

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: P850228

Luminaire Tested: **GLAN-SB7C-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850228
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-SB7C-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45762 lumens
Efficiency: N/A
Efficacy: 130.6 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

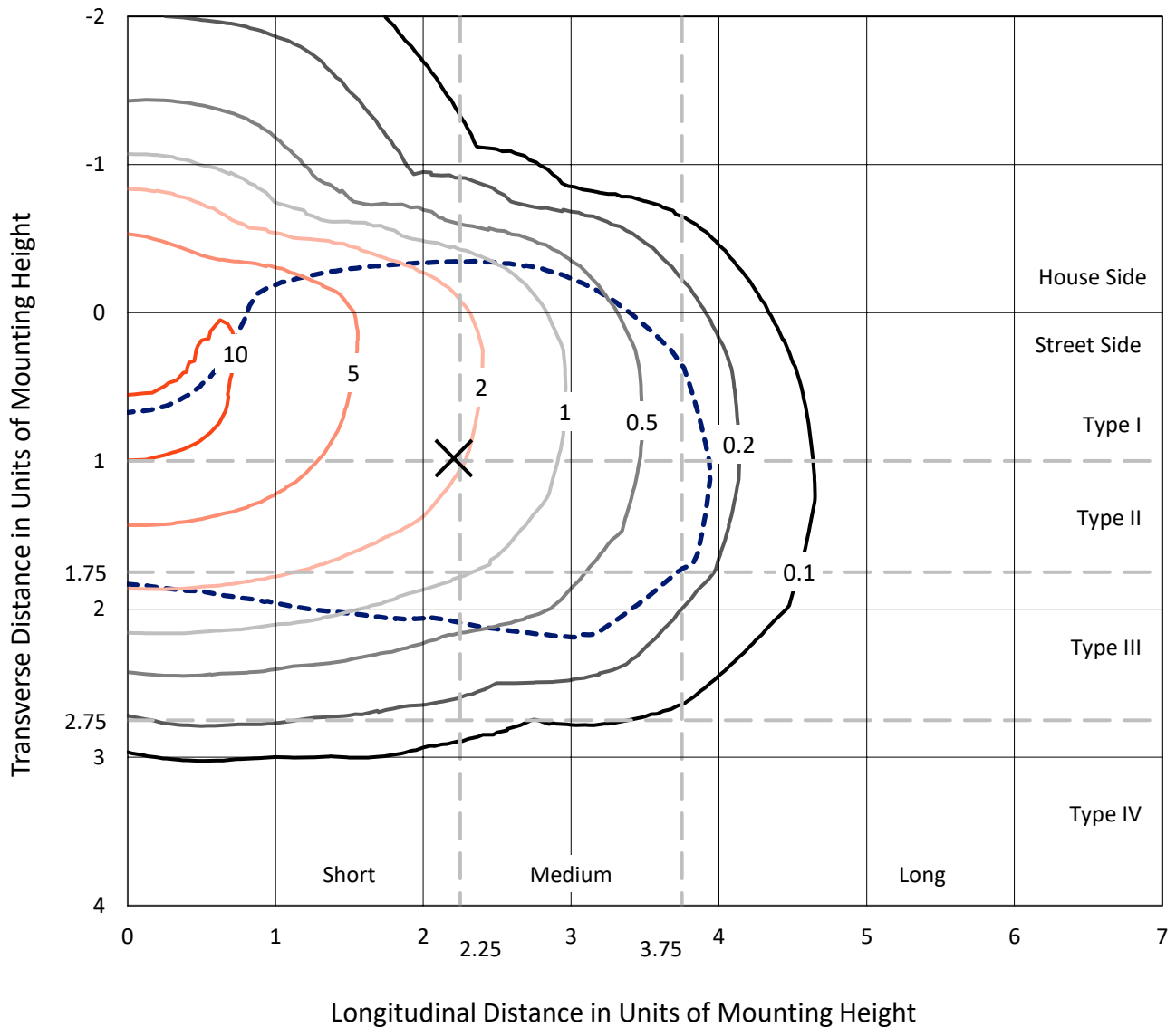
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

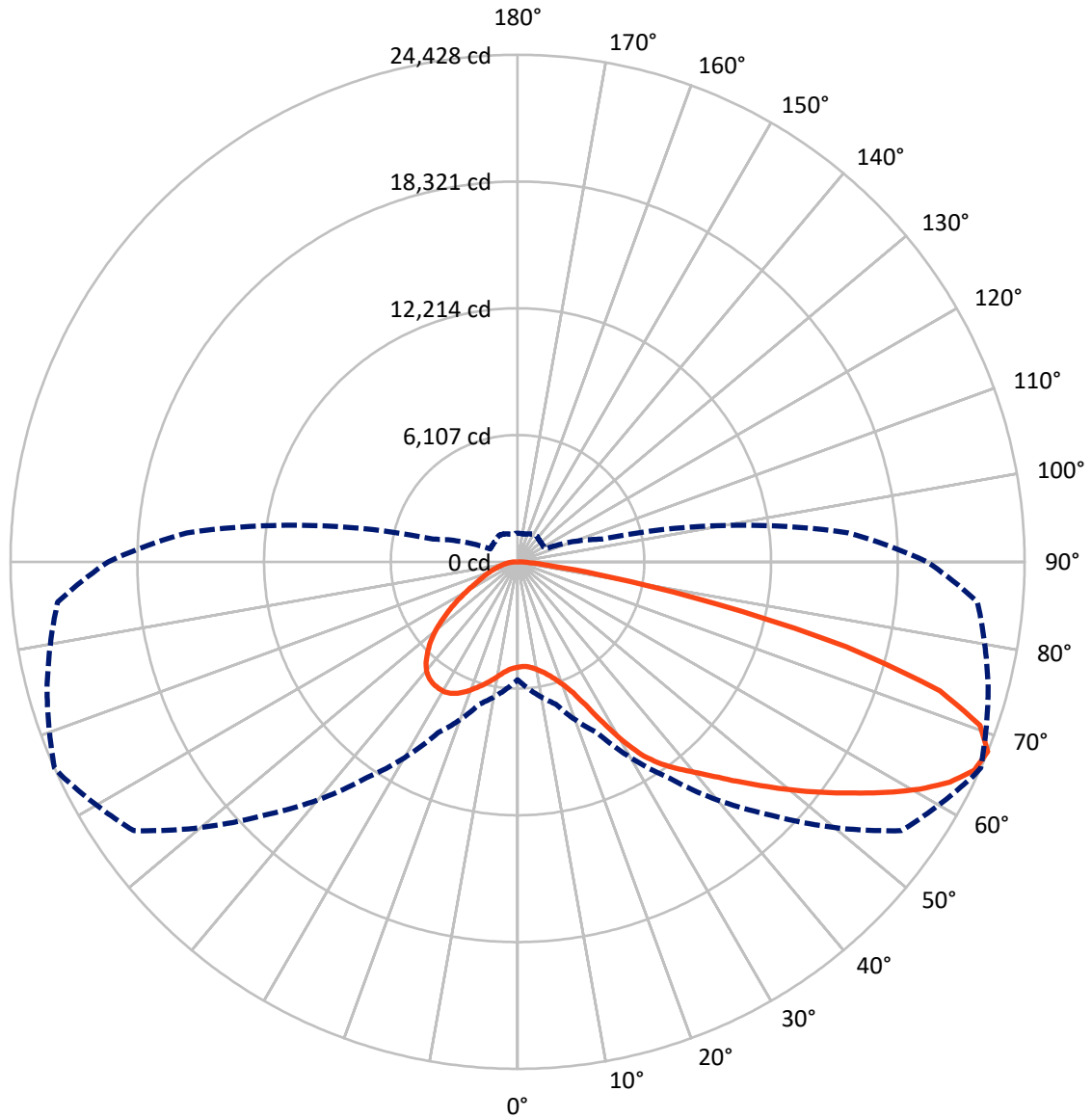
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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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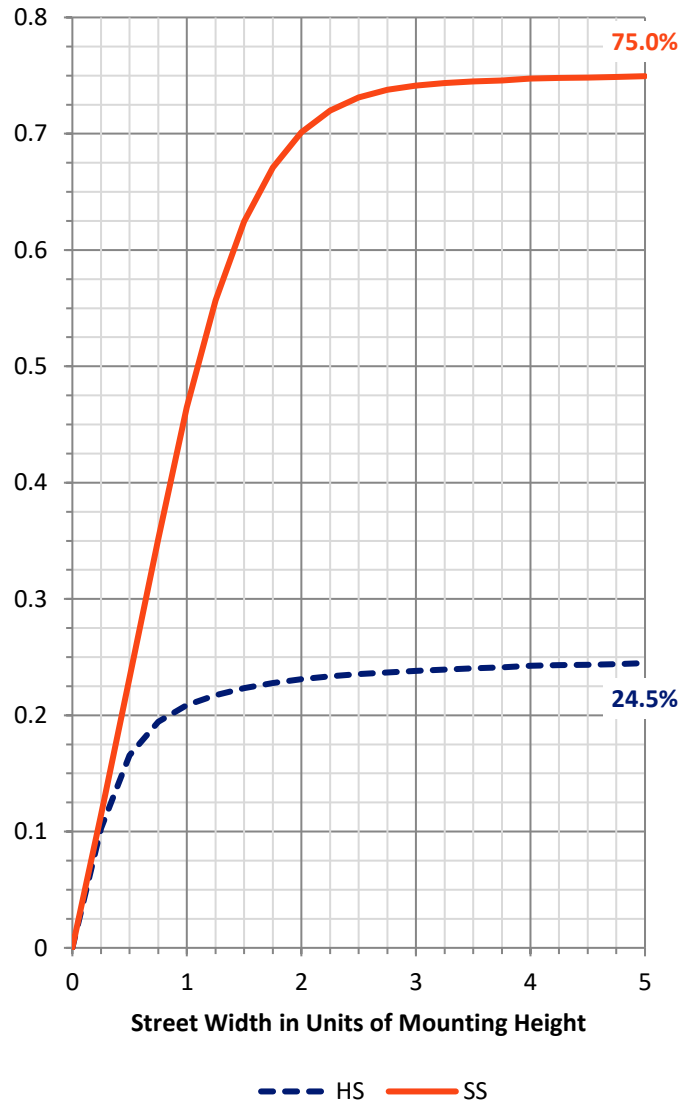
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11378.6	0.0	11378.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	34383.4	0.0	34383.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	45762.0	0.0	45762.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.2	1.1
10°-20°	1662.6	3.6
20°-30°	3204.6	7.0
30°-40°	5618.8	12.3
40°-50°	8353.3	18.3
50°-60°	10588.6	23.1
60°-70°	10360.7	22.6
70°-80°	4942.1	10.8
80°-90°	528.2	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°	45762.0	100.0
0°-180°	45762.0	100.0

Coefficient of Utilization

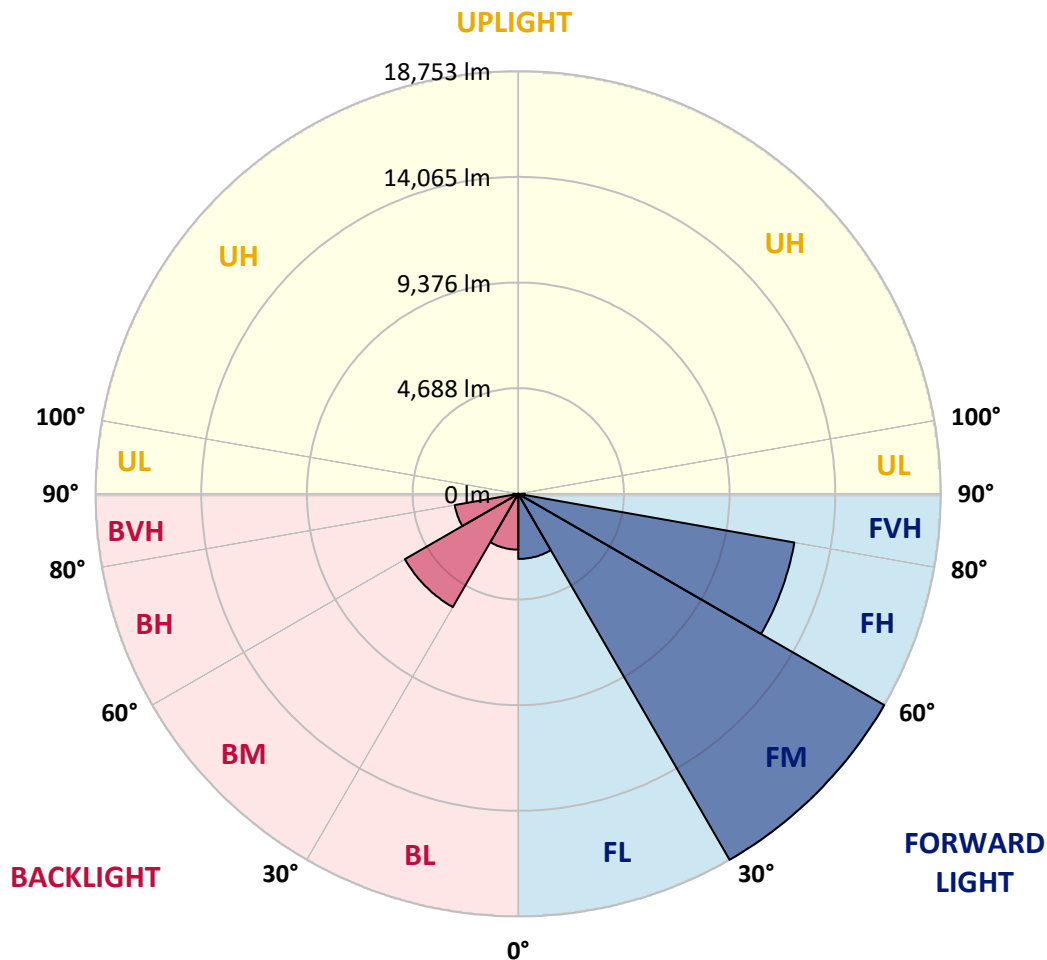


