

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: P850316

Luminaire Tested: **GLAN-SB7D-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850316
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-SB7D-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 70366 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B5 - U0 - G5

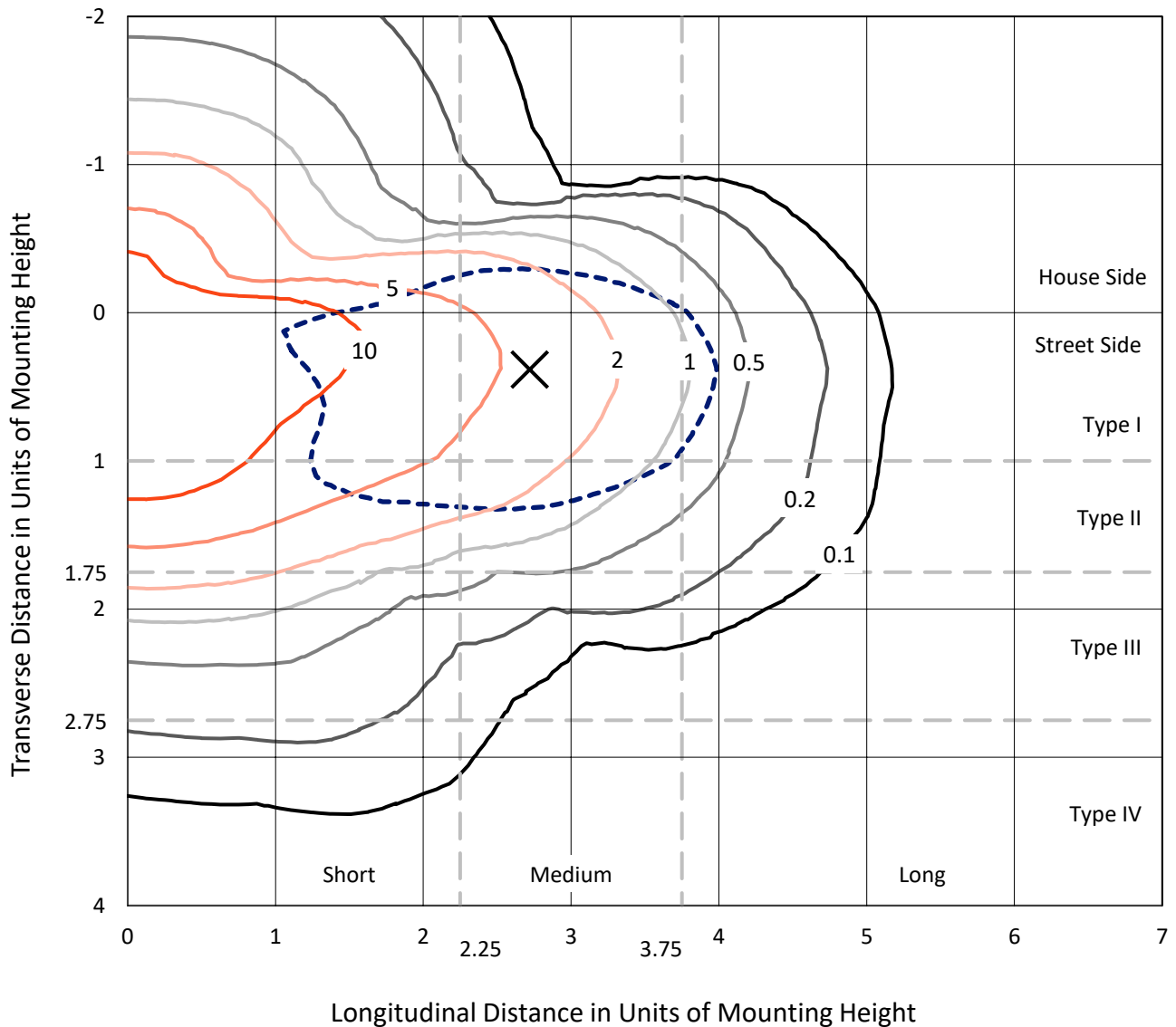
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

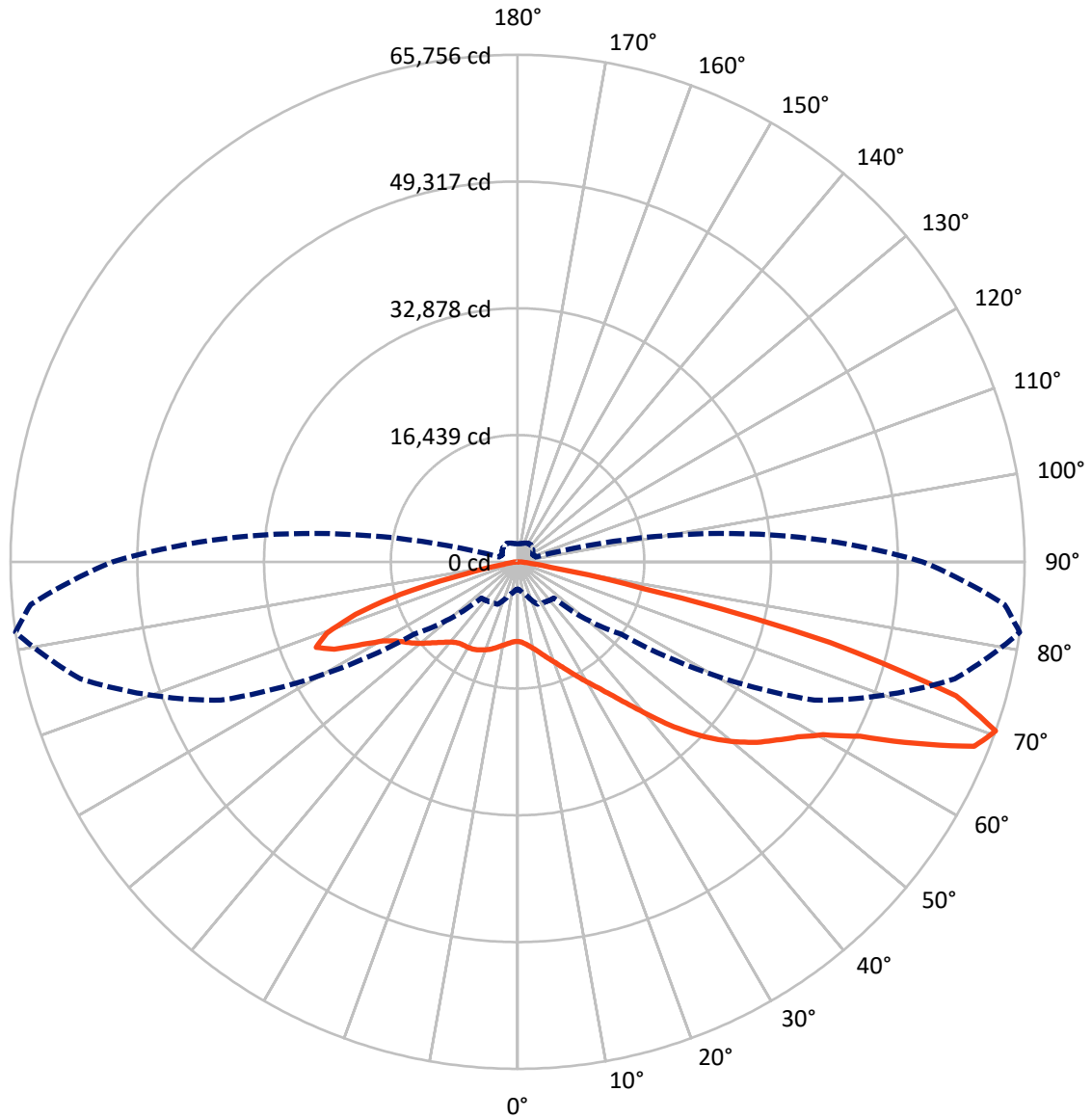
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.8 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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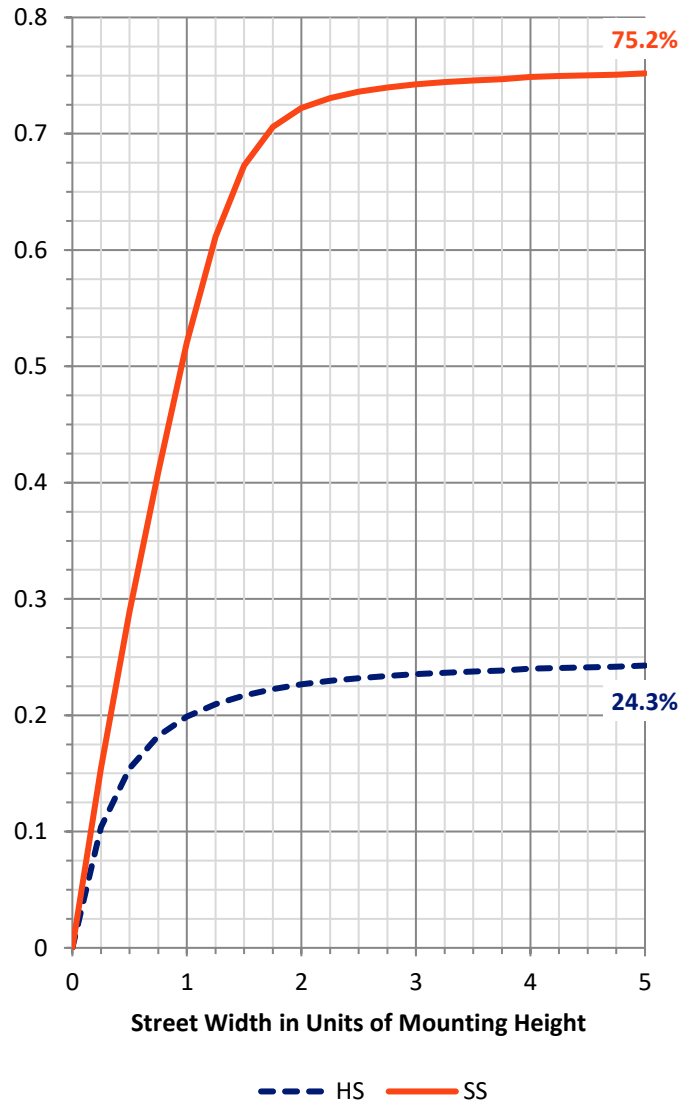
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17346.9	0.0	17346.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	53019.0	0.0	53019.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	70366.0	0.0	70366.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	974.1	1.4
10°-20°	2798.5	4.0
20°-30°	4681.7	6.7
30°-40°	7314.0	10.4
40°-50°	11648.4	16.6
50°-60°	16210.1	23.0
60°-70°	16956.5	24.1
70°-80°	8862.4	12.6
80°-90°	920.3	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°	70366.0	100.0
0°-180°	70366.0	100.0

Coefficient of Utilization

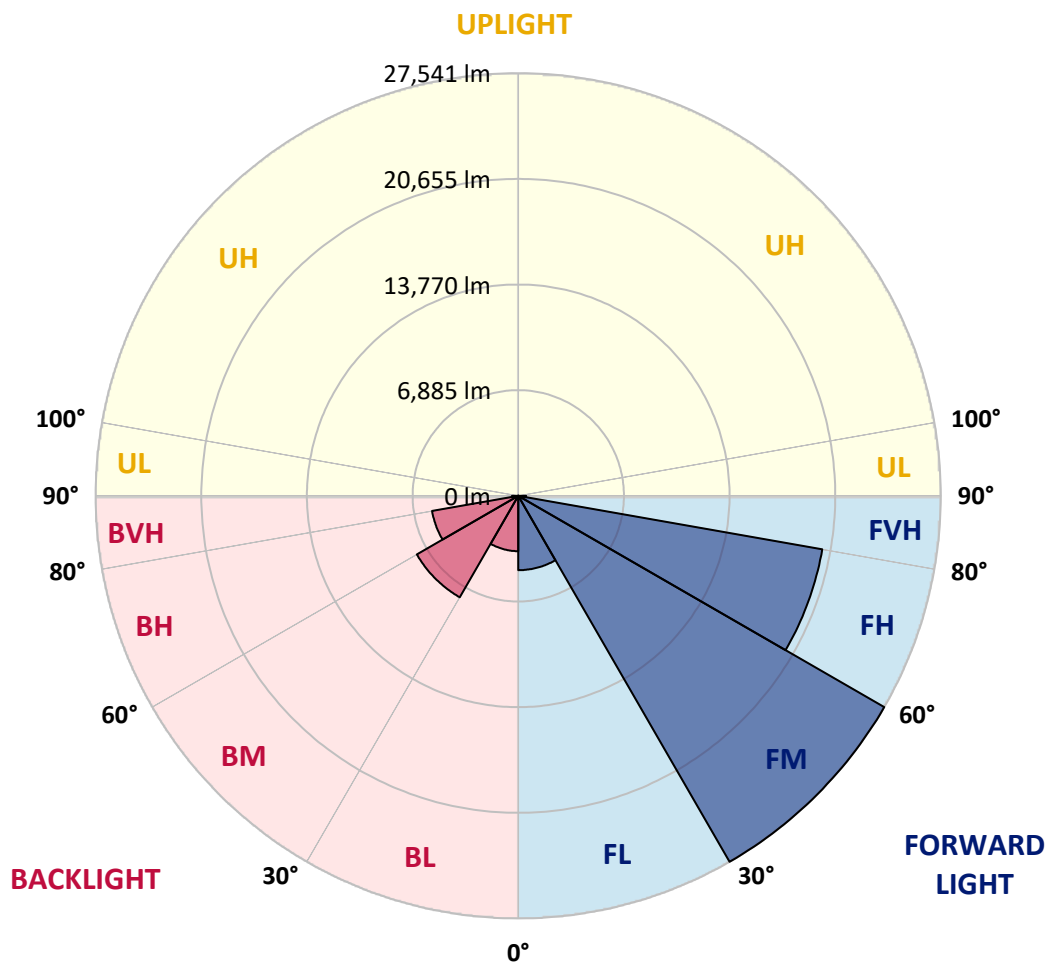


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4845.5	6.9			
