

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: P851497

Luminaire Tested: **GLAN-SB9C-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51678 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

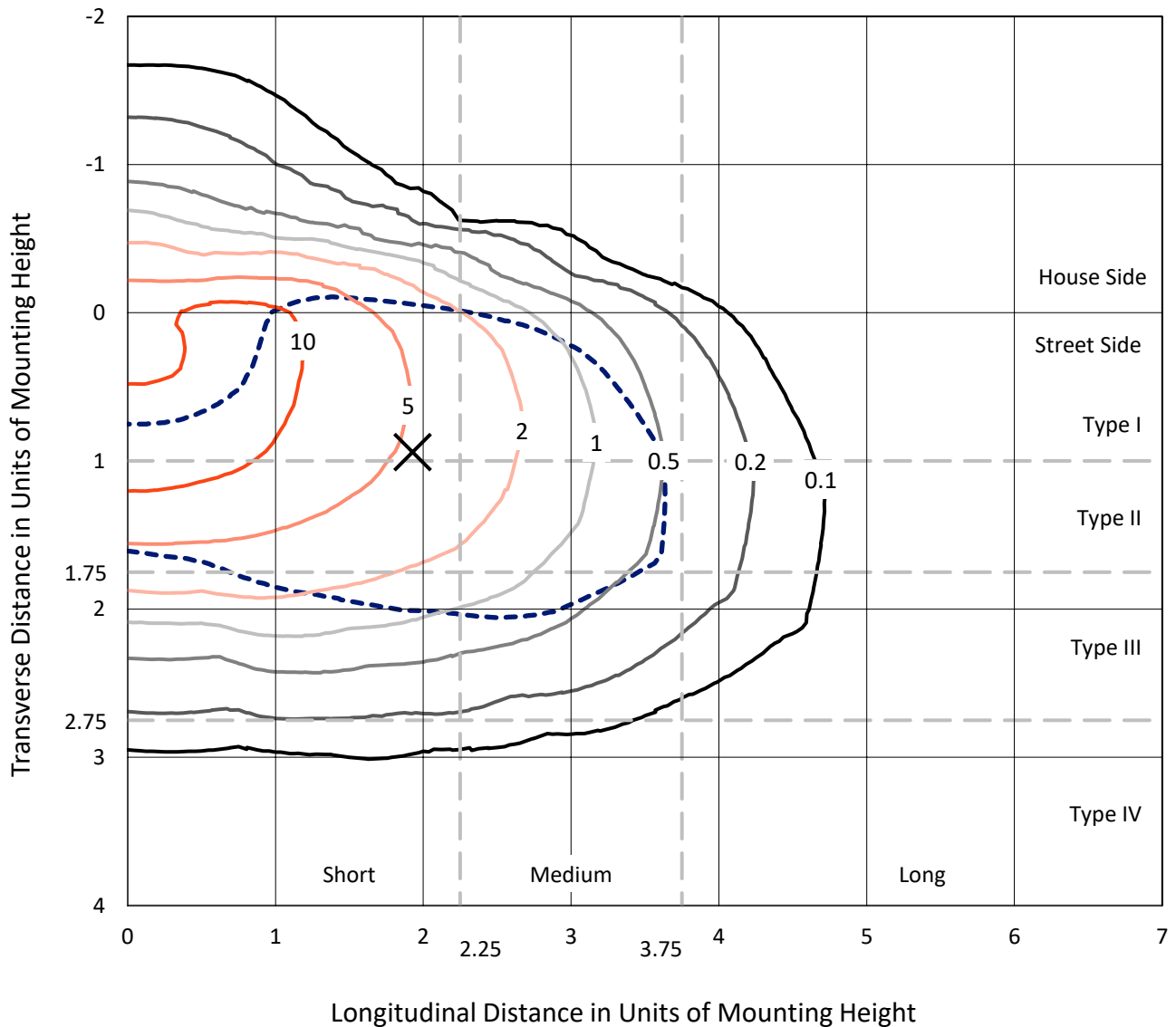
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

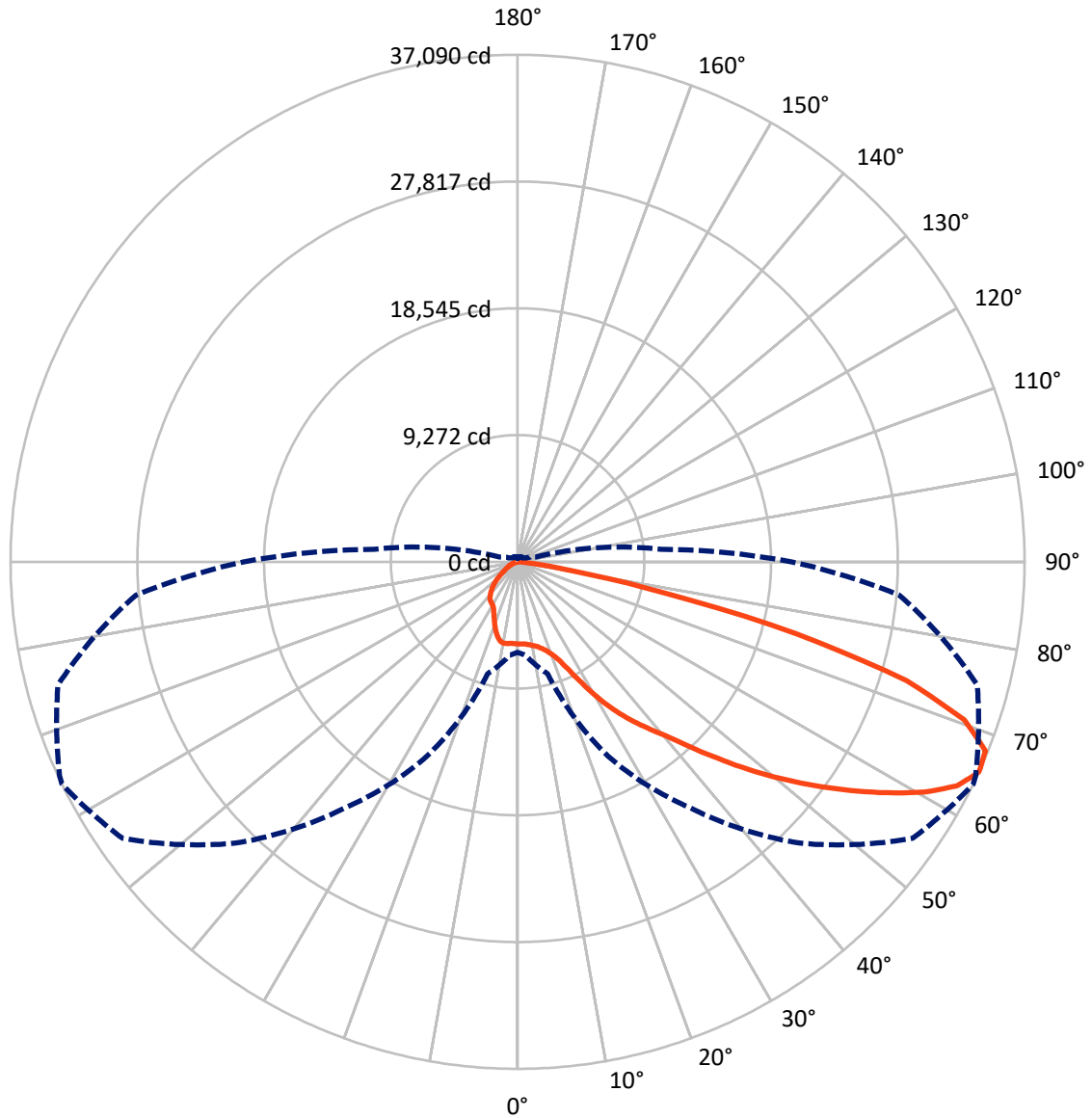
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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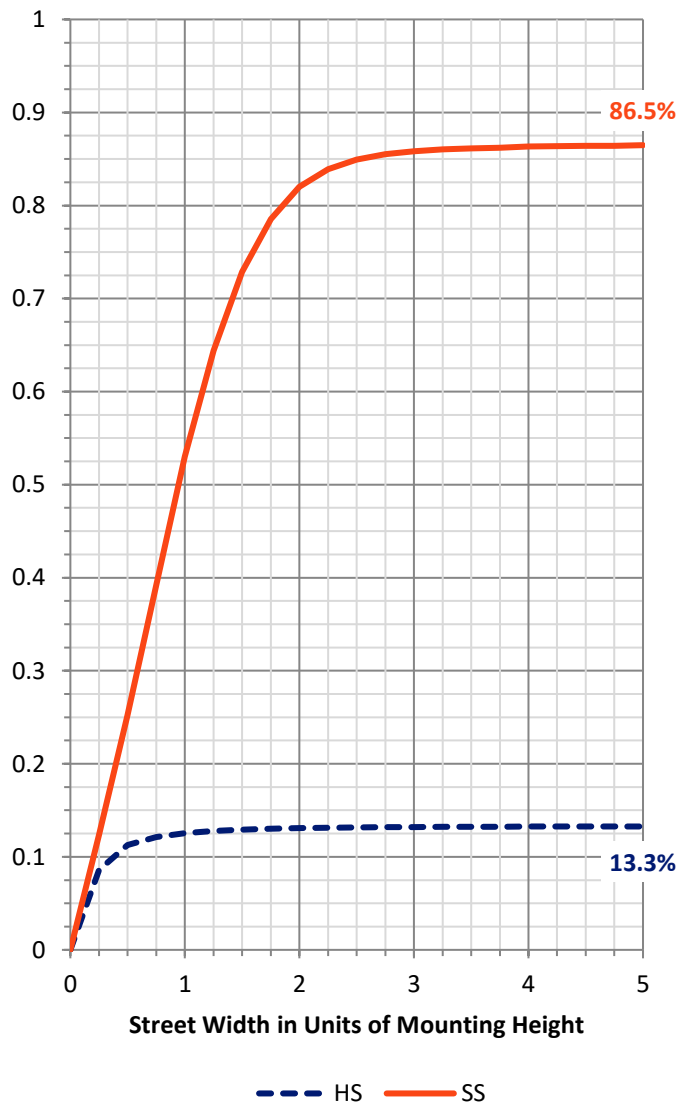
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6910.9	0.0	6910.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	44767.1	0.0	44767.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	51678.0	0.0	51678.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.5	1.1
10°-20°	1504.1	2.9
20°-30°	2850.1	5.5
30°-40°	5767.3	11.2
40°-50°	9824.6	19.0
50°-60°	13360.7	25.9
60°-70°	12546.4	24.3
70°-80°	5026.6	9.7
80°-90°	243.5	0.5
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°	51678.0	100.0
0°-180°	51678.0	100.0

Coefficient of Utilization



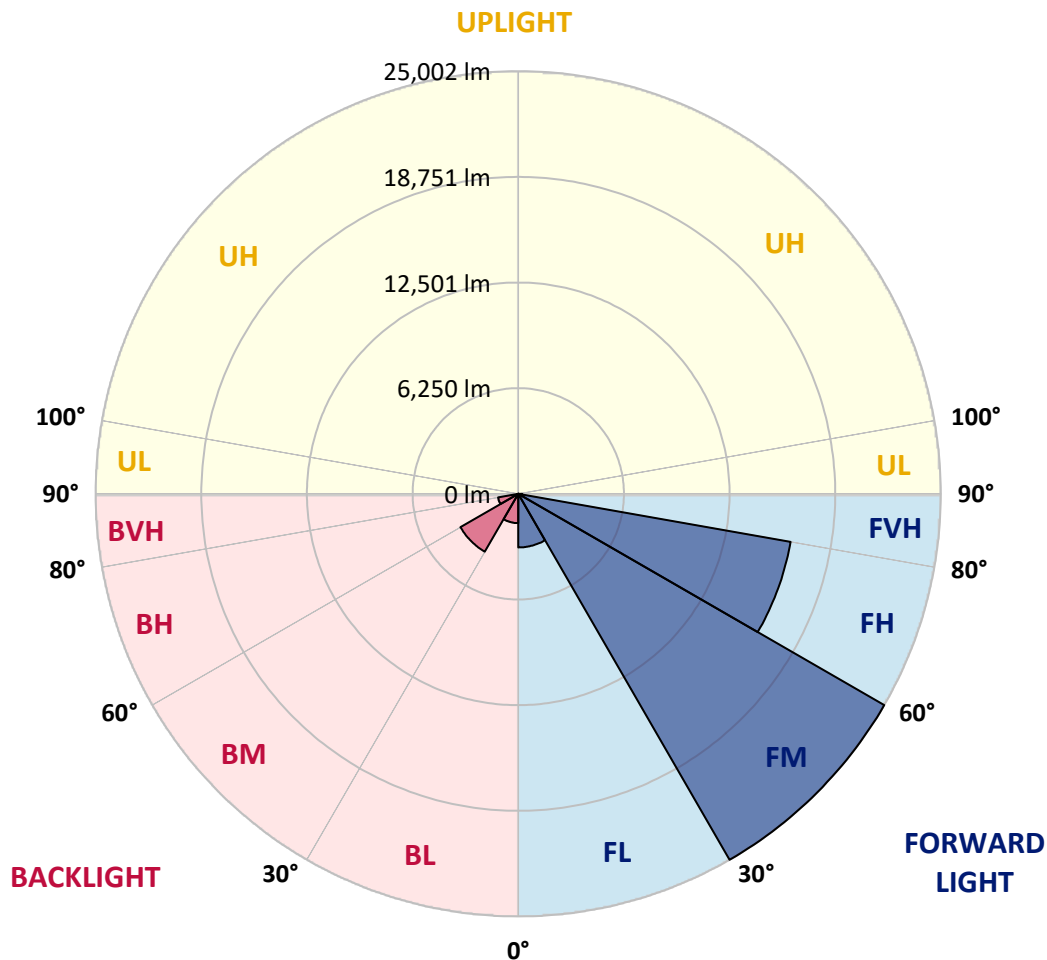
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3173.6	6.1			
FM (30°-60°)	25001.8	48.4			
FH (60°-80°)	16360.1	31.7			G5
FVH (80°-90°)	231.6	0.4			G3/500