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2891.7	6.3			
FM (30°-60°)	18752.9	41.0			
FH (60°-80°)	12439.4	27.2			G5
FVH (80°-90°)	299.5	0.7			G3/500
BL (0°-30°)	2478.7	5.4	B3/2500		
BM (30°-60°)	5807.8	12.7	B4/8500		
BH (60°-80°)	2863.4	6.3	B4/5000		G4/5000
BVH (80°-90°)	228.7	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°	5075.6	5075.6	5075.6	5075.6	5075.6	5075.6	5075.6	5075.6	5075.6	5075.6
2.5°	5022.7	5051.6	5044.4	5032.3	5029.9	5034.7	5041.9	5049.2	5046.8	5058.8
5°	5008.3	5037.1	5034.7	5034.7	5044.4	5063.6	5075.6	5087.6	5075.6	5090.0
7.5°	5017.9	5039.5	5049.2	5058.8	5082.8	5118.9	5147.7	5174.2	5159.8	5176.6
10°	5140.5	5157.4	5167.0	5167.0	5183.8	5224.7	5253.5	5301.6	5289.6	5316.0
12.5°	5364.1	5381.0	5381.0	5371.3	5383.4	5409.8	5419.4	5472.3	5450.7	5494.0
15°	5638.2	5671.9	5645.4	5628.6	5633.4	5659.9	5657.5	5698.3	5676.7	5712.8
17.5°	5941.2	5984.5	5941.2	5938.8	5929.2	5958.0	5960.4	5996.5	5958.0	5984.5
20°	6299.4	6359.5	6323.5	6335.5	6313.9	6325.9	6337.9	6390.8	6330.7	6349.9
22.5°	6804.3	6876.5	6838.0	6883.7	6869.3	6859.6	6857.2	6951.0	6857.2	6864.5
25°	7540.1	7626.6	7559.3	7621.8	7621.8	7653.1	7689.2	7809.4	7653.1	7607.4
27.5°	8626.9	8713.4	8581.2	8619.6	8607.6	8684.6	8646.1	8944.2	8775.9	8701.4
30°	9934.8	10088.7	9838.7	9829.0	9817.0	9939.6	9994.9	10192.1	10021.4	9946.9
