

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: P848245

Luminaire Tested: **GLAN-SB4D-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848245
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-SB4D-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA 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: 23288 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

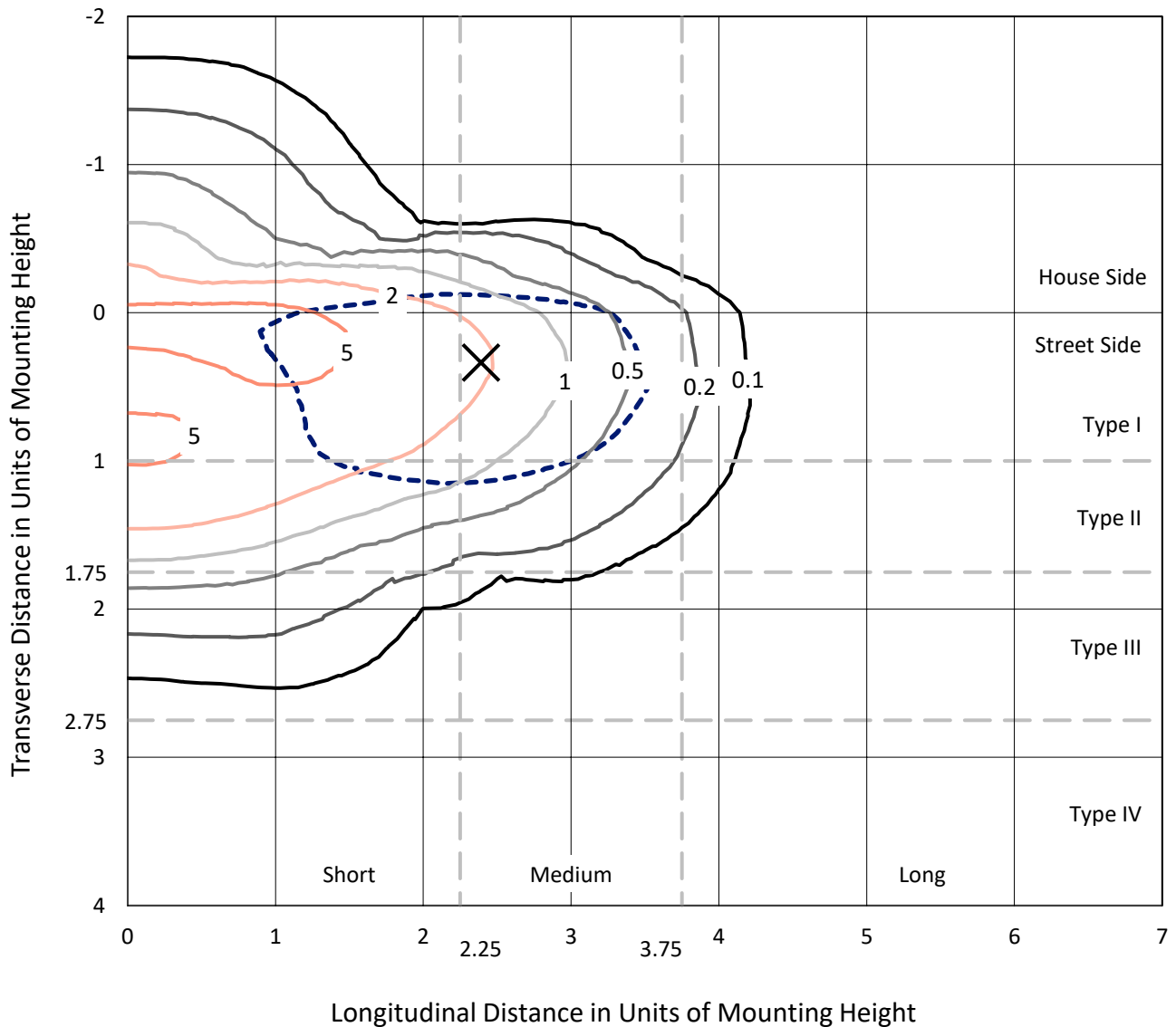
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

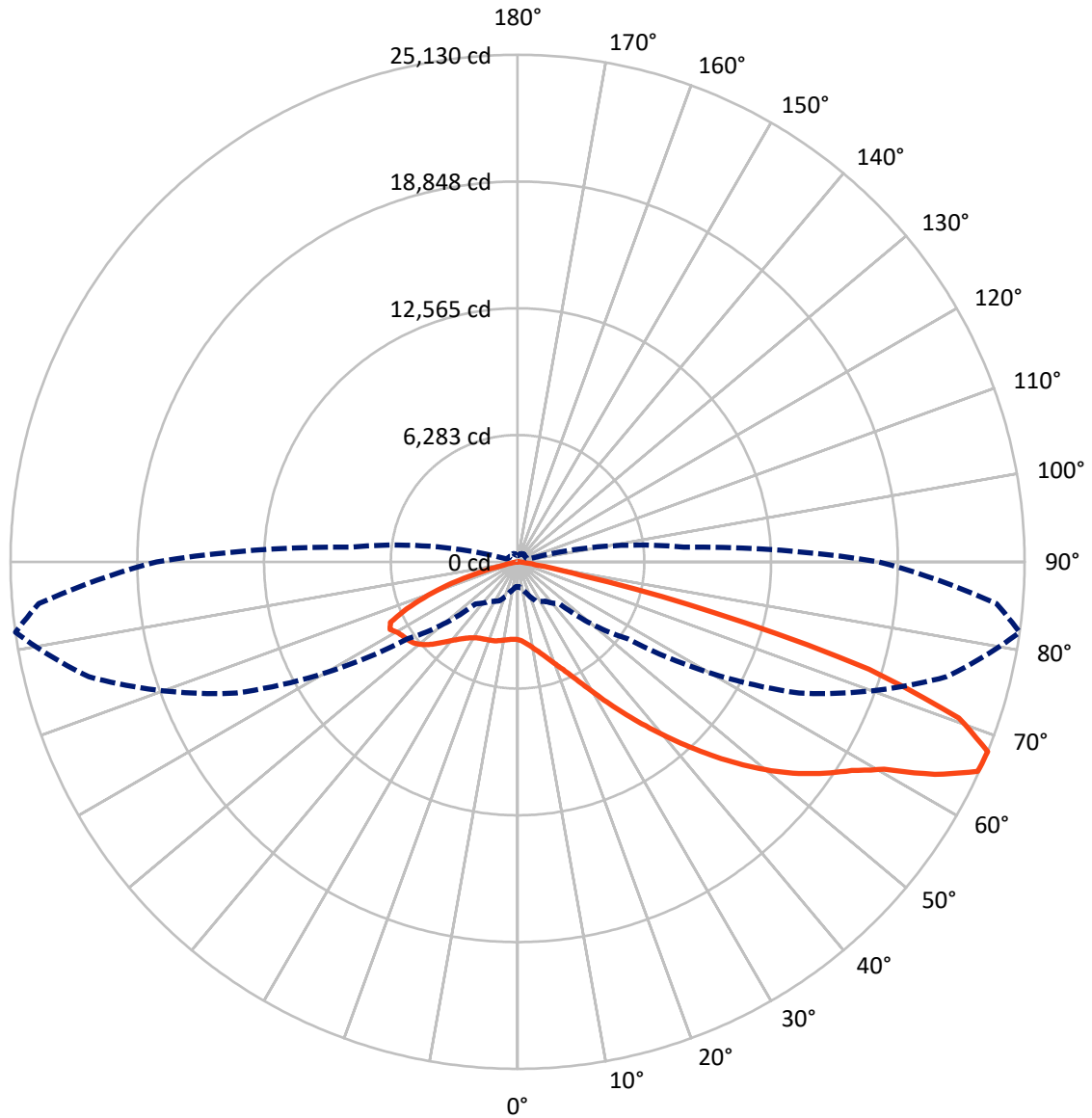
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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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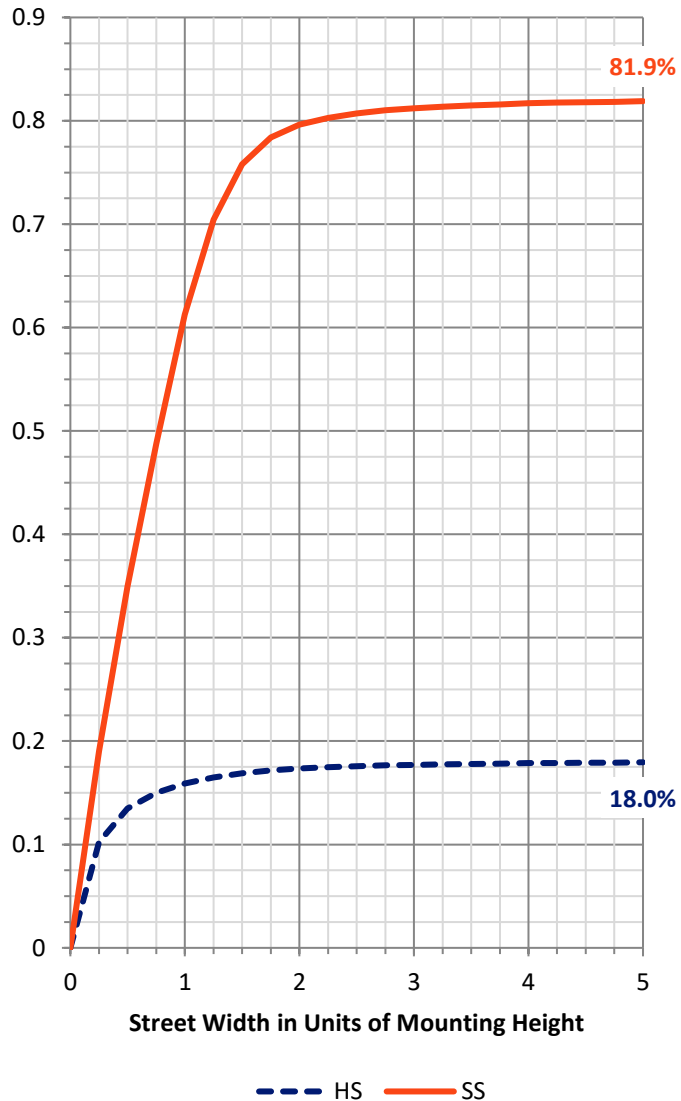
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4218.4	0.0	4218.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	19069.6	0.0	19069.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	23288.0	0.0	23288.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.7	1.5
10°-20°	893.2	3.8
20°-30°	1430.6	6.1
30°-40°	2529.8	10.9
40°-50°	4432.4	19.0
50°-60°	5911.6	25.4
60°-70°	5503.4	23.6
70°-80°	2112.2	9.1
80°-90°	131.2	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°	23288.0	100.0
0°-180°	23288.0	100.0

Coefficient of Utilization