FM (30°-60°)	27540.5	39.1			
FH (60°-80°)	20117.9	28.6			G5
FVH (80°-90°)	515.2	0.7			G4/750
BL (0°-30°)	3608.8	5.1	B4/5000		
BM (30°-60°)	7632.0	10.8	B4/8500		
BH (60°-80°)	5701.1	8.1	B5		G5
BVH (80°-90°)	405.1	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	10316.5	10316.5	10316.5	10316.5	10316.5	10316.5	10316.5	10316.5	10316.5	10316.5
2.5°	10563.0	10622.7	10604.0	10585.4	10585.4	10559.2	10555.5	10518.2	10488.3	10439.8
5°	10697.4	10760.9	10753.4	10768.3	10816.9	10828.1	10839.3	10816.9	10757.1	10697.4
7.5°	10577.9	10648.8	10671.2	10760.9	10910.2	11044.6	11145.4	11186.5	11130.5	11044.6
10°	10174.7	10253.1	10331.5	10544.3	10809.4	11126.8	11395.6	11556.2	11545.0	11462.8
12.5°	9356.9	9439.1	9607.1	10021.6	10507.0	11067.0	11567.4	11903.4	12019.2	11959.4
15°	8703.5	8774.5	8901.4	9327.1	9958.1	10809.4	11630.8	12284.3	12579.2	12545.6
17.5°	8684.9	8714.7	8793.1	8994.8	9480.2	10406.1	11563.6	12657.6	13221.4	13217.7
20°	9013.4	9024.6	9069.4	9110.5	9386.8	10100.0	11391.9	12967.5	13942.1	13942.1
22.5°	9469.0	9461.5	9506.3	9469.0	9603.4	10073.8	11283.6	13240.1	14744.8	14804.6
25°	10152.2	10114.9	10103.7	10017.8	10044.0	10316.5	11403.1	13550.0	15697.0	15820.2
27.5°	11063.3	11003.6	10962.5	10764.6	10697.4	10816.9	11769.0	13923.4	16757.4	16970.2
30°	12250.7	12142.4	12082.6	11739.1	11496.4	11515.1	12321.6	14420.0	17866.3	18209.8