BL (0°-30°)	1735.1	3.4	B3/2500		
BM (30°-60°)	3950.9	7.6	B3/5000		
BH (60°-80°)	1213.0	2.3	B3/2500		G3/2500
BVH (80°-90°)	11.9	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	6010.7	6010.7	6010.7	6010.7	6010.7	6010.7	6010.7	6010.7	6010.7	6010.7
2.5°	5989.9	6031.5	6021.1	6010.7	6007.2	6014.2	6017.6	6014.2	6014.2	6014.2
5°	5875.6	5910.2	5910.2	5934.5	5969.1	6010.7	6041.9	6048.8	6055.7	6066.1
7.5°	5657.3	5685.0	5705.8	5785.5	5872.1	5983.0	6076.5	6125.0	6131.9	6170.0
10°	5508.4	5543.0	5577.6	5660.8	5785.5	5951.8	6111.2	6228.9	6246.3	6336.3
12.5°	5501.4	5536.1	5581.1	5671.2	5816.7	5993.4	6187.4	6357.1	6388.3	6520.0
15°	5574.2	5615.7	5657.3	5768.2	5924.1	6138.9	6346.7	6558.1	6589.2	6776.3
17.5°	5723.1	5778.6	5809.8	5920.6	6086.9	6325.9	6599.6	6842.1	6869.9	7088.1
20°	6017.6	6083.4	6093.8	6183.9	6346.7	6603.1	6928.7	7230.1	7264.8	7514.2
22.5°	6627.3	6720.9	6637.7	6682.8	6828.3	7084.6	7438.0	7819.1	7867.6	8151.7
25°	7701.3	7832.9	7618.2	7541.9	7604.3	7871.1	8314.5	8796.0	8851.5	9080.1
27.5°	9811.1	9641.4	9315.7	8997.0	8809.9	8962.3	9461.2	10057.1	10126.4	10348.1
30°	12128.8	11979.8	11539.8	10833.1	10389.7	10365.4	10826.2	11491.3	11571.0	11782.3
32.5°	14449.9	14307.9	13829.8	12960.2	12191.1	11810.0	12128.8	12866.7	12908.3	13043.4
