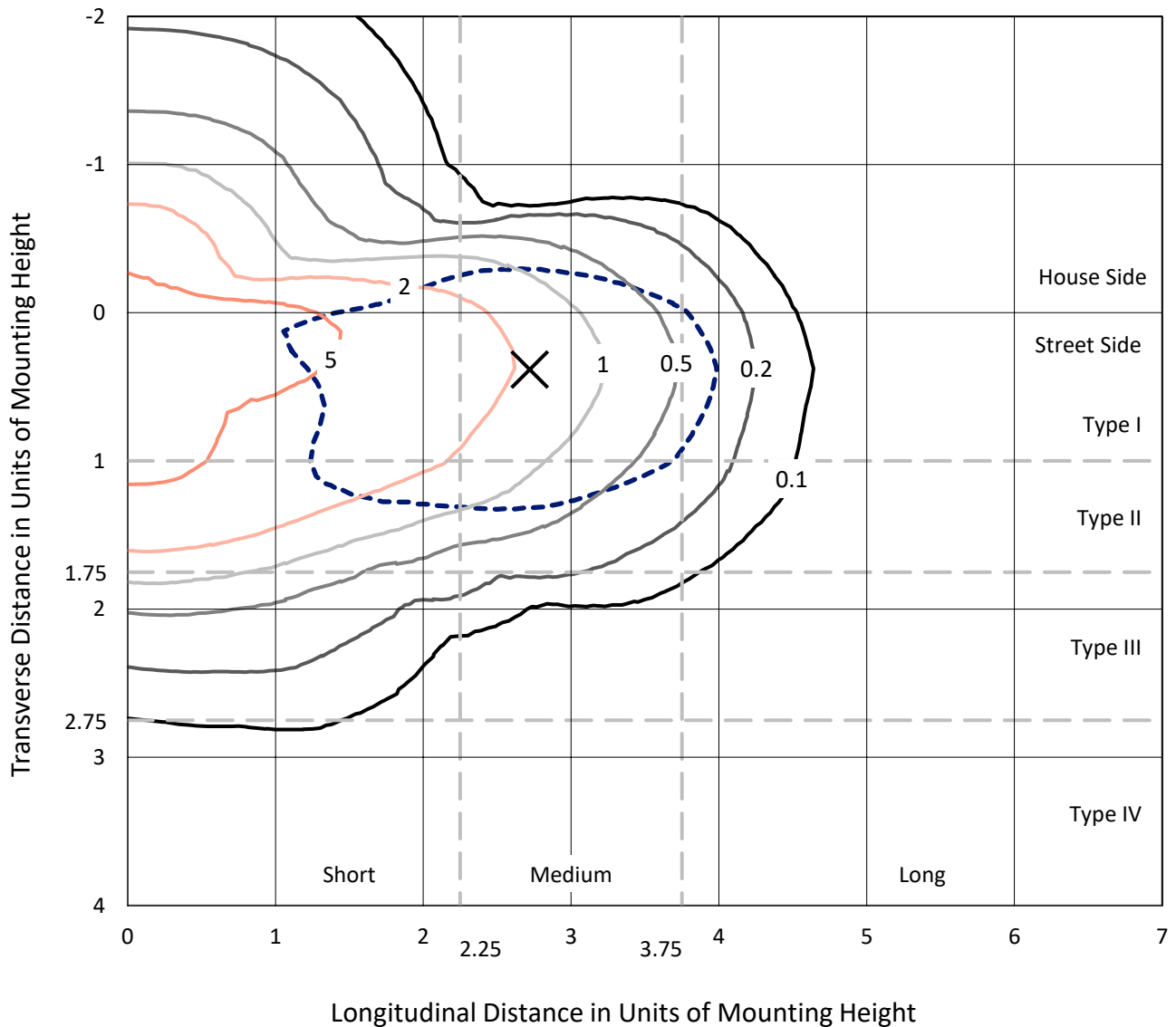
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

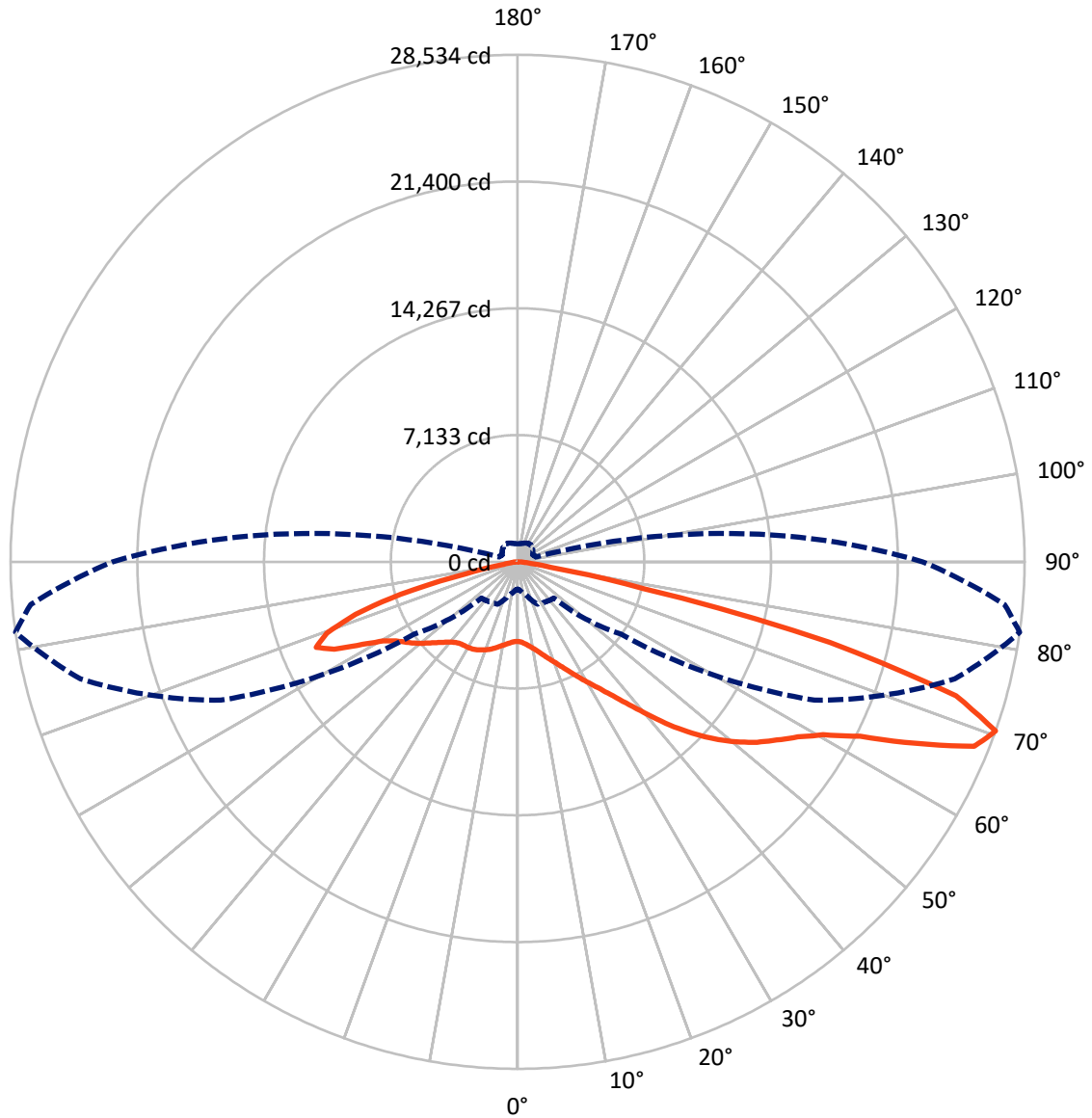
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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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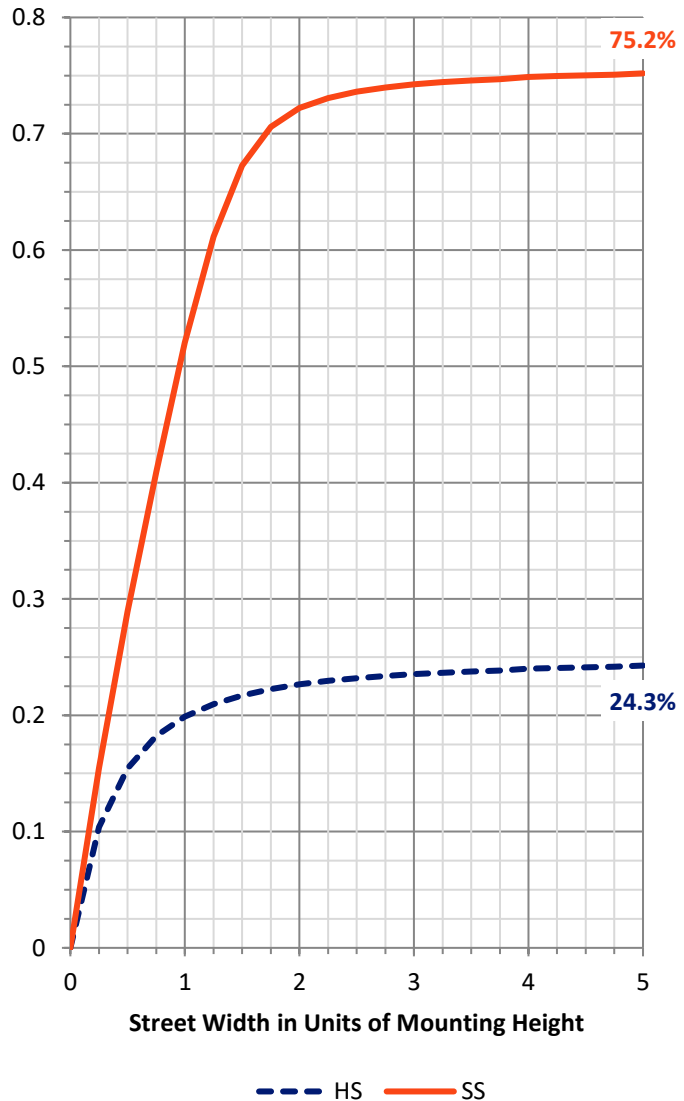
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7527.4	0.0	7527.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	23006.6	0.0	23006.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	30534.0	0.0	30534.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.7	1.4
10°-20°	1214.4	4.0
20°-30°	2031.5	6.7
30°-40°	3173.8	10.4
40°-50°	5054.6	16.6
50°-60°	7034.1	23.0
60°-70°	7358.0	24.1
70°-80°	3845.7	12.6
80°-90°	399.3	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°	30534.0	100.0
0°-180°	30534.0	100.0

Coefficient of Utilization

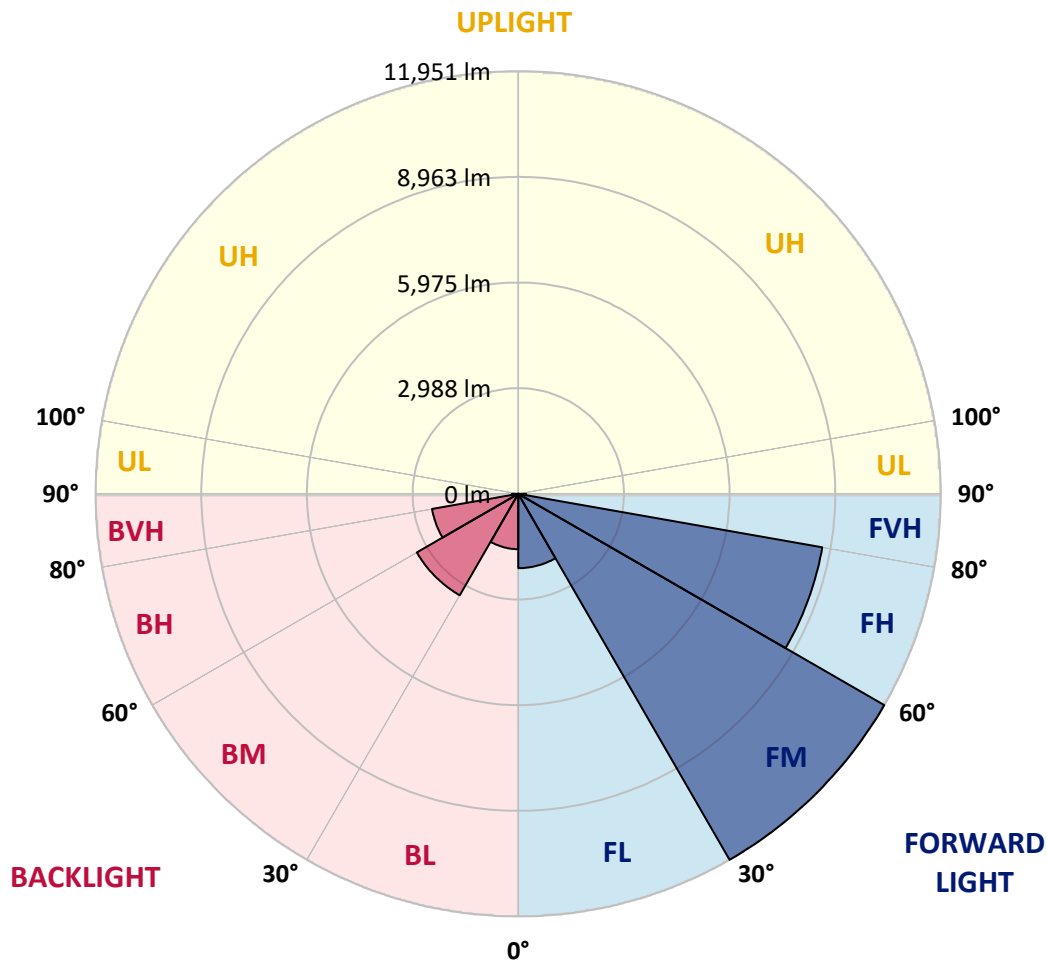


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2102.6	6.9			
FM (30°-60°)	11950.7	39.1			
FH (60°-80°)	8729.8	28.6			G4/12000
FVH (80°-90°)	223.5	0.7			G2/225
BL (0°-30°)	1566.0	5.1	B3/2500		
BM (30°-60°)	3311.8	10.8	B3/5000		
BH (60°-80°)	2473.9	8.1	B3/2500		G3/2500
BVH (80°-90°)	175.8	0.6			G2/225
