

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: P851578

Luminaire Tested: **GLAN-SB9C-840-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-840-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60704 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

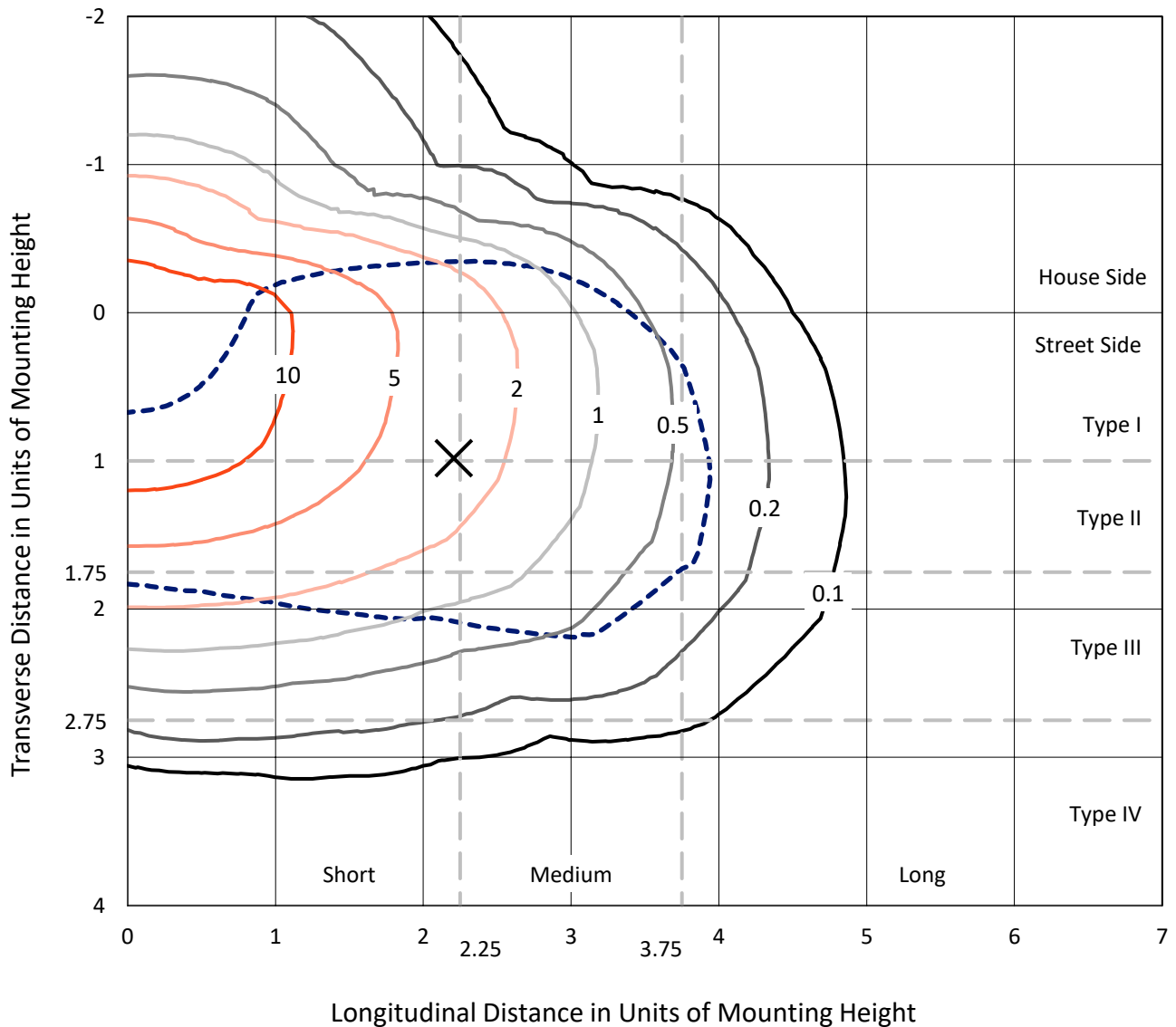
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

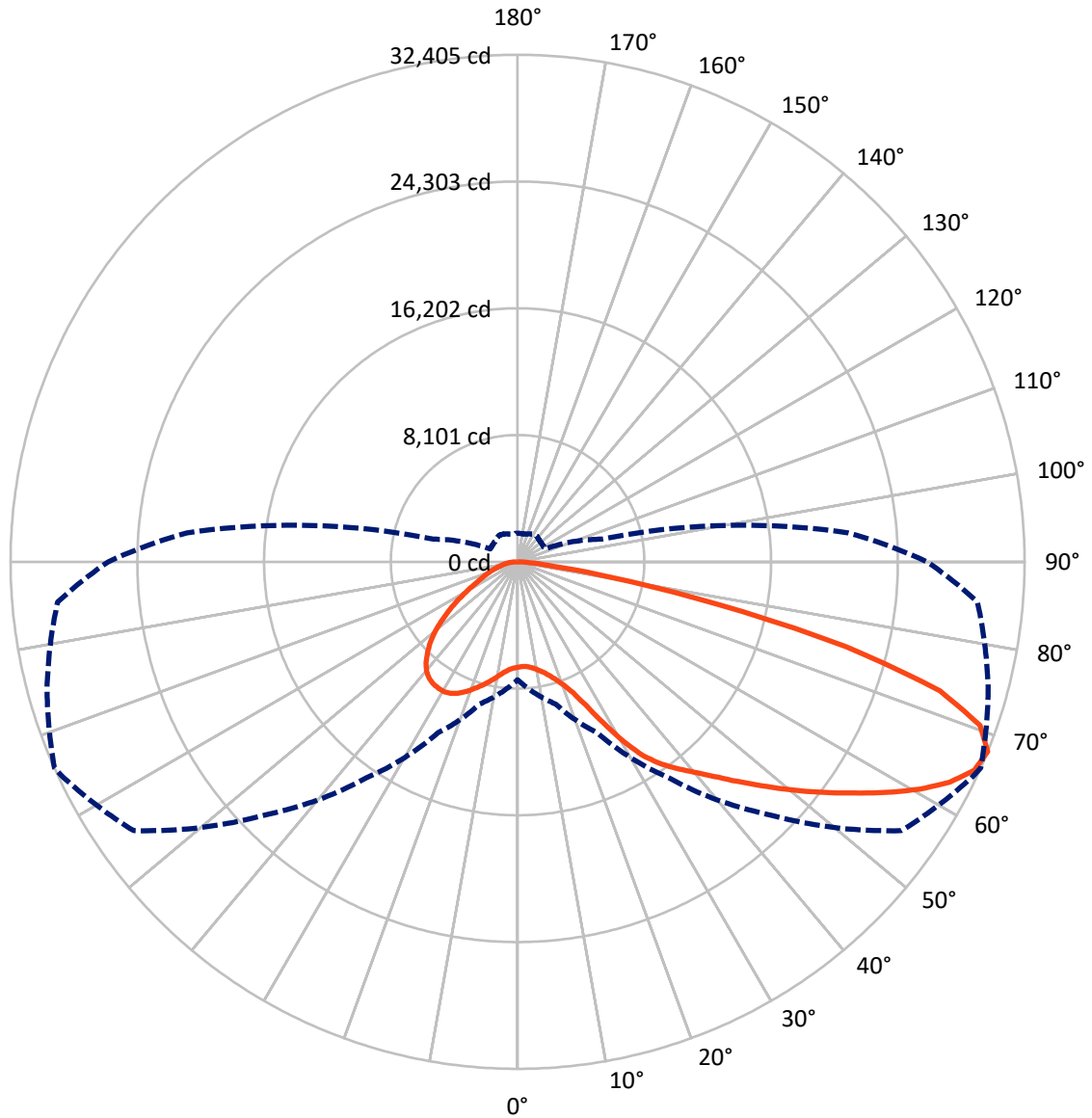
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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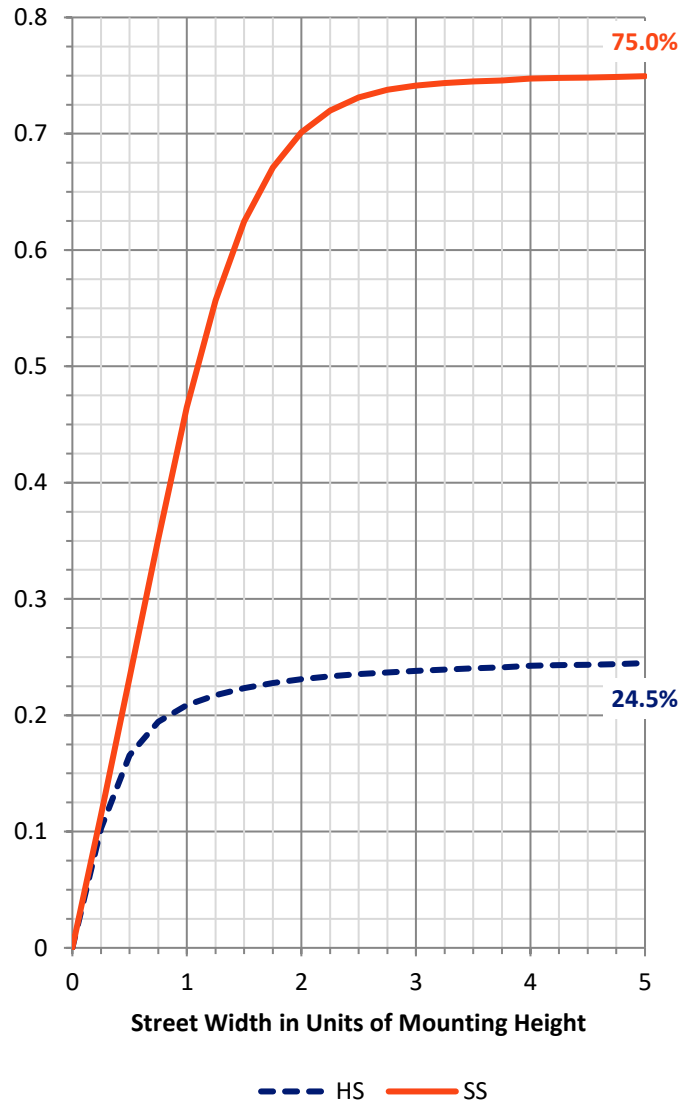
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15093.9	0.0	15093.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	45610.1	0.0	45610.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	60704.0	0.0	60704.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	667.5	1.1
10°-20°	2205.5	3.6
20°-30°	4250.9	7.0
30°-40°	7453.4	12.3
40°-50°	11080.7	18.3
50°-60°	14045.9	23.1
60°-70°	13743.6	22.6
70°-80°	6555.8	10.8
80°-90°	700.6	1.2
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°	60704.0	100.0
0°-180°	60704.0	100.0

Coefficient of Utilization

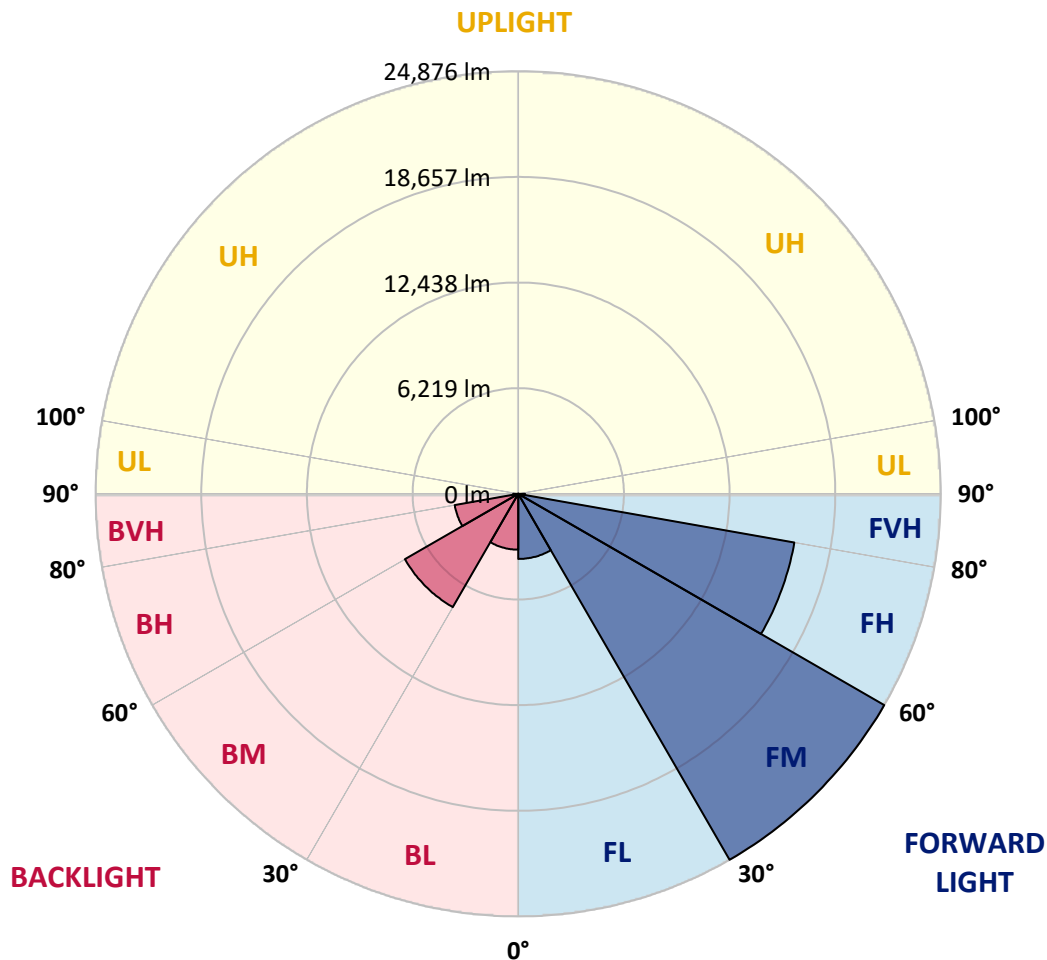


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3835.9	6.3			
FM (30°-60°)	24876.0	41.0			
FH (60°-80°)	16501.0	27.2			G5
