

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: P848106

Luminaire Tested: **GLAN-SB4C-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848106
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-SB4C-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29184 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

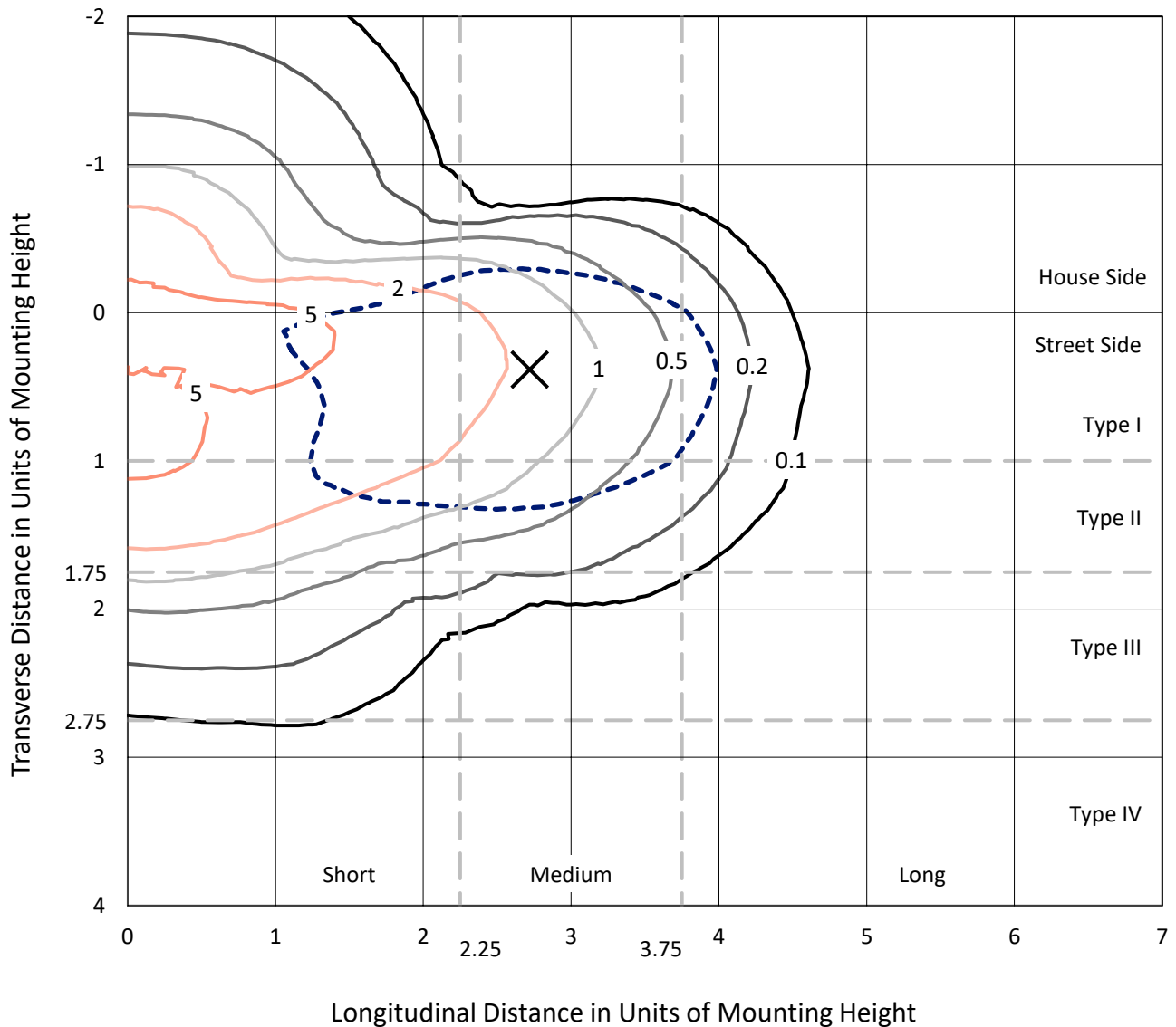
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

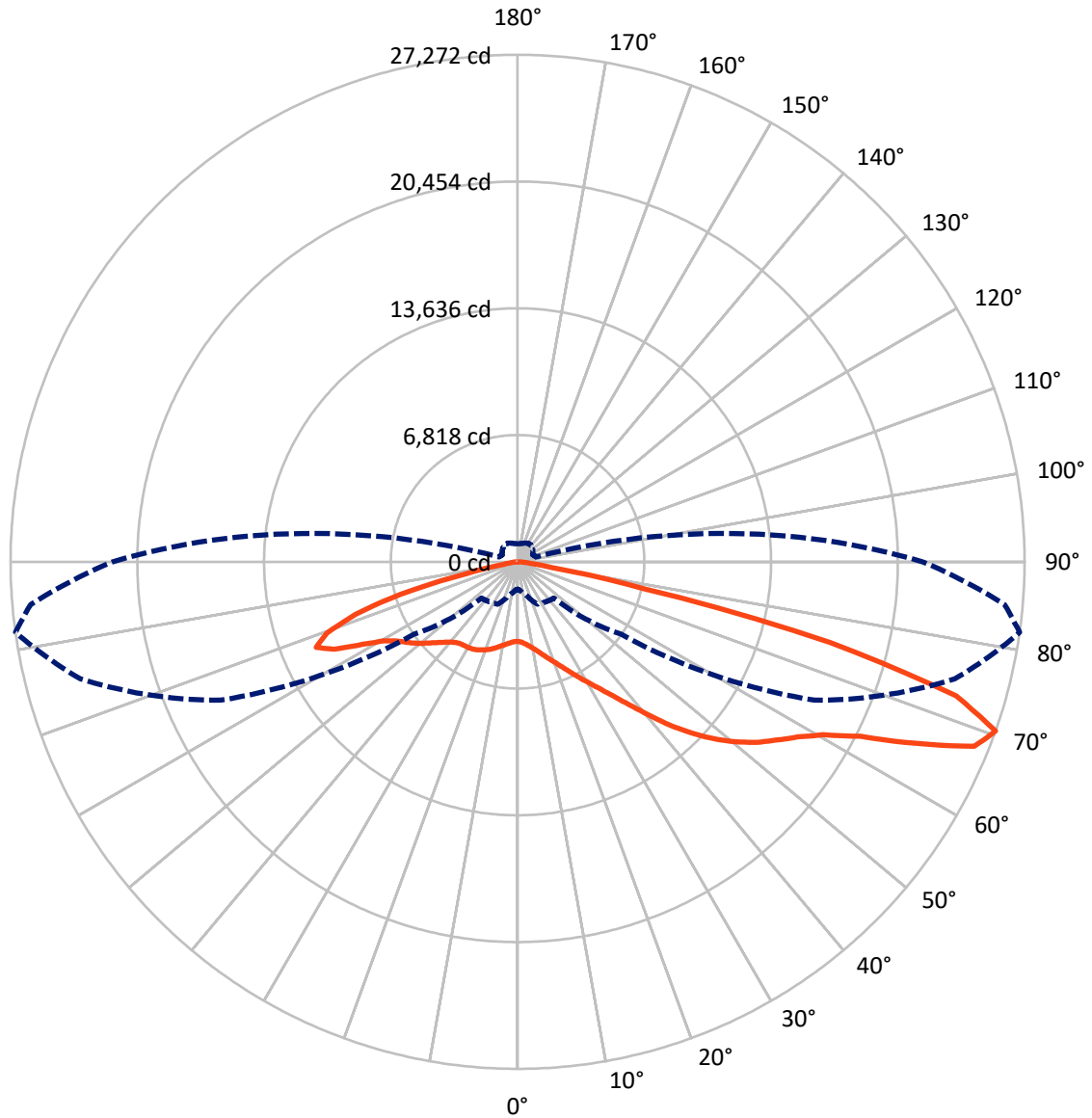
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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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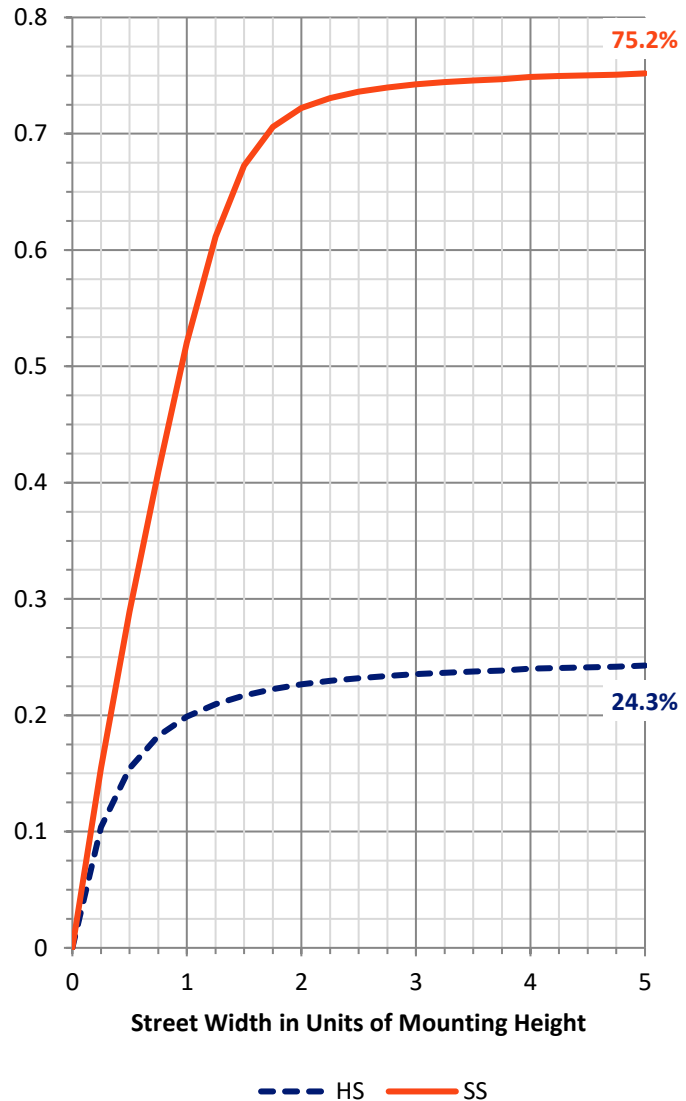
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7194.6	0.0	7194.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	21989.4	0.0	21989.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	29184.0	0.0	29184.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.0	1.4
10°-20°	1160.7	4.0
20°-30°	1941.7	6.7
30°-40°	3033.4	10.4
40°-50°	4831.1	16.6
50°-60°	6723.1	23.0
60°-70°	7032.7	24.1
70°-80°	3675.6	12.6
80°-90°	381.7	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°	29184.0	100.0
0°-180°	29184.0	100.0

Coefficient of Utilization

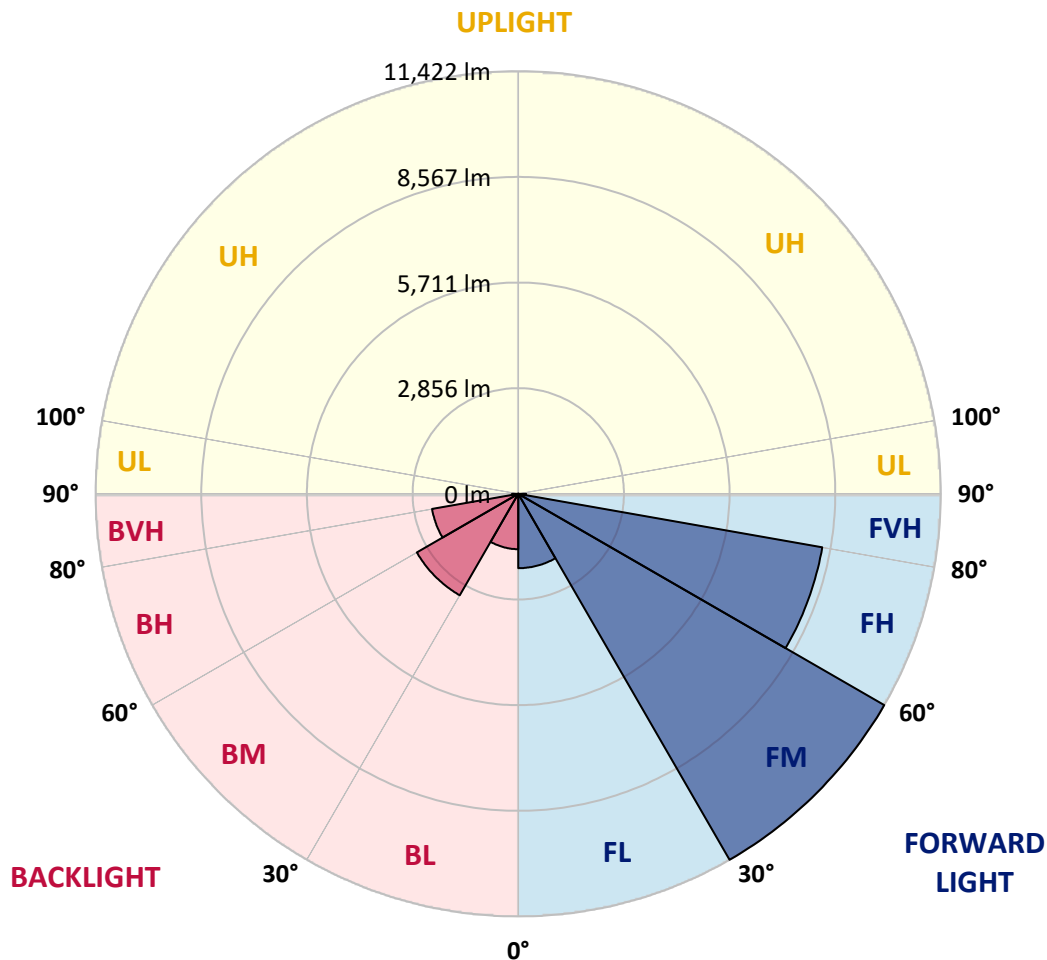


