

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: P942595

Luminaire Tested: **GALN-SB6C-935-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6C-935-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31303 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

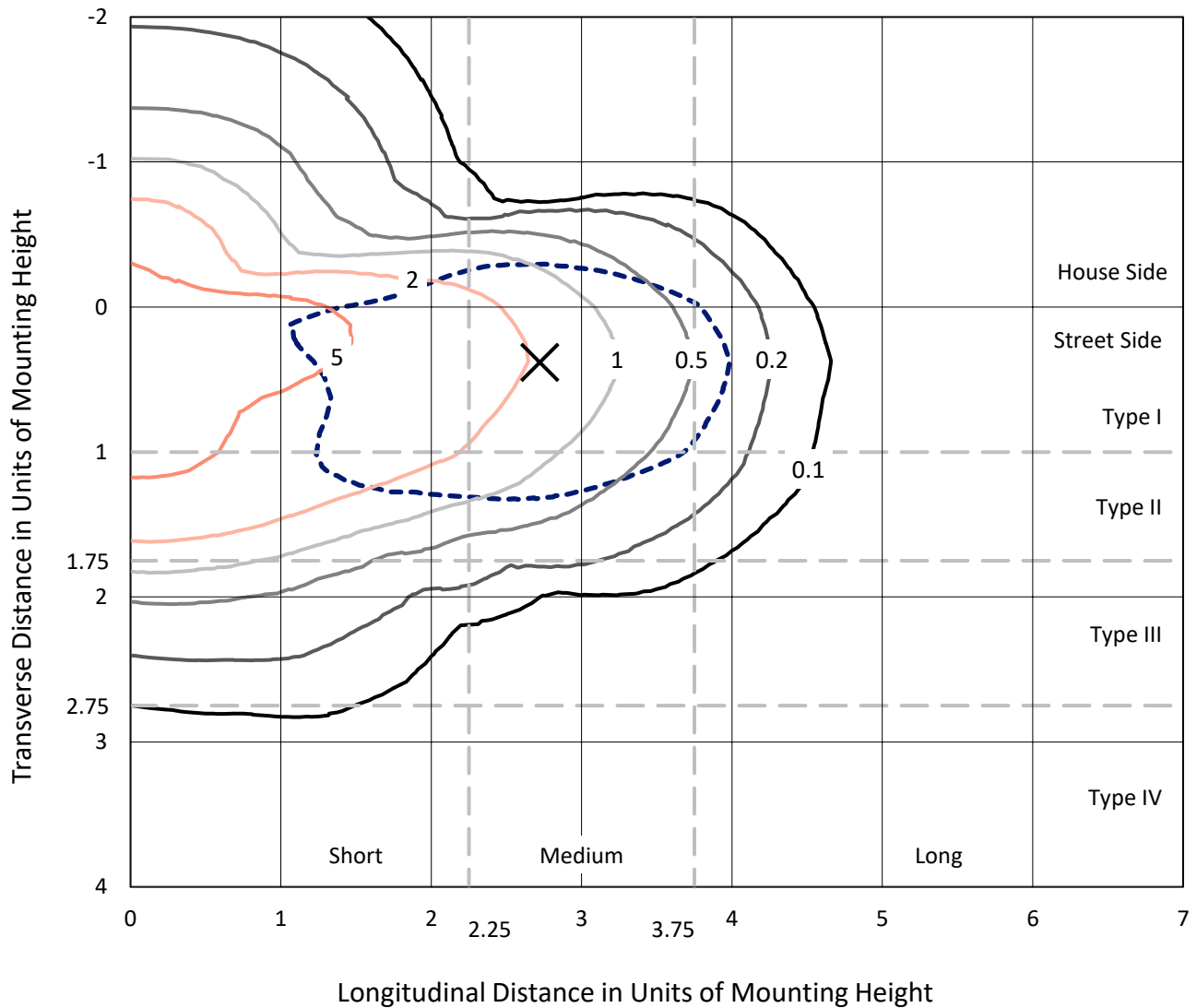
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

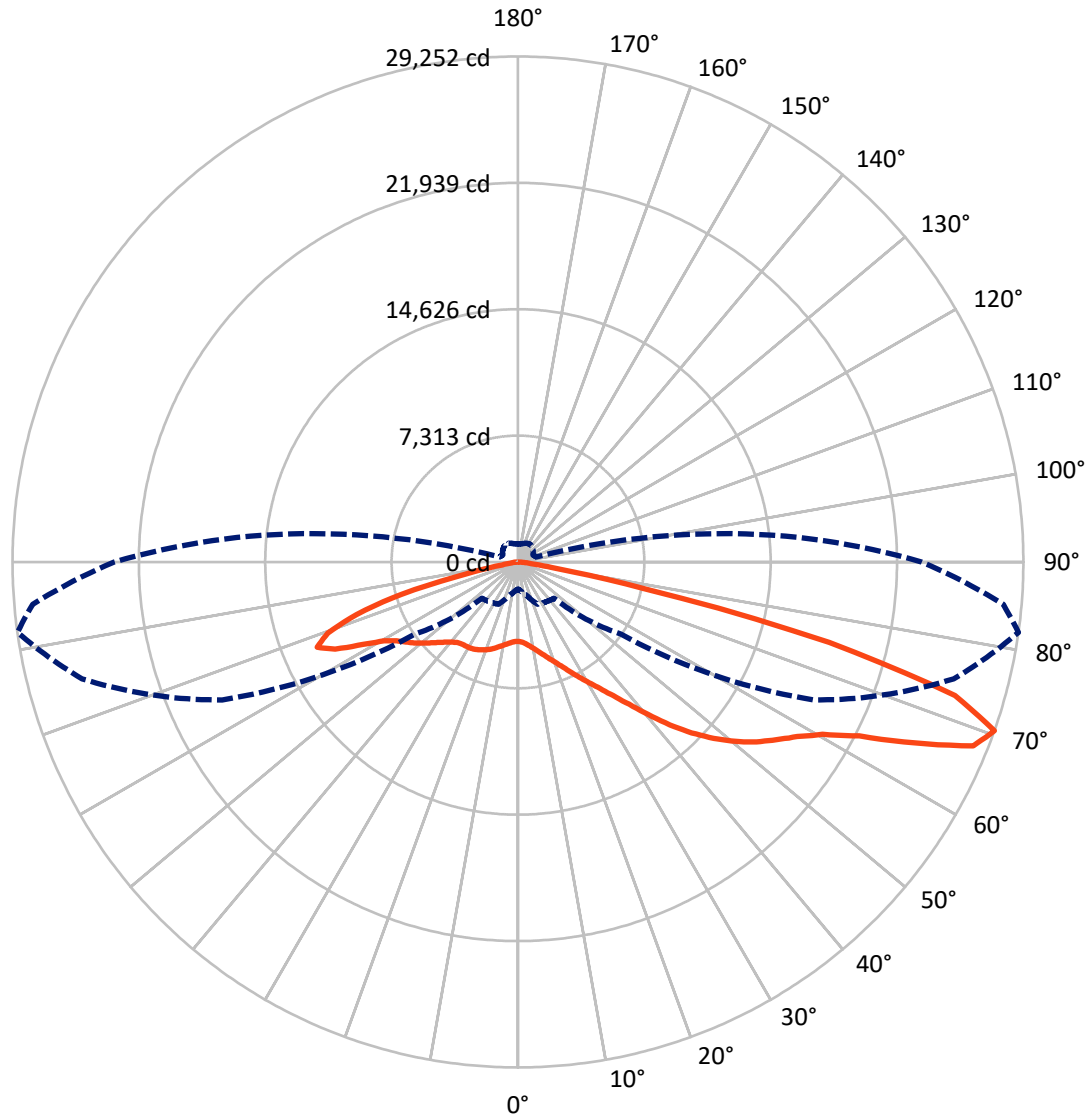
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7717.0	0.0	7717.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	23586.0	0.0	23586.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	31303.0	0.0	31303.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.3	1.4
10°-20°	1245.0	4.0
20°-30°	2082.7	6.7
30°-40°	3253.7	10.4
40°-50°	5181.9	16.6
50°-60°	7211.2	23.0
60°-70°	7543.3	24.1
70°-80°	3942.5	12.6
80°-90°	409.4	1.3
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°	31303.0	100.0
0°-180°	31303.0	100.0

Coefficient of Utilization



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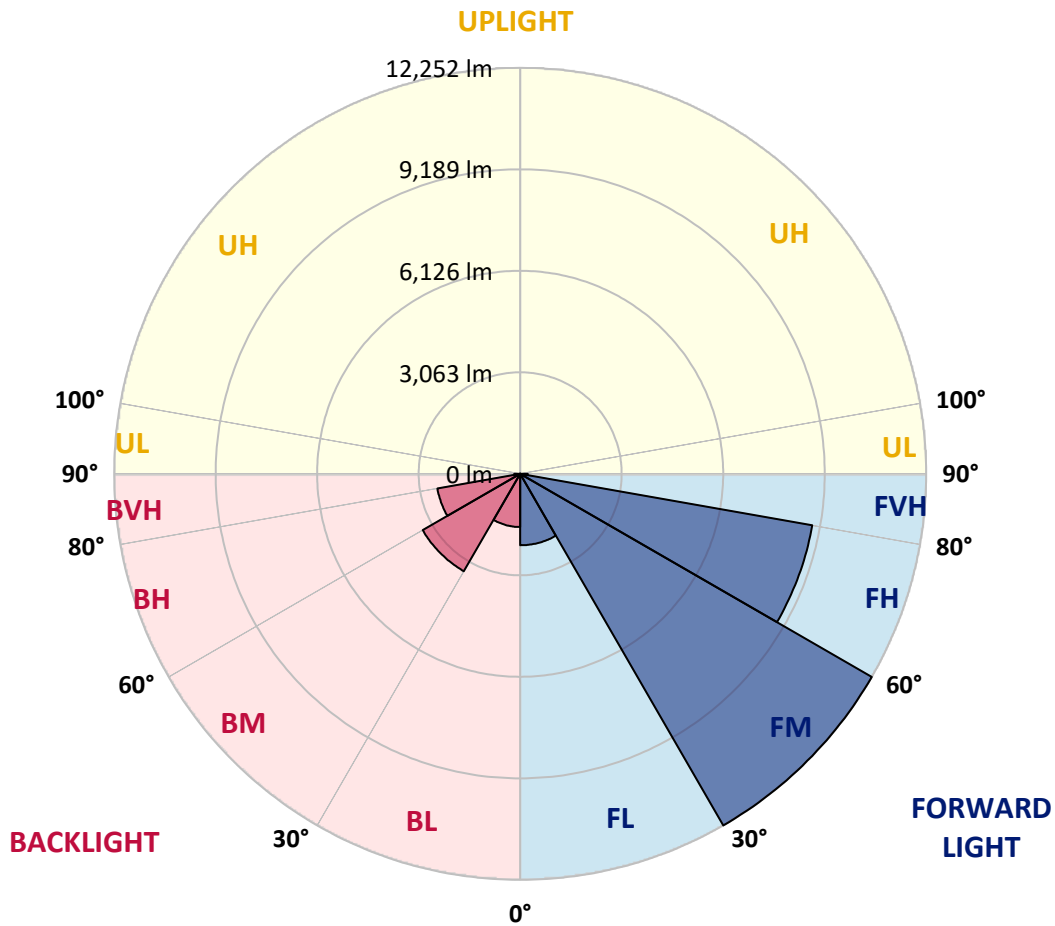
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2155.6	6.9			
FM (30°-60°)	12251.7	39.1			
FH (60°-80°)	8949.6	28.6			G4/12000
FVH (80°-90°)	229.2	0.7			G3/500
BL (0°-30°)	1605.4	5.1	B3/2500		
BM (30°-60°)	3395.2	10.8	B3/5000		
BH (60°-80°)	2536.2	8.1	B4/5000		G4/5000
BVH (80°-90°)	180.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4589.4	4589.4	4589.4	4589.4	4589.4	4589.4	4589.4	4589.4	4589.4	4589.4
