

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: P851645

Luminaire Tested: **GLAN-SB9D-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851645
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-SB9D-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 52926 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

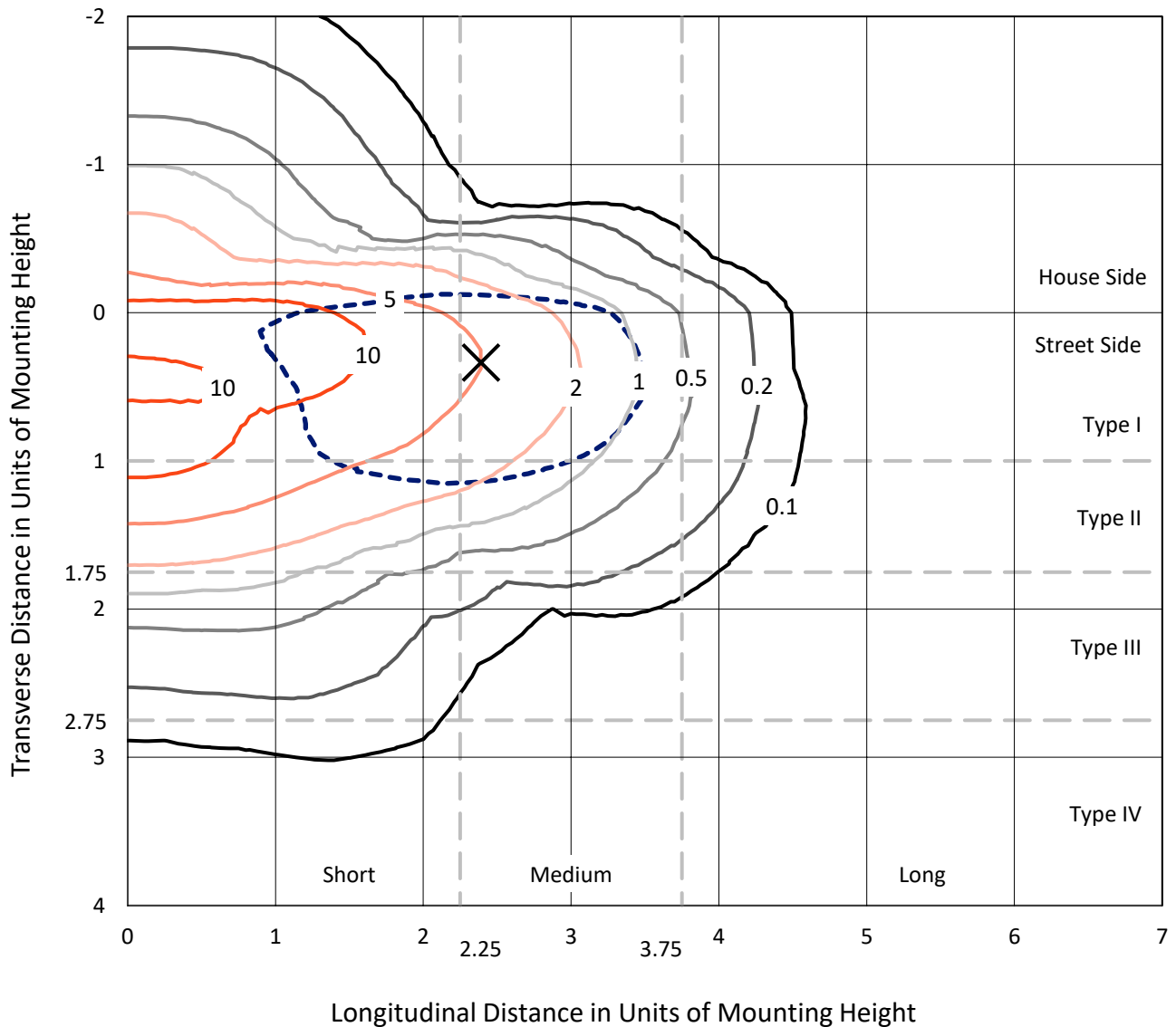
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

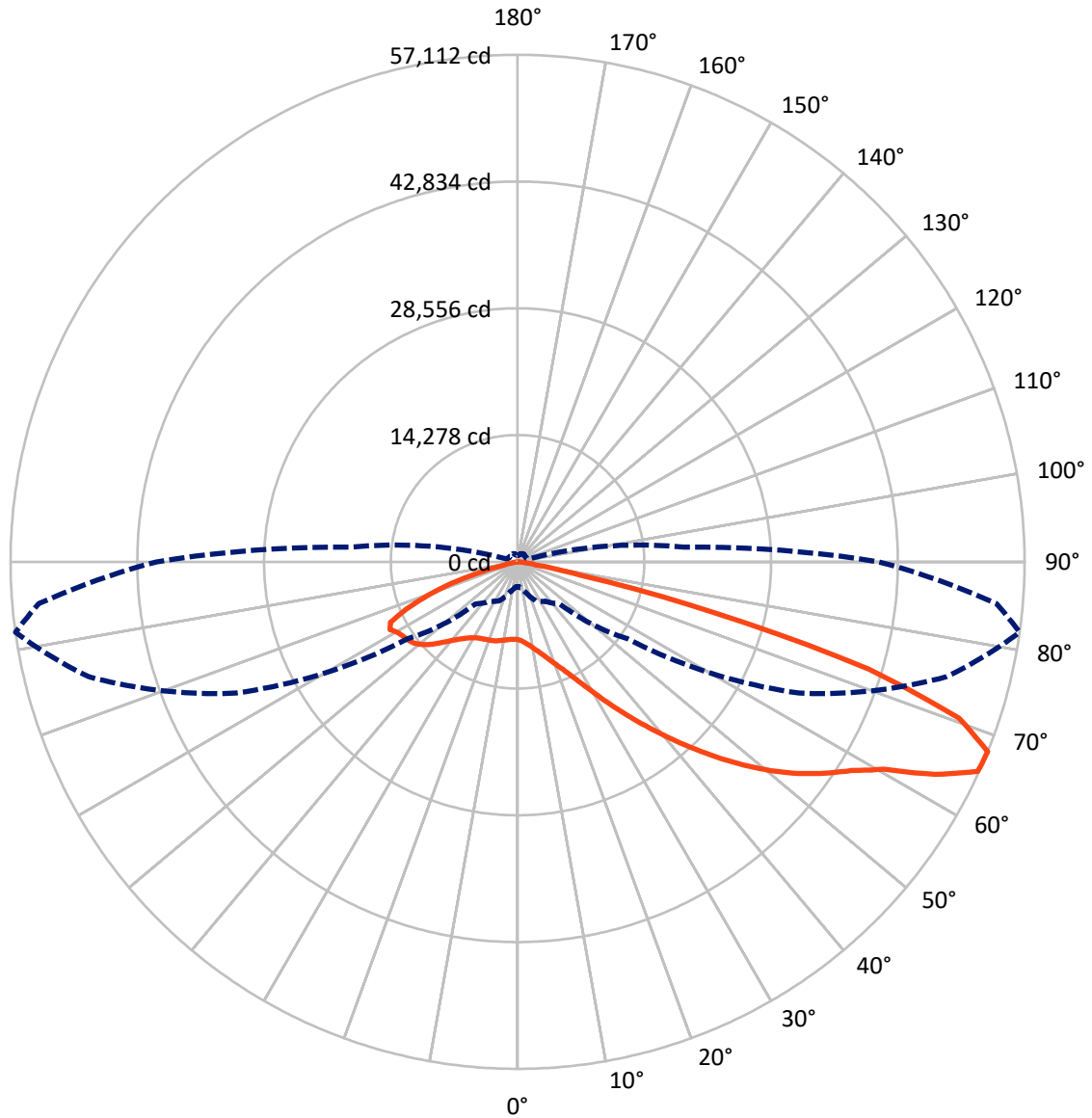
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 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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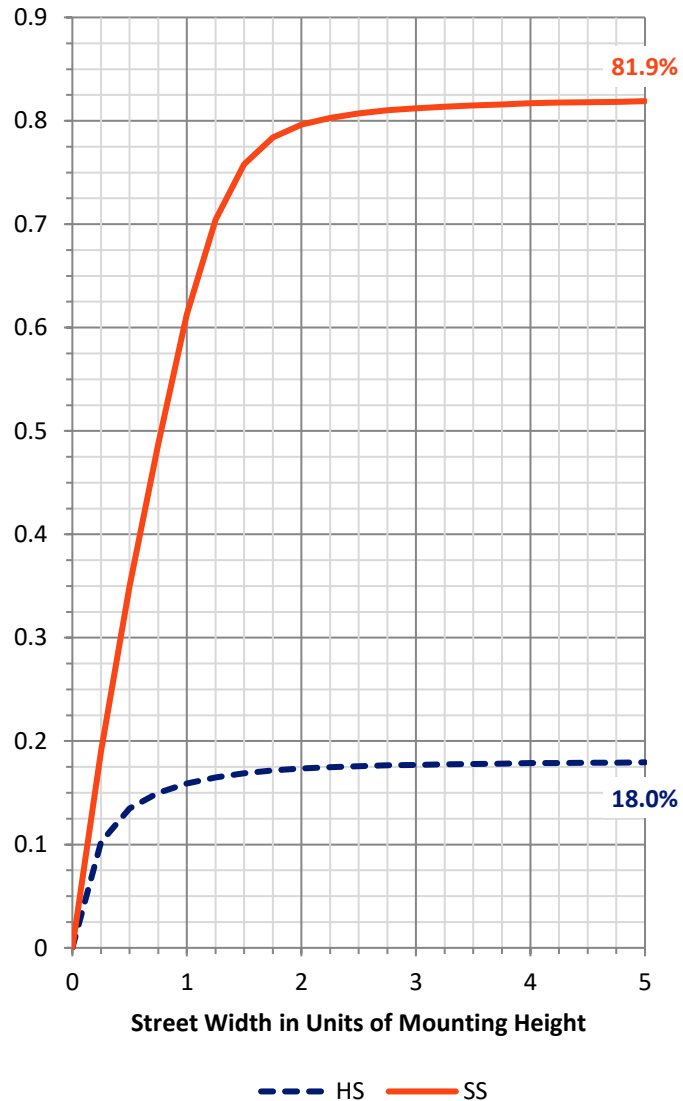
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9587.1	0.0	9587.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	43338.9	0.0	43338.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	52926.0	0.0	52926.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	781.2	1.5
10°-20°	2029.9	3.8
20°-30°	3251.3	6.1
30°-40°	5749.3	10.9
40°-50°	10073.4	19.0
50°-60°	13435.1	25.4
60°-70°	12507.4	23.6
70°-80°	4800.3	9.1
80°-90°	298.1	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°	52926.0	100.0
0°-180°	52926.0	100.0

Coefficient of Utilization

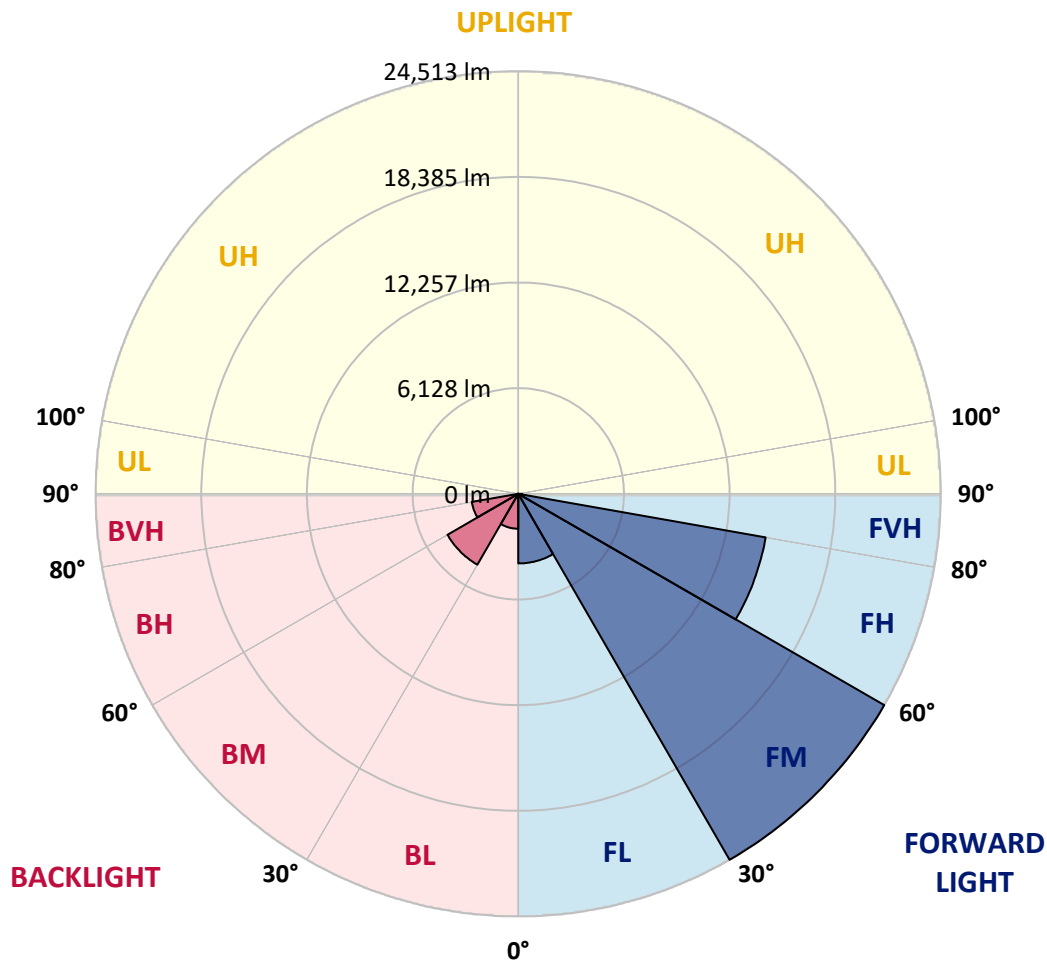