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2009.6	6.9			
FM (30°-60°)	11422.3	39.1			
FH (60°-80°)	8343.8	28.6			G4/12000
FVH (80°-90°)	213.7	0.7			G2/225
BL (0°-30°)	1496.7	5.1	B3/2500		
BM (30°-60°)	3165.3	10.8	B3/5000		
BH (60°-80°)	2364.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	168.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4278.7	4278.7	4278.7	4278.7	4278.7	4278.7	4278.7	4278.7	4278.7	4278.7
2.5°	4380.9	4405.7	4398.0	4390.2	4390.2	4379.4	4377.8	4362.4	4350.0	4329.8
5°	4436.7	4463.0	4459.9	4466.1	4486.2	4490.9	4495.5	4486.2	4461.5	4436.7
7.5°	4387.1	4416.6	4425.9	4463.0	4525.0	4580.7	4622.5	4639.6	4616.3	4580.7
10°	4219.9	4252.4	4284.9	4373.2	4483.2	4614.8	4726.3	4792.9	4788.2	4754.2
12.5°	3880.8	3914.8	3984.5	4156.4	4357.7	4590.0	4797.5	4936.9	4984.9	4960.1
15°	3609.8	3639.2	3691.8	3868.4	4130.1	4483.2	4823.8	5094.8	5217.2	5203.2
17.5°	3602.0	3614.4	3646.9	3730.5	3931.9	4315.9	4796.0	5249.7	5483.5	5482.0
20°	3738.3	3742.9	3761.5	3778.5	3893.1	4188.9	4724.7	5378.2	5782.4	5782.4
22.5°	3927.2	3924.1	3942.7	3927.2	3983.0	4178.1	4679.8	5491.3	6115.4	6140.1
25°	4210.6	4195.1	4190.5	4154.9	4165.7	4278.7	4729.4	5619.8	6510.2	6561.4
27.5°	4588.5	4563.7	4546.6	4464.6	4436.7	4486.2	4881.1	5774.7	6950.0	7038.3
30°	5080.9	5036.0	5011.2	4868.8	4768.1	4775.8	5110.3	5980.6	7410.0	7552.4
