

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: P850187

Luminaire Tested: **GLAN-SB7C-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850187
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-SB7C-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 615mA 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: 33304 lumens
Efficiency: N/A
Efficacy: 95.0 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

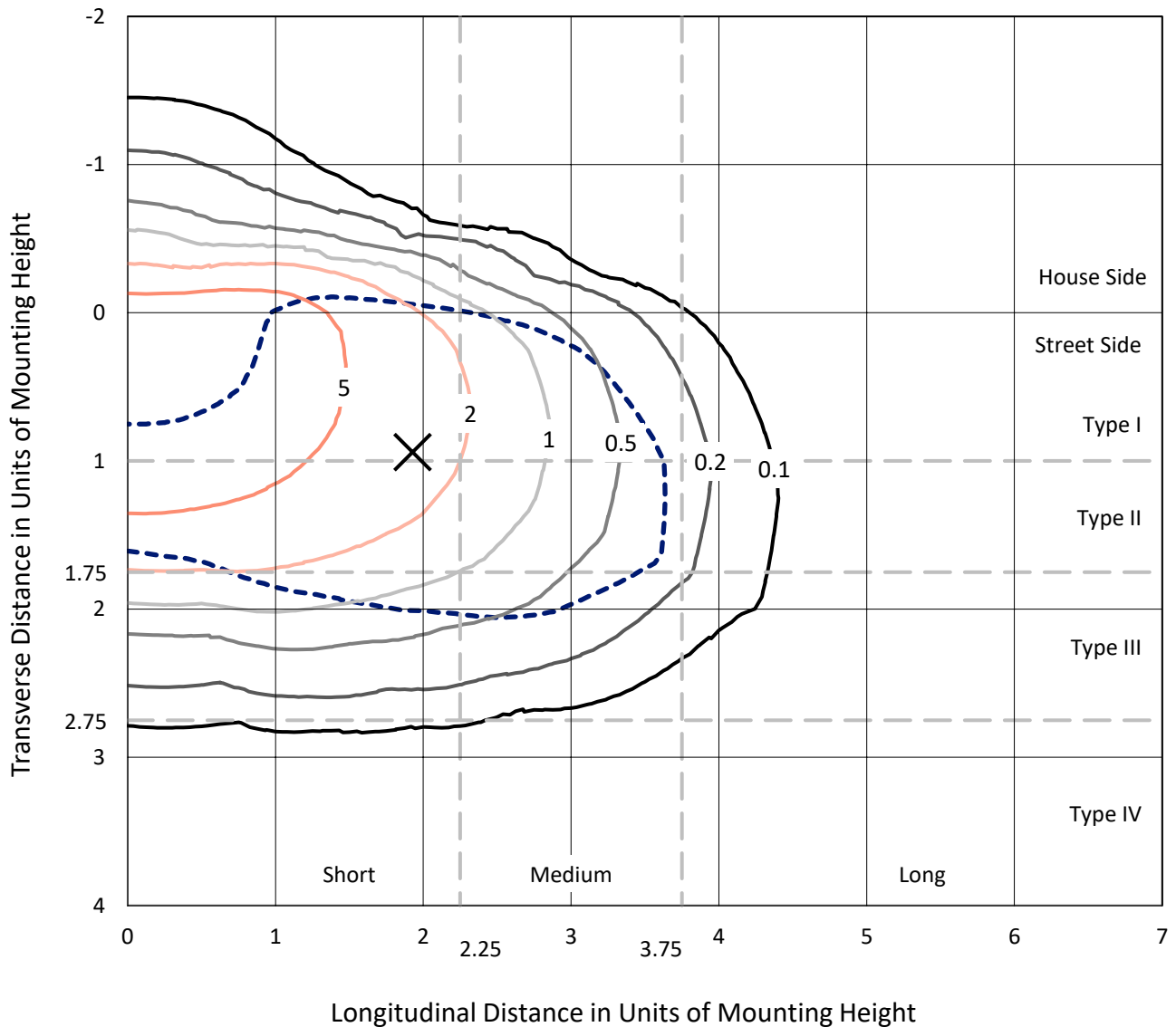
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

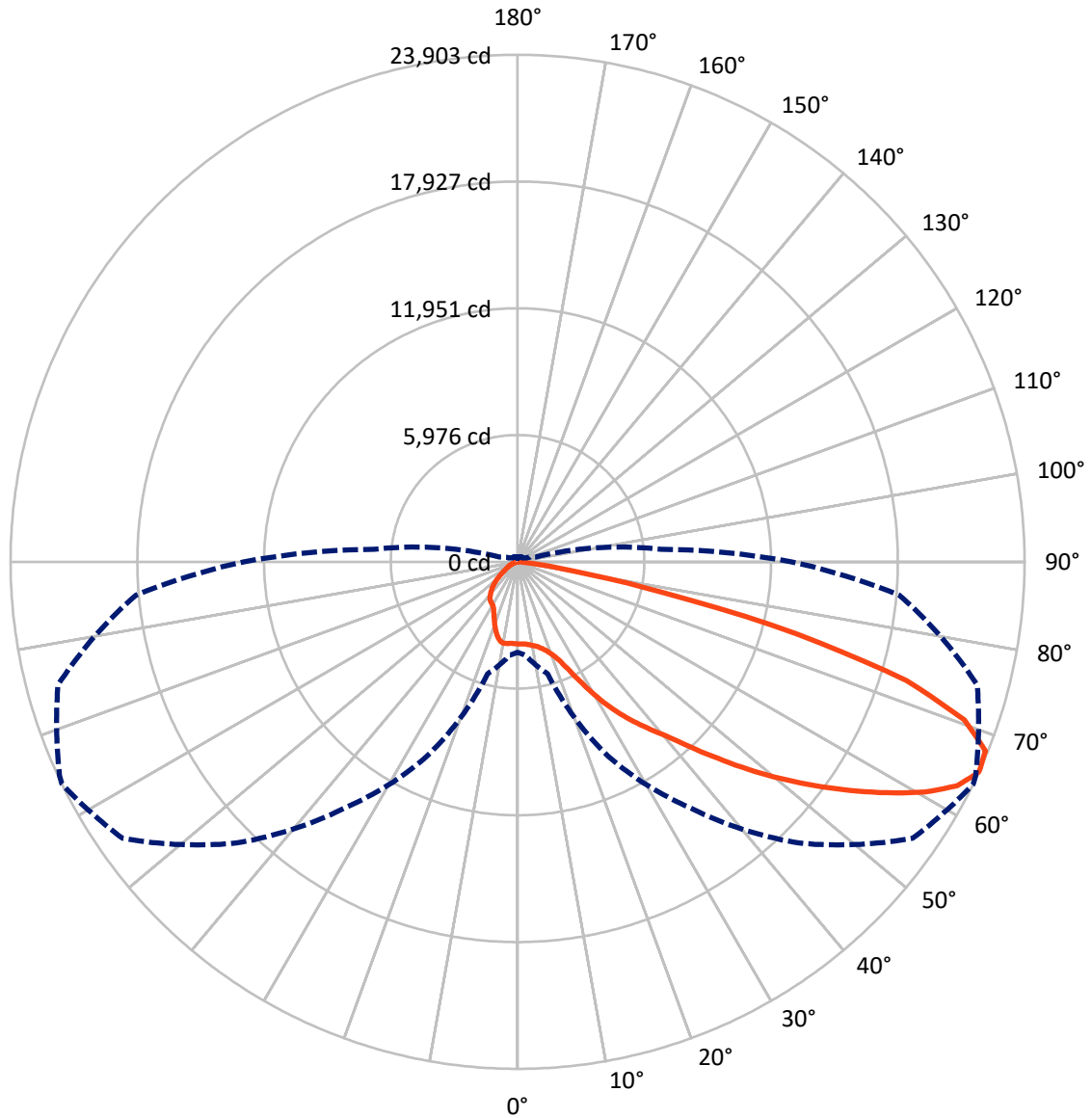
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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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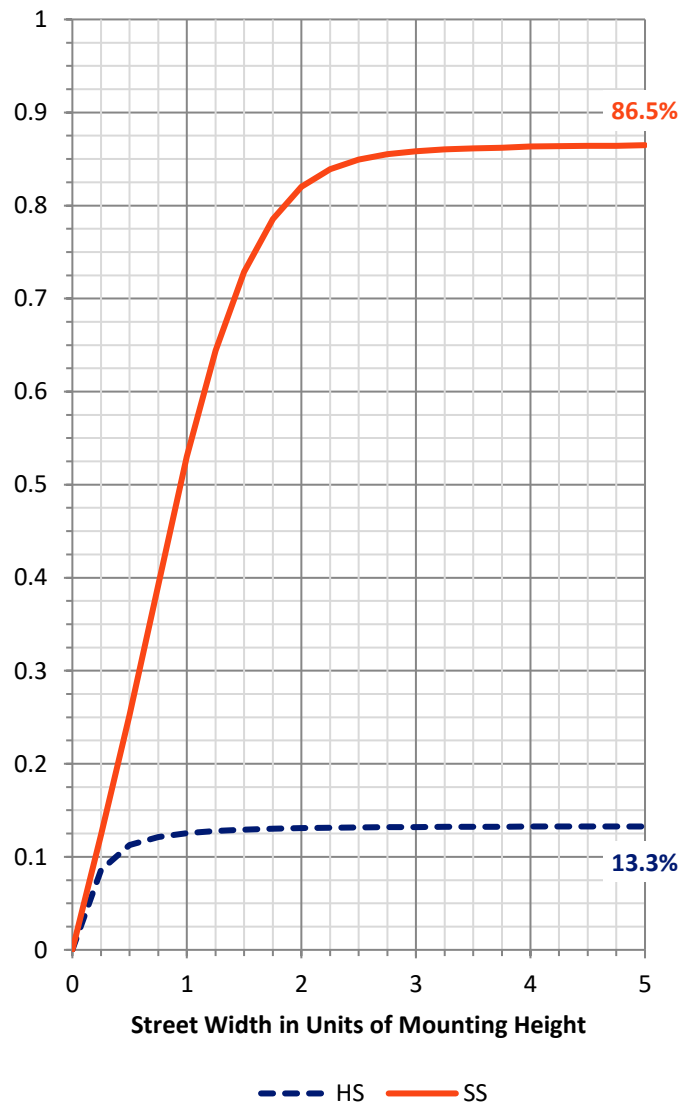
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4453.8	0.0	4453.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	28850.2	0.0	28850.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	33304.0	0.0	33304.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.4	1.1
10°-20°	969.3	2.9
20°-30°	1836.8	5.5
30°-40°	3716.7	11.2
40°-50°	6331.5	19.0
50°-60°	8610.4	25.9
60°-70°	8085.6	24.3
70°-80°	3239.4	9.7
80°-90°	156.9	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°	33304.0	100.0
