

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: P851417

Luminaire Tested: **GLAN-SB9B-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851417
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-SB9B-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 450mA 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: 34539 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

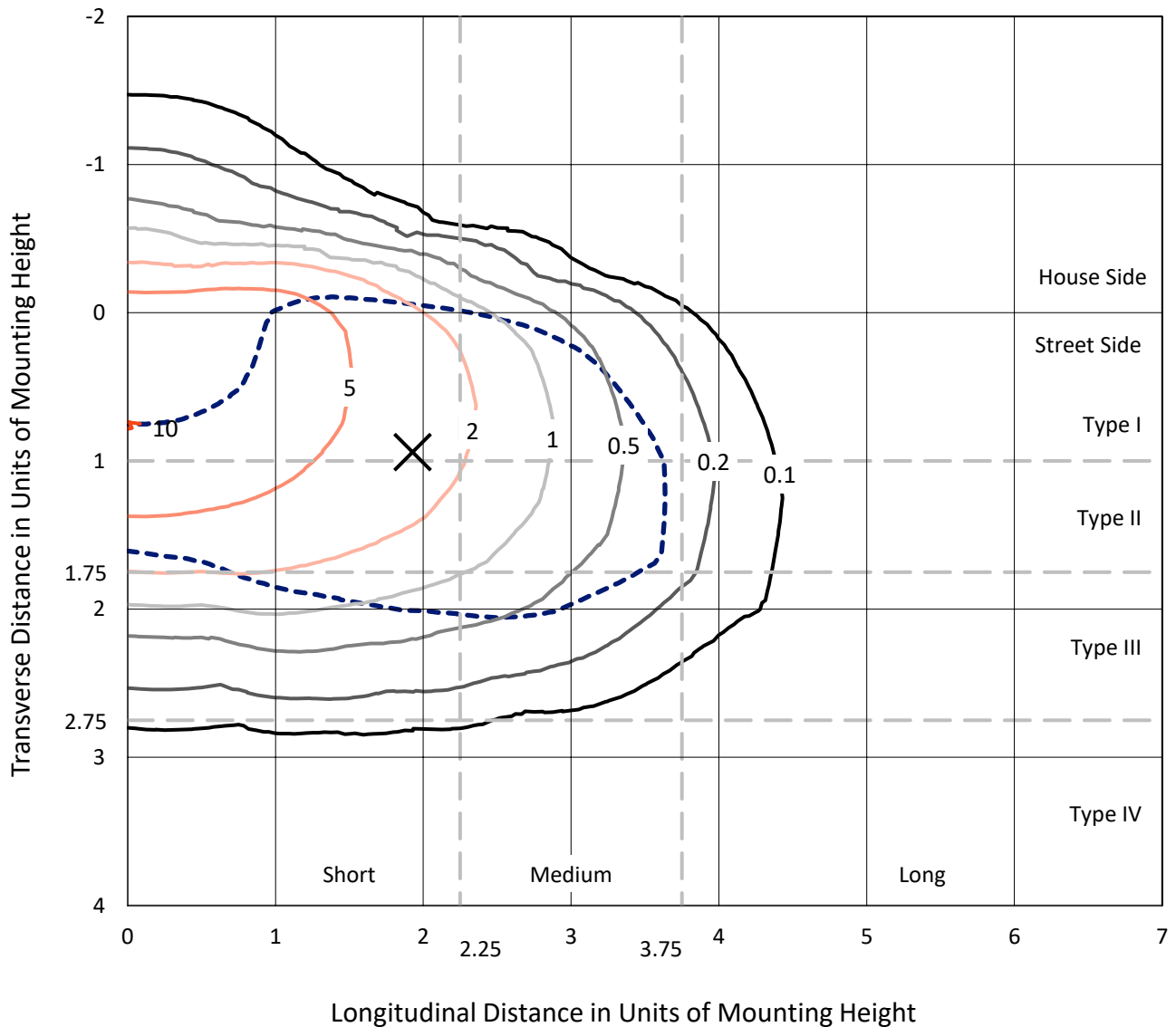
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

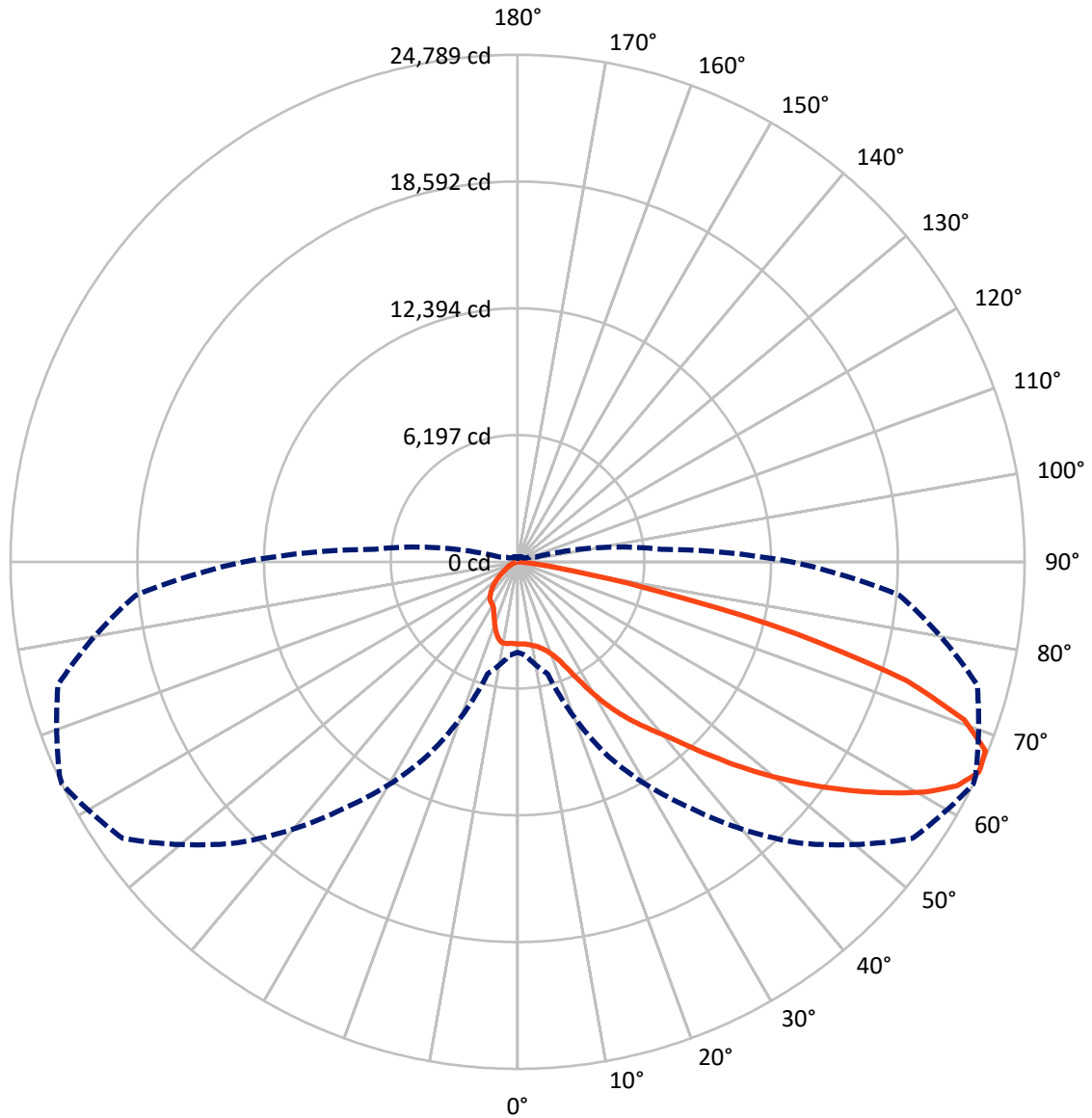
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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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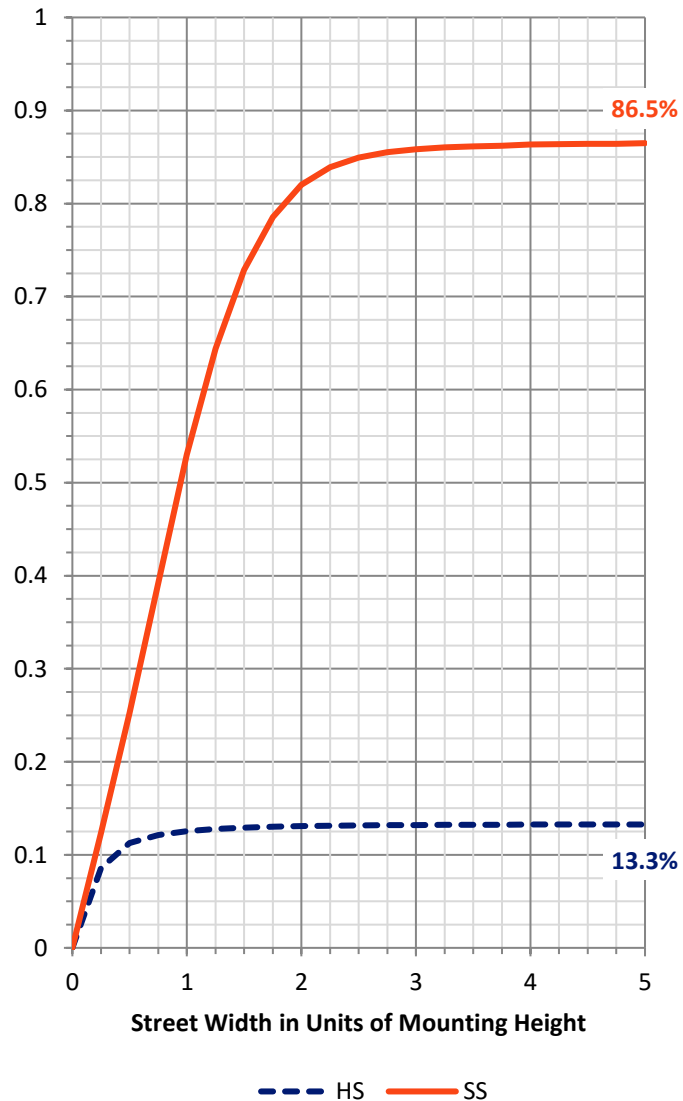
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4618.9	0.0	4618.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	29920.1	0.0	29920.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	34539.0	0.0	34539.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.6	1.1
10°-20°	1005.3	2.9
20°-30°	1904.9	5.5
30°-40°	3854.6	11.2
40°-50°	6566.3	19.0
50°-60°	8929.7	25.9
60°-70°	8385.4	24.3
70°-80°	3359.6	9.7
80°-90°	162.8	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°	34539.0	100.0
0°-180°	34539.0	100.0