FVH (80°-90°)	397.2	0.7			G3/500
BL (0°-30°)	3288.0	5.4	B4/5000		
BM (30°-60°)	7704.1	12.7	B4/8500		
BH (60°-80°)	3798.4	6.3	B4/5000		G4/5000
BVH (80°-90°)	303.4	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6732.9	6732.9	6732.9	6732.9	6732.9	6732.9	6732.9	6732.9	6732.9	6732.9
2.5°	6662.7	6701.0	6691.4	6675.5	6672.3	6678.7	6688.2	6697.8	6694.6	6710.5
5°	6643.6	6681.8	6678.7	6678.7	6691.4	6716.9	6732.9	6748.8	6732.9	6752.0
7.5°	6656.3	6685.0	6697.8	6710.5	6742.4	6790.3	6828.6	6863.6	6844.5	6866.8
10°	6819.0	6841.3	6854.1	6854.1	6876.4	6930.6	6968.9	7032.7	7016.7	7051.8
12.5°	7115.6	7137.9	7137.9	7125.2	7141.1	7176.2	7189.0	7259.1	7230.4	7287.8
15°	7479.2	7523.9	7488.8	7466.4	7472.8	7507.9	7504.7	7558.9	7530.2	7578.1
17.5°	7881.1	7938.5	7881.1	7877.9	7865.1	7903.4	7906.6	7954.4	7903.4	7938.5
20°	8356.3	8436.0	8388.2	8404.1	8375.4	8391.4	8407.3	8477.5	8397.8	8423.3
22.5°	9026.1	9121.8	9070.7	9131.3	9112.2	9099.4	9096.2	9220.6	9096.2	9105.8
25°	10002.0	10116.9	10027.6	10110.5	10110.5	10151.9	10199.8	10359.3	10151.9	10091.3
27.5°	11443.7	11558.5	11383.1	11434.1	11418.1	11520.2	11469.2	11864.7	11641.4	11542.5
30°	13178.7	13382.8	13051.1	13038.4	13022.4	13185.1	13258.4	13520.0	13293.5	13194.7
32.5°	15054.1	15267.8	14872.3	14757.5	14696.9	14795.7	14735.1	14945.6	14789.4	14636.3