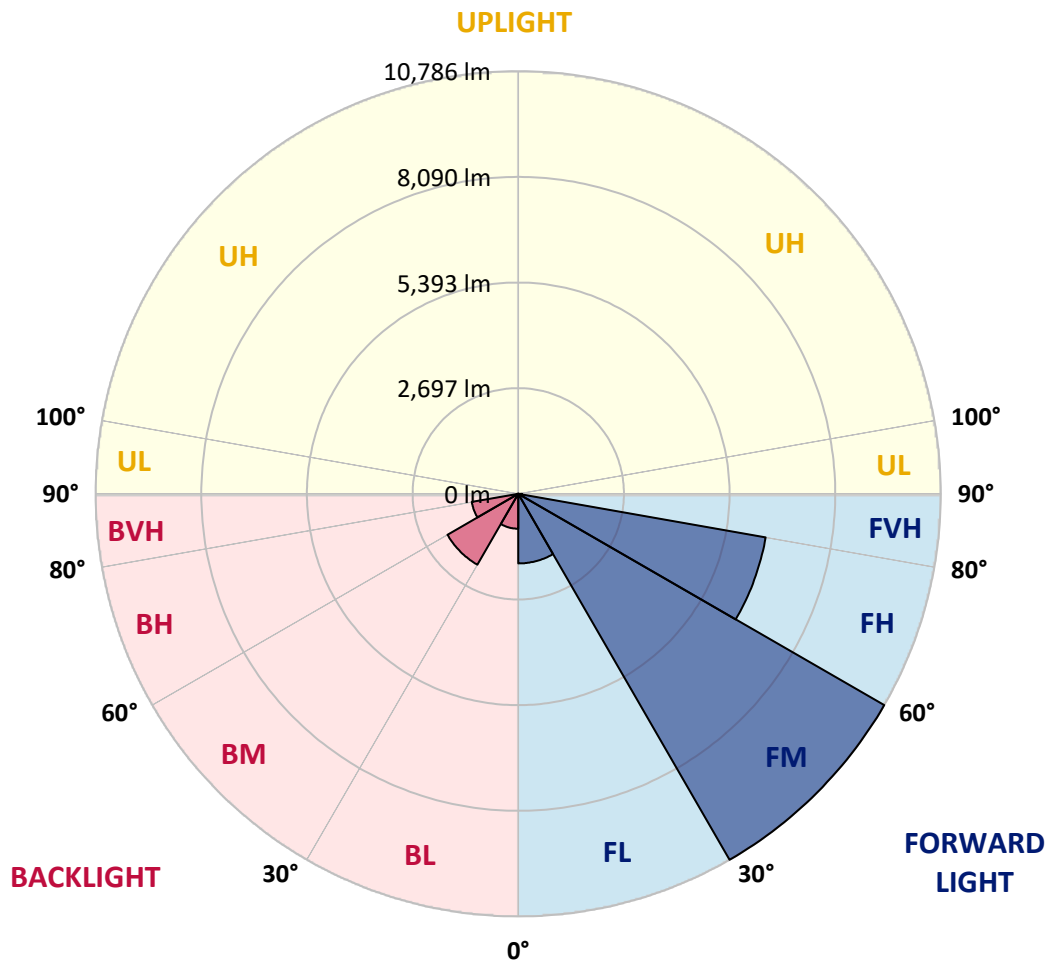


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1776.6	7.6			
FM (30°-60°)	10786.0	46.3			
FH (60°-80°)	6411.5	27.5			G3/7500
FVH (80°-90°)	95.4	0.4			G1/100
BL (0°-30°)	890.9	3.8	B2/1000		
BM (30°-60°)	2087.7	9.0	B2/2500		
BH (60°-80°)	1204.0	5.2	B3/2500		G3/2500
BVH (80°-90°)	35.8	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°	3858.0	3858.0	3858.0	3858.0	3858.0	3858.0	3858.0	3858.0	3858.0	3858.0
2.5°	4077.7	4101.2	4087.7	4081.0	4069.3	4052.5	4039.1	3997.2	3953.6	3925.1
5°	4159.8	4183.3	4181.6	4188.3	4196.7	4201.8	4198.4	4151.5	4089.4	4040.8
7.5°	4089.4	4116.2	4138.0	4171.6	4230.3	4292.3	4322.5	4312.4	4248.7	4181.6
10°	3889.9	3918.4	3970.4	4049.2	4173.2	4307.4	4419.7	4471.7	4431.5	4357.7
12.5°	3524.4	3552.9	3655.2	3826.2	4034.1	4267.1	4481.8	4620.9	4631.0	4557.2
15°	3113.6	3142.1	3251.1	3465.7	3782.6	4156.5	4515.3	4778.5	4867.4	4803.7
17.5°	2858.7	2883.9	2966.0	3138.7	3469.0	3935.2	4503.6	4946.2	5149.1	5098.8
20°	2781.6	2803.4	2842.0	2962.7	3237.7	3705.5	4426.4	5103.8	5452.6	5424.0
22.5°	2863.8	2883.9	2895.6	2949.3	3122.0	3554.6	4329.2	5264.8	5804.7	5808.0
25°	3053.2	3073.3	3059.9	3093.5	3168.9	3507.6	4292.3	5454.2	6247.3	6284.2
27.5°	3365.1	3366.8	3334.9	3333.2	3345.0	3578.0	4330.9	5657.1	6805.6	6874.4