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°	4476.7	4476.7	4476.7	4476.7	4476.7	4476.7	4476.7	4476.7	4476.7	4476.7
2.5°	4583.6	4609.5	4601.4	4593.3	4593.3	4582.0	4580.4	4564.2	4551.2	4530.1
5°	4641.9	4669.5	4666.2	4672.7	4693.8	4698.6	4703.5	4693.8	4667.9	4641.9
7.5°	4590.1	4620.9	4630.6	4669.5	4734.3	4792.6	4836.4	4854.2	4829.9	4792.6
10°	4415.1	4449.1	4483.1	4575.5	4690.5	4828.3	4944.9	5014.6	5009.7	4974.1
12.5°	4060.3	4095.9	4168.8	4348.7	4559.3	4802.3	5019.4	5165.3	5215.5	5189.6
15°	3776.7	3807.5	3862.6	4047.3	4321.1	4690.5	5047.0	5330.5	5458.5	5443.9
17.5°	3768.6	3781.6	3815.6	3903.1	4113.7	4515.6	5017.8	5492.5	5737.2	5735.6
20°	3911.2	3916.1	3935.5	3953.3	4073.2	4382.7	4943.3	5627.0	6049.9	6049.9
22.5°	4108.9	4105.6	4125.1	4108.9	4167.2	4371.4	4896.3	5745.3	6398.2	6424.2
25°	4405.4	4389.2	4384.3	4347.0	4358.4	4476.7	4948.2	5879.8	6811.4	6864.9
27.5°	4800.7	4774.8	4757.0	4671.1	4641.9	4693.8	5106.9	6041.8	7271.5	7363.9
30°	5315.9	5269.0	5243.0	5094.0	4988.7	4996.8	5346.7	6257.3	7752.7	7901.8
32.5°	6019.1	5946.2	5876.5	5631.9	5439.1	5375.9	5656.2	6555.4	8274.5	8512.6
35°	6806.5	6748.2	6673.7	6296.2	5999.7	5853.9	6074.2	6971.8	8885.3	9262.8
37.5°	7564.8	7514.6	7550.2	7041.5	6659.1	6446.9	6621.8	7530.8	9638.7	10196.0