35°	16732.9	16587.4	16109.3	15219.0	14273.2	13407.1	13344.8	14176.2	14190.1	14332.1
37.5°	19029.8	18908.6	18399.3	17526.3	16594.3	15399.1	14820.6	15416.5	15433.8	15572.4
40°	20668.5	20720.4	20370.5	19695.0	18894.7	17588.6	16476.6	16736.4	16632.5	16864.6
42.5°	22075.0	22178.9	21874.1	21534.5	21070.3	19920.1	18527.5	18482.4	18316.1	18440.9
45°	23291.0	23377.6	23103.9	23024.2	23013.8	22206.6	20768.9	20498.7	20266.6	20242.3
47.5°	23737.9	23904.2	24022.0	24288.7	24808.4	24468.9	23086.6	22667.4	22407.6	22217.0
50°	23907.6	24084.3	24486.2	25262.2	26492.1	26637.6	25393.9	24922.7	24604.0	24257.5
52.5°	23679.0	23994.3	24534.7	25840.8	27624.9	28376.7	27607.6	27195.3	26831.6	26266.9
55°	22331.4	22646.6	23751.7	25833.8	28189.6	29596.1	29700.1	29516.5	29107.7	28217.3
57.5°	19490.6	19958.3	21707.8	24953.9	28179.2	30645.8	31751.0	31882.6	31425.3	30150.4
60°	15555.0	16189.0	18323.1	23003.4	27309.7	31214.0	33549.0	34207.2	33722.2	32055.8
62.5°	10853.9	11588.3	13608.1	19947.9	25321.1	30805.2	34862.0	36078.0	35710.8	33760.3
65°	6620.4	6856.0	8484.3	15697.1	21939.9	29093.8	35267.3	37089.6	36968.3	34803.1
67.5°	4410.1	4607.6	5075.3	10763.8	17030.9	25674.5	34297.3	36912.9	36947.5	34633.3
