

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: P848783

Luminaire Tested: **GLAN-SB5C-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848783
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-SB5C-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 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: 36799 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

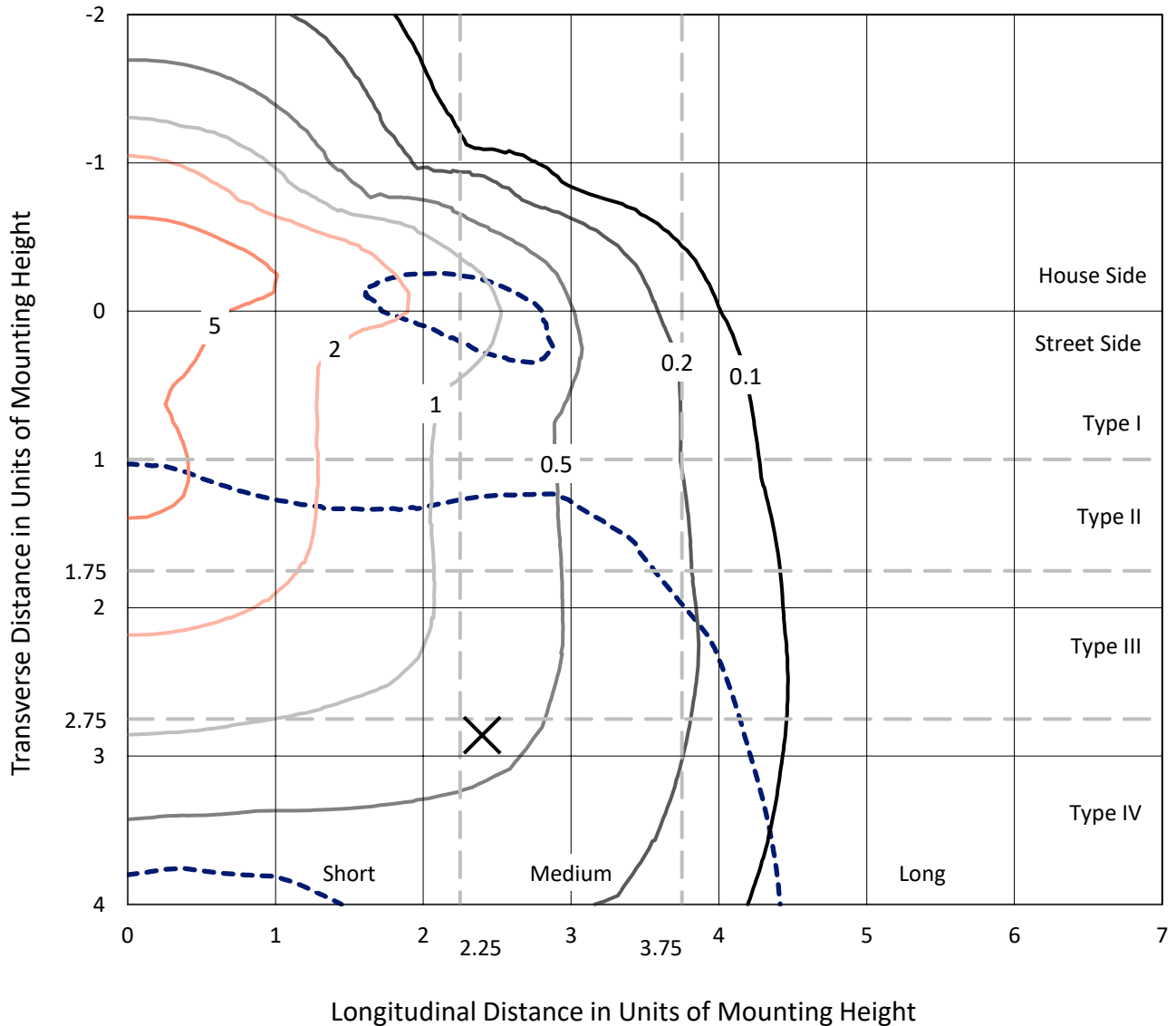
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848783
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Iso-Footcandle Lines of Horizontal Illumination

