

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: P953040

Luminaire Tested: **GALN-SB6C-950-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953040  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6C-950-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

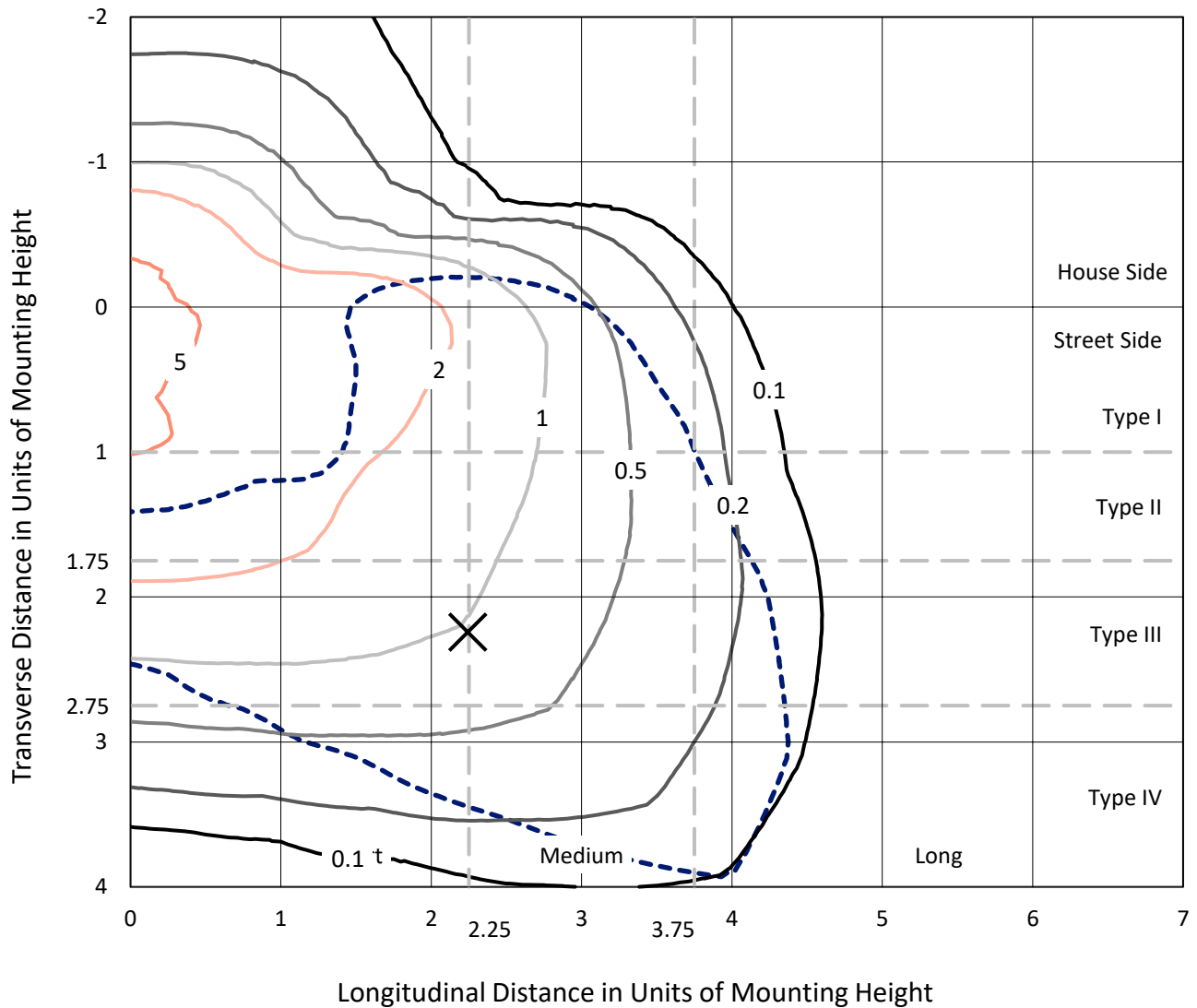
Lumens per Lamp: N/A  
Luminaire Lumens: 31531 lumens  
Efficiency: N/A  
Efficacy: 104.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

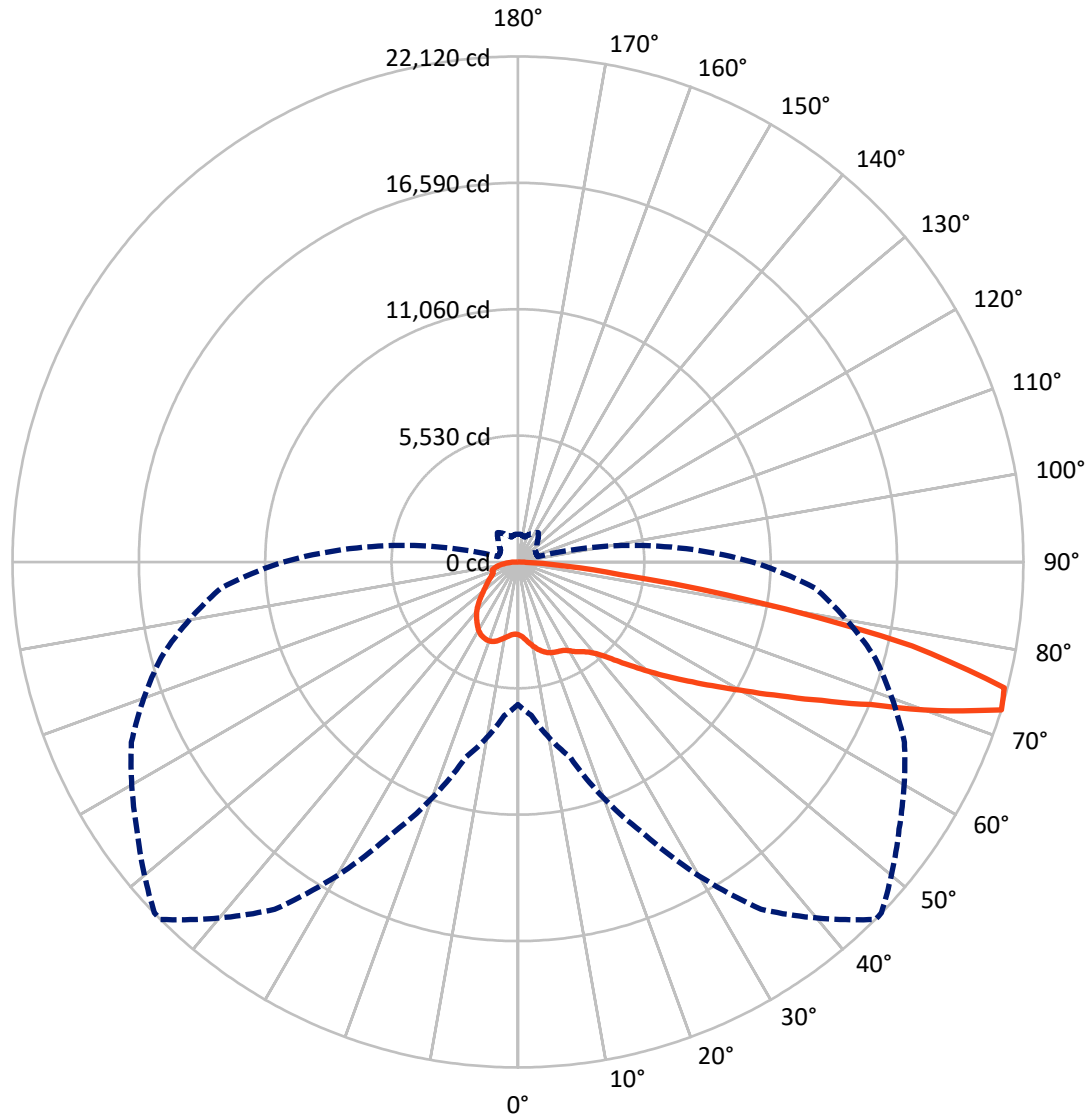
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7128.1	0.0	7128.1
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	24402.9	0.0	24402.9
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	31531.0	0.0	31531.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.7	1.0
10°-20°	1079.4	3.4
20°-30°	1877.7	6.0
30°-40°	2691.8	8.5
40°-50°	3790.2	12.0
50°-60°	5805.5	18.4
60°-70°	8410.1	26.7
70°-80°	6716.0	21.3
80°-90°	836.5	2.7
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°	31531.0	100.0
0°-180°	31531.0	100.0

**Coefficient of Utilization**



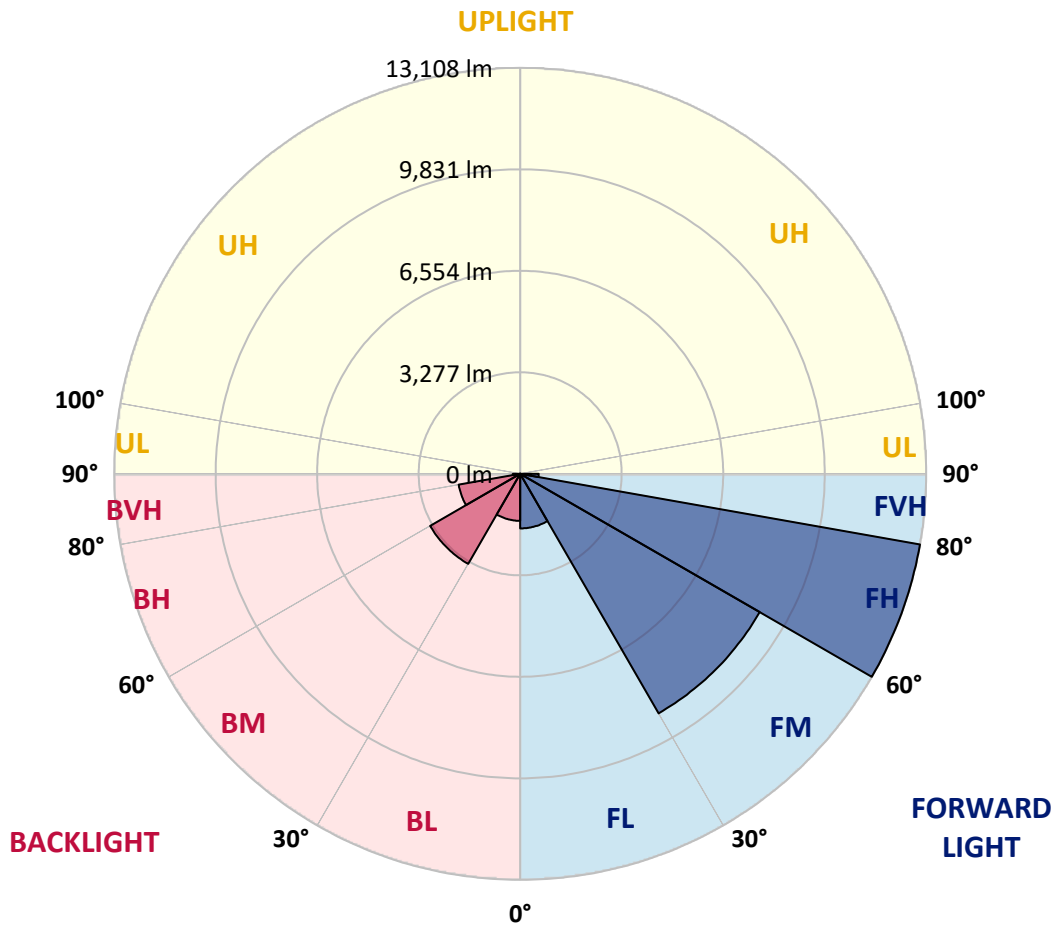
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1763.3	5.6			
FM (30°-60°)	8931.2	28.3			
FH (60°-80°)	13108.4	41.6			G5
FVH (80°-90°)	600.1	1.9			G4/750
BL (0°-30°)	1517.6	4.8	B3/2500		
BM (30°-60°)	3356.3	10.6	B3/5000		
BH (60°-80°)	2017.8	6.4	B3/2500		G3/2500
BVH (80°-90°)	236.4	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3180.9	3180.9	3180.9	3180.9	3180.9	3180.9	3180.9	3180.9	3180.9	3180.9
