

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: McGRAW-EDISON

Report Number: P942507

Luminaire Tested: **GALN-SB6C-750-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-750-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48080 lumens
Efficiency: N/A
Efficacy: 159.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

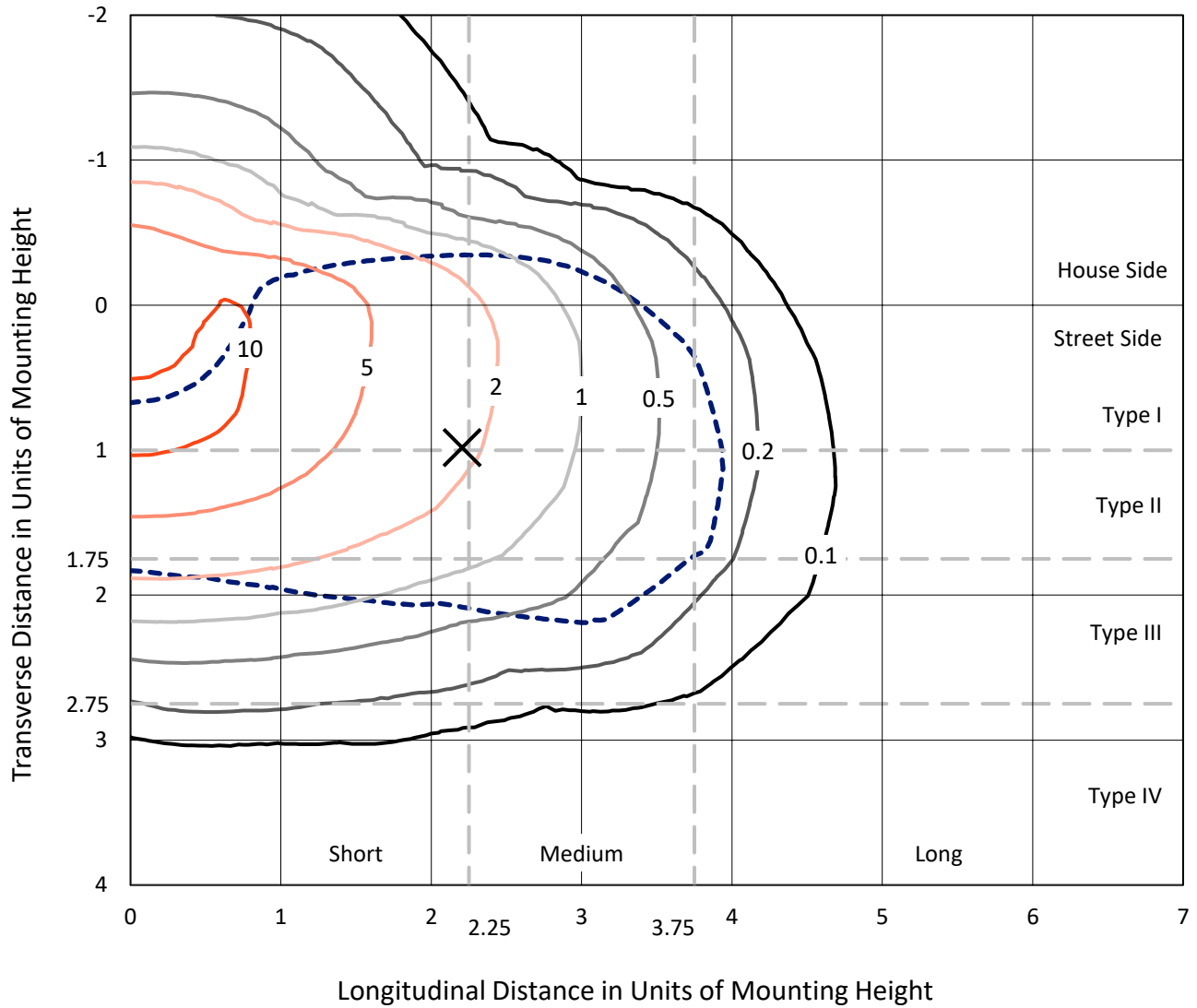
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

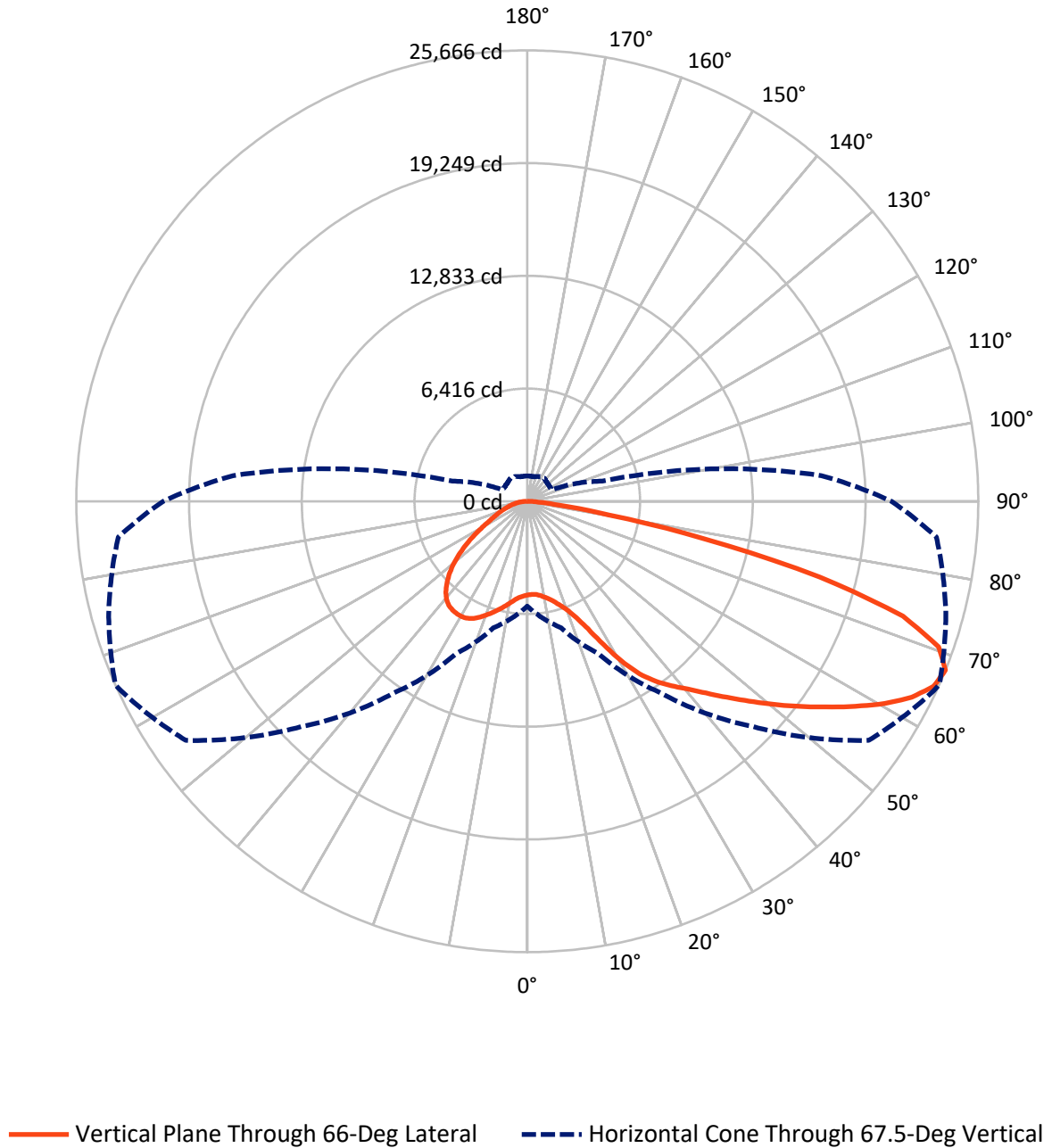
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11955.0	0.0	11955.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	36125.1	0.0	36125.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	48080.0	0.0	48080.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.7	1.1
10°-20°	1746.8	3.6
20°-30°	3366.9	7.0
30°-40°	5903.4	12.3
40°-50°	8776.4	18.3
50°-60°	11124.9	23.1
60°-70°	10885.5	22.6
70°-80°	5192.5	10.8
80°-90°	554.9	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°	48080.0	100.0
0°-180°	48080.0	100.0

Coefficient of Utilization



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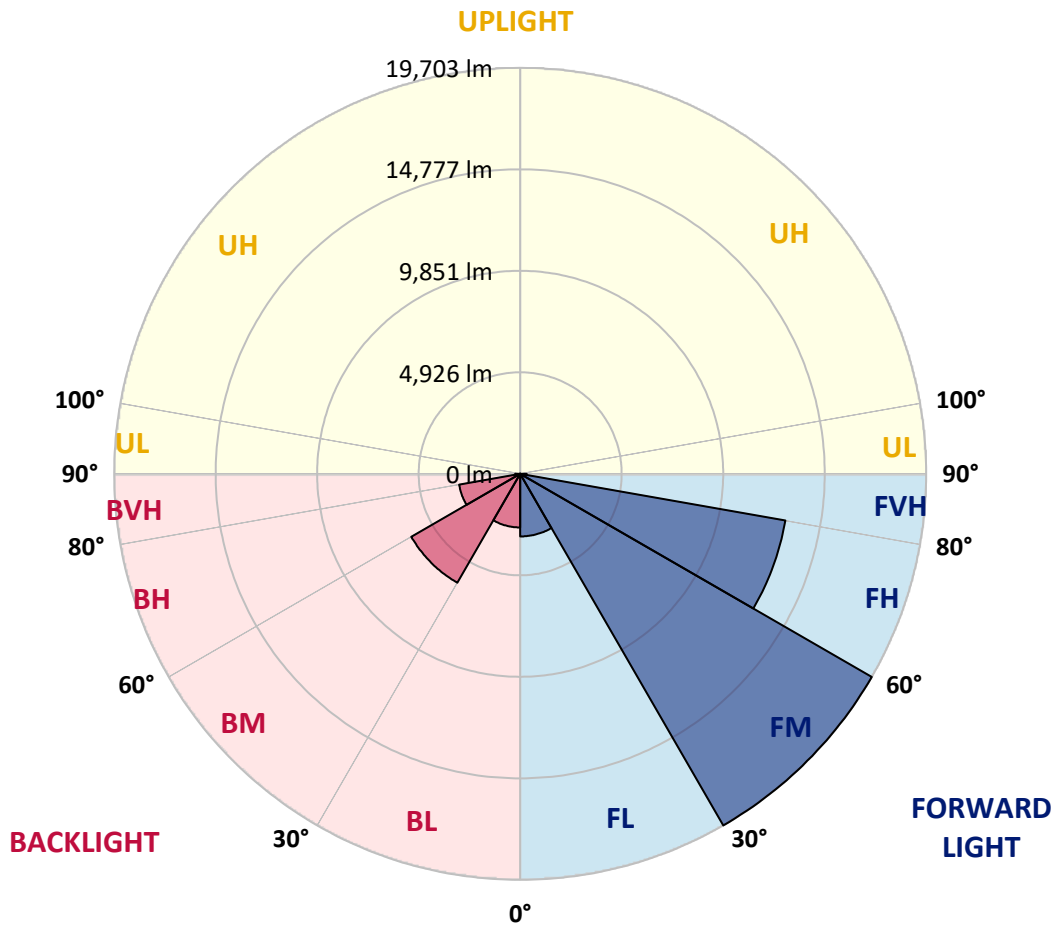
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3038.2	6.3			
FM (30°-60°)	19702.8	41.0			
FH (60°-80°)	13069.5	27.2			G5
FVH (80°-90°)	314.6	0.7			G3/500
BL (0°-30°)	2604.2	5.4	B4/5000		
BM (30°-60°)	6101.9	12.7	B4/8500		
BH (60°-80°)	3008.5	6.3	B4/5000		G4/5000
BVH (80°-90°)	240.3	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°	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7
