

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: P943287

Luminaire Tested: **GALN-SB7C-940-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943287  
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-SB7C-940-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

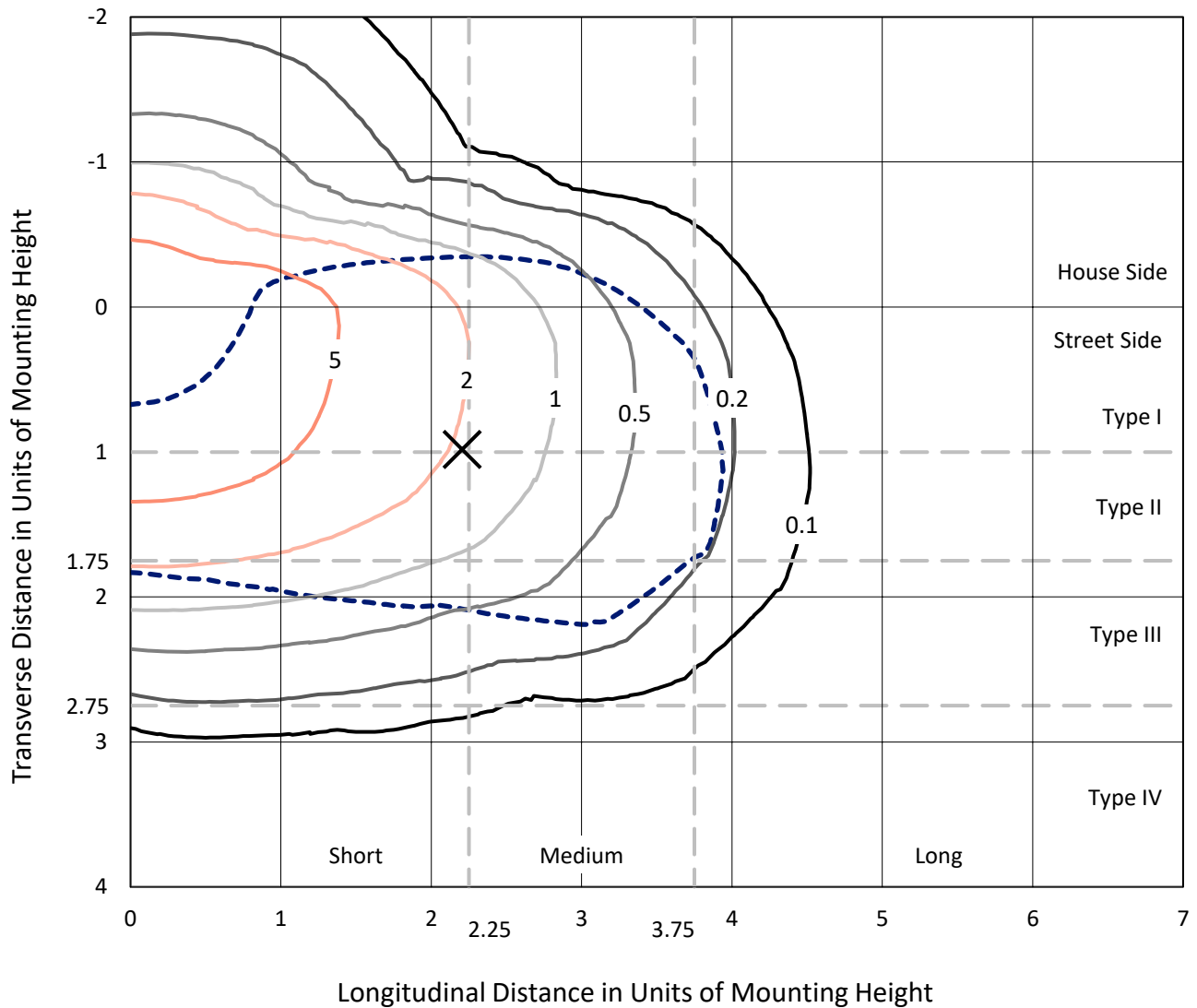
Lumens per Lamp: N/A  
Luminaire Lumens: 38620 lumens  
Efficiency: N/A  
Efficacy: 110.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

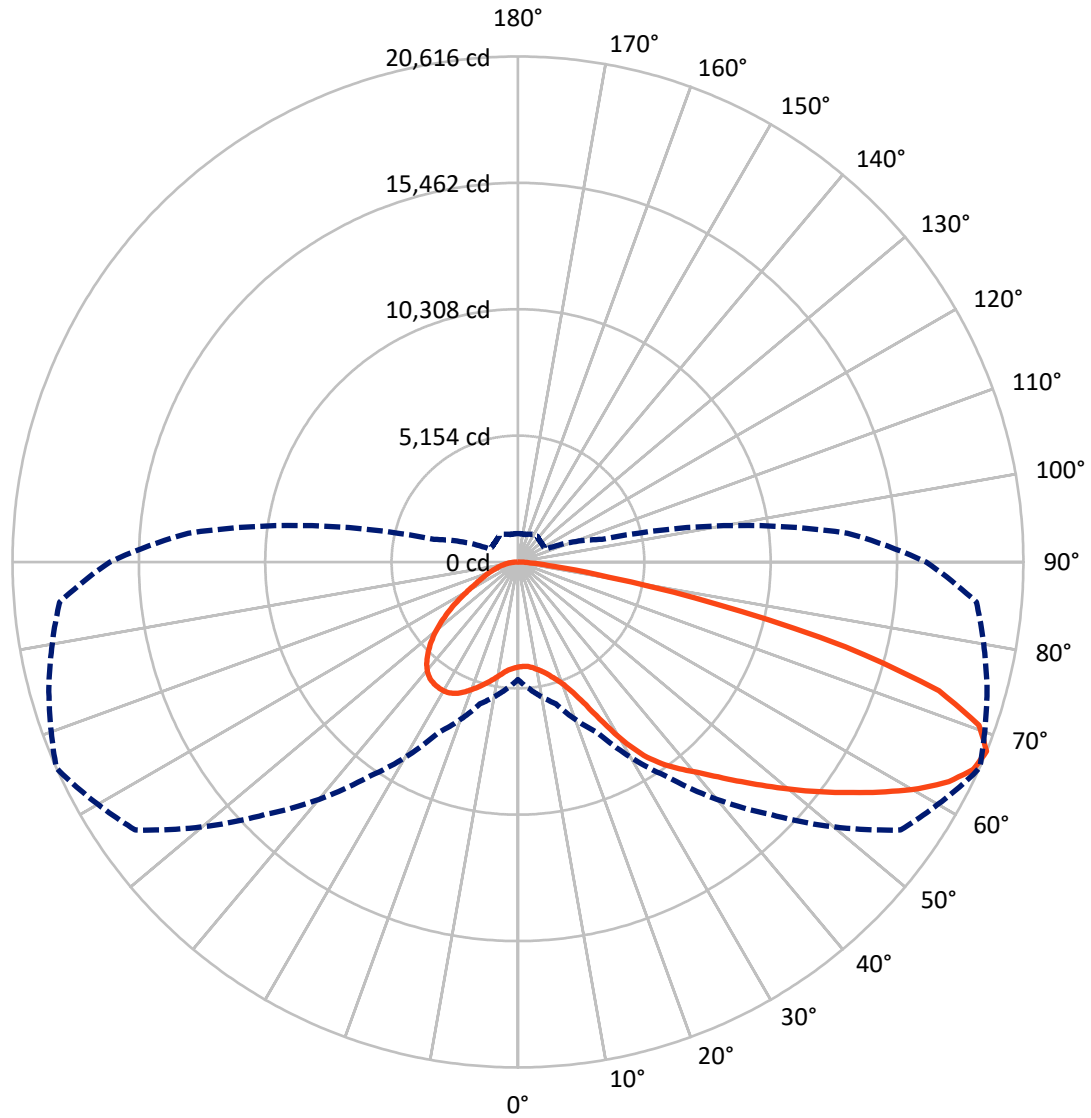
✕ Max cd  
 - - - 1/2 Max cd



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

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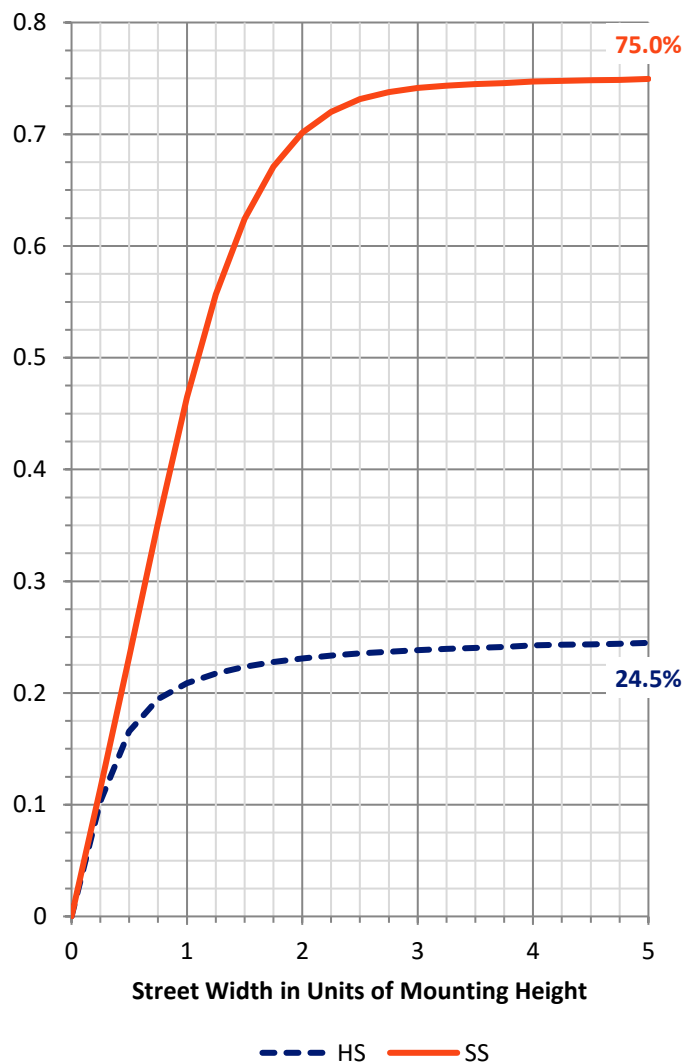
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9602.7	0.0	9602.7
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	29017.3	0.0	29017.3
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	38620.0	0.0	38620.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	424.7	1.1
10°-20°	1403.1	3.6
20°-30°	2704.4	7.0
30°-40°	4741.9	12.3
40°-50°	7049.6	18.3
50°-60°	8936.0	23.1
60°-70°	8743.7	22.6
70°-80°	4170.8	10.8
80°-90°	445.8	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°	38620.0	100.0
0°-180°	38620.0	100.0

**Coefficient of Utilization**



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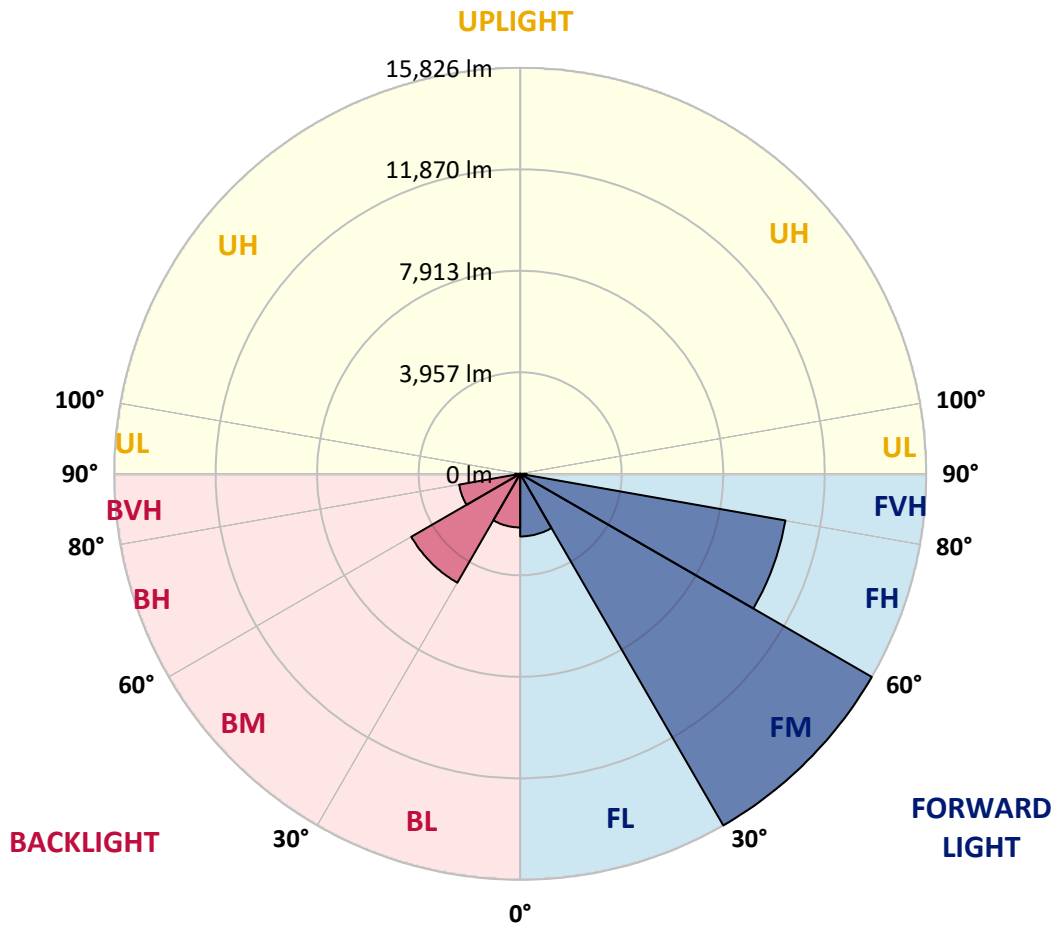