Coefficient of Utilization



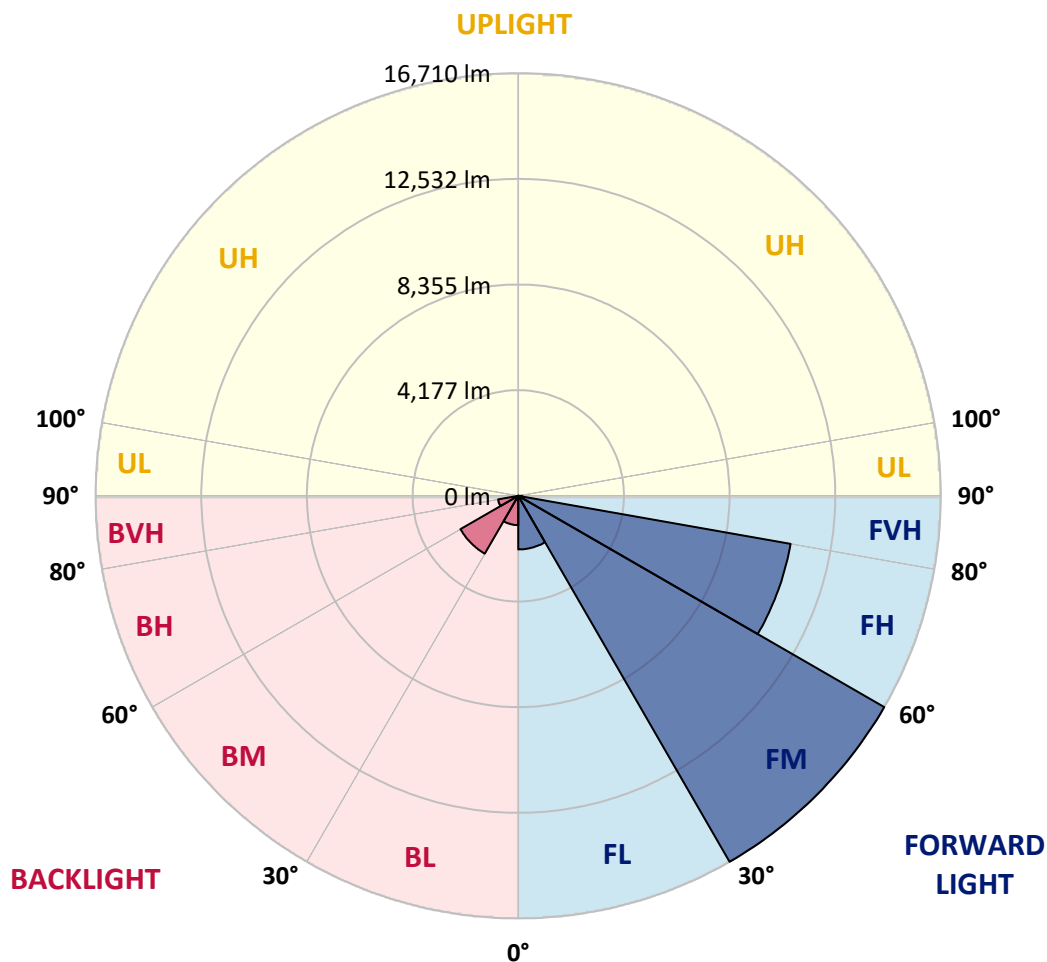
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2121.1	6.1			
FM (30°-60°)	16709.9	48.4			
FH (60°-80°)	10934.3	31.7			G4/12000
FVH (80°-90°)	154.8	0.4			G2/225
BL (0°-30°)	1159.7	3.4	B3/2500		
BM (30°-60°)	2640.6	7.6	B3/5000		
BH (60°-80°)	810.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4017.2	4017.2	4017.2	4017.2	4017.2	4017.2	4017.2	4017.2	4017.2	4017.2
2.5°	4003.4	4031.1	4024.2	4017.2	4014.9	4019.6	4021.9	4019.6	4019.6	4019.6
5°	3926.9	3950.1	3950.1	3966.3	3989.5	4017.2	4038.1	4042.7	4047.3	4054.3
7.5°	3781.1	3799.6	3813.5	3866.7	3924.6	3998.7	4061.2	4093.7	4098.3	4123.8
10°	3681.5	3704.7	3727.8	3783.4	3866.7	3977.9	4084.4	4163.1	4174.7	4234.9
12.5°	3676.9	3700.0	3730.1	3790.3	3887.6	4005.7	4135.3	4248.8	4269.6	4357.6
15°	3725.5	3753.3	3781.1	3855.2	3959.4	4102.9	4241.8	4383.1	4403.9	4529.0
17.5°	3825.1	3862.1	3883.0	3957.0	4068.2	4227.9	4410.9	4572.9	4591.5	4737.3
20°	4021.9	4065.9	4072.8	4133.0	4241.8	4413.2	4630.8	4832.3	4855.4	5022.1
22.5°	4429.4	4491.9	4436.3	4466.4	4563.7	4735.0	4971.2	5225.9	5258.3	5448.2
25°	5147.2	5235.2	5091.6	5040.7	5082.3	5260.6	5557.0	5878.8	5915.9	6068.7
27.5°	6557.3	6443.8	6226.1	6013.1	5888.1	5990.0	6323.4	6721.6	6768.0	6916.1