32.5°	5753.0	5683.3	5616.7	5382.9	5198.6	5138.2	5406.1	6265.6	7908.6	8136.3
35°	6505.6	6449.9	6378.6	6017.8	5734.4	5595.0	5805.6	6663.6	8492.4	8853.3
37.5°	7230.3	7182.3	7216.4	6730.1	6364.7	6161.8	6329.1	7197.8	9212.5	9745.2
40°	7979.9	7942.7	7947.3	7482.8	7056.9	6829.3	6964.0	7868.4	10037.9	10806.0
42.5°	8794.4	8766.5	8673.6	8261.7	7783.2	7571.0	7694.9	8642.7	10923.7	12013.9
45°	9706.5	9689.5	9602.8	9130.5	8582.3	8343.8	8511.0	9497.5	11814.2	13150.6
47.5°	10494.8	10508.7	10497.9	10099.9	9531.5	9181.6	9381.3	10389.5	12642.6	14219.1
50°	10874.2	10946.9	11053.8	10929.9	10576.8	10220.7	10259.4	11250.5	13432.4	15221.0
52.5°	10675.9	10813.8	11104.9	11303.1	11439.4	11365.1	11261.3	12105.3	14175.7	16125.4
55°	9937.3	10130.8	10614.0	11092.5	11787.8	12328.3	12464.6	13053.0	14900.5	16921.4
57.5°	8591.5	8905.9	9339.5	10307.4	11478.1	12794.4	13867.6	14367.8	15668.6	17771.6
60°	6284.2	6705.4	7244.3	8684.5	10394.1	12545.1	15061.5	16387.1	16760.3	18872.6
62.5°	4021.7	4281.8	4777.4	6133.9	8099.1	11267.5	15427.0	18911.3	18610.9	20678.3
65°	2753.4	2920.6	3374.4	4136.3	5235.8	8387.1	14448.3	20803.7	21550.1	23540.0
67.5°	2000.8	2127.8	2514.9	3182.3	3411.5	4963.2	11211.8	20717.0	24407.2	26488.5
70°	1458.8	1548.6	1873.8	2514.9	2624.9	2761.1	6792.1	17610.5	24345.3	27272.1