70°	2657.2	2826.9	3131.8	6260.1	11037.5	20322.0	31293.7	34661.1	34862.0	32364.2
72.5°	1094.7	1209.1	1486.2	2837.3	5716.2	12897.9	24919.2	29759.0	30226.7	27212.7
75°	620.1	679.0	873.0	1423.9	2480.5	6010.7	15094.3	21125.7	21815.2	18756.1
77.5°	412.3	440.0	564.7	921.5	1396.1	2050.9	6450.7	11006.3	12322.8	10244.2
80°	277.1	301.4	388.0	616.7	907.7	880.0	2054.4	4077.6	5016.4	3519.8
82.5°	187.1	190.5	277.1	405.3	575.1	426.1	606.3	1268.0	1593.6	1018.5
85°	107.4	103.9	204.4	235.6	256.4	176.7	183.6	381.1	498.9	429.6
87.5°	13.9	20.8	79.7	62.4	34.6	38.1	38.1	65.8	97.0	103.9
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°
6010.7	0°	6010.7	6010.7	6010.7	6010.7	6010.7	6010.7	6010.7	6010.7	6010.7	6010.7
6017.6	2.5°	6017.6	6014.2	6003.8	5993.4	5969.1	5955.3	5962.2	5955.3	5951.8	5955.3
6062.7	5°	6062.7	6052.3	6024.5	5989.9	5941.4	5882.5	5844.4	5789.0	5737.0	5705.8
6183.9	7.5°	6183.9	6173.5	6135.4	6038.4	5882.5	5636.5	5411.4	5213.9	5064.9	4978.3
6377.9	10°	6377.9	6360.6	6301.7	6086.9	5678.1	5141.1	4694.2	4323.5	4081.0	3966.7
6606.6	12.5°	6606.6	6585.8	6481.8	6041.9	5290.1	4451.7	3835.1	3422.8	3197.6	3097.1
6869.9	15°	6876.8	6849.1	6644.7	5827.1	4725.4	3689.6	3124.9	2816.5	2671.0	2581.0
7205.9	17.5°	7212.8	7164.3	6765.9	5504.9	4112.2	3107.5	2688.4	2456.2	2328.1	2241.4