2.5°	3305.4	3327.0	3307.1	3288.8	3280.5	3258.9	3257.3	3244.0	3235.7	3212.4
5°	3536.3	3564.6	3531.3	3494.8	3461.6	3408.4	3401.8	3363.6	3320.4	3270.6
7.5°	3797.1	3822.0	3783.8	3729.0	3670.9	3582.8	3581.2	3511.4	3443.3	3358.6
10°	4024.7	4057.9	4006.4	3931.6	3858.6	3758.9	3747.3	3667.5	3581.2	3471.5
12.5°	4225.6	4248.9	4199.1	4107.7	4023.0	3923.3	3908.4	3820.4	3724.0	3599.4
15°	4385.1	4415.0	4348.6	4250.6	4160.9	4062.9	4049.6	3969.9	3873.5	3742.3
17.5°	4489.8	4514.7	4446.6	4336.9	4250.6	4169.2	4159.2	4092.8	4008.1	3875.2
20°	4529.6	4556.2	4484.8	4373.5	4293.8	4230.6	4225.6	4177.5	4119.3	3998.1
22.5°	4569.5	4594.4	4501.4	4385.1	4315.3	4275.5	4273.8	4242.3	4219.0	4119.3
25°	4730.6	4737.2	4612.7	4444.9	4345.2	4310.4	4308.7	4307.0	4317.0	4238.9
27.5°	4870.1	4868.5	4762.2	4604.4	4449.9	4376.8	4375.1	4391.8	4423.3	4358.5
30°	5074.4	5056.2	4929.9	4765.5	4624.3	4511.3	4501.4	4486.4	4511.3	4459.9
32.5°	5508.0	5449.8	5245.5	4953.2	4768.8	4682.4	4669.1	4576.1	4586.1	4554.5
35°	6129.2	6052.8	5780.4	5308.6	4948.2	4825.3	4818.6	4700.7	4680.8	4652.5
37.5°	6868.3	6773.7	6456.4	5823.6	5257.1	4991.4	4981.4	4875.1	4793.7	4763.8
40°	7610.8	7491.2	7228.8	6451.4	5712.3	5268.8	5237.2	5076.1	4983.1	4933.2
42.5°	8331.7	8232.0	8007.8	7155.7	6273.7	5674.1	5604.3	5328.6	5258.8	5212.3
45°	8969.5	8879.8	8715.4	7908.1	6931.5	6225.5	6157.4	5707.3	5685.7	5685.7
47.5°	9487.8	9467.8	9293.4	8675.5	7707.2	6853.4	6735.5	6233.8	6292.0	6381.7
50°	10062.5	10007.7	9821.6	9431.3	8619.1	7572.6	7476.3	6880.0	7097.6	7343.4