40°	8349.0	8310.1	8315.0	7828.9	7383.3	7145.2	7286.1	8232.3	10502.3	11305.9
42.5°	9201.2	9172.1	9074.8	8643.9	8143.2	7921.3	8050.9	9042.4	11429.0	12569.7
45°	10155.5	10137.7	10047.0	9552.8	8979.3	8729.7	8904.7	9936.8	12360.7	13758.9
47.5°	10980.2	10994.8	10983.5	10567.1	9972.5	9606.3	9815.3	10870.1	13227.5	14876.9
50°	11377.2	11453.3	11565.1	11435.5	11066.1	10693.4	10734.0	11770.9	14053.8	15925.1
52.5°	11169.8	11314.0	11618.6	11826.0	11968.6	11890.8	11782.2	12665.3	14831.5	16871.3
55°	10396.9	10599.5	11105.0	11605.6	12333.1	12898.6	13041.1	13656.8	15589.8	17704.1
57.5°	8989.0	9317.9	9771.5	10784.2	12009.1	13386.3	14509.1	15032.4	16393.4	18593.6
60°	6574.9	7015.6	7579.4	9086.2	10874.9	13125.4	15758.3	17145.2	17535.6	19745.6
62.5°	4207.7	4479.9	4998.4	6417.7	8473.7	11788.7	16140.6	19786.1	19471.8	21634.8
65°	2880.8	3055.7	3530.5	4327.6	5478.0	8775.1	15116.6	21766.0	22547.0	24629.0
67.5°	2093.3	2226.2	2631.2	3329.6	3569.3	5192.8	11730.4	21675.3	25536.3	27713.9
70°	1526.2	1620.2	1960.5	2631.2	2746.3	2888.9	7106.3	18425.1	25471.5	28533.7
72.5°	1130.9	1195.7	1424.2	2041.5	2222.9	1950.7	3517.5	13391.1	21887.5	25808.5
75°	818.2	866.8	1035.3	1561.9	1779.0	1485.7	1754.7	7825.7	15267.3	18154.6