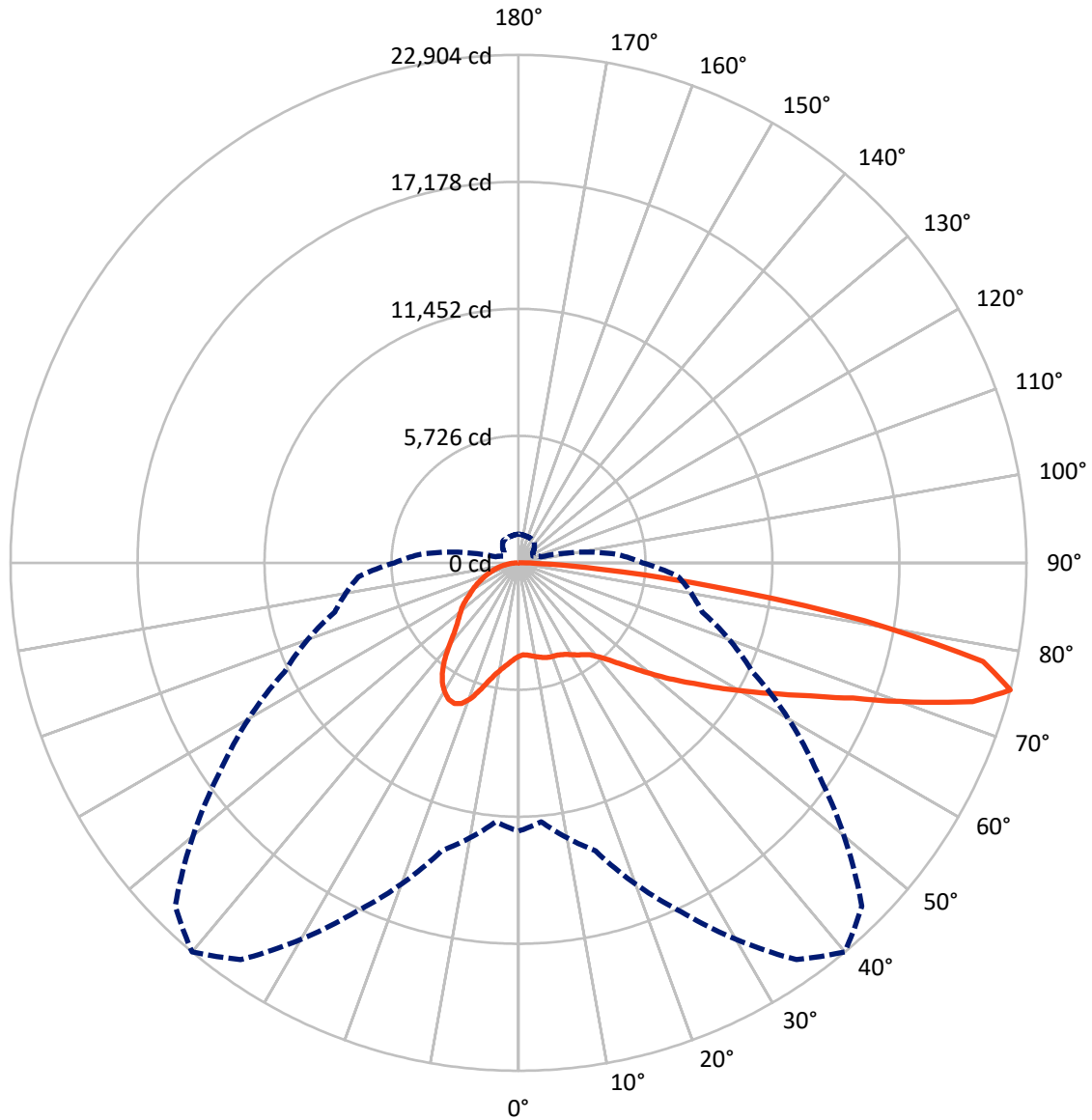
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P848783
CATALOG NUMBER: GLAN-SB5C-735-U-SL4