2.5°	4699.0	4725.6	4717.3	4709.0	4709.0	4697.4	4695.7	4679.1	4665.8	4644.2
5°	4758.8	4787.1	4783.8	4790.4	4812.0	4817.0	4822.0	4812.0	4785.4	4758.8
7.5°	4705.7	4737.2	4747.2	4787.1	4853.5	4913.3	4958.2	4976.4	4951.5	4913.3
10°	4526.3	4561.2	4596.1	4690.7	4808.7	4949.9	5069.4	5140.9	5135.9	5099.3
12.5°	4162.5	4199.1	4273.8	4458.2	4674.1	4923.3	5145.9	5295.3	5346.8	5320.3
15°	3871.8	3903.4	3959.9	4149.2	4430.0	4808.7	5174.1	5464.8	5596.0	5581.0
17.5°	3863.5	3876.8	3911.7	4001.4	4217.3	4629.3	5144.2	5630.9	5881.7	5880.0
20°	4009.7	4014.7	4034.6	4052.9	4175.8	4493.1	5067.8	5768.7	6202.3	6202.3
22.5°	4212.4	4209.0	4229.0	4212.4	4272.2	4481.4	5019.6	5890.0	6559.4	6586.0
25°	4516.3	4499.7	4494.7	4456.5	4468.2	4589.4	5072.8	6027.9	6982.9	7037.8
27.5°	4921.6	4895.0	4876.8	4788.7	4758.8	4812.0	5235.5	6194.0	7454.7	7549.4
30°	5449.8	5401.7	5375.1	5222.3	5114.3	5122.6	5481.4	6414.9	7948.0	8100.8
32.5°	6170.7	6096.0	6024.5	5773.7	5576.1	5511.3	5798.6	6720.5	8482.9	8727.0
35°	6978.0	6918.2	6841.8	6454.7	6150.8	6001.3	6227.2	7147.4	9109.1	9496.1
37.5°	7755.3	7703.8	7740.4	7218.8	6826.8	6609.2	6788.6	7720.4	9881.4	10452.8
40°	8559.3	8519.4	8524.4	8026.1	7569.3	7325.1	7469.6	8439.7	10766.8	11590.6
42.5°	9433.0	9403.1	9303.4	8861.6	8348.3	8120.7	8253.6	9270.2	11716.9	12886.2
45°	10411.3	10393.0	10300.0	9793.4	9205.4	8949.6	9129.0	10187.1	12672.0	14105.4
47.5°	11256.8	11271.7	11260.1	10833.2	10223.6	9848.2	10062.5	11143.8	13560.6	15251.5
50°	11663.7	11741.8	11856.4	11723.5	11344.8	10962.8	11004.3	12067.3	14407.7	16326.2