35°	17037.9	17248.4	16872.1	16648.8	16406.4	16199.1	15982.2	16036.4	15889.7	15656.9
37.5°	18913.3	19299.2	18900.5	18661.3	18214.8	17809.7	17203.8	16951.8	16814.6	16601.0
40°	20823.8	21043.8	20740.8	20536.7	20051.9	19417.2	18447.6	17915.0	17730.0	17522.7
42.5°	22230.3	22440.8	22278.1	22137.8	21758.3	21021.5	19768.1	19101.5	18833.6	18600.7
45°	23346.6	23502.9	23400.8	23451.8	23289.2	22574.7	21136.3	20374.0	20096.6	19812.7
47.5°	23796.3	23962.1	24124.8	24427.8	24705.3	24179.0	22606.6	21751.9	21458.5	21168.2
50°	23745.3	23914.3	24386.3	25030.6	25891.8	25716.3	24156.7	23219.0	22947.9	22616.2
52.5°	23337.0	23528.4	24134.4	25206.0	26577.5	26867.7	25735.5	24734.0	24478.8	24083.3
55°	22265.4	22380.2	23289.2	24807.3	26740.1	27671.4	27282.3	26347.8	26092.7	25540.9
57.5°	20278.4	20444.2	21767.8	23732.5	26331.9	28216.8	28641.0	28044.6	27799.0	27004.9
60°	17685.4	17950.1	19465.1	21927.3	25292.1	28213.7	29875.3	29712.7	29508.6	28446.5
62.5°	14751.1	15057.3	16514.8	19375.8	23474.2	27413.1	30647.2	31109.6	31004.4	29776.5
65°	11328.8	11539.3	12990.5	16074.7	20645.1	25694.0	30736.5	32063.3	32082.4	30787.5
67.5°	7543.0	8149.0	9408.8	12062.4	16856.1	22884.1	29951.9	32219.6	32404.6	31135.2
70°	3680.6	4478.0	5712.3	7839.6	12062.4	18575.2	27901.1	30937.4	31348.9	30120.9