Luminous Intensity Polar Plot



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

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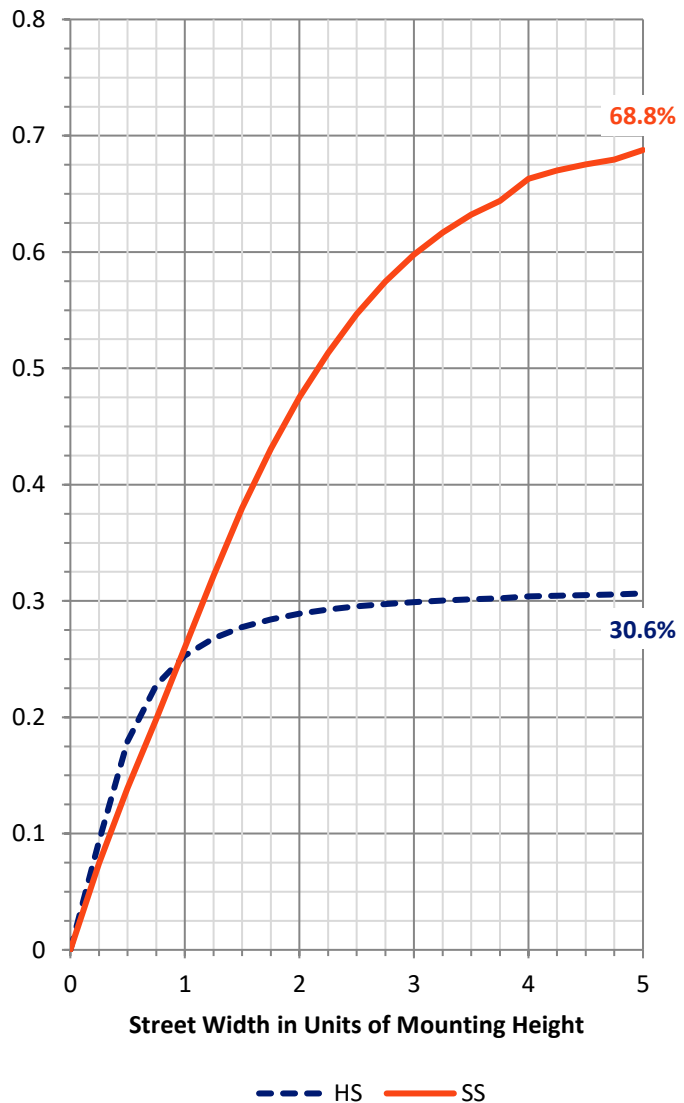
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11401.6	0.0	11401.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	25397.4	0.0	25397.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	36799.0	0.0	36799.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.0	1.1
10°-20°	1410.3	3.8
20°-30°	2575.0	7.0
30°-40°	3652.1	9.9
40°-50°	4931.4	13.4
50°-60°	6634.1	18.0
60°-70°	8420.2	22.9
70°-80°	7641.9	20.8
80°-90°	1113.9	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°	36799.0	100.0
0°-180°	36799.0	100.0