7645.9	20°	7649.3	7569.7	6862.9	5120.3	3547.5	2740.3	2393.9	2199.9	2102.9	2026.7
8269.5	22.5°	8259.1	8144.7	6980.7	4704.6	3149.1	2487.4	2175.6	2033.6	1953.9	1867.3
9139.0	25°	9014.3	8879.2	7126.2	4320.1	2875.4	2269.2	2016.3	1898.5	1804.9	1704.5
10278.8	27.5°	10070.9	9828.4	7299.4	4004.8	2639.9	2082.1	1870.8	1739.1	1631.7	1548.6
11571.0	30°	11248.8	10850.4	7451.9	3814.3	2425.1	1908.9	1680.2	1548.6	1448.1	1389.2
12731.6	32.5°	12364.3	11823.9	7552.3	3731.1	2231.1	1711.4	1472.4	1330.3	1254.1	1236.8
13867.9	35°	13417.5	12703.9	7541.9	3651.4	2057.8	1513.9	1268.0	1122.5	1063.6	1074.0
15090.8	37.5°	14630.0	13642.7	7469.2	3526.7	1915.8	1333.8	1091.3	963.1	911.1	914.6
16577.0	40°	16040.0	14727.1	7424.2	3291.2	1759.9	1167.5	945.8	841.8	803.7	789.9
18142.9	42.5°	17543.6	15776.8	7431.1	3024.4	1565.9	1018.5	845.3	758.7	724.1	713.7
19885.5	45°	19054.1	16778.0	7441.5	2747.2	1361.5	904.2	772.6	699.8	679.0	665.2
21652.3	47.5°	20474.4	17630.2	7247.5	2449.3	1160.6	817.6	713.7	665.2	647.8	630.5
23426.1	50°	21797.8	18198.4	6779.8	2102.9	1001.2	748.3	668.6	634.0	616.7	599.3
25033.6	52.5°	22826.8	18288.4	6007.2	1746.0	890.3	696.3	640.9	609.7	588.9	571.6
26332.7	55°	23284.1	17723.7	4909.0	1413.5	803.7	651.3	613.2	582.0	557.8	540.4