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2440.4	6.3			
FM (30°-60°)	15826.1	41.0			
FH (60°-80°)	10498.0	27.2			G4/12000
FVH (80°-90°)	252.7	0.7			G3/500
BL (0°-30°)	2091.8	5.4	B3/2500		
BM (30°-60°)	4901.4	12.7	B3/5000		
BH (60°-80°)	2416.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	193.0	0.5			G2/225
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°	65°	66°	75°
0°	4283.5	4283.5	4283.5	4283.5	4283.5	4283.5	4283.5	4283.5	4283.5	4283.5
2.5°	4238.8	4263.2	4257.1	4246.9	4244.9	4249.0	4255.1	4261.1	4259.1	4269.3
5°	4226.7	4251.0	4249.0	4249.0	4257.1	4273.3	4283.5	4293.6	4283.5	4295.6
7.5°	4234.8	4253.0	4261.1	4269.3	4289.6	4320.0	4344.3	4366.7	4354.5	4368.7
10°	4338.3	4352.5	4360.6	4360.6	4374.8	4409.3	4433.6	4474.2	4464.1	4486.4
12.5°	4527.0	4541.2	4541.2	4533.0	4543.2	4565.5	4573.6	4618.3	4600.0	4636.5
15°	4758.3	4786.7	4764.4	4750.2	4754.2	4776.5	4774.5	4809.0	4790.7	4821.2
17.5°	5014.0	5050.5	5014.0	5011.9	5003.8	5028.2	5030.2	5060.6	5028.2	5050.5
20°	5316.3	5367.0	5336.6	5346.7	5328.5	5338.6	5348.8	5393.4	5342.7	5358.9
22.5°	5742.4	5803.3	5770.8	5809.4	5797.2	5789.1	5787.0	5866.2	5787.0	5793.1
25°	6363.3	6436.4	6379.5	6432.3	6432.3	6458.7	6489.1	6590.6	6458.7	6420.1
27.5°	7280.5	7353.5	7241.9	7274.4	7264.2	7329.2	7296.7	7548.3	7406.3	7343.4