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4037.7	7.6			
FM (30°-60°)	24513.2	46.3			
FH (60°-80°)	14571.3	27.5			G5
FVH (80°-90°)	216.8	0.4			G2/225
BL (0°-30°)	2024.8	3.8	B3/2500		
BM (30°-60°)	4744.6	9.0	B3/5000		
BH (60°-80°)	2736.3	5.2	B4/5000		G4/5000
BVH (80°-90°)	81.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	8768.0	8768.0	8768.0	8768.0	8768.0	8768.0	8768.0	8768.0	8768.0	8768.0
2.5°	9267.2	9320.6	9290.1	9274.8	9248.2	9210.1	9179.6	9084.3	8985.2	8920.5
5°	9453.9	9507.3	9503.5	9518.7	9537.8	9549.2	9541.6	9434.9	9293.9	9183.4
7.5°	9293.9	9354.9	9404.4	9480.6	9614.0	9755.0	9823.6	9800.7	9655.9	9503.5
10°	8840.4	8905.2	9023.4	9202.4	9484.4	9789.3	10044.6	10162.7	10071.3	9903.6
12.5°	8009.8	8074.5	8307.0	8695.6	9168.2	9697.8	10185.6	10501.8	10524.7	10357.0
15°	7076.2	7140.9	7388.6	7876.4	8596.6	9446.3	10261.8	10860.0	11062.0	10917.2
17.5°	6497.0	6554.1	6740.8	7133.3	7884.0	8943.3	10235.1	11241.1	11702.2	11587.8
20°	6321.7	6371.2	6458.9	6733.2	7358.1	8421.3	10059.8	11599.3	12391.9	12327.1
22.5°	6508.4	6554.1	6580.8	6702.7	7095.2	8078.3	9838.8	11965.1	13192.1	13199.7
25°	6939.0	6984.7	6954.2	7030.4	7201.9	7971.6	9755.0	12395.7	14198.1	14281.9
27.5°	7647.7	7651.6	7579.2	7575.3	7602.0	8131.7	9842.6	12856.8	15467.0	15623.2
30°	9069.1	9011.9	8733.8	8432.7	8295.5	8611.8	10086.5	13401.7	16964.5	17242.7