32.5°	13871.1	13703.1	13542.6	12978.7	12534.4	12388.8	13034.8	15107.0	19068.6	19617.5
35°	15685.8	15551.3	15379.6	14509.6	13826.3	13490.3	13998.1	16066.6	20476.3	21346.2
37.5°	17433.2	17317.4	17399.6	16227.2	15346.0	14856.9	15260.1	17354.8	22212.5	23496.9
40°	19240.4	19150.7	19161.9	18041.8	17015.0	16466.1	16791.0	18971.5	24202.6	26054.6
42.5°	21204.3	21137.1	20913.1	19919.9	18766.2	18254.6	18553.3	20838.4	26338.3	28966.9
45°	23403.6	23362.5	23153.4	22014.6	20692.8	20117.8	20521.1	22899.5	28485.3	31707.6
47.5°	25304.1	25337.7	25311.5	24352.0	22981.6	22137.8	22619.5	25050.2	30482.9	34283.9
50°	26218.9	26394.4	26652.0	26353.3	25502.0	24643.2	24736.5	27126.2	32387.1	36699.7
52.5°	25740.9	26073.2	26775.2	27253.1	27581.7	27402.5	27152.3	29187.2	34179.4	38880.2
55°	23959.9	24426.6	25591.6	26745.3	28421.8	29724.9	30053.5	31472.3	35926.8	40799.4
57.5°	20715.2	21473.2	22518.6	24852.3	27675.0	30848.8	33436.3	34642.4	37778.8	42849.3
60°	15151.8	16167.4	17466.8	20939.2	25061.4	30247.6	36315.1	39511.2	40411.1	45504.0
62.5°	9696.7	10324.0	11518.8	14789.6	19527.9	27167.3	37196.3	45597.4	44873.0	49857.7
65°	6638.7	7042.0	8136.0	9973.0	12624.0	20222.4	34836.5	50160.1	51959.8	56757.7
67.5°	4824.1	5130.3	6063.7	7673.0	8225.6	11966.9	27032.8	49951.0	58848.7	63866.9
70°	3517.3	3733.8	4517.9	6063.7	6328.8	6657.4	16376.5	42461.0	58699.3	65756.2