30°	3990.5	3965.3	3842.9	3710.5	3650.1	3789.3	4438.2	5896.9	7464.6	7587.0
32.5°	4954.6	4917.7	4693.0	4376.1	4057.6	4129.7	4631.0	6170.2	8182.2	8403.5
35°	6000.8	5990.8	5756.0	5284.9	4728.2	4614.2	4944.5	6529.0	8965.2	9317.3
37.5°	6973.3	6968.3	6834.1	6279.2	5601.8	5289.9	5447.5	6998.4	9803.5	10313.2
40°	7861.9	7877.0	7742.9	7246.6	6564.2	6156.8	6131.6	7578.6	10735.8	11398.0
42.5°	8629.9	8646.6	8510.8	8143.6	7514.9	7115.8	6971.6	8289.5	11646.2	12563.3
45°	9151.3	9255.3	9235.1	8941.7	8490.7	8076.6	7981.0	9181.5	12684.1	13799.1
47.5°	9298.8	9394.4	9545.3	9585.6	9310.6	8903.2	9017.2	10256.2	13733.7	15036.4
50°	8935.0	9023.9	9337.4	9754.9	9946.0	9820.3	10024.9	11408.1	14808.4	16270.5
52.5°	8217.4	8307.9	8703.6	9364.2	10143.9	10539.6	11035.9	12543.2	15849.6	17439.1
55°	7179.5	7275.1	7783.1	8530.9	9766.6	10836.4	11879.3	13676.7	16803.7	18490.4
57.5°	5767.8	5838.2	6366.3	7412.6	8817.6	10541.3	12501.3	14914.0	17702.4	19523.2
60°	3759.1	3821.1	4434.8	5601.8	7244.9	9555.4	12625.4	16293.9	18896.1	20866.2
62.5°	2499.9	2541.8	2905.7	3762.5	5102.1	7662.4	11899.4	17395.5	20646.6	23203.5
65°	1715.2	1757.2	2121.0	2717.9	3296.3	5068.6	9811.9	17249.7	22232.7	25059.6
67.5°	1224.0	1259.2	1567.7	2131.1	2385.9	2944.2	6651.4	15385.2	22004.7	25130.0