32.5°	11260.1	11176.3	10665.7	9945.5	9221.5	9385.4	10524.7	14022.8	18595.4	19098.4
35°	13637.9	13615.1	13081.6	12010.8	10745.7	10486.6	11237.3	14838.2	20374.9	21175.2
37.5°	15848.0	15836.6	15531.8	14270.5	12731.0	12022.2	12380.4	15905.2	22280.2	23438.6
40°	17867.6	17901.9	17597.1	16469.1	14918.3	13992.3	13935.1	17223.6	24398.9	25904.0
42.5°	19612.8	19650.9	19342.3	18507.8	17078.8	16171.9	15844.2	18839.3	26468.0	28552.4
45°	20797.9	21034.2	20988.4	20321.6	19296.6	18355.4	18138.2	20866.5	28826.7	31360.7
47.5°	21133.2	21350.4	21693.4	21784.8	21159.9	20234.0	20493.1	23309.1	31212.1	34172.9
50°	20306.4	20508.3	21220.9	22169.7	22604.1	22318.3	22783.2	25926.9	33654.7	36977.5
52.5°	18675.4	18881.2	19780.5	21281.9	23053.8	23953.0	25081.0	28506.6	36021.0	39633.4
55°	16316.7	16533.9	17688.5	19388.0	22196.4	24627.5	26997.7	31082.6	38189.2	42022.6
57.5°	13108.2	13268.3	14468.6	16846.4	20039.6	23956.9	28411.4	33894.7	40231.7	44369.9
60°	8543.2	8684.2	10078.9	12731.0	16465.3	21716.3	28693.3	37030.8	42944.8	47422.1
62.5°	5681.5	5776.8	6603.7	8550.8	11595.5	17414.2	27043.4	39534.3	46923.0	52734.0
65°	3898.2	3993.4	4820.3	6176.9	7491.5	11519.3	22299.3	39202.8	50527.7	56952.3
67.5°	2781.7	2861.7	3562.9	4843.2	5422.4	6691.3	15116.4	34965.5	50009.5	57112.3