2.5°	5277.1	5307.4	5299.9	5287.2	5284.7	5289.8	5297.3	5304.9	5302.4	5315.0
5°	5262.0	5292.3	5289.8	5289.8	5299.9	5320.1	5332.7	5345.3	5332.7	5347.9
7.5°	5272.1	5294.8	5304.9	5315.0	5340.3	5378.2	5408.5	5436.3	5421.1	5438.8
10°	5400.9	5418.6	5428.7	5428.7	5446.4	5489.3	5519.6	5570.2	5557.5	5585.3
12.5°	5635.8	5653.5	5653.5	5643.4	5656.1	5683.8	5693.9	5749.5	5726.8	5772.3
15°	5923.8	5959.2	5931.4	5913.7	5918.8	5946.6	5944.0	5987.0	5964.2	6002.1
17.5°	6242.1	6287.6	6242.1	6239.6	6229.5	6259.8	6262.3	6300.2	6259.8	6287.6
20°	6618.5	6681.7	6643.8	6656.4	6633.7	6646.3	6658.9	6714.5	6651.4	6671.6
22.5°	7149.0	7224.8	7184.4	7232.4	7217.2	7207.1	7204.6	7303.1	7204.6	7212.2
25°	7922.0	8013.0	7942.2	8007.9	8007.9	8040.7	8078.6	8204.9	8040.7	7992.7
27.5°	9063.8	9154.8	9015.8	9056.3	9043.6	9124.5	9084.0	9397.3	9220.5	9142.1
30°	10438.1	10599.7	10337.0	10326.9	10314.3	10443.1	10501.2	10708.4	10529.0	10450.7
32.5°	11923.4	12092.7	11779.4	11688.5	11640.5	11718.8	11670.8	11837.5	11713.8	11592.5
35°	13494.7	13661.4	13363.3	13186.5	12994.5	12830.3	12658.5	12701.5	12585.3	12400.9
37.5°	14980.1	15285.7	14970.0	14780.5	14426.9	14106.0	13626.1	13426.5	13317.9	13148.6
40°	16493.2	16667.6	16427.6	16265.9	15881.9	15379.2	14611.3	14189.4	14042.9	13878.7
42.5°	17607.3	17774.0	17645.2	17534.0	17233.4	16649.9	15657.1	15129.1	14916.9	14732.5
45°	18491.4	18615.2	18534.4	18574.8	18446.0	17880.1	16740.8	16137.1	15917.3	15692.5
47.5°	18847.6	18979.0	19107.8	19347.8	19567.6	19150.8	17905.4	17228.4	16996.0	16766.1