72.5°	1527.7	1786.1	2459.0	3868.8	6924.2	12534.4	23780.4	27460.9	28223.2	26689.1
75°	1030.2	1116.3	1406.5	1983.8	3154.3	6181.1	17149.5	20476.1	21704.0	20157.2
77.5°	794.2	848.4	1023.8	1387.4	1875.4	2337.8	9179.2	12339.9	12974.6	12011.4
80°	625.1	666.6	765.5	1011.0	1330.0	1250.3	3128.8	5591.1	5957.8	4997.8
82.5°	542.2	558.1	548.6	685.7	883.5	730.4	1027.0	2063.6	2277.2	1652.1
85°	392.3	437.0	456.1	424.2	468.8	370.0	421.0	730.4	803.7	717.6
87.5°	159.5	236.0	290.2	274.3	172.2	105.3	130.8	213.7	245.6	267.9
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°
6732.9	0°	6732.9	6732.9	6732.9	6732.9	6732.9	6732.9	6732.9	6732.9	6732.9	6732.9
6736.1	2.5°	6739.3	6761.6	6777.5	6796.7	6809.4	6828.6	6866.8	6889.2	6892.3	6908.3
6787.1	5°	6799.9	6831.7	6866.8	6917.9	6975.3	7023.1	7096.5	7147.5	7166.6	7182.6
6911.5	7.5°	6930.6	6975.3	7039.1	7128.4	7211.3	7275.1	7364.4	7425.0	7485.6	7507.9
7109.2	10°	7125.2	7189.0	7281.5	7402.7	7492.0	7574.9	7667.4	7718.4	7779.0	7804.5
7345.2	12.5°	7367.6	7434.5	7555.7	7724.8	7807.7	7865.1	7897.0	7884.3	7897.0	7919.3
7629.1	15°	7645.1	7718.4	7855.6	8037.4	8094.8	8043.7	7973.6	7909.8	7900.2	7906.6
7973.6	17.5°	7973.6	8027.8	8187.3	8340.3	8298.9	8088.4	7935.3	7833.2	7782.2	7766.2
8413.7	20°	8432.8	8432.8	8563.6	8659.3	8381.8	8024.6	7785.4	7619.5	7514.3	7469.6