30°	8384.3	8514.2	8303.2	8295.0	8284.9	8388.4	8435.0	8601.4	8457.4	8394.5
32.5°	9577.4	9713.4	9461.8	9388.7	9350.2	9413.1	9374.5	9508.4	9409.0	9311.6
35°	10839.5	10973.5	10734.0	10592.0	10437.8	10305.9	10167.9	10202.4	10109.1	9960.9
37.5°	12032.7	12278.2	12024.6	11872.4	11588.3	11330.6	10945.1	10784.8	10697.5	10561.6
40°	13248.1	13388.1	13195.4	13065.5	12757.1	12353.3	11736.4	11397.6	11279.9	11148.0
42.5°	14143.0	14276.9	14173.4	14084.1	13842.6	13373.9	12576.5	12152.4	11981.9	11833.8
45°	14853.1	14952.6	14887.6	14920.1	14816.6	14362.1	13447.0	12962.0	12785.5	12604.9
47.5°	15139.3	15244.8	15348.2	15541.0	15717.5	15382.7	14382.4	13838.6	13651.9	13467.3
50°	15106.8	15214.3	15514.6	15924.5	16472.4	16360.8	15368.5	14772.0	14599.5	14388.5
52.5°	14847.1	14968.8	15354.3	16036.1	16908.6	17093.3	16373.0	15735.8	15573.5	15321.9
55°	14165.3	14238.3	14816.6	15782.5	17012.1	17604.6	17357.1	16762.5	16600.2	16249.2
57.5°	12901.1	13006.6	13848.7	15098.7	16752.4	17951.6	18221.5	17842.0	17685.8	17180.5
60°	11251.5	11419.9	12383.7	13950.2	16090.9	17949.6	19006.7	18903.3	18773.4	18097.7
62.5°	9384.7	9579.5	10506.8	12326.9	14934.3	17440.3	19497.8	19792.0	19725.1	18943.8
65°	7207.4	7341.3	8264.6	10226.8	13134.5	16346.6	19554.6	20398.7	20410.9	19587.1
67.5°	4798.9	5184.4	5985.9	7674.1	10723.9	14558.9	19055.4	20498.2	20615.8	19808.3