30°	8106.3	8006.7	7712.6	7240.3	6943.9	6927.7	7235.7	7680.2	7733.5	7874.7
32.5°	9657.6	9562.7	9243.1	8662.0	8147.9	7893.2	8106.3	8599.4	8627.2	8717.5
35°	11183.5	11086.2	10766.7	10171.6	9539.5	8960.7	8919.0	9474.7	9483.9	9578.9
37.5°	12718.6	12637.5	12297.2	11713.7	11090.8	10292.0	9905.3	10303.6	10315.2	10407.8
40°	13813.8	13848.5	13614.6	13163.1	12628.3	11755.4	11012.1	11185.8	11116.3	11271.4
42.5°	14753.8	14823.3	14619.5	14392.6	14082.4	13313.6	12382.8	12352.7	12241.6	12325.0
45°	15566.5	15624.4	15441.5	15388.2	15381.3	14841.8	13880.9	13700.3	13545.2	13529.0
47.5°	15865.2	15976.4	16055.1	16233.4	16580.7	16353.8	15429.9	15149.8	14976.1	14848.8
50°	15978.7	16096.8	16365.4	16884.0	17706.0	17803.2	16972.0	16657.1	16444.1	16212.5
52.5°	15825.9	16036.6	16397.8	17270.7	18463.1	18965.6	18451.5	18176.0	17932.9	17555.5
55°	14925.2	15135.9	15874.5	17266.0	18840.5	19780.6	19850.0	19727.3	19454.1	18859.1
57.5°	13026.5	13339.1	14508.4	16677.9	18833.6	20482.2	21220.8	21308.8	21003.1	20151.1
60°	10396.2	10819.9	12246.2	15374.4	18252.4	20861.9	22422.5	22862.4	22538.2	21424.5
62.5°	7254.2	7745.1	9094.9	13332.2	16923.4	20588.7	23300.0	24112.7	23867.3	22563.7
65°	4424.8	4582.2	5670.5	10491.1	14663.5	19444.9	23570.9	24788.8	24707.8	23260.7
