

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: P849453

Luminaire Tested: **GLAN-SB6C-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43486 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

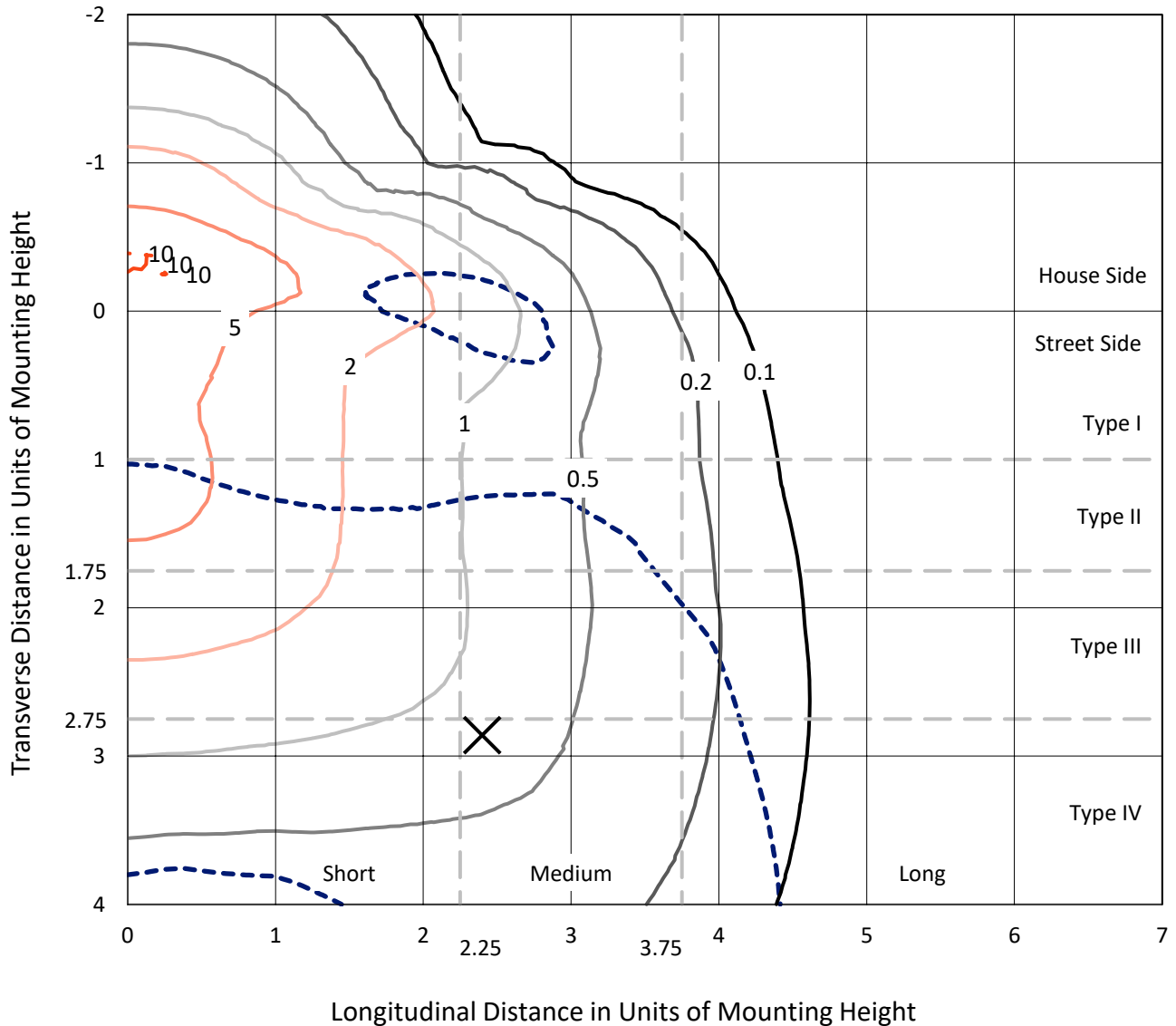
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

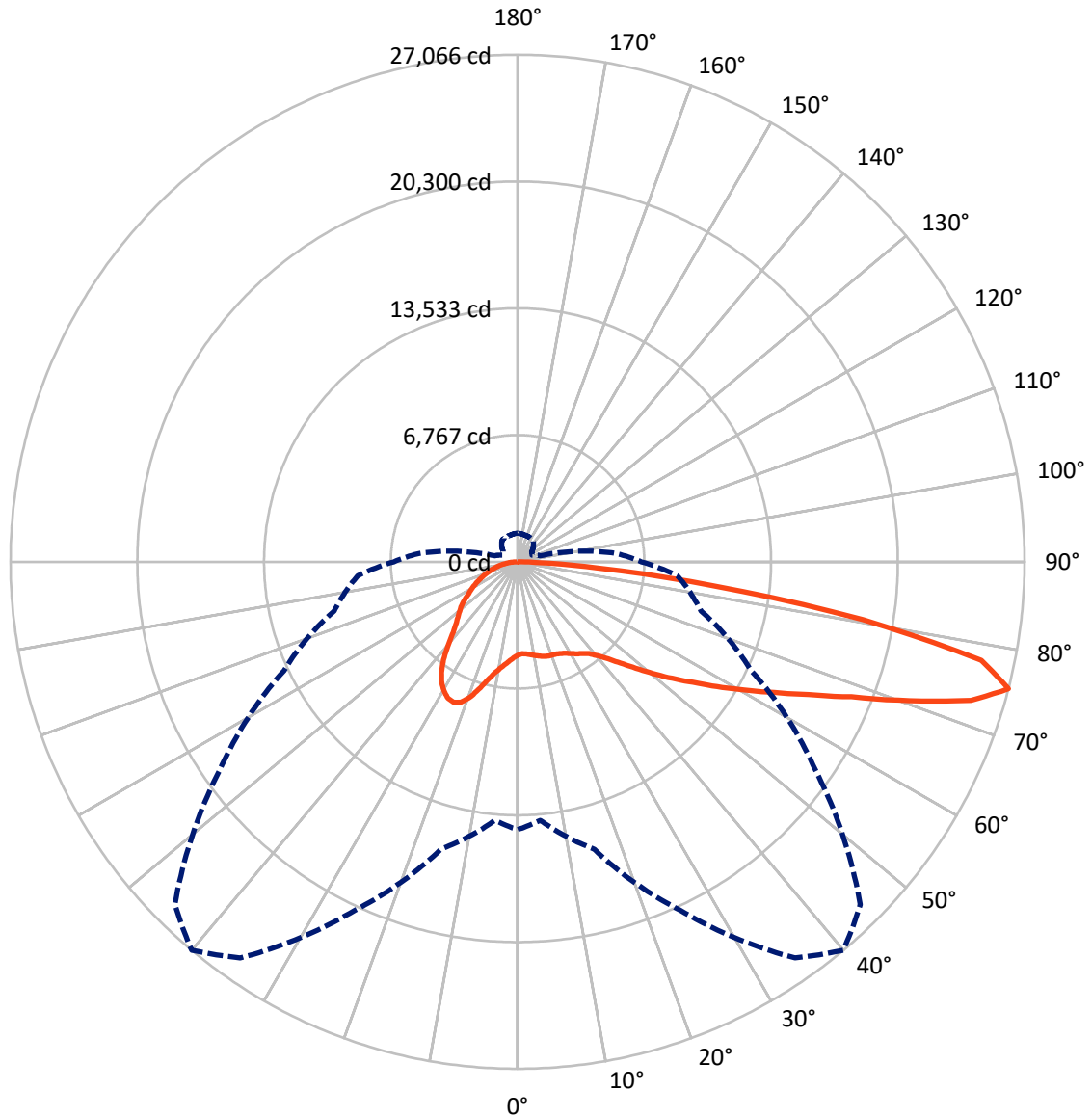
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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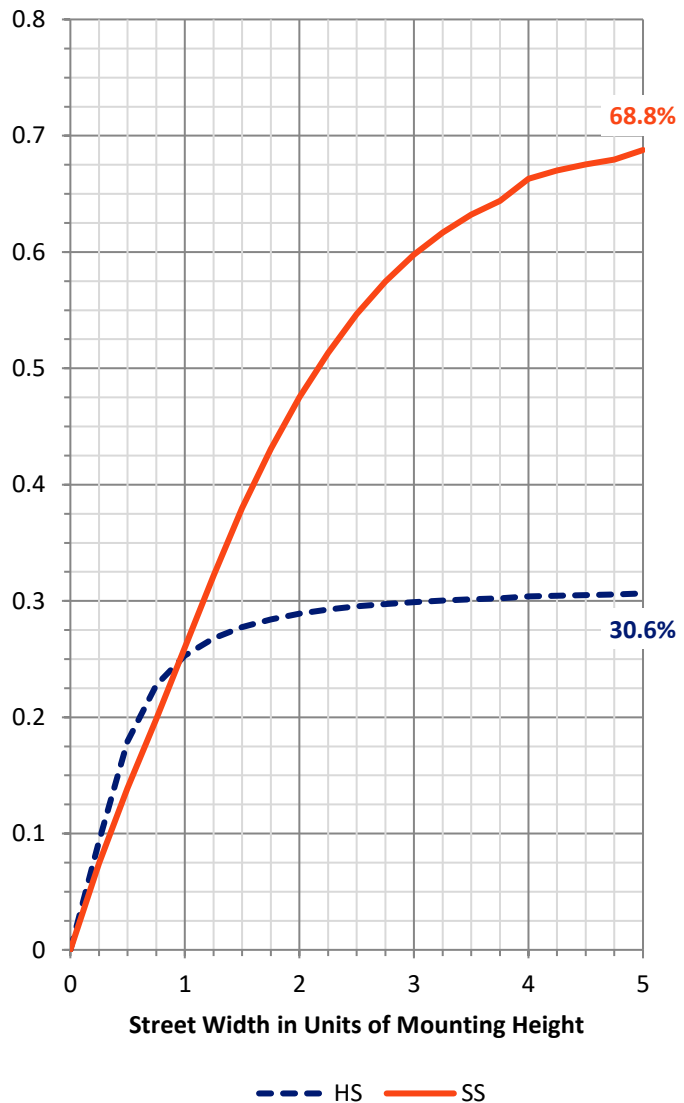
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13473.4	0.0	13473.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	30012.6	0.0	30012.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	43486.0	0.0	43486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.4	1.1
10°-20°	1666.5	3.8
20°-30°	3043.0	7.0
30°-40°	4315.8	9.9
40°-50°	5827.6	13.4
50°-60°	7839.6	18.0
60°-70°	9950.3	22.9
70°-80°	9030.5	20.8
80°-90°	1316.4	3.0
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°	43486.0	100.0
0°-180°	43486.0	100.0

Coefficient of Utilization

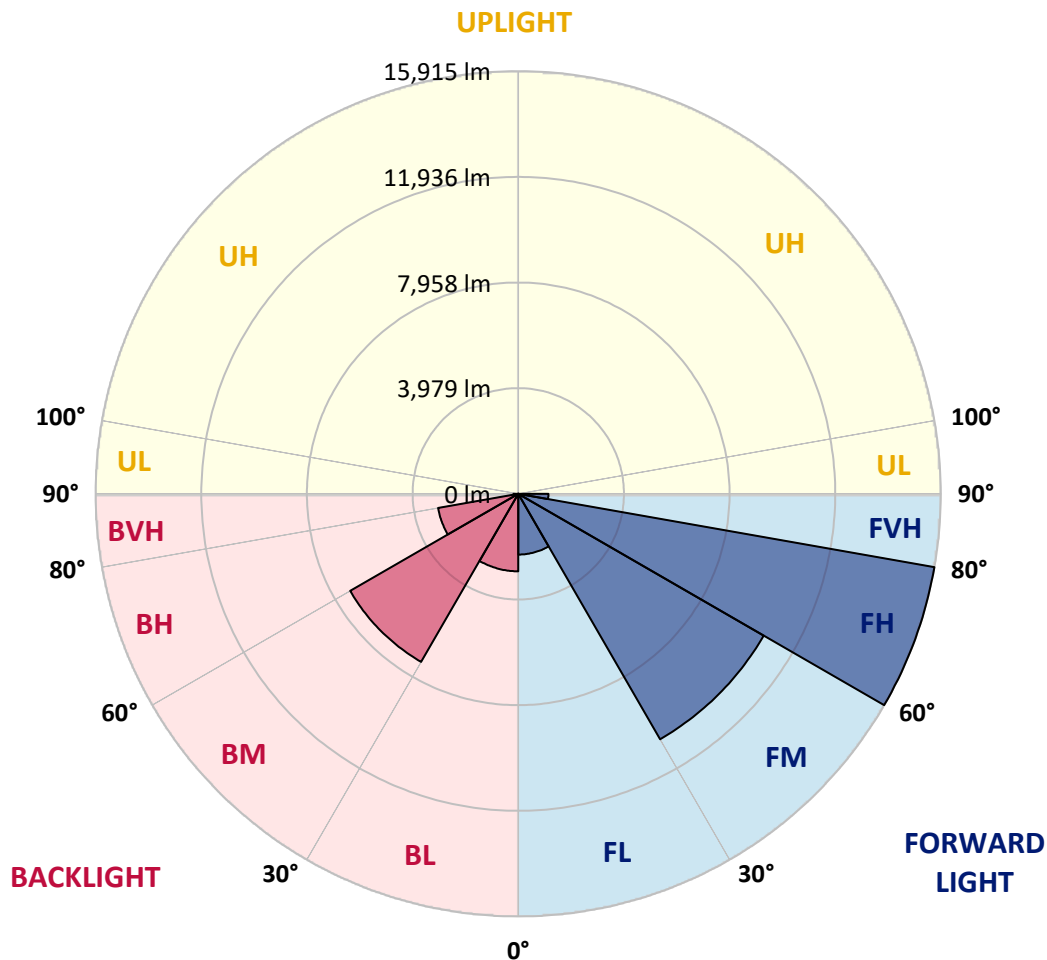


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2287.4	5.3			
FM (30°-60°)	10674.8	24.5			
FH (60°-80°)	15915.2	36.6			G5
FVH (80°-90°)	1135.1	2.6			G5
BL (0°-30°)	2918.5	6.7	B4/5000		