50°	18807.2	18941.1	19315.0	19825.2	20507.3	20368.4	19133.1	18390.4	18175.7	17912.9
52.5°	18483.9	18635.4	19115.4	19964.2	21050.4	21280.3	20383.5	19590.3	19388.2	19075.0
55°	17635.1	17726.0	18446.0	19648.4	21179.3	21916.9	21608.7	20868.5	20666.5	20229.4
57.5°	16061.3	16192.6	17241.0	18797.1	20855.9	22348.9	22684.8	22212.5	22017.9	21388.9
60°	14007.5	14217.2	15417.1	17367.3	20032.4	22346.3	23662.5	23533.6	23372.0	22530.8
62.5°	11683.5	11926.0	13080.4	15346.4	18592.5	21712.3	24273.8	24640.1	24556.7	23584.2
65°	8972.9	9139.6	10289.0	12731.8	16351.8	20350.7	24344.5	25395.4	25410.6	24384.9
67.5°	5974.4	6454.3	7452.1	9553.9	13350.7	18125.1	23723.1	25519.2	25665.7	24660.3
70°	2915.2	3546.7	4524.3	6209.3	9553.9	14712.3	22098.8	24503.7	24829.6	23857.0
72.5°	1210.0	1414.6	1947.7	3064.2	5484.3	9927.8	18835.0	21750.2	22353.9	21138.8
75°	815.9	884.2	1114.0	1571.3	2498.4	4895.7	13583.1	16217.9	17190.5	15965.3
77.5°	629.0	672.0	810.9	1098.9	1485.4	1851.7	7270.3	9773.7	10276.4	9513.5
80°	495.1	528.0	606.3	800.8	1053.4	990.3	2478.2	4428.3	4718.9	3958.5
82.5°	429.4	442.1	434.5	543.1	699.7	578.5	813.4	1634.4	1803.7	1308.5
85°	310.7	346.1	361.2	336.0	371.3	293.0	333.5	578.5	636.6	568.4
87.5°	126.3	186.9	229.9	217.2	136.4	83.4	103.6	169.3	194.5	212.2
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°
5332.7	0°	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7	5332.7
5335.2	2.5°	5337.8	5355.4	5368.1	5383.2	5393.3	5408.5	5438.8	5456.5	5459.0	5471.6
5375.7	5°	5385.8	5411.0	5438.8	5479.2	5524.7	5562.6	5620.7	5661.1	5676.3	5688.9
