

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: P954107

Luminaire Tested: **GALN-SB7B-950-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954107  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7B-950-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

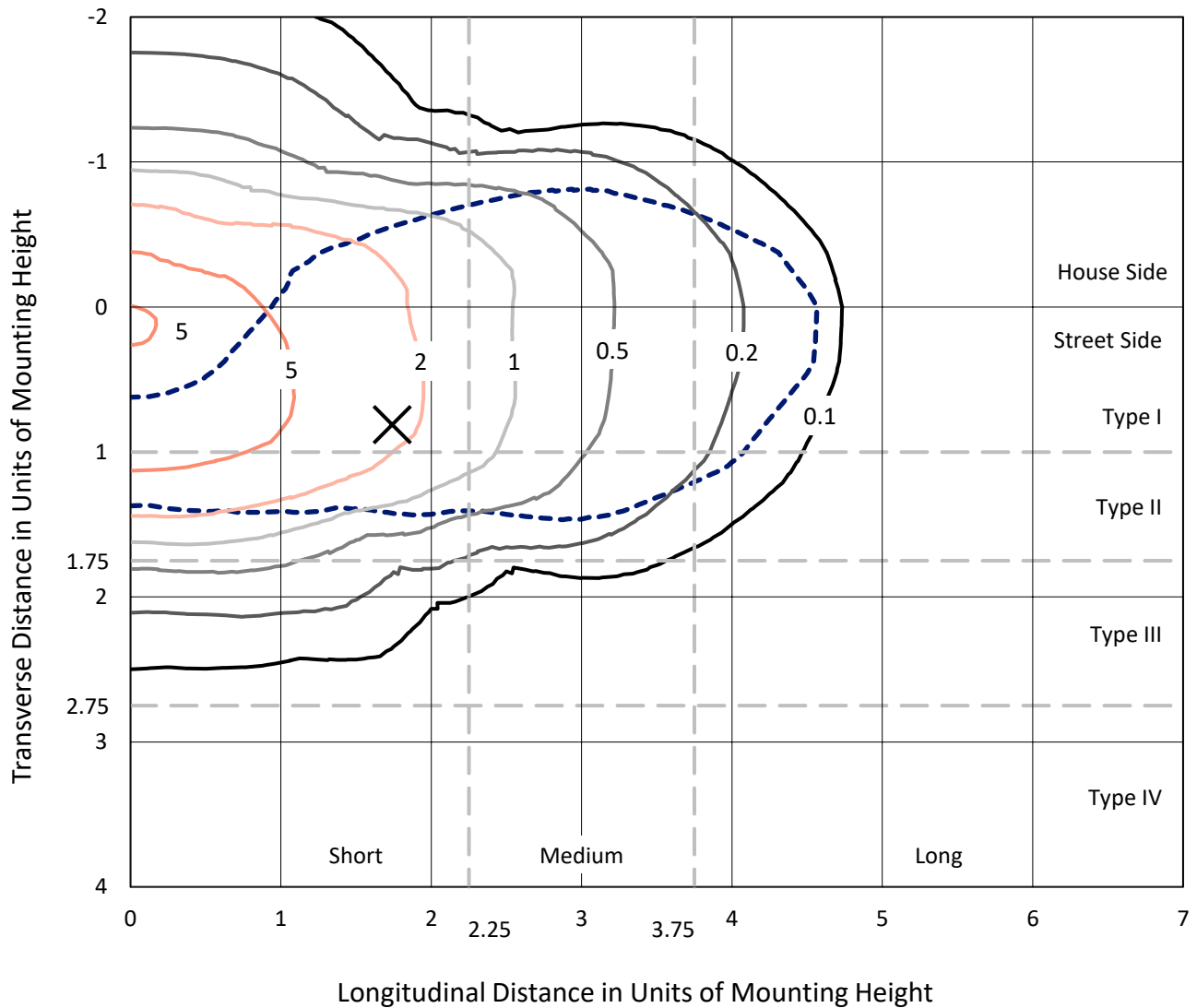
Lumens per Lamp: N/A  
Luminaire Lumens: 28231 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

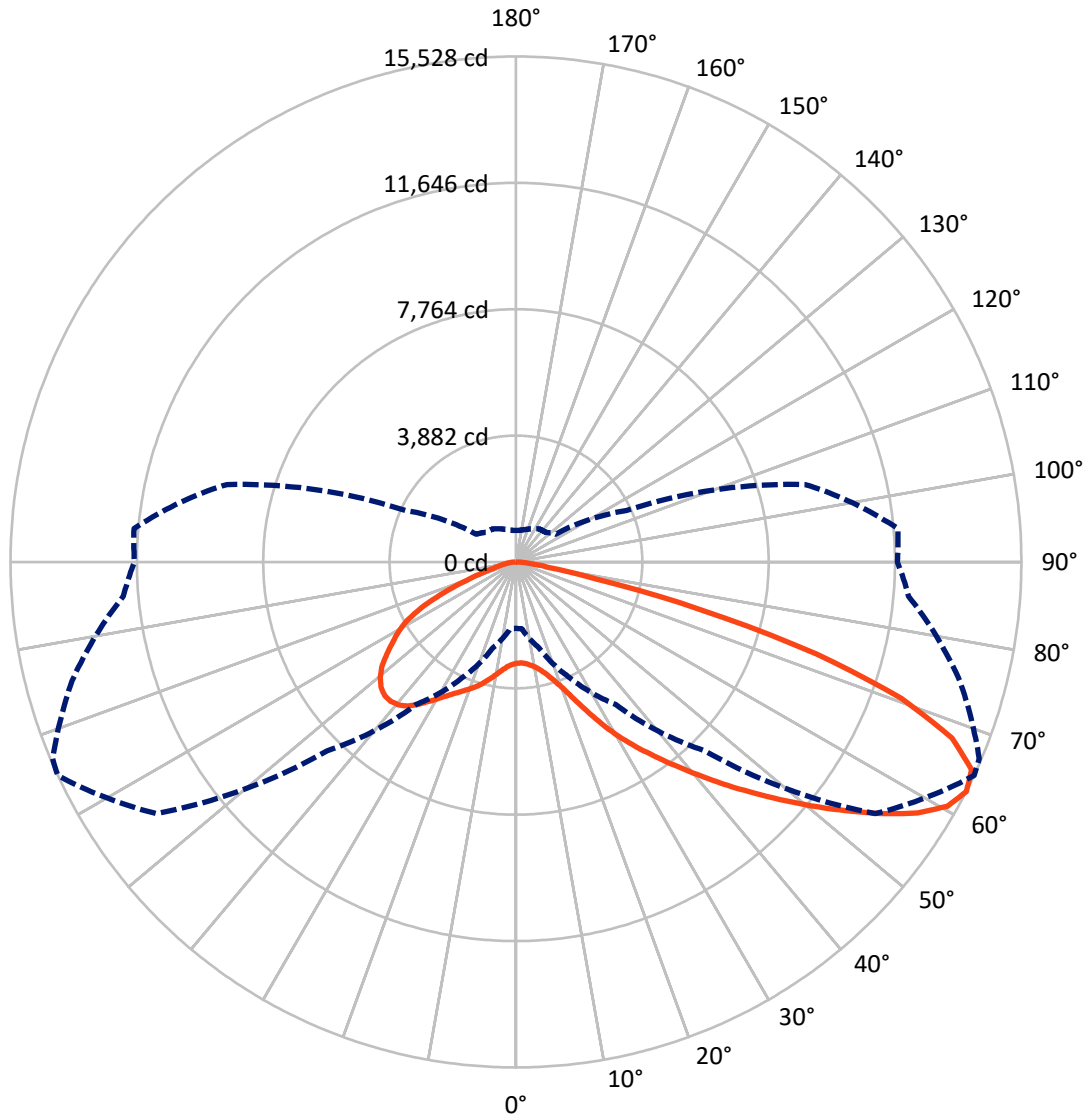
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8908.5	0.0	8908.5
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	19322.5	0.0	19322.5
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	28231.0	0.0	28231.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.2	1.1
10°-20°	1051.8	3.7
20°-30°	2132.6	7.6
30°-40°	3690.4	13.1
40°-50°	5584.7	19.8
50°-60°	6547.7	23.2
60°-70°	5489.4	19.4
70°-80°	3030.6	10.7
80°-90°	393.7	1.4
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°	28231.0	100.0
0°-180°	28231.0	100.0

**Coefficient of Utilization**

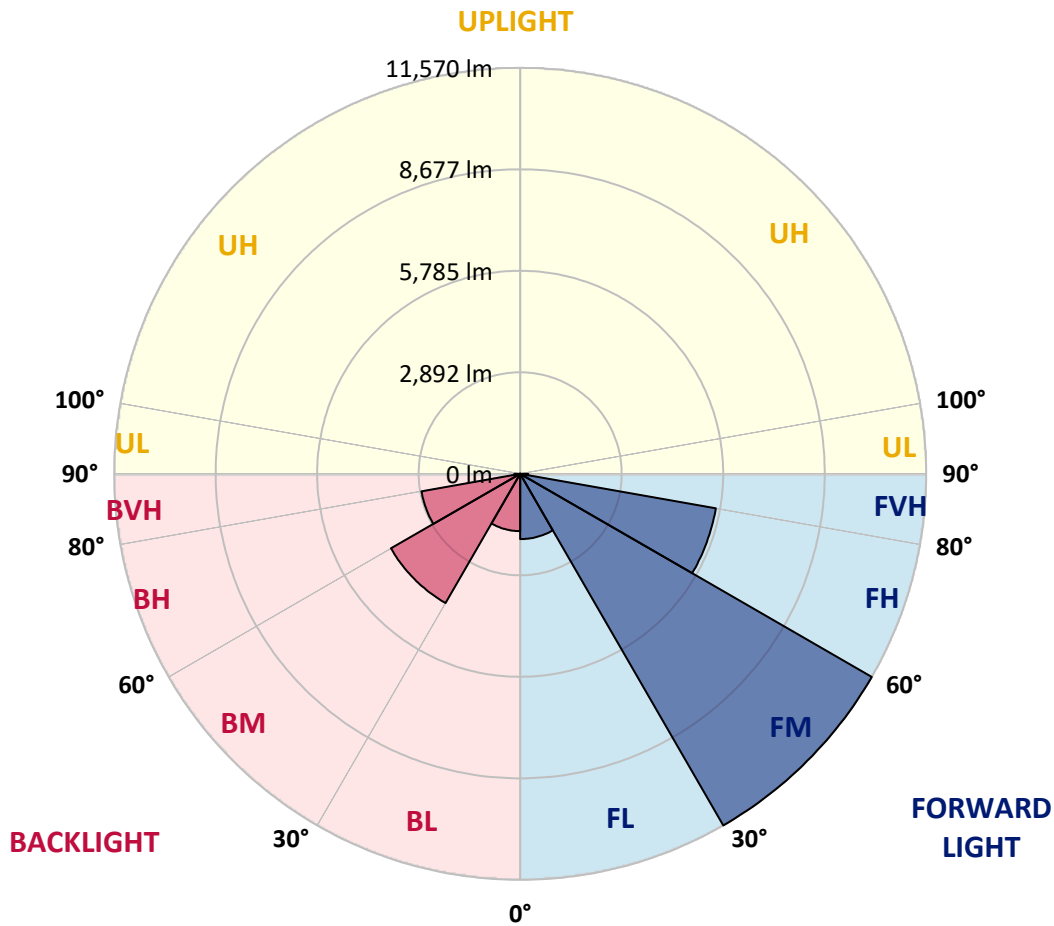


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1860.8	6.6			
FM (30°-60°)	11570.0	41.0			
FH (60°-80°)	5662.3	20.1			G3/7500
FVH (80°-90°)	229.4	0.8			G3/500
BL (0°-30°)	1633.7	5.8	B3/2500		
BM (30°-60°)	4252.8	15.1	B3/5000		
BH (60°-80°)	2857.8	10.1	B4/5000		G4/5000
BVH (80°-90°)	164.2	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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	3110.9	3110.9	3110.9	3110.9	3110.9	3110.9	3110.9	3110.9	3110.9	3110.9