52.5°	11451.1	11598.9	11911.2	12123.8	12270.0	12190.3	12079.0	12984.2	15205.0	17296.3
55°	10658.8	10866.4	11384.7	11897.9	12643.7	13223.4	13369.6	14000.8	15982.4	18150.0
57.5°	9215.4	9552.6	10017.6	11055.8	12311.5	13723.4	14874.5	15411.0	16806.2	19061.9
60°	6740.4	7192.2	7770.3	9315.0	11148.8	13456.0	16155.1	17577.0	17977.3	20242.9
62.5°	4313.7	4592.7	5124.3	6579.3	8687.2	12085.6	16547.1	20284.4	19962.2	22179.7
65°	2953.3	3132.7	3619.4	4436.6	5615.9	8996.1	15497.4	22314.2	23114.8	25249.2
67.5°	2146.0	2282.2	2697.5	3413.4	3659.2	5323.6	12025.8	22221.2	26179.4	28411.8
70°	1564.7	1661.0	2009.8	2697.5	2815.4	2961.6	7285.3	18889.2	26113.0	29252.3
72.5°	1159.4	1225.8	1460.0	2092.9	2278.9	1999.9	3606.1	13728.4	22438.8	26458.5
75°	838.8	888.6	1061.4	1601.2	1823.8	1523.2	1798.9	8022.7	15651.8	18611.8
77.5°	641.2	679.4	792.3	1172.7	1460.0	1142.8	1116.2	3690.8	7421.5	7458.0
80°	514.9	539.8	601.3	825.5	1119.5	855.4	727.5	1489.9	2345.4	1984.9
82.5°	378.7	420.2	508.3	579.7	800.6	589.7	443.5	752.4	892.0	767.4
85°	215.9	244.2	307.3	415.3	511.6	360.4	254.1	333.9	415.3	340.5
87.5°	76.4	99.7	108.0	162.8	222.6	149.5	98.0	96.3	136.2	101.3
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°
4589.4	0°	4589.4	4589.4	4589.4	4589.4	4589.4	4589.4	4589.4	4589.4	4589.4	4589.4
4639.2	2.5°	4622.6	4614.3	4581.1	4536.3	4489.7	4444.9	4430.0	4398.4	4376.8	4365.2
4747.2	5°	4715.6	4689.1	4611.0	4511.3	4406.7	4293.7	4214.0	4140.9	4087.8	4038.0
4895.0	7.5°	4848.5	4802.0	4667.5	4493.1	4307.0	4119.3	3979.8	3873.5	3802.1	3755.6