72.5°	2606.2	2755.6	3282.0	4704.6	5122.8	4495.5	8106.1	30860.0	50440.1	59476.0
75°	1885.6	1997.6	2385.9	3599.4	4099.7	3423.9	4043.7	18034.3	35183.8	41837.4
77.5°	1441.3	1527.1	1781.0	2636.1	3282.0	2568.9	2509.1	8296.5	16682.7	16764.8
80°	1157.5	1213.5	1351.6	1855.7	2516.6	1922.9	1635.4	3349.2	5272.1	4461.9
82.5°	851.3	944.7	1142.5	1303.1	1799.7	1325.5	996.9	1691.4	2005.1	1725.0
85°	485.4	548.9	690.8	933.5	1150.0	810.2	571.3	750.5	933.5	765.4
87.5°	171.8	224.0	242.7	365.9	500.3	336.0	220.3	216.6	306.2	227.8
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°
10316.5	0°	10316.5	10316.5	10316.5	10316.5	10316.5	10316.5	10316.5	10316.5	10316.5	10316.5
10428.5	2.5°	10391.2	10372.5	10297.9	10197.1	10092.5	9991.7	9958.1	9887.1	9838.6	9812.5
10671.2	5°	10600.3	10540.6	10365.1	10141.0	9905.8	9651.9	9472.7	9308.4	9188.9	9076.9
11003.6	7.5°	10899.0	10794.5	10492.0	10100.0	9681.8	9259.9	8946.2	8707.3	8546.7	8442.2
11391.9	10°	11246.3	11085.7	10622.7	10036.5	9390.5	8785.7	8416.0	8210.7	8109.8	8053.8
11836.2	12.5°	11645.8	11418.0	10757.1	9890.9	8946.2	8255.5	8001.6	7941.8	7945.6	7949.3
12396.3	15°	12138.6	11821.3	10865.4	9573.5	8367.5	7848.5	7803.7	7900.8	8001.6	8050.1
13031.0	17.5°	12695.0	12246.9	10884.1	9050.8	7799.9	7587.1	7729.0	7938.1	8091.2	8158.4