70°	1992.9	2038.6	2617.8	3772.4	4309.7	4020.1	8406.0	26742.4	43786.9	52737.8
72.5°	1394.7	1409.9	1817.6	2873.1	3471.4	2934.1	4001.1	17829.5	33117.4	41393.9
75°	945.0	964.1	1223.2	2107.2	2785.5	2240.6	2118.7	9560.6	19441.4	22912.8
77.5°	579.2	586.8	788.8	1440.4	2084.4	1707.1	1364.2	4050.6	7522.0	7384.8
80°	327.7	327.7	503.0	895.5	1421.3	1101.2	956.4	1722.4	2381.6	2092.0
82.5°	182.9	186.7	365.8	556.3	941.2	651.6	525.9	796.4	1028.8	910.7
85°	76.2	83.8	224.8	262.9	449.6	323.9	213.4	335.3	381.1	339.1
87.5°	7.6	11.4	68.6	49.5	53.3	64.8	30.5	64.8	53.3	53.3
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°
8768.0	0°	8768.0	8768.0	8768.0	8768.0	8768.0	8768.0	8768.0	8768.0	8768.0	8768.0
8897.6	2.5°	8825.2	8768.0	8623.2	8455.6	8234.6	8127.9	7983.1	7884.0	7800.2	7807.8
9118.6	5°	8996.7	8851.9	8528.0	8124.1	7621.1	7262.9	6881.8	6618.9	6405.5	6359.8
9423.5	7.5°	9232.9	9004.3	8436.5	7708.7	6859.0	6215.0	5639.6	5270.0	5007.0	4923.2
9793.1	10°	9537.8	9206.3	8318.4	7186.7	5963.5	5144.2	4526.9	4237.3	4058.2	3997.3
10227.5	12.5°	9892.2	9438.7	8162.2	6550.3	5041.3	4252.6	3860.1	3715.3	3658.1	3639.1
10761.0	15°	10338.0	9728.3	7925.9	5795.8	4260.2	3707.7	3540.0	3520.9	3528.6	3520.9
11401.1	17.5°	10867.7	10044.6	7541.1	5018.5	3734.3	3429.5	3368.5	3383.8	3402.8	3399.0