5067.8	10°	5003.0	4931.6	4725.6	4464.8	4177.5	3908.4	3743.9	3652.6	3607.7	3582.8
5265.4	12.5°	5180.7	5079.4	4785.4	4400.1	3979.8	3672.5	3559.6	3533.0	3534.7	3536.3
5514.6	15°	5400.0	5258.8	4833.6	4258.9	3722.4	3491.5	3471.5	3514.7	3559.6	3581.2
5797.0	17.5°	5647.5	5448.2	4841.9	4026.3	3469.9	3375.2	3438.3	3531.3	3599.4	3629.3
6112.6	20°	5913.2	5640.8	4782.1	3697.4	3262.3	3280.5	3393.5	3513.1	3587.8	3626.0
6473.0	22.5°	6217.2	5846.8	4639.2	3351.9	3092.8	3177.5	3310.4	3426.7	3504.8	3543.0
6896.6	25°	6564.4	6077.7	4415.0	3061.3	2946.7	3061.3	3194.2	3290.5	3353.6	3388.5
7370.0	27.5°	6949.7	6318.5	4116.0	2830.4	2818.8	2941.7	3051.3	3126.0	3159.3	3185.8
7873.3	30°	7336.7	6537.8	3753.9	2656.0	2707.5	2823.7	2901.8	2935.0	2945.0	2950.0
8434.7	32.5°	7755.3	6727.2	3373.5	2511.5	2601.2	2709.1	2755.6	2770.6	2724.1	2692.5
9115.7	35°	8261.9	6929.8	3001.5	2396.9	2496.5	2589.5	2604.5	2591.2	2536.4	2471.6
9969.5	37.5°	8888.1	7182.3	2704.1	2315.5	2398.5	2460.0	2441.7	2438.4	2443.4	2367.0
10996.0	40°	9655.5	7511.2	2486.6	2252.3	2318.8	2332.1	2280.6	2308.8	2333.7	2217.5
12122.2	42.5°	10507.6	7908.1	2348.7	2209.2	2252.3	2220.8	2141.1	2172.6	2169.3	2016.5
13253.3	45°	11376.4	8340.0	2300.5	2177.6	2190.9	2127.8	2039.7	2048.0	1978.3	1840.4
14338.0	47.5°	12240.1	8803.4	2330.4	2151.0	2114.5	2043.1	1975.0	1938.4	1835.4	1732.4
15377.8	50°	13087.2	9290.1	2440.0	2097.9	2009.8	1968.3	1918.5	1853.7	1744.1	1656.0
16361.1	52.5°	13872.9	9780.1	2563.0	2009.8	1878.6	1903.5	1872.0	1797.2	1689.3	1599.6