13740.4	20°	13292.4	12680.0	10749.7	8311.5	7333.2	7374.3	7628.2	7897.0	8065.0	8150.9
14550.7	22.5°	13975.7	13143.0	10428.5	7534.8	6952.4	7142.8	7441.5	7702.9	7878.4	7964.2
15502.8	25°	14756.0	13662.0	9924.5	6881.4	6623.8	6881.4	7180.1	7396.7	7538.6	7617.0
16566.9	27.5°	15622.3	14203.4	9252.4	6362.4	6336.3	6612.6	6859.0	7027.0	7101.7	7161.5
17698.3	30°	16492.3	14696.3	8438.4	5970.4	6086.1	6347.5	6523.0	6597.7	6620.1	6631.3
18960.3	32.5°	17433.2	15122.0	7583.4	5645.5	5847.2	6089.9	6194.4	6228.0	6123.5	6052.5
20491.2	35°	18572.0	15577.5	6747.0	5387.9	5611.9	5821.0	5854.6	5824.8	5701.5	5555.9
22410.4	37.5°	19979.7	16145.0	6078.7	5204.9	5391.6	5529.8	5488.7	5481.2	5492.4	5320.7
24717.9	40°	21704.7	16884.3	5589.5	5063.1	5212.4	5242.3	5126.5	5190.0	5246.0	4984.6
27249.4	42.5°	23620.1	17776.7	5279.6	4966.0	5063.1	4992.1	4812.9	4883.8	4876.4	4532.9
29792.1	45°	25572.9	18747.5	5171.3	4895.0	4924.9	4783.0	4585.1	4603.8	4447.0	4137.1
32230.3	47.5°	27514.5	19789.2	5238.5	4835.3	4753.1	4592.6	4439.5	4357.4	4125.9	3894.4
34567.7	50°	29418.7	20883.2	5485.0	4715.8	4517.9	4424.6	4312.6	4166.9	3920.5	3722.6
36778.1	52.5°	31184.8	21984.7	5761.3	4517.9	4222.9	4279.0	4208.0	4040.0	3797.3	3595.7
38869.0	55°	32857.6	23086.2	5869.6	4245.3	3946.6	4152.0	4110.9	3801.0	3509.8	3345.5
41057.0	57.5°	34679.7	24411.7	5750.1	3898.1	3722.6	4006.4	3849.6	3506.1	3338.0	3214.8