67.5°	2947.5	3079.5	3392.1	7194.0	11382.6	17159.5	22922.6	24670.7	24693.9	23147.2
70°	1775.9	1889.4	2093.1	4184.0	7376.9	13582.2	20915.1	23165.7	23300.0	21630.6
72.5°	731.7	808.1	993.3	1896.3	3820.4	8620.3	16654.8	19889.4	20202.0	18187.6
75°	414.5	453.8	583.5	951.6	1657.8	4017.2	10088.3	14119.4	14580.2	12535.7
77.5°	275.5	294.1	377.4	615.9	933.1	1370.7	4311.3	7356.1	8235.9	6846.7
80°	185.2	201.4	259.3	412.1	606.6	588.1	1373.0	2725.2	3352.7	2352.5
82.5°	125.0	127.3	185.2	270.9	384.4	284.8	405.2	847.4	1065.1	680.7
85°	71.8	69.5	136.6	157.4	171.3	118.1	122.7	254.7	333.4	287.1
87.5°	9.3	13.9	53.3	41.7	23.2	25.5	25.5	44.0	64.8	69.5
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°
4017.2	0°	4017.2	4017.2	4017.2	4017.2	4017.2	4017.2	4017.2	4017.2	4017.2	4017.2
4021.9	2.5°	4021.9	4019.6	4012.6	4005.7	3989.5	3980.2	3984.8	3980.2	3977.9	3980.2
4052.0	5°	4052.0	4045.0	4026.5	4003.4	3970.9	3931.6	3906.1	3869.1	3834.3	3813.5
4133.0	7.5°	4133.0	4126.1	4100.6	4035.8	3931.6	3767.2	3616.7	3484.7	3385.1	3327.3
4262.7	10°	4262.7	4251.1	4211.7	4068.2	3795.0	3436.1	3137.4	2889.6	2727.6	2651.1
4415.5	12.5°	4415.5	4401.6	4332.1	4038.1	3535.6	2975.3	2563.2	2287.6	2137.1	2070.0