17291.3	55°	14617.0	10270.1	2611.1	1888.6	1755.7	1847.1	1828.8	1690.9	1561.4	1488.3
18264.6	57.5°	15427.6	10859.8	2558.0	1734.1	1656.0	1782.3	1712.5	1559.7	1485.0	1430.1
19532.0	60°	16550.5	11785.0	2443.4	1543.1	1561.4	1685.9	1566.3	1503.2	1421.8	1360.4
21432.2	62.5°	18415.8	13510.8	2259.0	1353.7	1450.1	1543.1	1496.6	1433.5	1350.4	1290.6
24681.2	65°	21173.1	15909.3	1911.8	1205.9	1325.5	1403.6	1421.8	1358.7	1272.3	1209.2
27528.2	67.5°	23498.5	17414.2	1446.8	1083.0	1197.6	1290.6	1342.1	1280.7	1189.3	1127.8
28194.2	70°	23370.6	16321.2	1104.6	961.7	1084.6	1179.3	1245.8	1197.6	1099.6	1041.5
25609.7	72.5°	20757.8	13653.6	893.6	838.8	970.0	1063.1	1142.8	1106.2	1006.6	950.1
18761.3	75°	15249.9	9692.1	714.2	714.2	827.2	941.8	1029.8	1006.6	915.2	875.4
7876.6	77.5°	6428.2	4066.2	559.8	593.0	687.7	808.9	918.5	926.9	847.1	897.0
2082.9	80°	1709.2	1121.2	426.9	466.7	539.8	667.7	799.0	795.6	709.3	662.7
774.0	82.5°	651.1	441.8	304.0	328.9	390.3	511.6	632.9	652.8	566.4	490.0
304.0	85°	250.8	189.4	187.7	197.7	227.6	338.8	478.4	495.0	426.9	362.1
84.7	87.5°	64.8	56.5	69.8	66.4	104.6	181.1	274.1	284.0	260.8	151.2
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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<u>180°</u>
4589.4
4378.5
4057.9
3765.5
3589.5
3539.6
3579.5
3636.0
3636.0
3552.9
3398.5
3195.8
2961.6
2702.5
2474.9
2371.9
2220.8
2014.8
1845.4
1732.4
1649.4
1601.2
1481.6
1425.2
1357.1
1290.6
1212.5
1129.5
1046.4
950.1
863.7
813.9
616.2
490.0
373.7
215.9
0.0

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