9013.3	22.5°	8991.0	8940.0	9022.9	8955.9	8365.9	7846.0	7514.3	7227.2	7067.8	7004.0
9852.1	25°	9699.0	9638.4	9616.1	9201.5	8251.0	7562.1	7023.1	6675.5	6535.1	6500.0
11060.9	27.5°	10767.5	10614.4	10324.2	9335.4	8040.5	7115.6	6449.0	6126.9	6047.1	6050.3
12614.2	30°	12190.0	11883.8	11172.6	9357.8	7696.1	6484.1	5862.2	5632.5	5594.3	5610.2
13918.6	32.5°	13507.2	13217.0	12040.1	9255.7	7166.6	5865.4	5335.9	5182.8	5125.4	5144.5
14913.8	35°	14540.6	14460.9	12843.8	9112.2	6516.0	5284.9	4863.9	4733.1	4621.5	4596.0
15851.4	37.5°	15516.6	15484.7	13446.6	8911.3	5871.7	4873.4	4484.3	4312.1	4149.4	4060.1
16888.0	40°	16588.2	16556.3	13842.1	8601.9	5300.8	4516.2	4143.1	3916.6	3715.7	3553.0
18061.7	42.5°	17793.8	17605.6	14030.3	8158.5	4816.0	4213.2	3865.6	3559.4	3294.7	3144.8
19388.5	45°	19111.0	18686.8	14027.1	7594.0	4407.8	3935.8	3569.0	3135.2	2889.6	2749.3
20750.4	47.5°	20508.0	19720.2	13854.9	6968.9	4012.3	3629.6	3109.7	2778.0	2615.3	2529.2
22230.3	50°	21949.6	20686.6	13561.4	6251.3	3607.2	3281.9	2822.6	2596.2	2471.8	2392.1
23697.4	52.5°	23305.1	21563.7	13207.4	5438.0	3195.8	2943.8	2695.1	2519.6	2388.9	2299.6
25119.9	55°	24565.0	22319.6	12706.7	4605.5	2860.9	2717.4	2634.5	2487.8	2337.8	2232.6
26564.7	57.5°	25684.4	22810.8	11842.3	3824.1	2621.7	2561.1	2570.7	2433.5	2261.3	2172.0