32.5°	11348.6	11509.7	11211.5	11125.0	11079.3	11153.8	11108.2	11266.8	11149.0	11033.6
35°	12844.1	13002.8	12719.1	12550.8	12368.0	12211.8	12048.3	12089.1	11978.5	11803.0
37.5°	14257.9	14548.8	14248.3	14067.9	13731.3	13426.0	12969.1	12779.2	12675.8	12514.7
40°	15698.1	15864.0	15635.6	15481.7	15116.2	14637.8	13906.8	13505.3	13365.9	13209.6
42.5°	16758.4	16917.1	16794.5	16688.7	16402.6	15847.2	14902.2	14399.7	14197.8	14022.2
45°	17599.9	17717.8	17640.8	17679.3	17556.7	17018.1	15933.7	15359.1	15149.9	14935.9
47.5°	17939.0	18064.0	18186.6	18415.0	18624.2	18227.5	17042.1	16397.8	16176.6	15957.8
50°	17900.5	18027.9	18383.8	18869.4	19518.6	19386.4	18210.6	17503.8	17299.4	17049.3
52.5°	17592.7	17737.0	18193.8	19001.7	20035.6	20254.4	19400.8	18645.8	18453.5	18155.3
55°	16784.9	16871.4	17556.7	18701.1	20158.2	20860.3	20566.9	19862.4	19670.1	19254.1
57.5°	15286.9	15412.0	16409.8	17890.9	19850.4	21271.4	21591.2	21141.6	20956.4	20357.7
60°	13332.2	13531.8	14673.8	16530.0	19066.6	21269.0	22521.7	22399.0	22245.2	21444.5
62.5°	11120.2	11351.0	12449.8	14606.5	17696.1	20665.5	23103.5	23452.2	23372.8	22447.1
65°	8540.3	8699.0	9793.0	12118.0	15563.4	19369.5	23170.8	24171.1	24185.5	23209.3
67.5°	5686.3	6143.1	7092.9	9093.3	12707.1	17251.3	22579.4	24288.9	24428.3	23471.4