2.5°	3090.4	3081.6	3089.0	3089.0	3091.9	3090.4	3100.7	3103.6	3108.0	3116.8
5°	3059.7	3058.2	3071.4	3083.1	3094.8	3105.1	3118.3	3137.3	3140.2	3150.5
7.5°	3049.4	3040.6	3061.1	3075.8	3103.6	3128.5	3163.7	3195.9	3209.1	3213.5
10°	3128.5	3113.9	3132.9	3141.7	3165.1	3190.0	3231.0	3282.3	3296.9	3314.5
12.5°	3263.3	3247.1	3275.0	3288.2	3310.1	3332.1	3359.9	3409.7	3417.0	3449.3
15°	3447.8	3428.8	3446.3	3462.5	3499.1	3519.6	3547.4	3595.7	3595.7	3620.6
17.5°	3698.3	3673.4	3686.5	3692.4	3715.8	3746.6	3793.5	3835.9	3857.9	3849.1
20°	4071.7	4041.0	4041.0	4011.7	4002.9	4027.8	4089.3	4147.9	4171.3	4125.9
22.5°	4632.7	4588.8	4563.9	4464.3	4424.7	4427.7	4489.2	4560.9	4580.0	4499.4
25°	5346.0	5277.2	5243.5	5097.0	5007.7	4930.0	4978.4	5070.6	5097.0	4997.4
27.5°	6059.3	6063.7	6031.5	5855.7	5707.8	5565.7	5540.8	5637.5	5665.3	5552.5
30°	7059.7	6955.7	6894.1	6683.2	6472.3	6273.1	6170.6	6210.2	6217.5	6082.7
32.5°	7922.3	7896.0	7764.2	7579.6	7308.6	6996.7	6825.3	6762.3	6750.6	6558.7
35°	8905.1	8890.5	8751.3	8531.6	8238.7	7805.2	7496.1	7316.0	7301.3	7031.8
37.5°	9904.0	9904.0	9767.8	9527.6	9224.4	8682.5	8212.3	7926.7	7879.9	7528.3
40°	10700.8	10652.5	10677.4	10576.3	10229.2	9653.6	9007.6	8593.1	8530.2	8108.3
42.5°	11153.4	11137.3	11286.7	11399.4	11257.4	10797.5	9883.5	9315.2	9227.3	8746.9
45°	11254.4	11236.9	11503.4	11916.5	12115.7	11926.7	10835.5	10075.4	9968.5	9414.8
47.5°	11021.6	10986.4	11377.5	12029.2	12667.8	13000.3	11866.7	10900.0	10744.7	10065.1