Coefficient of Utilization

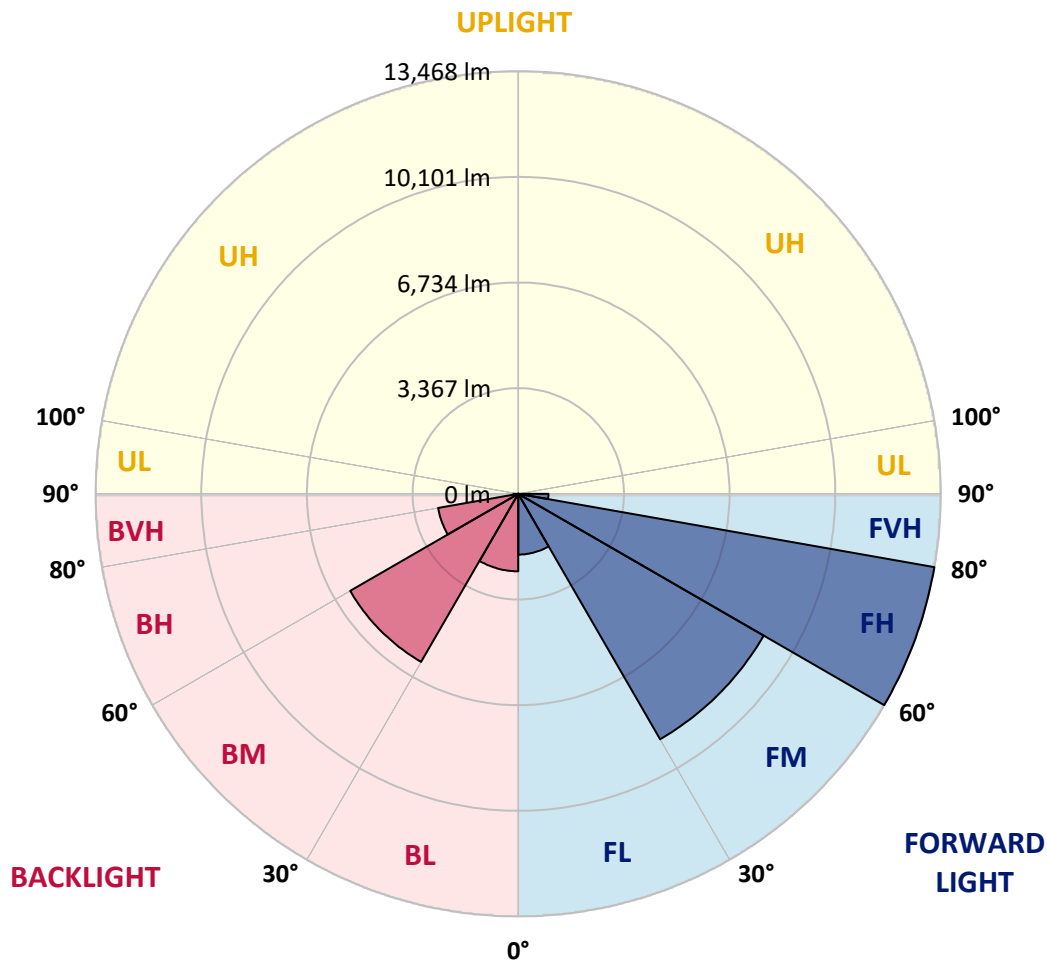


REPORT NUMBER: P848783
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1935.7	5.3			
FM (30°-60°)	9033.3	24.5			
FH (60°-80°)	13467.9	36.6			G5
FVH (80°-90°)	960.6	2.6			G5
BL (0°-30°)	2469.7	6.7	B3/2500		
BM (30°-60°)	6184.3	16.8	B4/8500		
BH (60°-80°)	2594.2	7.0	B4/5000		G4/5000
BVH (80°-90°)	153.4	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