BM (30°-60°)	7308.1	16.8	B4/8500		
BH (60°-80°)	3065.6	7.0	B4/5000		G4/5000
BVH (80°-90°)	181.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4972.7	4972.7	4972.7	4972.7	4972.7	4972.7	4972.7	4972.7	4972.7	4972.7
2.5°	4896.6	4924.2	4917.3	4908.1	4908.1	4910.4	4908.1	4924.2	4940.4	4956.5
5°	4947.3	4975.0	4961.1	4949.6	4940.4	4938.1	4931.2	4928.9	4938.1	4958.8
7.5°	5046.5	5074.2	5053.4	5032.6	5014.2	5005.0	4995.7	4981.9	4975.0	4986.5
10°	5157.2	5184.9	5159.5	5122.6	5092.6	5081.1	5071.9	5058.0	5048.8	5055.7
12.5°	5267.9	5295.6	5261.0	5210.2	5171.0	5164.1	5152.6	5148.0	5145.7	5143.4
15°	5371.7	5394.8	5350.9	5291.0	5249.5	5237.9	5226.4	5233.3	5244.8	5258.7
17.5°	5452.4	5475.5	5410.9	5332.5	5293.3	5288.7	5281.7	5304.8	5337.1	5371.7
20°	5526.2	5549.3	5466.3	5360.2	5314.0	5314.0	5316.3	5364.8	5410.9	5461.6
22.5°	5630.0	5648.5	5547.0	5401.7	5334.8	5339.4	5357.9	5406.3	5464.0	5533.1
25°	5784.5	5798.4	5673.8	5480.1	5404.0	5417.8	5434.0	5457.0	5512.4	5593.1
27.5°	6033.6	6045.2	5881.4	5618.5	5503.2	5526.2	5549.3	5533.1	5558.5	5627.7
30°	6384.2	6391.1	6183.6	5835.3	5671.5	5683.1	5687.7	5620.8	5572.4	5627.7
32.5°	6799.4	6797.1	6550.3	6098.2	5863.0	5851.4	5812.2	5680.8	5567.7	5616.2
35°	7442.9	7417.5	7099.2	6467.3	6079.8	6008.3	5916.0	5747.6	5590.8	5604.6