70°	2341.6	2848.9	3634.2	4987.6	7674.1	11817.6	17750.7	19682.4	19944.2	19163.0
72.5°	971.9	1136.3	1564.5	2461.3	4405.2	7974.4	15129.1	17470.7	17955.7	16979.7
75°	655.4	710.2	894.8	1262.1	2006.8	3932.4	10910.6	13026.9	13808.1	12824.0
77.5°	505.3	539.7	651.3	882.7	1193.1	1487.3	5839.8	7850.7	8254.5	7641.7
80°	397.7	424.1	487.0	643.2	846.1	795.4	1990.6	3557.0	3790.4	3179.6
82.5°	345.0	355.1	349.0	436.3	562.1	464.7	653.4	1312.8	1448.8	1051.1
85°	249.6	278.0	290.2	269.9	298.3	235.4	267.8	464.7	511.3	456.6
87.5°	101.5	150.2	184.6	174.5	109.6	67.0	83.2	136.0	156.2	170.4
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°
4283.5	0°	4283.5	4283.5	4283.5	4283.5	4283.5	4283.5	4283.5	4283.5	4283.5	4283.5
4285.5	2.5°	4287.5	4301.7	4311.9	4324.1	4332.2	4344.3	4368.7	4382.9	4384.9	4395.1
4318.0	5°	4326.1	4346.4	4368.7	4401.2	4437.7	4468.1	4514.8	4547.3	4559.4	4569.6
4397.1	7.5°	4409.3	4437.7	4478.3	4535.1	4587.8	4628.4	4685.2	4723.8	4762.3	4776.5
4522.9	10°	4533.0	4573.6	4632.5	4709.6	4766.4	4819.2	4878.0	4910.5	4949.0	4965.3
4673.1	12.5°	4687.3	4729.9	4807.0	4914.5	4967.3	5003.8	5024.1	5016.0	5024.1	5038.3
4853.7	15°	4863.8	4910.5	4997.7	5113.4	5149.9	5117.4	5072.8	5032.2	5026.1	5030.2
5072.8	17.5°	5072.8	5107.3	5208.7	5306.1	5279.8	5145.8	5048.4	4983.5	4951.0	4940.9
5352.8	20°	5365.0	5365.0	5448.2	5509.1	5332.5	5105.3	4953.1	4847.6	4780.6	4752.2