4591.5	15°	4596.1	4577.6	4441.0	3894.5	3158.2	2465.9	2088.5	1882.4	1785.2	1725.0
4816.1	17.5°	4820.7	4788.3	4522.0	3679.2	2748.4	2076.9	1796.8	1641.6	1556.0	1498.1
5110.1	20°	5112.4	5059.2	4586.8	3422.2	2371.0	1831.5	1600.0	1470.3	1405.5	1354.5
5526.9	22.5°	5519.9	5443.5	4665.6	3144.3	2104.7	1662.5	1454.1	1359.1	1305.9	1248.0
6108.1	25°	6024.7	5934.4	4762.8	2887.3	1921.8	1516.6	1347.6	1268.8	1206.3	1139.2
6869.8	27.5°	6730.9	6568.8	4878.6	2676.6	1764.3	1391.6	1250.3	1162.3	1090.6	1035.0
7733.5	30°	7518.2	7251.9	4980.5	2549.3	1620.8	1275.8	1123.0	1035.0	967.8	928.5
8509.1	32.5°	8263.7	7902.5	5047.6	2493.7	1491.1	1143.8	984.1	889.1	838.2	826.6
9268.6	35°	8967.6	8490.6	5040.7	2440.4	1375.4	1011.8	847.4	750.2	710.8	717.8
10085.9	37.5°	9778.0	9118.1	4992.0	2357.1	1280.4	891.4	729.4	643.7	609.0	611.3
11079.3	40°	10720.4	9842.8	4961.9	2199.6	1176.2	780.3	632.1	562.6	537.2	527.9
12125.8	42.5°	11725.3	10544.4	4966.6	2021.4	1046.6	680.7	565.0	507.1	483.9	477.0
13290.5	45°	12734.8	11213.6	4973.5	1836.1	910.0	604.3	516.3	467.7	453.8	444.6
14471.3	47.5°	13684.1	11783.1	4843.8	1637.0	775.7	546.4	477.0	444.6	433.0	421.4
15656.8	50°	14568.6	12162.9	4531.3	1405.5	669.2	500.1	446.9	423.7	412.1	400.6
16731.2	52.5°	15256.3	12223.1	4014.9	1167.0	595.1	465.4	428.4	407.5	393.6	382.0