52.5°	10590.7	10620.6	10413.0	10218.6	9648.9	8374.9	8205.5	7642.4	8112.4	8519.4
55°	11133.9	11135.5	11077.4	11050.8	10728.6	9261.9	9075.8	8559.3	9306.7	9811.7
57.5°	11643.8	11647.1	11733.5	11967.7	11981.0	10285.1	10074.1	9685.4	10633.9	11148.8
60°	12098.9	12122.2	12358.0	12906.2	13082.2	11457.8	11258.4	11015.9	12005.9	12524.1
62.5°	12251.7	12336.4	12861.3	13640.3	14170.2	12896.2	12700.2	12555.7	13447.7	13929.4
65°	11992.6	12186.9	13201.8	14246.6	15289.7	14605.4	14411.1	14253.3	14945.9	15399.4
67.5°	11356.4	11607.2	13181.9	14882.8	16648.5	16661.7	16480.7	16110.3	16552.1	16726.5
70°	9680.5	10055.8	12020.8	15120.3	18208.2	19473.9	19299.5	18346.0	18155.0	17311.2
72.5°	6237.2	6742.1	8851.6	13165.3	18555.3	22119.9	22109.9	20364.2	18661.6	16175.1
75°	2275.6	2584.6	4112.7	8263.6	15575.4	21985.3	22050.1	20018.7	17035.5	12494.2
77.5°	828.9	906.9	1342.1	3175.9	9579.1	17640.1	17774.6	16004.0	12125.5	6270.4
80°	435.2	478.4	687.7	1232.5	4104.4	10476.1	10687.0	9511.0	5699.0	1888.6
82.5°	240.8	260.8	385.4	669.4	1848.7	4479.8	4606.0	3757.2	2004.9	800.6
85°	129.6	137.9	181.1	365.4	903.6	1553.1	1587.9	1122.9	799.0	470.1
87.5°	38.2	46.5	59.8	116.3	353.8	348.8	357.1	222.6	315.6	237.5
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°
3180.9	0°	3180.9	3180.9	3180.9	3180.9	3180.9	3180.9	3180.9	3180.9	3180.9	3180.9
3205.8	2.5°	3195.8	3190.8	3172.6	3164.3	3154.3	3152.6	3160.9	3162.6	3164.3	3165.9
3242.3	5°	3225.7	3209.1	3192.5	3182.5	3185.8	3187.5	3204.1	3215.7	3224.1	3230.7