50°	10321.4	10287.8	10879.5	11745.1	12853.8	13729.7	12985.7	11774.4	11537.1	10762.3
52.5°	8799.7	8815.8	9742.9	10932.2	12609.2	14183.7	13949.4	12695.7	12410.0	11475.6
55°	6854.6	6889.8	8029.3	9338.7	11630.8	14114.9	14607.0	13644.8	13360.6	12146.4
57.5°	4908.1	5063.3	6131.1	7427.3	9751.7	13023.7	14750.6	14547.0	14271.6	12878.7
60°	3181.2	3209.1	4307.6	5614.0	7425.8	11084.5	14459.1	15231.0	15015.7	13625.7
62.5°	2038.8	2057.8	2727.2	3926.7	5344.5	8200.6	13477.8	15528.3	15462.4	14119.3
65°	1498.3	1483.7	1832.3	2595.4	3600.1	5057.5	11572.3	15384.8	15515.1	14428.3
67.5°	1250.8	1230.3	1401.7	1797.1	2652.5	2872.2	8562.4	14451.8	14929.3	14393.2
70°	1139.5	1121.9	1225.9	1334.3	2069.6	1923.1	4316.3	12563.8	13299.1	13993.3
72.5°	965.2	934.5	1076.5	1184.9	1609.7	1474.9	1784.0	9650.6	10547.0	12711.8
75°	748.4	727.9	849.5	1042.8	1209.8	1151.2	1127.8	5860.1	6838.5	9830.8
77.5°	593.2	565.4	676.7	812.9	1088.2	868.5	821.7	2523.6	3493.2	6276.1
80°	446.7	421.8	514.1	643.0	836.3	654.7	531.7	1029.7	1316.7	3179.8
82.5°	317.8	295.9	358.8	471.6	562.4	587.3	326.6	577.1	648.8	1225.9
85°	203.6	190.4	240.2	295.9	357.4	377.9	199.2	301.7	331.0	505.3
87.5°	111.3	90.8	128.9	137.7	165.5	150.9	95.2	109.8	118.6	183.1
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°
3110.9	0°	3110.9	3110.9	3110.9	3110.9	3110.9	3110.9	3110.9	3110.9	3110.9	3110.9
3116.8	2.5°	3122.7	3127.0	3141.7	3146.1	3156.3	3169.5	3178.3	3187.1	3187.1	3195.9
3163.7	5°	3165.1	3175.4	3206.1	3222.2	3248.6	3275.0	3291.1	3310.1	3321.8	3327.7