27987.2	60°	26615.8	23171.2	10563.4	3100.1	2427.2	2408.0	2471.8	2331.5	2130.5	2028.5
29189.6	62.5°	27173.9	23164.8	8994.2	2538.8	2261.3	2267.7	2341.0	2203.9	1999.8	1904.1
29817.9	65°	27126.1	22597.1	7271.9	2172.0	2101.8	2108.2	2203.9	2063.6	1891.3	1833.9
29502.2	67.5°	26166.0	21212.9	5578.3	1932.8	1926.4	1955.1	2066.7	1967.9	1824.4	1818.0
27620.4	70°	23566.7	18339.2	4018.7	1741.4	1744.6	1786.1	1932.8	1907.3	1789.3	1802.0
23222.2	72.5°	18897.3	13982.4	2698.3	1540.5	1543.7	1610.7	1805.2	1859.4	1754.2	1923.2
16476.6	75°	12585.5	8719.9	1735.0	1326.8	1330.0	1416.1	1693.6	1766.9	1658.5	1916.8
8573.2	77.5°	6047.1	3919.8	1256.6	1116.3	1116.3	1196.0	1463.9	1582.0	1412.9	1489.5
2755.7	80°	2089.1	1473.5	988.7	899.4	880.3	934.5	1234.3	1371.5	1218.4	1122.7
899.4	82.5°	822.9	765.5	794.2	698.5	634.7	669.8	960.0	1132.2	896.2	810.1
507.1	85°	472.0	497.6	561.3	462.5	366.8	411.4	704.9	813.3	676.2	596.4
165.9	87.5°	127.6	175.4	258.3	239.2	165.9	175.4	334.9	449.7	389.1	299.8
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°
6732.9
6905.1
7179.4
7511.1
7817.3
7925.7
7928.9
7788.6
7460.1
6994.4
6506.4
6059.9
5664.4
5170.1
4615.1
4063.3
3569.0
3154.3
2742.9
2510.1
2363.4
2261.3
2191.1
2114.6
1983.8
1875.4
1830.7
1827.5
1798.8
1948.7
1932.8
1365.1
1052.5
806.9
609.2
309.4
0.0

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