5474.2	7.5°	5489.3	5524.7	5575.2	5646.0	5711.6	5762.2	5832.9	5880.9	5928.9	5946.6
5630.8	10°	5643.4	5693.9	5767.2	5863.2	5933.9	5999.6	6072.9	6113.3	6161.3	6181.5
5817.7	12.5°	5835.4	5888.5	5984.5	6118.3	6184.0	6229.5	6254.8	6244.6	6254.8	6272.4
6042.6	15°	6055.2	6113.3	6221.9	6365.9	6411.4	6371.0	6315.4	6264.9	6257.3	6262.3
6315.4	17.5°	6315.4	6358.3	6484.6	6605.9	6573.0	6406.3	6285.1	6204.2	6163.8	6151.2
6664.0	20°	6679.1	6679.1	6782.7	6858.5	6638.7	6355.8	6166.3	6035.0	5951.6	5916.2
7138.9	22.5°	7121.2	7080.8	7146.5	7093.4	6626.1	6214.3	5951.6	5724.3	5598.0	5547.4
7803.3	25°	7682.0	7634.0	7616.3	7287.9	6535.2	5989.5	5562.6	5287.2	5176.1	5148.3
8760.7	27.5°	8528.3	8407.0	8177.2	7394.0	6368.4	5635.8	5107.9	4852.7	4789.6	4792.1
9990.9	30°	9655.0	9412.4	8849.1	7411.7	6095.6	5135.7	4643.1	4461.2	4430.9	4443.5
11024.1	32.5°	10698.3	10468.4	9536.2	7330.9	5676.3	4645.6	4226.3	4105.0	4059.5	4074.7
11812.3	35°	11516.7	11453.6	10172.8	7217.2	5160.9	4185.8	3852.4	3748.8	3660.4	3640.2
12555.0	37.5°	12289.7	12264.5	10650.3	7058.1	4650.6	3860.0	3551.8	3415.4	3286.5	3215.8
13376.0	40°	13138.5	13113.3	10963.5	6813.0	4198.5	3577.0	3281.5	3102.1	2943.0	2814.1
14305.6	42.5°	14093.4	13944.4	11112.5	6461.9	3814.5	3337.0	3061.7	2819.2	2609.5	2490.8
15356.5	45°	15136.7	14800.7	11110.0	6014.8	3491.1	3117.3	2826.8	2483.2	2288.7	2177.5
16435.1	47.5°	16243.2	15619.2	10973.6	5519.6	3177.9	2874.8	2463.0	2200.3	2071.4	2003.2
17607.3	50°	17385.0	16384.6	10741.2	4951.3	2857.1	2599.4	2235.6	2056.3	1957.8	1894.6
18769.3	52.5°	18458.6	17079.3	10460.8	4307.1	2531.2	2331.6	2134.6	1995.7	1892.1	1821.4