77.5°	625.4	662.7	772.8	1143.9	1424.2	1114.7	1088.8	3600.1	7239.1	7274.8
80°	502.3	526.6	586.5	805.2	1092.0	834.4	709.7	1453.3	2287.7	1936.2
82.5°	369.4	409.9	495.8	565.5	780.9	575.2	432.6	734.0	870.1	748.5
85°	210.6	238.2	299.7	405.1	499.0	351.6	247.9	325.7	405.1	332.1
87.5°	74.5	97.2	105.3	158.8	217.1	145.8	95.6	94.0	132.9	98.8
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°
4476.7	0°	4476.7	4476.7	4476.7	4476.7	4476.7	4476.7	4476.7	4476.7	4476.7	4476.7
4525.3	2.5°	4509.1	4501.0	4468.6	4424.8	4379.5	4335.7	4321.1	4290.3	4269.3	4257.9
4630.6	5°	4599.8	4573.9	4497.7	4400.5	4298.4	4188.3	4110.5	4039.2	3987.4	3938.8
4774.8	7.5°	4729.4	4684.1	4552.8	4382.7	4201.2	4018.1	3882.0	3778.4	3708.7	3663.3
4943.3	10°	4880.1	4810.4	4609.5	4355.1	4074.9	3812.4	3652.0	3562.9	3519.1	3494.8
5136.1	12.5°	5053.5	4954.6	4667.9	4292.0	3882.0	3582.3	3472.1	3446.2	3447.8	3449.4
5379.1	15°	5267.3	5129.6	4714.8	4154.2	3630.9	3405.7	3386.3	3428.4	3472.1	3493.2
5654.6	17.5°	5508.7	5314.3	4722.9	3927.4	3384.6	3292.3	3353.9	3444.6	3511.0	3540.2
5962.4	20°	5768.0	5502.3	4664.6	3606.6	3182.1	3199.9	3310.1	3426.8	3499.7	3536.9
6314.0	22.5°	6064.5	5703.2	4525.3	3269.6	3016.8	3099.5	3229.1	3342.5	3418.7	3455.9