70°	2774.6	3375.7	4306.2	5909.9	9093.3	14003.0	21033.4	23322.3	23632.5	22706.8
72.5°	1151.7	1346.4	1853.8	2916.5	5219.9	9449.1	17926.9	20701.6	21276.2	20119.7
75°	776.6	841.5	1060.3	1495.5	2377.9	4659.7	12928.3	15436.0	16361.7	15195.6
77.5°	598.7	639.6	771.8	1045.9	1413.8	1762.4	6919.8	9302.5	9780.9	9054.8
80°	471.3	502.5	577.0	762.2	1002.6	942.5	2358.7	4214.8	4491.4	3767.6
82.5°	408.7	420.8	413.6	516.9	666.0	550.6	774.2	1555.6	1716.7	1245.5
85°	295.7	329.4	343.8	319.8	353.4	278.9	317.4	550.6	605.9	541.0
87.5°	120.2	177.9	218.8	206.8	129.8	79.3	98.6	161.1	185.1	202.0
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°
5075.6	0°	5075.6	5075.6	5075.6	5075.6	5075.6	5075.6	5075.6	5075.6	5075.6	5075.6
5078.0	2.5°	5080.4	5097.2	5109.3	5123.7	5133.3	5147.7	5176.6	5193.4	5195.8	5207.9
5116.5	5°	5126.1	5150.1	5176.6	5215.1	5258.3	5294.4	5349.7	5388.2	5402.6	5414.6
5210.3	7.5°	5224.7	5258.3	5306.4	5373.8	5436.3	5484.4	5551.7	5597.4	5643.0	5659.9
5359.3	10°	5371.3	5419.4	5489.2	5580.5	5647.8	5710.4	5780.1	5818.6	5864.2	5883.5
5537.2	12.5°	5554.1	5604.6	5695.9	5823.4	5885.9	5929.2	5953.2	5943.6	5953.2	5970.0
5751.2	15°	5763.3	5818.6	5921.9	6059.0	6102.3	6063.8	6010.9	5962.8	5955.6	5960.4
6010.9	17.5°	6010.9	6051.8	6172.0	6287.4	6256.2	6097.5	5982.1	5905.1	5866.6	5854.6
6342.7	20°	6357.1	6357.1	6455.7	6527.8	6318.7	6049.4	5869.1	5744.0	5664.7	5631.0