5734.3	22.5°	5720.1	5687.6	5740.4	5697.8	5322.4	4991.6	4780.6	4598.0	4496.5	4455.9
6267.9	25°	6170.5	6132.0	6117.8	5854.0	5249.3	4811.0	4468.1	4246.9	4157.7	4135.3
7037.0	27.5°	6850.3	6752.9	6568.3	5939.2	5115.4	4527.0	4102.9	3897.9	3847.2	3849.2
8025.2	30°	7755.3	7560.5	7108.0	5953.4	4896.3	4125.2	3729.5	3583.4	3559.1	3569.2
8855.1	32.5°	8593.3	8408.7	7659.9	5888.5	4559.4	3731.5	3394.7	3297.3	3260.8	3273.0
9488.2	35°	9250.7	9200.0	8171.3	5797.2	4145.5	3362.2	3094.4	3011.2	2940.2	2924.0
10084.7	37.5°	9871.7	9851.4	8554.8	5669.4	3735.6	3100.5	2852.9	2743.4	2639.9	2583.1
10744.2	40°	10553.4	10533.2	8806.4	5472.5	3372.4	2873.2	2635.8	2491.8	2363.9	2260.4
11490.9	42.5°	11320.5	11200.7	8926.1	5190.5	3064.0	2680.5	2459.3	2264.5	2096.1	2000.7
12335.0	45°	12158.5	11888.6	8924.1	4831.3	2804.2	2503.9	2270.6	1994.6	1838.4	1749.1
13201.4	47.5°	13047.2	12546.0	8814.5	4433.6	2552.6	2309.1	1978.4	1767.4	1663.9	1609.1
14143.0	50°	13964.4	13160.9	8627.8	3977.1	2294.9	2088.0	1795.8	1651.7	1572.6	1521.8
15076.3	52.5°	14826.8	13718.9	8402.6	3459.6	2033.2	1872.9	1714.6	1603.0	1519.8	1463.0
15981.3	55°	15628.3	14199.8	8084.0	2930.0	1820.1	1728.8	1676.1	1582.7	1487.3	1420.4
16900.5	57.5°	16340.5	14512.3	7534.1	2432.9	1667.9	1629.4	1635.5	1548.2	1438.6	1381.8
17805.5	60°	16933.0	14741.5	6720.4	1972.3	1544.2	1532.0	1572.6	1483.3	1355.5	1290.5