19896.0	55°	19456.4	17678.0	10064.2	3647.8	2266.0	2152.3	2086.6	1970.4	1851.7	1768.3
21040.3	57.5°	20343.1	18067.0	9379.6	3028.9	2076.5	2028.5	2036.1	1927.5	1791.0	1720.3
22167.0	60°	21080.7	18352.5	8366.6	2455.4	1922.4	1907.2	1957.8	1846.6	1687.5	1606.6
23119.3	62.5°	21522.8	18347.4	7123.7	2010.8	1791.0	1796.1	1854.2	1745.6	1583.9	1508.1
23617.0	65°	21484.9	17897.8	5759.6	1720.3	1664.7	1669.8	1745.6	1634.4	1498.0	1452.5
23366.9	67.5°	20724.6	16801.4	4418.2	1530.8	1525.8	1548.5	1636.9	1558.6	1445.0	1439.9
21876.5	70°	18665.7	14525.4	3183.0	1379.3	1381.8	1414.6	1530.8	1510.6	1417.2	1427.3
18392.9	72.5°	14967.5	11074.7	2137.1	1220.1	1222.7	1275.7	1429.8	1472.7	1389.4	1523.3
13050.1	75°	9968.2	6906.5	1374.2	1050.9	1053.4	1121.6	1341.4	1399.5	1313.6	1518.2
6790.3	77.5°	4789.6	3104.6	995.3	884.2	884.2	947.3	1159.5	1253.0	1119.1	1179.7
2182.6	80°	1654.6	1167.1	783.1	712.4	697.2	740.2	977.6	1086.2	965.0	889.2
712.4	82.5°	651.7	606.3	629.0	553.2	502.7	530.5	760.4	896.8	709.8	641.6
401.7	85°	373.9	394.1	444.6	366.3	290.5	325.9	558.3	644.2	535.5	472.4
131.4	87.5°	101.0	138.9	204.6	189.5	131.4	138.9	265.2	356.2	308.2	237.5
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°
5332.7
5469.1
5686.4
5949.1
6191.6
6277.5
6280.0
6168.9
5908.7
5539.9
5153.4
4799.7
4486.4
4094.9
3655.3
3218.3
2826.8
2498.4
2172.5
1988.1
1871.9
1791.0
1735.5
1674.8
1571.3
1485.4
1450.0
1447.5
1424.7
1543.5
1530.8
1081.2
833.6
639.1
482.5
245.0
0.0

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