17599.5	55°	15561.9	11845.7	3280.9	944.7	537.2	435.3	409.8	389.0	372.8	361.2
18282.5	57.5°	15483.2	11051.5	2558.5	759.5	481.6	405.2	386.7	372.8	354.3	335.7
18835.9	60°	15096.5	9988.7	1928.7	632.1	430.7	372.8	361.2	349.6	324.2	296.4
19048.9	62.5°	14427.3	8652.7	1375.4	523.3	375.1	335.7	331.1	321.8	284.8	233.9
18734.0	65°	13403.9	7029.6	926.2	435.3	321.8	294.1	296.4	280.2	231.5	173.7
17580.9	67.5°	11908.2	5140.2	592.7	356.6	268.6	245.4	247.7	238.5	196.8	148.2
15395.2	70°	10002.6	3403.7	386.7	270.9	215.3	189.9	203.8	206.1	166.7	120.4
11815.6	72.5°	7332.9	2009.8	270.9	201.4	157.4	132.0	166.7	171.3	134.3	90.3
7108.3	75°	4179.3	954.0	203.8	145.9	97.2	92.6	129.7	129.7	92.6	60.2
3077.2	77.5°	1755.1	398.3	143.6	94.9	55.6	53.3	88.0	81.0	46.3	27.8
750.2	80°	507.1	178.3	76.4	46.3	23.2	20.8	34.7	25.5	11.6	4.6
284.8	82.5°	199.1	78.7	30.1	18.5	9.3	9.3	4.6	0.0	0.0	0.0
162.1	85°	118.1	32.4	13.9	6.9	2.3	0.0	0.0	0.0	0.0	0.0
34.7	87.5°	30.1	6.9	4.6	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°
4017.2
3989.5
3818.1
3329.6
2644.2
2063.0
1727.3
1493.4
1345.3
1238.7
1132.2
1023.4
921.5
833.5
717.8
620.5
525.6
474.7
444.6
421.4
400.6
379.7
358.9
333.4
291.7
229.2
169.0
141.2
115.8
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