72.5°	1080.9	1142.9	1361.2	1951.2	2124.7	1864.5	3362.0	12799.1	20919.8	24667.4
75°	782.0	828.5	989.5	1492.8	1700.3	1420.1	1677.1	7479.7	14592.3	17351.9
77.5°	597.8	633.4	738.7	1093.3	1361.2	1065.4	1040.6	3441.0	6919.1	6953.1
80°	480.1	503.3	560.6	769.6	1043.7	797.5	678.3	1389.1	2186.6	1850.6
82.5°	353.1	391.8	473.9	540.5	746.4	549.7	413.5	701.5	831.6	715.4
85°	201.3	227.6	286.5	387.1	477.0	336.0	236.9	311.3	387.1	317.5
87.5°	71.2	92.9	100.7	151.8	207.5	139.4	91.4	89.8	127.0	94.5
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°
4278.7	0°	4278.7	4278.7	4278.7	4278.7	4278.7	4278.7	4278.7	4278.7	4278.7	4278.7
4325.2	2.5°	4309.7	4302.0	4271.0	4229.2	4185.8	4144.0	4130.1	4100.7	4080.5	4069.7
4425.9	5°	4396.4	4371.7	4298.9	4206.0	4108.4	4003.1	3928.8	3860.6	3811.1	3764.6
4563.7	7.5°	4520.3	4477.0	4351.5	4188.9	4015.5	3840.5	3710.4	3611.3	3544.7	3501.3
4724.7	10°	4664.3	4597.7	4405.7	4162.6	3894.7	3643.8	3490.5	3405.3	3363.5	3340.3
4909.0	12.5°	4830.0	4735.6	4461.5	4102.2	3710.4	3423.9	3318.6	3293.8	3295.4	3296.9
5141.3	15°	5034.4	4902.8	4506.4	3970.6	3470.4	3255.1	3236.5	3276.8	3318.6	3338.7
5404.6	17.5°	5265.2	5079.4	4514.1	3753.8	3235.0	3146.7	3205.6	3292.3	3355.8	3383.7
5698.8	20°	5513.0	5259.0	4458.4	3447.1	3041.4	3058.5	3163.8	3275.3	3344.9	3380.6