REPORT NUMBER: P848783

CATALOG NUMBER: GLAN-SB5C-735-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4208.0	4208.0	4208.0	4208.0	4208.0	4208.0	4208.0	4208.0	4208.0	4208.0
2.5°	4143.6	4167.0	4161.2	4153.4	4153.4	4155.3	4153.4	4167.0	4180.7	4194.4
5°	4186.5	4210.0	4198.3	4188.5	4180.7	4178.7	4172.9	4170.9	4178.7	4196.3
7.5°	4270.5	4293.9	4276.3	4258.8	4243.1	4235.3	4227.5	4215.8	4210.0	4219.7
10°	4364.2	4387.6	4366.1	4334.9	4309.5	4299.7	4291.9	4280.2	4272.4	4278.3
12.5°	4457.8	4481.3	4452.0	4409.0	4375.9	4370.0	4360.3	4356.3	4354.4	4352.4
15°	4545.7	4565.2	4528.1	4477.4	4442.2	4432.5	4422.7	4428.6	4438.3	4450.0
17.5°	4614.0	4633.5	4578.9	4512.5	4479.3	4475.4	4469.6	4489.1	4516.4	4545.7
20°	4676.4	4696.0	4625.7	4535.9	4496.9	4496.9	4498.8	4539.8	4578.9	4621.8
22.5°	4764.3	4779.9	4694.0	4571.0	4514.4	4518.3	4534.0	4574.9	4623.7	4682.3
25°	4895.0	4906.7	4801.4	4637.4	4573.0	4584.7	4598.4	4617.9	4664.7	4733.0
27.5°	5105.8	5115.6	4977.0	4754.5	4656.9	4676.4	4696.0	4682.3	4703.8	4762.3
30°	5402.5	5408.4	5232.7	4938.0	4799.4	4809.2	4813.1	4756.5	4715.5	4762.3
32.5°	5753.8	5751.9	5543.0	5160.5	4961.4	4951.6	4918.5	4807.2	4711.6	4752.6
35°	6298.4	6276.9	6007.5	5472.8	5144.9	5084.4	5006.3	4863.8	4731.1	4742.8
37.5°	7200.1	7133.7	6760.9	5984.1	5418.1	5263.9	5148.8	4955.5	4774.0	4738.9
40°	8216.9	8133.0	7723.2	6684.8	5828.0	5580.1	5394.7	5086.3	4844.3	4756.5
42.5°	9423.1	9304.1	8863.0	7510.4	6347.2	5988.0	5708.9	5252.2	4947.7	4813.1
45°	10904.5	10746.4	10121.9	8441.4	7001.0	6522.8	6150.0	5504.0	5105.8	4922.4
47.5°	12401.5	12440.6	11552.5	9507.1	7785.6	7182.5	6702.4	5882.6	5336.1	5098.0
50°	13992.2	14019.6	12975.4	10687.9	8675.6	7928.1	7323.0	6306.2	5656.2	5347.8
52.5°	15233.6	15237.5	14267.4	11923.4	9602.7	8747.8	7992.5	6790.2	6027.1	5679.6
55°	16010.4	16000.6	15173.1	13092.5	10668.4	9608.6	8734.2	7340.6	6479.9	6070.0
57.5°	16574.4	16545.1	15797.6	14097.6	11804.3	10625.4	9573.4	7965.2	7014.7	6534.5
60°	16789.1	16771.6	16221.2	14966.2	12998.8	11749.7	10541.5	8663.9	7621.7	7083.0
62.5°	16871.1	16904.3	16636.9	15807.4	14277.2	12994.9	11605.2	9499.3	8304.8	7703.6
65°	17160.0	17220.5	17165.8	16908.2	15721.5	14452.9	13016.3	10492.7	9050.4	8369.2
67.5°	17731.8	17792.3	17815.8	18225.6	17485.9	16269.9	14776.8	11730.1	9922.8	9060.1
70°	17718.2	17700.6	18114.4	19273.7	19695.3	18785.8	17150.2	13252.5	10963.1	9633.9
72.5°	16127.5	15986.9	16964.8	19262.0	21533.9	21412.9	20048.6	15216.0	11860.9	9704.2
75°	12099.0	11724.3	13451.6	17359.0	21840.3	22904.0	21891.0	16433.9	11648.2	8574.1
77.5°	5174.1	4797.4	6833.1	12850.4	19547.0	21410.9	20200.8	14337.7	9298.2	5669.9
80°	1354.5	1352.6	2065.0	5826.0	13293.5	15811.3	13871.2	9259.2	5312.7	2025.9
82.5°	560.2	546.5	759.2	2266.0	6495.5	8872.7	7241.1	4129.9	1918.6	548.4
85°	208.8	206.9	368.9	782.7	2291.4	3659.6	2648.6	1055.9	478.2	267.4
87.5°	58.6	56.6	80.0	271.3	558.2	847.1	452.8	173.7	134.7	105.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848783
 CATALOG NUMBER: GLAN-SB5C-735-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4208.0	0°	4208.0	4208.0	4208.0	4208.0	4208.0	4208.0	4208.0	4208.0	4208.0	4208.0
4215.8	2.5°	4221.7	4231.4	4249.0	4262.7	4280.2	4299.7	4327.1	4344.6	4362.2	4373.9