6794.7	22.5°	6777.9	6739.4	6801.9	6751.5	6306.6	5914.7	5664.7	5448.3	5328.1	5280.0
7427.1	25°	7311.7	7266.0	7249.2	6936.6	6220.1	5700.7	5294.4	5032.3	4926.5	4900.1
8338.3	27.5°	8117.1	8001.7	7782.9	7037.6	6061.4	5364.1	4861.6	4618.8	4558.7	4561.1
9509.3	30°	9189.5	8958.7	8422.5	7054.4	5801.7	4888.1	4419.2	4246.1	4217.3	4229.3
10492.6	32.5°	10182.5	9963.7	9076.5	6977.5	5402.6	4421.6	4022.5	3907.1	3863.8	3878.2
11242.8	35°	10961.5	10901.4	9682.4	6869.3	4912.1	3984.0	3666.7	3568.1	3483.9	3464.7
11949.7	37.5°	11697.2	11673.2	10136.8	6717.8	4426.4	3673.9	3380.5	3250.7	3128.1	3060.8
12731.1	40°	12505.1	12481.0	10434.9	6484.6	3996.1	3404.6	3123.3	2952.6	2801.1	2678.5
13615.9	42.5°	13413.9	13272.1	10576.8	6150.4	3630.6	3176.2	2914.1	2683.3	2483.7	2370.7
14616.1	45°	14406.9	14087.2	10574.4	5724.8	3322.8	2967.0	2690.5	2363.5	2178.4	2072.6
15642.8	47.5°	15460.1	14866.2	10444.6	5253.5	3024.7	2736.2	2344.3	2094.2	1971.6	1906.7
16758.4	50°	16546.8	15594.7	10223.4	4712.6	2719.3	2474.1	2127.9	1957.2	1863.4	1803.3
17864.4	52.5°	17568.7	16255.9	9956.5	4099.4	2409.2	2219.2	2031.7	1899.4	1800.9	1733.5
18936.8	55°	18518.4	16825.7	9579.0	3471.9	2156.7	2048.5	1986.0	1875.4	1762.4	1683.1
20025.9	57.5°	19362.3	17196.0	8927.4	2882.8	1976.4	1930.7	1937.9	1834.5	1704.7	1637.4