6034.8	22.5°	5796.4	5451.0	4325.2	3125.0	2883.5	2962.4	3086.3	3194.7	3267.5	3303.1
6429.7	25°	6120.0	5666.3	4116.1	2854.0	2747.2	2854.0	2977.9	3067.7	3126.6	3159.1
6871.1	27.5°	6479.3	5890.8	3837.4	2638.8	2627.9	2742.5	2844.7	2914.4	2945.4	2970.2
7340.3	30°	6840.1	6095.2	3499.8	2476.2	2524.2	2632.6	2705.4	2736.3	2745.6	2750.3
7863.7	32.5°	7230.3	6271.8	3145.2	2341.5	2425.1	2525.7	2569.1	2583.0	2539.7	2510.3
8498.6	35°	7702.7	6460.7	2798.3	2234.6	2327.5	2414.2	2428.2	2415.8	2364.7	2304.3
9294.6	37.5°	8286.5	6696.1	2521.1	2158.7	2236.2	2293.5	2276.4	2273.3	2278.0	2206.7
10251.6	40°	9001.9	7002.7	2318.2	2099.9	2161.8	2174.2	2126.2	2152.5	2175.8	2067.4
11301.6	42.5°	9796.3	7372.8	2189.7	2059.6	2099.9	2070.5	1996.1	2025.5	2022.5	1880.0
12356.2	45°	10606.3	7775.4	2144.8	2030.2	2042.6	1983.7	1901.7	1909.4	1844.4	1715.8
13367.4	47.5°	11411.5	8207.5	2172.7	2005.4	1971.3	1904.8	1841.3	1807.2	1711.2	1615.2
14336.8	50°	12201.3	8661.2	2274.9	1955.9	1873.8	1835.1	1788.6	1728.2	1626.0	1543.9
15253.6	52.5°	12933.8	9118.1	2389.5	1873.8	1751.4	1774.7	1745.3	1675.6	1574.9	1491.3
16120.8	55°	13627.5	9574.9	2434.4	1760.7	1636.9	1722.0	1705.0	1576.5	1455.7	1387.5
17028.2	57.5°	14383.3	10124.6	2384.8	1616.7	1543.9	1661.6	1596.6	1454.1	1384.4	1333.3