3238.4	7.5°	3247.1	3263.3	3307.2	3335.0	3380.4	3417.0	3441.9	3468.3	3474.2	3490.3
3342.3	10°	3358.5	3377.5	3427.3	3480.0	3534.2	3579.6	3603.1	3622.1	3629.4	3632.4
3475.6	12.5°	3485.9	3513.7	3578.2	3642.6	3699.7	3739.3	3745.1	3740.7	3720.2	3702.7
3639.7	15°	3642.6	3667.5	3739.3	3809.6	3865.2	3872.6	3835.9	3812.5	3787.6	3783.2
3822.8	17.5°	3830.1	3843.3	3909.2	3978.0	3982.4	3957.5	3903.3	3881.3	3857.9	3841.8
4061.5	20°	4048.3	4043.9	4090.8	4120.1	4089.3	4013.2	3931.1	3894.5	3871.1	3852.1
4354.4	22.5°	4309.0	4275.3	4269.5	4262.2	4180.1	4020.5	3909.2	3862.3	3825.7	3799.3
4763.1	25°	4688.4	4559.5	4470.1	4420.3	4235.8	3980.9	3838.9	3734.9	3666.0	3620.6
5262.5	27.5°	5162.9	4946.2	4720.6	4599.0	4235.8	3900.4	3669.0	3500.5	3387.8	3340.9
5745.9	30°	5615.5	5388.5	5056.0	4814.3	4225.5	3768.6	3395.1	3160.7	3028.9	2982.0
6158.9	32.5°	6002.2	5754.6	5411.9	5050.1	4200.6	3554.7	3055.3	2796.0	2668.6	2613.0
6567.5	35°	6361.0	6097.4	5769.3	5309.4	4134.7	3241.3	2681.8	2484.1	2342.0	2252.6
6983.5	37.5°	6728.6	6415.2	6107.6	5543.7	4016.1	2875.1	2394.7	2226.3	2059.3	1939.2
7425.8	40°	7128.5	6753.5	6469.4	5682.9	3821.3	2526.5	2172.1	2018.3	1841.1	1713.6
7935.5	42.5°	7595.7	7159.2	6872.2	5754.6	3554.7	2279.0	2027.1	1876.2	1709.3	1605.3
8481.8	45°	8083.4	7606.0	7239.8	5753.2	3257.4	2163.3	1980.2	1830.8	1646.3	1537.9
9042.8	47.5°	8594.6	8073.2	7557.6	5659.4	2999.6	2179.4	1953.9	1732.7	1529.1	1423.6
9609.6	50°	9107.2	8584.4	7865.2	5483.7	2889.8	2144.3	1855.7	1595.0	1354.8	1259.6