21098.3	60°	20064.4	17467.7	7963.3	2337.0	1829.7	1815.3	1863.4	1757.6	1606.1	1529.2
22004.7	62.5°	20485.2	17462.9	6780.3	1913.9	1704.7	1709.5	1764.8	1661.4	1507.5	1435.4
22478.4	65°	20449.1	17034.9	5481.9	1637.4	1584.5	1589.3	1661.4	1555.6	1425.8	1382.5
22240.4	67.5°	19725.4	15991.4	4205.2	1457.0	1452.2	1473.9	1558.0	1483.5	1375.3	1370.5
20821.8	70°	17765.8	13825.1	3029.5	1312.8	1315.2	1346.4	1457.0	1437.8	1348.8	1358.5
17506.2	72.5°	14245.9	10540.7	2034.1	1161.3	1163.7	1214.2	1360.9	1401.7	1322.4	1449.8
12420.9	75°	9487.6	6573.5	1308.0	1000.2	1002.6	1067.5	1276.7	1332.0	1250.3	1445.0
6462.9	77.5°	4558.7	2955.0	947.3	841.5	841.5	901.6	1103.6	1192.6	1065.1	1122.8
2077.4	80°	1574.9	1110.8	745.4	678.0	663.6	704.5	930.5	1033.9	918.5	846.3
678.0	82.5°	620.3	577.0	598.7	526.6	478.5	504.9	723.7	853.5	675.6	610.7
382.3	85°	355.8	375.1	423.2	348.6	276.5	310.2	531.4	613.1	509.7	449.6
125.0	87.5°	96.2	132.2	194.8	180.3	125.0	132.2	252.5	339.0	293.3	226.0
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°
5075.6
5205.4
5412.2
5662.3
5893.1
5974.8
5977.2
5871.5
5623.8
5272.8
4904.9
4568.3
4270.1
3897.5
3479.1
3063.2
2690.5
2377.9
2067.8
1892.2
1781.6
1704.7
1651.8
1594.1
1495.5
1413.8
1380.1
1377.7
1356.1
1469.1
1457.0
1029.1
793.4
608.3
459.2
233.2
0.0

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