18209.8	60°	15430.1	10987.2	2278.0	1438.6	1455.7	1571.8	1460.3	1401.5	1325.6	1268.3
19981.4	62.5°	17169.2	12596.2	2106.1	1262.1	1351.9	1438.6	1395.3	1336.4	1259.0	1203.3
23010.4	65°	19739.8	14832.3	1782.4	1124.3	1235.8	1308.6	1325.6	1266.7	1186.2	1127.4
25664.7	67.5°	21907.8	16235.4	1348.8	1009.7	1116.5	1203.3	1251.3	1194.0	1108.8	1051.5
26285.7	70°	21788.6	15216.4	1029.8	896.6	1011.2	1099.5	1161.4	1116.5	1025.2	971.0
23876.1	72.5°	19352.7	12729.4	833.1	782.0	904.4	991.1	1065.4	1031.4	938.4	885.8
17491.3	75°	14217.6	9036.0	665.9	665.9	771.2	878.0	960.1	938.4	853.3	816.1
7343.4	77.5°	5993.0	3790.9	521.9	552.8	641.1	754.2	856.4	864.1	789.8	836.2
1941.9	80°	1593.5	1045.3	398.0	435.2	503.3	622.5	744.9	741.8	661.2	617.9
721.6	82.5°	607.0	411.9	283.4	306.6	363.9	477.0	590.0	608.6	528.1	456.8
283.4	85°	233.8	176.5	175.0	184.3	212.2	315.9	446.0	461.5	398.0	337.6
79.0	87.5°	60.4	52.7	65.0	61.9	97.6	168.8	255.5	264.8	243.1	140.9
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°
4278.7
4082.1
3783.2
3510.6
3346.5
3300.0
3337.2
3389.9
3389.9
3312.4
3168.4
2979.5
2761.1
2519.5
2307.4
2211.4
2070.5
1878.4
1720.5
1615.2
1537.7
1492.8
1381.3
1328.7
1265.2
1203.3
1130.5
1053.0
975.6
885.8
805.3
758.8
574.5
456.8
348.4
201.3
0.0

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