0°-180°	33304.0	100.0

Coefficient of Utilization



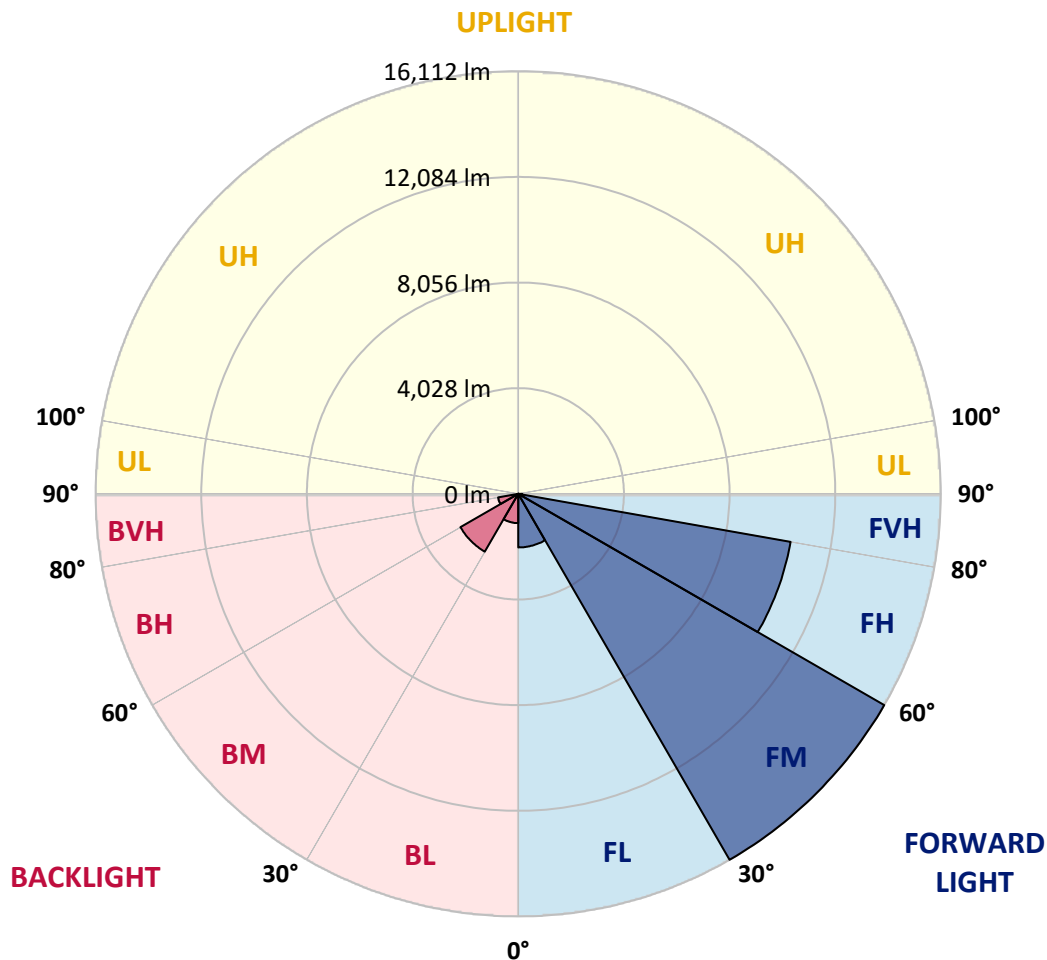
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2045.2	6.1			
FM (30°-60°)	16112.4	48.4			
FH (60°-80°)	10543.3	31.7			G4/12000
FVH (80°-90°)	149.3	0.4			G2/225
BL (0°-30°)	1118.2	3.4	B3/2500		
BM (30°-60°)	2546.2	7.6	B3/5000		
BH (60°-80°)	781.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.7	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°	3873.6	3873.6	3873.6	3873.6	3873.6	3873.6	3873.6	3873.6	3873.6	3873.6
2.5°	3860.2	3887.0	3880.3	3873.6	3871.4	3875.8	3878.1	3875.8	3875.8	3875.8
5°	3786.5	3808.9	3808.9	3824.5	3846.8	3873.6	3893.7	3898.2	3902.6	3909.3
7.5°	3645.9	3663.7	3677.1	3728.5	3784.3	3855.7	3916.0	3947.3	3951.7	3976.3
10°	3549.9	3572.2	3594.5	3648.1	3728.5	3835.6	3938.3	4014.3	4025.4	4083.5
12.5°	3545.4	3567.7	3596.8	3654.8	3748.6	3862.4	3987.5	4096.9	4117.0	4201.8
15°	3592.3	3619.1	3645.9	3717.3	3817.8	3956.2	4090.2	4226.4	4246.4	4367.0
17.5°	3688.3	3724.0	3744.1	3815.6	3922.7	4076.8	4253.1	4409.4	4427.3	4567.9
20°	3878.1	3920.5	3927.2	3985.2	4090.2	4255.4	4465.2	4659.5	4681.8	4842.6
22.5°	4271.0	4331.3	4277.7	4306.7	4400.5	4565.7	4793.4	5039.0	5070.3	5253.4
25°	4963.1	5048.0	4909.5	4860.4	4900.6	5072.5	5358.3	5668.6	5704.4	5851.7