37.5°	8508.5	8430.0	7989.5	7071.5	6402.7	6220.5	6084.4	5856.0	5641.5	5600.0
40°	9710.1	9610.9	9126.6	7899.6	6887.0	6594.1	6375.0	6010.6	5724.6	5620.8
42.5°	11135.5	10994.8	10473.5	8875.2	7500.5	7076.2	6746.3	6206.6	5846.8	5687.7
45°	12886.1	12699.3	11961.2	9975.3	8273.2	7708.1	7267.6	6504.2	6033.6	5816.8
47.5°	14655.1	14701.2	13651.8	11234.7	9200.4	8487.7	7920.3	6951.6	6305.8	6024.4
50°	16534.9	16567.1	15333.2	12630.1	10252.1	9368.8	8653.8	7452.1	6684.1	6319.6
52.5°	18001.8	18006.4	16860.1	14090.0	11347.7	10337.5	9444.9	8024.1	7122.3	6711.7
55°	18919.7	18908.2	17930.3	15471.6	12607.0	11354.6	10321.3	8674.5	7657.4	7173.0
57.5°	19586.3	19551.7	18668.3	16659.4	13949.3	12556.3	11313.1	9412.6	8289.3	7722.0
60°	19840.0	19819.2	19168.8	17685.8	15360.9	13884.8	12457.1	10238.3	9006.6	8370.1
62.5°	19936.9	19976.1	19660.1	18679.8	16871.6	15356.3	13714.1	11225.4	9813.9	9103.5
65°	20278.2	20349.7	20285.1	19980.7	18578.4	17079.2	15381.6	12399.4	10695.0	9890.0
67.5°	20954.0	21025.5	21053.2	21537.5	20663.4	19226.5	17462.0	13861.7	11725.9	10706.5
70°	20937.9	20917.1	21406.1	22776.1	23274.3	22199.5	20266.7	15660.7	12955.3	11384.6
72.5°	19058.1	18892.0	20047.6	22762.2	25446.9	25303.9	23691.7	17981.0	14016.2	11467.6
75°	14297.6	13854.8	15896.0	20513.5	25809.1	27066.1	25869.0	19420.2	13764.8	10132.2