3310.4	7.5°	3283.8	3270.6	3242.3	3240.7	3245.6	3260.6	3282.2	3308.8	3323.7	3335.3
3398.5	10°	3370.2	3345.3	3312.1	3317.1	3327.0	3348.6	3393.5	3415.1	3440.0	3461.6
3506.4	12.5°	3458.3	3436.7	3398.5	3401.8	3418.4	3456.6	3499.8	3526.4	3543.0	3559.6
3622.7	15°	3572.9	3534.7	3493.1	3493.1	3523.0	3564.6	3584.5	3606.1	3616.1	3634.3
3747.3	17.5°	3690.8	3641.0	3586.2	3582.8	3619.4	3639.3	3650.9	3654.3	3657.6	3677.5
3868.5	20°	3808.7	3753.9	3675.8	3669.2	3677.5	3674.2	3672.5	3669.2	3674.2	3699.1
3993.1	22.5°	3925.0	3861.9	3753.9	3724.0	3700.8	3669.2	3667.5	3665.9	3669.2	3694.1
4127.6	25°	4061.2	3984.8	3840.3	3750.6	3672.5	3629.3	3634.3	3636.0	3639.3	3659.2
4267.2	27.5°	4209.0	4124.3	3920.0	3742.3	3601.1	3571.2	3562.9	3567.9	3579.5	3611.1
4406.7	30°	4356.9	4257.2	3993.1	3709.1	3511.4	3469.9	3443.3	3454.9	3491.5	3523.0
4528.0	32.5°	4491.4	4391.8	4051.2	3636.0	3396.8	3332.0	3297.1	3312.1	3348.6	3360.3
4662.5	35°	4649.2	4536.3	4076.2	3519.7	3272.2	3172.6	3126.1	3104.5	3122.7	3111.1
4820.3	37.5°	4825.3	4707.3	4072.8	3366.9	3126.1	3011.4	2946.7	2865.3	2827.1	2787.2
5052.8	40°	5086.1	4916.6	4033.0	3182.5	2945.0	2840.4	2724.1	2586.2	2499.8	2421.8
5428.2	42.5°	5441.5	5207.3	3959.9	2979.9	2740.7	2642.7	2484.9	2323.8	2187.6	2058.0
5998.0	45°	5971.4	5587.7	3868.5	2763.9	2519.8	2423.4	2252.4	2071.3	1916.8	1750.7
6806.9	47.5°	6735.5	6099.3	3782.2	2518.1	2287.2	2199.2	2044.7	1877.0	1694.2	1533.1
7976.2	50°	7785.2	6833.5	3702.4	2278.9	2058.0	1991.6	1868.7	1697.6	1513.2	1383.6
9346.6	52.5°	9120.7	7831.7	3669.2	2048.0	1843.7	1818.8	1720.8	1561.4	1387.0	1277.3