27.5°	6322.8	6213.4	6003.5	5798.1	5677.6	5775.8	6097.3	6481.3	6526.0	6668.8
30°	7816.4	7720.4	7436.9	6981.4	6695.6	6680.0	6976.9	7405.6	7457.0	7593.2
32.5°	9312.3	9220.7	8912.6	8352.2	7856.6	7611.0	7816.4	8292.0	8318.8	8405.8
35°	10783.6	10689.8	10381.7	9807.9	9198.4	8640.3	8600.1	9135.9	9144.8	9236.4
37.5°	12263.8	12185.7	11857.5	11294.8	10694.3	9924.0	9551.2	9935.2	9946.3	10035.6
40°	13319.8	13353.3	13127.8	12692.5	12176.7	11335.0	10618.4	10785.8	10718.8	10868.4
42.5°	14226.3	14293.3	14096.8	13878.0	13578.8	12837.6	11940.1	11911.0	11803.9	11884.3
45°	15009.9	15065.7	14889.4	14838.0	14831.3	14311.1	13384.6	13210.4	13060.8	13045.2
47.5°	15297.9	15405.1	15481.0	15652.9	15987.8	15769.0	14878.2	14608.1	14440.6	14317.8
50°	15407.3	15521.2	15780.2	16280.3	17072.9	17166.6	16365.1	16061.5	15856.1	15632.8
52.5°	15260.0	15463.1	15811.4	16653.1	17802.9	18287.4	17791.8	17526.1	17291.7	16927.7
55°	14391.5	14594.7	15306.9	16648.7	18166.9	19073.3	19140.3	19021.9	18758.5	18184.7
57.5°	12560.7	12862.1	13989.6	16081.6	18160.2	19749.8	20462.0	20546.8	20252.1	19430.5
60°	10024.5	10433.0	11808.3	14824.6	17599.8	20115.9	21620.7	22044.9	21732.4	20658.5
62.5°	6994.8	7468.1	8769.7	12855.4	16318.2	19852.5	22466.9	23250.5	23013.9	21756.9