27354.7	57.5°	23166.3	16535.5	3828.1	1136.3	720.6	606.3	578.6	557.8	530.0	502.3
28182.7	60°	22587.7	14945.3	2885.8	945.8	644.4	557.8	540.4	523.1	485.0	443.4
28501.4	62.5°	21586.5	12946.4	2057.8	782.9	561.2	502.3	495.4	481.5	426.1	349.9
28030.2	65°	20055.3	10517.8	1385.7	651.3	481.5	440.0	443.4	419.2	346.4	259.8
26305.0	67.5°	17817.3	7690.9	886.9	533.5	401.9	367.2	370.7	356.8	294.5	221.7
23034.6	70°	14966.1	5092.6	578.6	405.3	322.2	284.1	304.9	308.3	249.4	180.1
17678.7	72.5°	10971.7	3007.1	405.3	301.4	235.6	197.5	249.4	256.4	200.9	135.1
10635.6	75°	6253.2	1427.3	304.9	218.3	145.5	138.6	194.0	194.0	138.6	90.1
4604.2	77.5°	2626.0	595.9	214.8	142.0	83.1	79.7	131.6	121.3	69.3	41.6
1122.5	80°	758.7	266.8	114.3	69.3	34.6	31.2	52.0	38.1	17.3	6.9
426.1	82.5°	297.9	117.8	45.0	27.7	13.9	13.9	6.9	0.0	0.0	0.0
242.5	85°	176.7	48.5	20.8	10.4	3.5	0.0	0.0	0.0	0.0	0.0
52.0	87.5°	45.0	10.4	6.9	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°
6010.7
5969.1
5712.8
4981.8
3956.3
3086.8
2584.4
2234.5
2012.8
1853.4
1694.1
1531.3
1378.8
1247.2
1074.0
928.5
786.4
710.2
665.2
630.5
599.3
568.2
537.0
498.9
436.5
343.0
252.9
211.3
173.2
128.2
83.1
41.6
6.9
0.0
0.0
0.0
0.0

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