77.5°	6114.4	5669.2	8074.8	15185.6	23099.0	25301.6	23871.6	16943.1	10987.9	6700.2
80°	1600.7	1598.4	2440.2	6884.7	15709.2	18684.5	16391.9	10941.7	6278.1	2394.1
82.5°	661.9	645.8	897.2	2677.8	7675.8	10485.1	8556.9	4880.4	2267.2	648.1
85°	246.8	244.5	435.9	924.9	2707.8	4324.6	3129.8	1247.8	565.1	316.0
87.5°	69.2	66.9	94.6	320.6	659.6	1001.0	535.1	205.3	159.1	124.5
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°
4972.7	0°	4972.7	4972.7	4972.7	4972.7	4972.7	4972.7	4972.7	4972.7	4972.7	4972.7
4981.9	2.5°	4988.8	5000.4	5021.1	5037.3	5058.0	5081.1	5113.4	5134.1	5154.9	5168.7
4993.4	5°	5009.6	5035.0	5088.0	5141.1	5203.3	5261.0	5327.9	5376.3	5415.5	5427.1
5035.0	7.5°	5055.7	5097.2	5187.2	5277.1	5376.3	5470.9	5567.7	5650.8	5717.7	5743.0
5108.8	10°	5136.4	5191.8	5318.6	5445.5	5577.0	5722.3	5846.8	5966.8	6061.3	6100.5
5196.4	12.5°	5237.9	5307.1	5473.2	5648.5	5830.7	6031.3	6192.8	6340.4	6458.0	6511.1
5318.6	15°	5369.4	5459.3	5671.5	5906.8	6174.3	6453.4	6658.7	6822.4	6953.9	7018.5
5445.5	17.5°	5512.4	5632.3	5899.9	6255.1	6637.9	7004.7	7244.5	7364.5	7500.5	7562.8
5563.1	20°	5650.8	5798.4	6181.3	6697.9	7207.6	7597.4	7791.2	7823.4	7832.7	7839.6
5673.8	22.5°	5793.8	5992.1	6534.1	7256.1	7802.7	8072.5	8100.2	7961.8	7768.1	7678.1