6727.2	25°	6403.1	5928.4	4306.5	2986.1	2874.3	2986.1	3115.7	3209.7	3271.2	3305.2
7188.9	27.5°	6779.0	6163.3	4014.9	2760.9	2749.5	2869.4	2976.3	3049.3	3081.7	3107.6
7679.8	30°	7156.5	6377.2	3661.7	2590.7	2641.0	2754.4	2830.5	2862.9	2872.6	2877.5
8227.5	32.5°	7564.8	6561.9	3290.7	2449.8	2537.3	2642.6	2687.9	2702.5	2657.2	2626.4
8891.8	35°	8059.0	6759.6	2927.7	2338.0	2435.2	2525.9	2540.5	2527.5	2474.1	2410.9
9724.6	37.5°	8669.8	7005.8	2637.7	2258.6	2339.6	2399.5	2381.7	2378.5	2383.3	2308.8
10725.9	40°	9418.3	7326.6	2425.5	2197.0	2261.8	2274.8	2224.6	2252.1	2276.4	2163.0
11824.4	42.5°	10249.5	7713.9	2291.0	2154.9	2197.0	2166.2	2088.5	2119.2	2116.0	1966.9
12927.7	45°	11096.9	8135.1	2244.0	2124.1	2137.1	2075.5	1989.6	1997.7	1929.7	1795.2
13985.7	47.5°	11939.4	8587.2	2273.2	2098.2	2062.5	1992.9	1926.4	1890.8	1790.3	1689.9
15000.0	50°	12765.7	9061.9	2380.1	2046.3	1960.5	1920.0	1871.4	1808.2	1701.2	1615.4
15959.2	52.5°	13532.1	9539.9	2500.0	1960.5	1832.5	1856.8	1826.0	1753.1	1647.8	1560.3
16866.5	55°	14257.9	10017.8	2547.0	1842.2	1712.6	1801.7	1783.9	1649.4	1523.0	1451.7
17815.9	57.5°	15048.6	10593.0	2495.1	1691.5	1615.4	1738.5	1670.4	1521.4	1448.5	1395.0
19052.2	60°	16143.9	11495.5	2383.3	1505.2	1523.0	1644.5	1527.9	1466.3	1386.9	1327.0