70°	876.9	897.0	1151.9	1659.9	1896.3	1768.9	3698.7	11766.9	19266.7	23205.2
72.5°	613.7	620.4	799.8	1264.2	1527.5	1291.0	1760.5	7845.2	14572.0	18213.7
75°	415.8	424.2	538.2	927.2	1225.7	985.9	932.2	4206.8	8554.4	10081.9
77.5°	254.9	258.2	347.1	633.8	917.1	751.2	600.3	1782.3	3309.8	3249.4
80°	144.2	144.2	221.3	394.0	625.4	484.6	420.8	757.9	1047.9	920.5
82.5°	80.5	82.2	161.0	244.8	414.1	286.7	231.4	350.4	452.7	400.7
85°	33.5	36.9	98.9	115.7	197.8	142.5	93.9	147.5	167.7	149.2
87.5°	3.4	5.0	30.2	21.8	23.5	28.5	13.4	28.5	23.5	23.5
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°
3858.0	0°	3858.0	3858.0	3858.0	3858.0	3858.0	3858.0	3858.0	3858.0	3858.0	3858.0
3915.0	2.5°	3883.2	3858.0	3794.3	3720.5	3623.3	3576.4	3512.6	3469.0	3432.2	3435.5
4012.3	5°	3958.6	3894.9	3752.4	3574.7	3353.4	3195.7	3028.1	2912.4	2818.5	2798.4
4146.4	7.5°	4062.6	3962.0	3712.2	3391.9	3018.0	2734.7	2481.5	2318.8	2203.2	2166.3
4309.1	10°	4196.7	4050.9	3660.2	3162.2	2624.0	2263.5	1991.9	1864.5	1785.7	1758.8
4500.2	12.5°	4352.7	4153.1	3591.4	2882.2	2218.2	1871.2	1698.5	1634.8	1609.6	1601.2
4734.9	15°	4548.8	4280.6	3487.5	2550.2	1874.5	1631.4	1557.6	1549.2	1552.6	1549.2
5016.6	17.5°	4781.9	4419.7	3318.1	2208.2	1643.1	1509.0	1482.2	1488.9	1497.3	1495.6