18570.5	62.5°	17288.1	14737.5	5722.1	1615.2	1438.6	1442.7	1489.4	1402.1	1272.3	1211.4
18970.2	65°	17257.6	14376.3	4626.4	1381.8	1337.2	1341.2	1402.1	1312.8	1203.3	1166.7
18769.3	67.5°	16646.9	13495.7	3548.9	1229.6	1225.6	1243.8	1314.9	1252.0	1160.7	1156.6
17572.2	70°	14993.2	11667.4	2556.7	1107.9	1109.9	1136.3	1229.6	1213.4	1138.3	1146.5
14774.0	72.5°	12022.5	8895.7	1716.6	980.1	982.1	1024.7	1148.5	1183.0	1116.0	1223.6
10482.4	75°	8006.9	5547.6	1103.8	844.1	846.1	900.9	1077.5	1124.1	1055.1	1219.5
5454.3	77.5°	3847.2	2493.8	799.5	710.2	710.2	760.9	931.4	1006.4	898.9	947.6
1753.2	80°	1329.1	937.5	629.0	572.2	560.0	594.5	785.3	872.5	775.1	714.2
572.2	82.5°	523.5	487.0	505.3	444.4	403.8	426.1	610.8	720.3	570.2	515.4
322.6	85°	300.3	316.5	357.1	294.2	233.3	261.8	448.4	517.4	430.2	379.4
105.5	87.5°	81.2	111.6	164.4	152.2	105.5	111.6	213.1	286.1	247.6	190.7
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°  
4283.5  
4393.0  
4567.5  
4778.6  
4973.4  
5042.4  
5044.4  
4955.1  
4746.1  
4449.9  
4139.4  
3855.3  
3603.7  
3289.2  
2936.1  
2585.1  
2270.6  
2006.8  
1745.0  
1596.9  
1503.6  
1438.6  
1394.0  
1345.3  
1262.1  
1193.1  
1164.7  
*1162.7*  
1144.4  
1239.8  
1229.6  
868.5  
669.6  
513.4  
387.6  
196.8  
0.0

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