5782.2	25°	5950.6	6213.5	6995.4	7871.9	8314.7	8347.0	8134.8	7798.1	7431.3	7263.0
5869.9	27.5°	6102.8	6469.6	7549.0	8460.0	8683.7	8400.1	7943.4	7465.9	7023.1	6845.5
5932.2	30°	6255.1	6762.5	8160.2	8974.4	8852.1	8268.6	7641.2	7108.4	6663.3	6476.5
5987.5	32.5°	6409.6	7103.8	8863.6	9345.7	8822.1	7989.5	7265.3	6707.1	6315.0	6119.0
6036.0	35°	6584.9	7523.6	9530.2	9548.7	8621.5	7579.0	6769.4	6227.4	5886.0	5729.2
6093.6	37.5°	6813.2	8056.4	10118.3	9599.4	8270.9	6977.0	6153.6	5660.0	5378.6	5307.1
6178.9	40°	7096.9	8697.6	10568.1	9518.7	7751.9	6245.8	5480.1	5085.7	4926.6	4942.7
6294.3	42.5°	7465.9	9414.9	10884.1	9311.1	7030.0	5491.6	4889.7	4714.4	4790.5	4855.1
6467.3	45°	7945.7	10159.9	11080.1	8958.2	6213.5	4852.7	4541.4	4582.9	4640.6	4647.5
6746.3	47.5°	8559.2	10914.1	11209.3	8425.4	5380.9	4403.0	4320.0	4329.2	4317.7	4269.2
7163.8	50°	9324.9	11647.5	11324.6	7719.7	4672.8	4121.6	4010.9	3978.6	3819.5	3662.6
7719.7	52.5°	10196.8	12321.0	11373.0	6843.2	4121.6	3886.3	3706.4	3503.5	3205.9	3157.5
8418.5	55°	11165.5	12943.7	11248.5	5766.1	3658.0	3584.2	3312.0	3067.6	3035.3	2993.8
9338.8	57.5°	12323.3	13614.9	10994.8	4564.4	3182.9	3231.3	2966.1	2993.8	2936.1	2871.5
10522.0	60°	13589.5	14309.1	10549.7	3468.9	2691.6	2790.8	2876.1	2873.8	2857.7	2804.6