10944.5	55°	10653.8	9026.0	3669.2	1827.1	1656.0	1664.3	1596.2	1448.4	1297.3	1199.3
12592.2	57.5°	12218.5	10235.2	3602.8	1622.8	1496.6	1531.5	1488.3	1358.7	1222.5	1121.2
14324.7	60°	13660.3	11248.5	3333.7	1436.8	1355.4	1410.2	1382.0	1270.7	1104.6	1019.9
15773.1	62.5°	14768.2	11819.9	2815.4	1289.0	1239.1	1302.2	1287.3	1154.4	1083.0	1048.1
16962.4	65°	15323.0	11726.8	2152.7	1157.7	1141.1	1239.1	1207.6	1202.6	1146.1	1106.2
17349.4	67.5°	14982.5	10926.2	1561.4	1061.4	1084.6	1181.0	1302.2	1322.2	1217.5	1139.5
16259.8	70°	13489.2	9477.8	1162.7	970.0	1013.2	1182.7	1485.0	1383.6	1194.3	1102.9
13040.7	72.5°	10261.8	7067.7	901.9	873.7	920.2	1191.0	1566.3	1355.4	1127.8	1219.2
8124.1	75°	5868.4	3880.2	724.2	755.8	803.9	1112.9	1524.8	1282.3	1076.3	1119.5
3219.1	77.5°	2237.4	1491.6	598.0	639.5	646.1	971.7	1458.4	1277.3	1024.9	999.9
965.1	80°	775.7	583.0	495.0	508.3	500.0	863.7	1398.6	1111.2	838.8	750.8
398.6	82.5°	317.3	290.7	392.0	375.4	355.5	671.1	1129.5	908.6	686.0	606.3
192.7	85°	137.9	184.4	259.1	227.6	206.0	465.1	905.3	769.1	579.7	500.0
63.1	87.5°	28.2	69.8	109.6	103.0	106.3	310.6	642.8	546.5	410.3	307.3
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>
3180.9
3172.6
3234.0
3338.7
3456.6
3566.2
3641.0
3684.2
3709.1
3710.7
3685.8
3642.6
3557.9
3401.8
3147.6
2812.1
2426.8
2046.4
1730.8
1514.9
1375.3
1269.0
1189.3
1104.6
1006.6
1036.5
1093.0
1126.2
1088.0
1209.2
1119.5
911.9
725.9
599.6
498.3
240.8
0.0

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