65°	4266.5	4418.4	5467.7	10116.0	14139.2	18749.6	22728.1	23902.5	23824.3	22428.9
67.5°	2842.1	2969.4	3270.8	6936.8	10975.6	16546.0	22103.0	23788.6	23810.9	22319.5
70°	1712.4	1821.8	2018.3	4034.3	7113.1	13096.6	20167.3	22337.4	22466.9	20857.2
72.5°	705.5	779.2	957.8	1828.5	3683.8	8312.1	16059.3	19178.2	19479.6	17537.3
75°	399.6	437.6	562.6	917.6	1598.6	3873.6	9727.5	13614.5	14058.8	12087.4
77.5°	265.7	283.5	363.9	593.9	899.7	1321.7	4157.1	7093.0	7941.4	6601.9
80°	178.6	194.2	250.1	397.4	584.9	567.1	1323.9	2627.8	3232.8	2268.3
82.5°	120.6	122.8	178.6	261.2	370.6	274.6	390.7	817.1	1027.0	656.4
85°	69.2	67.0	131.7	151.8	165.2	113.9	118.3	245.6	321.5	276.8
87.5°	8.9	13.4	51.4	40.2	22.3	24.6	24.6	42.4	62.5	67.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3873.6	0°	3873.6	3873.6	3873.6	3873.6	3873.6	3873.6	3873.6	3873.6	3873.6	3873.6
3878.1	2.5°	3878.1	3875.8	3869.1	3862.4	3846.8	3837.9	3842.3	3837.9	3835.6	3837.9
3907.1	5°	3907.1	3900.4	3882.5	3860.2	3828.9	3791.0	3766.4	3730.7	3697.2	3677.1
3985.2	7.5°	3985.2	3978.5	3954.0	3891.5	3791.0	3632.5	3487.4	3360.1	3264.1	3208.3
4110.3	10°	4110.3	4099.1	4061.1	3922.7	3659.3	3313.2	3025.2	2786.3	2630.0	2556.4
4257.6	12.5°	4257.6	4244.2	4177.2	3893.7	3409.2	2868.9	2471.5	2205.8	2060.7	1996.0