43906.0	60°	37203.7	26491.4	5492.4	3468.7	3509.8	3789.8	3521.0	3379.1	3196.1	3058.0
48177.4	62.5°	41396.8	30370.9	5078.0	3043.1	3259.6	3468.7	3364.2	3222.3	3035.6	2901.2
55480.8	65°	47595.0	35762.5	4297.6	2710.8	2979.6	3155.1	3196.1	3054.3	2860.1	2718.2
61880.5	67.5°	52822.3	39145.3	3252.2	2434.4	2692.1	2901.2	3016.9	2878.8	2673.4	2535.3
63377.8	70°	52534.8	36688.5	2483.0	2161.9	2438.2	2651.0	2800.4	2692.1	2471.8	2341.1
57568.0	72.5°	46661.5	30692.0	2008.8	1885.6	2180.5	2389.6	2568.9	2486.7	2262.7	2135.7
42173.5	75°	34280.2	21786.8	1605.5	1605.5	1859.4	2117.1	2315.0	2262.7	2057.3	1967.7
17705.8	77.5°	14449.9	9140.4	1258.3	1333.0	1545.8	1818.4	2064.8	2083.5	1904.2	2016.3
4682.2	80°	3842.1	2520.3	959.6	1049.2	1213.5	1501.0	1796.0	1788.5	1594.3	1489.8
1740.0	82.5°	1463.7	993.2	683.3	739.3	877.4	1150.0	1422.6	1467.4	1273.2	1101.5
683.3	85°	563.8	425.7	421.9	444.3	511.5	761.7	1075.3	1112.7	959.6	814.0
190.4	87.5°	145.6	126.9	156.8	149.4	235.2	407.0	616.1	638.5	586.2	339.8
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°
10316.5
9842.3
9121.7
8464.6
8068.8
7956.8
8046.4
8173.3
8173.3
7986.6
7639.4
7183.9
6657.4
6074.9
5563.4
5331.9
4992.1
4529.1
4148.3
3894.4
3707.7
3599.4
3330.6
3203.6
3050.5
2901.2
2725.7
2539.0
2352.3
2135.7
1941.6
1829.6
1385.2
1101.5
840.1
485.4
0.0

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