12117.5	20°	11446.9	10357.0	7049.5	4328.8	3376.1	3231.3	3197.0	3212.3	3227.5	3219.9
12944.4	22.5°	12106.1	10692.4	6504.6	3791.5	3136.1	3048.4	3010.3	3014.1	3014.1	2998.9
13992.3	25°	12894.9	11062.0	5933.0	3410.4	2953.2	2884.6	2838.9	2823.6	2800.7	2755.0
15265.0	27.5°	13836.1	11454.5	5384.3	3143.7	2808.4	2743.6	2690.2	2652.1	2595.0	2518.8
16793.0	30°	14895.4	11930.8	4919.4	2976.0	2694.1	2629.3	2568.3	2511.1	2427.3	2332.0
18549.7	32.5°	16141.4	12441.4	4580.3	2865.5	2591.2	2522.6	2450.2	2381.6	2290.1	2194.9
20523.6	35°	17627.5	13058.7	4382.1	2789.3	2511.1	2419.7	2339.7	2263.5	2194.9	2111.0
22668.9	37.5°	19239.4	13714.1	4321.1	2751.2	2457.8	2316.8	2225.4	2172.0	2164.4	2114.8
24989.5	40°	21003.7	14491.5	4366.9	2728.3	2400.6	2217.7	2118.7	2107.2	2126.3	2038.6
27470.2	42.5°	22870.8	15413.6	4443.1	2701.7	2320.6	2118.7	2023.4	2023.4	2008.2	1886.2
30091.8	45°	24890.4	16476.8	4519.3	2636.9	2225.4	2019.6	1947.2	1920.5	1855.7	1737.6
32728.7	47.5°	26925.3	17559.0	4576.5	2518.8	2111.0	1935.8	1871.0	1810.0	1714.7	1608.0
35316.1	50°	28857.2	18530.6	4515.5	2343.5	1981.5	1855.7	1787.1	1703.3	1600.4	1528.0
37766.2	52.5°	30583.4	19372.8	4256.4	2137.7	1844.3	1771.9	1710.9	1623.3	1539.5	1463.2
39976.4	55°	32084.7	20054.9	3799.1	1943.4	1722.4	1699.5	1638.5	1528.0	1413.7	1348.9
42167.4	57.5°	33525.1	20573.1	3227.5	1783.3	1611.9	1619.5	1528.0	1429.0	1322.3	1253.7