4427.3	15°	4431.8	4413.9	4282.2	3755.3	3045.3	2377.7	2013.8	1815.1	1721.4	1663.3
4643.9	17.5°	4648.3	4617.1	4360.3	3547.6	2650.1	2002.7	1732.5	1582.9	1500.3	1444.5
4927.4	20°	4929.6	4878.3	4422.8	3299.8	2286.2	1766.0	1542.7	1417.7	1355.2	1306.1
5329.3	22.5°	5322.6	5248.9	4498.7	3031.9	2029.5	1603.0	1402.1	1310.5	1259.2	1203.4
5889.7	25°	5809.3	5722.2	4592.5	2784.1	1853.1	1462.4	1299.4	1223.5	1163.2	1098.5
6624.2	27.5°	6490.2	6334.0	4704.1	2580.9	1701.3	1341.8	1205.6	1120.8	1051.6	998.0
7457.0	30°	7249.3	6992.6	4802.4	2458.1	1562.8	1230.2	1082.8	998.0	933.2	895.3
8204.9	32.5°	7968.2	7619.9	4867.1	2404.5	1437.8	1102.9	948.9	857.3	808.2	797.0
8937.2	35°	8646.9	8187.0	4860.4	2353.2	1326.2	975.7	817.1	723.4	685.4	692.1
9725.3	37.5°	9428.4	8792.1	4813.5	2272.8	1234.6	859.6	703.3	620.7	587.2	589.4
10683.1	40°	10337.0	9490.9	4784.5	2121.0	1134.2	752.4	609.5	542.5	518.0	509.0
11692.2	42.5°	11306.0	10167.4	4789.0	1949.1	1009.1	656.4	544.8	488.9	466.6	459.9
12815.3	45°	12279.4	10812.6	4795.7	1770.5	877.4	582.7	497.9	451.0	437.6	428.7
13953.9	47.5°	13194.8	11361.8	4670.6	1578.5	747.9	526.9	459.9	428.7	417.5	406.3
15097.0	50°	14047.7	11728.0	4369.2	1355.2	645.2	482.2	430.9	408.6	397.4	386.2
16132.9	52.5°	14710.8	11786.0	3871.4	1125.2	573.8	448.8	413.0	392.9	379.5	368.4