10141.3	52.5°	9615.5	9127.7	8130.3	5233.2	2778.5	2013.9	1729.8	1416.3	1283.0	1217.1
10690.5	55°	10126.6	9665.3	8418.9	4868.5	2500.2	1861.6	1518.9	1349.0	1225.9	1165.9
11228.1	57.5°	10639.3	10286.3	8692.7	4503.8	2150.1	1674.1	1403.1	1266.9	1168.8	1117.5
11677.7	60°	11172.4	10996.7	8975.4	4168.4	1804.5	1433.9	1318.2	1201.0	1101.4	1044.3
12109.8	62.5°	11721.7	11778.8	9196.6	3736.3	1486.6	1287.4	1242.0	1121.9	1025.3	971.1
12467.2	65°	12275.3	12533.1	9341.6	3137.3	1205.4	1148.3	1160.0	1035.5	937.4	890.5
12729.3	67.5°	12692.7	13076.5	9300.6	2374.2	988.6	1016.5	1057.5	944.7	852.4	815.8
12686.9	70°	12739.6	13012.0	8896.3	1625.8	827.5	887.6	943.2	855.4	760.2	733.8
12089.3	72.5°	12115.7	12133.2	7770.0	1061.9	700.1	779.2	823.1	764.6	672.3	645.9
10576.3	75°	10479.6	10034.4	5704.8	700.1	585.9	669.3	710.4	669.3	580.0	585.9
7913.5	77.5°	7939.9	7106.5	3463.9	498.0	489.2	562.4	618.1	588.8	512.6	575.6
3979.5	80°	4090.8	3844.7	1545.2	372.0	386.7	449.7	508.2	470.2	405.7	386.7
889.0	82.5°	937.4	1089.7	609.3	266.6	279.7	323.7	388.1	353.0	291.5	246.1
370.6	85°	328.1	358.8	269.5	167.0	164.0	202.1	263.6	235.8	197.7	158.2
156.7	87.5°	104.0	136.2	101.1	67.4	70.3	90.8	121.6	111.3	92.3	60.1
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>
3110.9
3195.9
3330.6
3484.4
3625.0
3702.7
3783.2
3843.3
3853.5
3808.1
3638.2
3364.3
3009.9
2640.8
2281.9
1971.4
1738.5
1625.8
1555.5
1438.3
1265.5
1217.1
1160.0
1108.7
1039.9
969.6
889.0
817.3
735.3
644.4
565.4
506.8
353.0
243.1
167.0
63.0
0.0

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