5331.8	20°	5036.7	4557.2	3101.9	1904.7	1485.5	1421.8	1406.7	1413.4	1420.1	1416.8
5695.7	22.5°	5326.8	4704.8	2862.1	1668.3	1379.9	1341.3	1324.6	1326.3	1326.3	1319.5
6156.8	25°	5673.9	4867.4	2610.6	1500.6	1299.4	1269.2	1249.1	1242.4	1232.4	1212.2
6716.8	27.5°	6088.0	5040.1	2369.1	1383.3	1235.7	1207.2	1183.7	1167.0	1141.8	1108.3
7389.1	30°	6554.1	5249.7	2164.6	1309.5	1185.4	1156.9	1130.1	1104.9	1068.0	1026.1
8162.1	32.5°	7102.4	5474.4	2015.4	1260.9	1140.1	1110.0	1078.1	1047.9	1007.7	965.8
9030.6	35°	7756.3	5746.0	1928.2	1227.3	1104.9	1064.7	1029.5	995.9	965.8	928.9
9974.6	37.5°	8465.5	6034.4	1901.4	1210.6	1081.5	1019.4	979.2	955.7	952.4	930.6
10995.6	40°	9241.8	6376.4	1921.5	1200.5	1056.3	975.8	932.2	927.2	935.6	897.0
12087.2	42.5°	10063.4	6782.2	1955.0	1188.8	1021.1	932.2	890.3	890.3	883.6	830.0
13240.7	45°	10952.1	7250.0	1988.5	1160.3	979.2	888.6	856.8	845.0	816.5	764.6
14401.0	47.5°	11847.4	7726.1	2013.7	1108.3	928.9	851.8	823.2	796.4	754.5	707.6
15539.4	50°	12697.5	8153.7	1986.9	1031.2	871.9	816.5	786.4	749.5	704.2	672.3
16617.5	52.5°	13457.0	8524.2	1872.8	940.6	811.5	779.7	752.8	714.3	677.4	643.8
17590.0	55°	14117.6	8824.4	1671.6	855.1	757.9	747.8	721.0	672.3	622.0	593.5
18554.1	57.5°	14751.4	9052.4	1420.1	784.7	709.2	712.6	672.3	628.8	581.8	551.6