11769.8	62.5°	14728.9	14765.8	9673.2	2657.0	2260.3	2449.4	2682.4	2680.1	2666.2	2636.3
13072.9	65°	15407.0	14696.6	8210.9	2091.9	1905.1	2168.1	2419.5	2437.9	2440.2	2437.9
14053.1	67.5°	15287.1	13887.1	6204.3	1665.2	1612.2	1882.1	2158.8	2184.2	2202.6	2207.3
14177.7	70°	13930.9	12108.8	4045.5	1328.5	1351.6	1630.7	1912.0	1937.4	1953.6	1972.0
12302.5	72.5°	10858.7	8902.9	2315.7	1074.8	1123.2	1413.8	1667.6	1697.5	1706.8	1741.4
8561.5	75°	6617.2	5235.6	1250.1	846.5	922.6	1208.6	1425.4	1460.0	1476.1	1517.6
4204.6	77.5°	3146.0	2267.2	712.7	659.6	742.7	987.2	1204.0	1243.2	1199.3	1222.4
1160.1	80°	1063.3	841.9	449.8	502.8	567.4	770.4	964.1	1003.3	911.0	906.4
385.2	82.5°	371.3	341.4	286.0	334.4	366.7	551.2	728.8	779.6	678.1	675.8
173.0	85°	145.3	138.4	159.1	182.2	219.1	339.0	479.7	505.1	417.5	336.7
50.7	87.5°	30.0	32.3	39.2	41.5	66.9	117.6	173.0	212.2	168.4	143.0
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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<u>180°</u>
4972.7
5159.5
5431.7
5745.3
6102.8
6511.1
7013.9
7560.5
7858.0
7703.5
7288.3
6866.3
6497.2
6144.4
5763.8
5357.9
4998.1
4915.0
4693.6
4306.1
3683.4
3173.7
3000.7
2860.0
2786.2
2624.7
2437.9
2211.9
1981.2
1755.2
1522.2
1204.0
897.2
643.5
332.1
131.5
0.0

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