16970.2	55°	15005.5	11422.1	3163.6	910.9	518.0	419.7	395.2	375.1	359.5	348.3
17628.8	57.5°	14929.6	10656.3	2467.0	732.3	464.4	390.7	372.8	359.5	341.6	323.7
18162.4	60°	14556.7	9631.5	1859.8	609.5	415.3	359.5	348.3	337.1	312.6	285.8
18367.8	62.5°	13911.5	8343.3	1326.2	504.6	361.7	323.7	319.3	310.3	274.6	225.5
18064.2	65°	12924.7	6778.2	893.0	419.7	310.3	283.5	285.8	270.1	223.3	167.4
16952.3	67.5°	11482.4	4956.4	571.6	343.8	259.0	236.7	238.9	230.0	189.8	142.9
14844.7	70°	9644.9	3282.0	372.8	261.2	207.6	183.1	196.5	198.7	160.7	116.1
11393.1	72.5°	7070.7	1937.9	261.2	194.2	151.8	127.3	160.7	165.2	129.5	87.1
6854.2	75°	4029.9	919.8	196.5	140.7	93.8	89.3	125.0	125.0	89.3	58.0
2967.2	77.5°	1692.3	384.0	138.4	91.5	53.6	51.4	84.8	78.1	44.7	26.8
723.4	80°	488.9	171.9	73.7	44.7	22.3	20.1	33.5	24.6	11.2	4.5
274.6	82.5°	192.0	75.9	29.0	17.9	8.9	8.9	4.5	0.0	0.0	0.0
156.3	85°	113.9	31.3	13.4	6.7	2.2	0.0	0.0	0.0	0.0	0.0
33.5	87.5°	29.0	6.7	4.5	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°
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3873.6
3846.8
3681.6
3210.5
2549.7
1989.3
1665.5
1440.0
1297.2
1194.5
1091.8
986.8
888.6
803.7
692.1
598.3
506.8
457.7
428.7
406.3
386.2
366.2
346.1
321.5
281.3
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