19853.5	60°	15594.8	9357.5	1165.3	719.3	657.3	667.3	623.7	591.9	533.2	494.6
22081.8	62.5°	16942.8	9832.0	925.5	638.8	596.9	600.3	581.8	543.2	472.8	427.6
23733.4	65°	18012.5	9657.7	729.4	551.6	528.2	533.2	533.2	491.3	415.8	363.8
23822.2	67.5°	17891.8	8269.4	581.8	466.1	462.8	466.1	477.9	442.6	368.9	327.0
22008.1	70°	16481.7	6577.6	466.1	387.3	402.4	394.0	427.6	404.1	332.0	290.1
17061.9	72.5°	13448.6	4738.3	355.5	320.2	308.5	321.9	385.6	363.8	276.7	229.7
9037.3	75°	7858.6	2528.4	264.9	253.2	223.0	268.3	342.0	310.2	211.3	169.3
2769.9	77.5°	2558.6	881.9	194.5	186.1	166.0	216.3	291.7	261.6	172.7	134.1
811.5	80°	685.8	266.6	132.5	122.4	107.3	161.0	231.4	207.9	124.1	87.2
348.7	82.5°	275.0	112.3	77.1	68.7	58.7	110.7	182.8	167.7	92.2	55.3
109.0	85°	88.9	36.9	28.5	21.8	26.8	68.7	109.0	114.0	65.4	28.5
16.8	87.5°	11.7	5.0	5.0	6.7	5.0	11.7	33.5	31.9	18.4	3.4
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°
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3858.0
3402.0
2753.1
2129.4
1738.7
1596.2
1547.6
1492.2
1415.1
1316.2
1208.9
1104.9
1022.8
967.4
925.5
928.9
898.7
830.0
762.9
705.9
667.3
640.5
590.2
548.3
489.6
424.2
358.8
320.2
285.0
224.7
164.3
129.1
85.5
55.3
21.8
0.0
0.0

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