20905.7	62.5°	17963.4	13178.9	2203.5	1320.5	1414.5	1505.2	1459.8	1398.2	1317.2	1258.9
24074.8	65°	20652.9	15518.5	1864.9	1176.3	1292.9	1369.1	1386.9	1325.3	1241.1	1179.5
26851.9	67.5°	22921.2	16986.4	1411.2	1056.4	1168.2	1258.9	1309.1	1249.2	1160.1	1100.1
27501.6	70°	22796.5	15920.3	1077.4	938.1	1058.0	1150.4	1215.2	1168.2	1072.6	1015.9
24980.5	72.5°	20247.9	13318.2	871.7	818.2	946.2	1036.9	1114.7	1079.1	981.9	926.8
18300.4	75°	14875.2	9454.0	696.7	696.7	806.9	918.7	1004.5	981.9	892.7	853.9
7683.1	77.5°	6270.2	3966.3	546.0	578.4	670.8	789.0	896.0	904.1	826.3	874.9
2031.8	80°	1667.2	1093.6	416.4	455.3	526.6	651.3	779.3	776.1	691.8	646.5
755.0	82.5°	635.1	431.0	296.5	320.8	380.8	499.0	617.3	636.7	552.5	478.0
296.5	85°	244.7	184.7	183.1	192.8	222.0	330.5	466.6	482.8	416.4	353.2
82.6	87.5°	63.2	55.1	68.0	64.8	102.1	176.6	267.3	277.1	254.4	147.4
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°
4476.7
4270.9
3958.2
3673.0
3501.3
3452.7
3491.6
3546.7
3546.7
3465.6
3315.0
3117.3
2888.9
2636.1
2414.1
2313.7
2166.2
1965.3
1800.1
1689.9
1608.9
1561.9
1445.2
1390.1
1323.7
1258.9
1182.8
1101.7
1020.7
926.8
842.5
793.9
601.1
478.0
364.5
210.6
0.0

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