4225.6	5°	4239.2	4260.7	4305.6	4350.5	4403.2	4452.0	4508.6	4549.6	4582.8	4592.5
4260.7	7.5°	4278.3	4313.4	4389.5	4465.6	4549.6	4629.6	4711.6	4781.8	4838.4	4859.9
4323.2	10°	4346.6	4393.4	4500.8	4608.1	4719.4	4842.3	4947.7	5049.2	5129.2	5162.4
4397.3	12.5°	4432.5	4491.0	4631.5	4779.9	4934.1	5103.9	5240.5	5365.4	5465.0	5509.8
4500.8	15°	4543.7	4619.8	4799.4	4998.5	5224.9	5461.1	5634.8	5773.3	5884.6	5939.2
4608.1	17.5°	4664.7	4766.2	4992.6	5293.2	5617.2	5927.5	6130.5	6232.0	6347.2	6399.9
4707.7	20°	4781.8	4906.7	5230.7	5667.9	6099.3	6429.1	6593.1	6620.4	6628.2	6634.1
4801.4	22.5°	4902.8	5070.7	5529.4	6140.3	6602.8	6831.2	6854.6	6737.5	6573.6	6497.4
4893.1	25°	5035.6	5258.1	5919.7	6661.4	7036.1	7063.5	6883.9	6598.9	6288.6	6146.1
4967.3	27.5°	5164.4	5474.7	6388.1	7159.1	7348.4	7108.3	6721.9	6317.9	5943.1	5792.9
5020.0	30°	5293.2	5722.6	6905.4	7594.3	7490.9	6997.1	6466.2	6015.4	5638.7	5480.6
5066.8	32.5°	5424.0	6011.4	7500.6	7908.6	7465.5	6760.9	6148.1	5675.7	5343.9	5178.0
5107.8	35°	5572.3	6366.7	8064.7	8080.3	7295.7	6413.5	5728.4	5269.8	4980.9	4848.2
5156.6	37.5°	5765.5	6817.5	8562.4	8123.3	6999.0	5904.1	5207.3	4789.6	4551.5	4491.0
5228.8	40°	6005.6	7360.1	8943.0	8055.0	6559.9	5285.4	4637.4	4303.7	4169.0	4182.6
5326.4	42.5°	6317.9	7967.1	9210.4	7879.3	5949.0	4647.2	4137.8	3989.4	4053.8	4108.5
5472.8	45°	6723.8	8597.5	9376.3	7580.7	5258.1	4106.5	3843.0	3878.2	3927.0	3932.8
5708.9	47.5°	7243.0	9235.8	9485.6	7129.8	4553.5	3725.9	3655.7	3663.5	3653.7	3612.7
6062.2	50°	7891.0	9856.4	9583.2	6532.6	3954.3	3487.8	3394.1	3366.8	3232.1	3099.4
6532.6	52.5°	8628.8	10426.4	9624.2	5790.9	3487.8	3288.7	3136.5	2964.7	2713.0	2672.0
7124.0	55°	9448.5	10953.3	9518.8	4879.4	3095.5	3033.0	2802.7	2595.9	2568.5	2533.4
7902.7	57.5°	10428.3	11521.3	9304.1	3862.6	2693.4	2734.4	2510.0	2533.4	2484.6	2430.0
8904.0	60°	11499.8	12108.8	8927.4	2935.5	2277.7	2361.6	2433.9	2431.9	2418.2	2373.4
9959.9	62.5°	12464.0	12495.2	8185.7	2248.4	1912.7	2072.8	2269.9	2268.0	2256.2	2230.9
11062.6	65°	13037.8	12436.7	6948.3	1770.3	1612.2	1834.7	2047.4	2063.0	2065.0	2063.0
11892.1	67.5°	12936.3	11751.6	5250.3	1409.2	1364.3	1592.6	1826.9	1848.3	1863.9	1867.8
11997.5	70°	11788.7	10246.8	3423.4	1124.2	1143.7	1379.9	1618.0	1639.5	1653.1	1668.8
10410.7	72.5°	9188.9	7533.8	1959.6	909.5	950.5	1196.4	1411.1	1436.5	1444.3	1473.6
7245.0	75°	5599.6	4430.5	1057.9	716.3	780.7	1022.7	1206.2	1235.5	1249.1	1284.3
3558.1	77.5°	2662.2	1918.6	603.1	558.2	628.5	835.4	1018.8	1052.0	1014.9	1034.4
981.7	80°	899.8	712.4	380.6	425.5	480.1	651.9	815.8	849.0	770.9	767.0
325.9	82.5°	314.2	288.9	242.0	283.0	310.3	466.5	616.8	659.7	573.8	571.9
146.4	85°	123.0	117.1	134.7	154.2	185.4	286.9	406.0	427.4	353.3	285.0
42.9	87.5°	25.4	27.3	33.2	35.1	56.6	99.5	146.4	179.6	142.5	121.0
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°
4208.0
4366.1
4596.4
4861.9
5164.4
5509.8
5935.3
6397.9
6649.7
6518.9
6167.6
5810.4
5498.1
5199.5
4877.5
4534.0
4229.5
4159.2
3971.9
3644.0
3117.0
2685.6
2539.3
2420.2
2357.7
2221.1
2063.0
1871.7
1676.6
1485.3
1288.2
1018.8
759.2
544.5
281.1
111.3
0.0

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