45120.6	60°	35441.8	21266.6	2648.3	1634.7	1493.7	1516.6	1417.5	1345.1	1211.8	1124.1
50184.8	62.5°	38505.5	22345.0	2103.4	1451.8	1356.6	1364.2	1322.3	1234.6	1074.6	971.7
53938.2	65°	40936.6	21948.7	1657.6	1253.7	1200.3	1211.8	1211.8	1116.5	945.0	826.9
54140.1	67.5°	40662.2	18793.6	1322.3	1059.3	1051.7	1059.3	1086.0	1006.0	838.3	743.1
50017.1	70°	37457.6	14948.7	1059.3	880.2	914.5	895.5	971.7	918.3	754.5	659.2
38776.0	72.5°	30564.3	10768.6	807.8	727.8	701.1	731.6	876.4	826.9	628.7	522.0
20538.8	75°	17860.0	5746.3	602.1	575.4	506.8	609.7	777.3	704.9	480.1	384.9
6295.0	77.5°	5814.9	2004.3	442.0	423.0	377.2	491.6	663.0	594.4	392.5	304.8
1844.3	80°	1558.5	605.9	301.0	278.2	243.9	365.8	525.9	472.5	282.0	198.1
792.6	82.5°	624.9	255.3	175.3	156.2	133.4	251.5	415.3	381.1	209.6	125.7
247.7	85°	202.0	83.8	64.8	49.5	61.0	156.2	247.7	259.1	148.6	64.8
38.1	87.5°	26.7	11.4	11.4	15.2	11.4	26.7	76.2	72.4	41.9	7.6
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°
8768.0
7731.6
6256.9
4839.4
3951.5
3627.6
3517.1
3391.4
3216.1
2991.3
2747.4
2511.1
2324.4
2198.7
2103.4
2111.0
2042.4
1886.2
1733.8
1604.2
1516.6
1455.6
1341.3
1246.0
1112.7
964.1
815.5
727.8
647.8
510.6
373.4
293.4
194.3
125.7
49.5
0.0
0.0

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