

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: P954204

Luminaire Tested: **GALN-SB7C-740-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954204  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-740-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

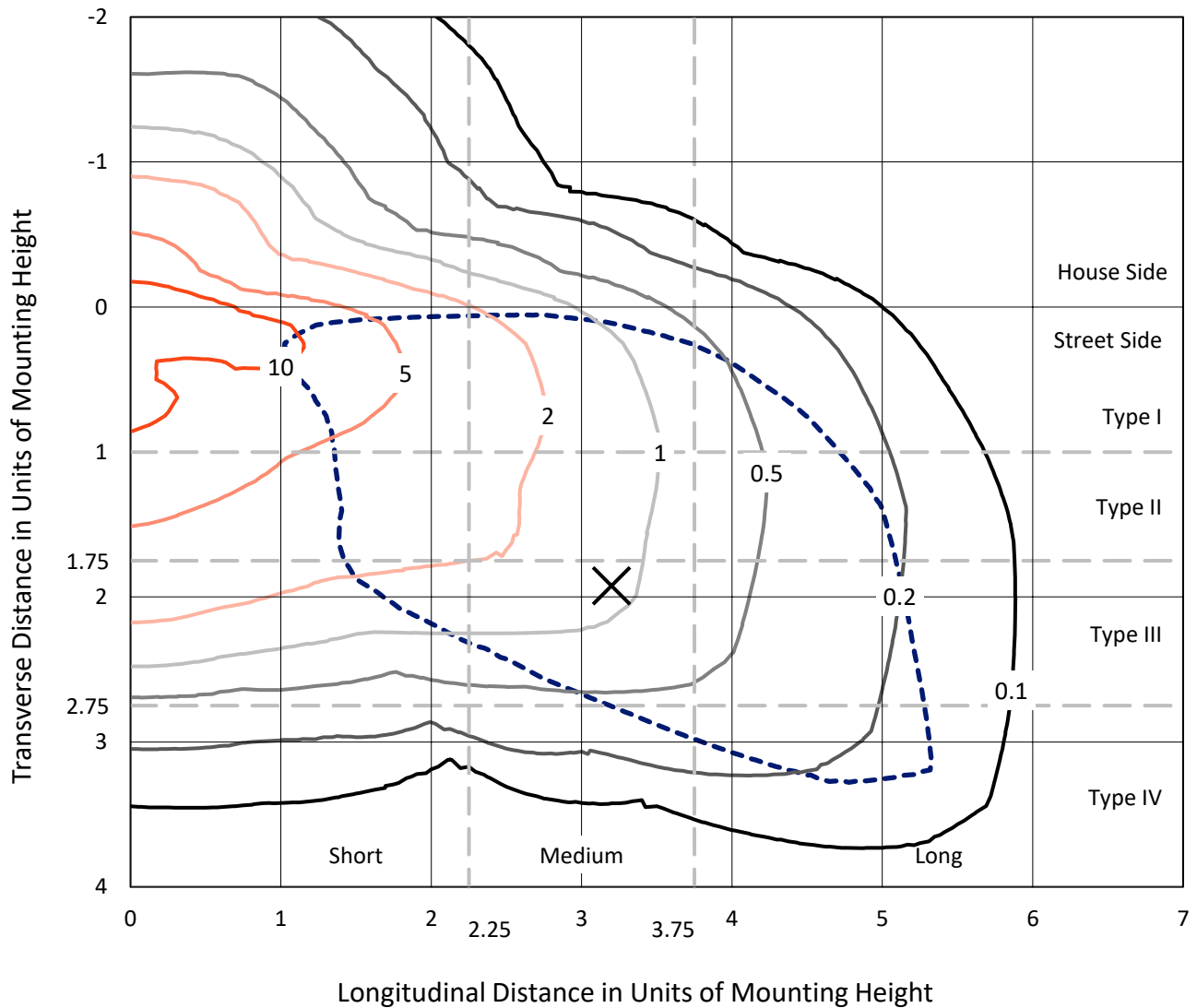
Lumens per Lamp: N/A  
Luminaire Lumens: 55070 lumens  
Efficiency: N/A  
Efficacy: 157.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

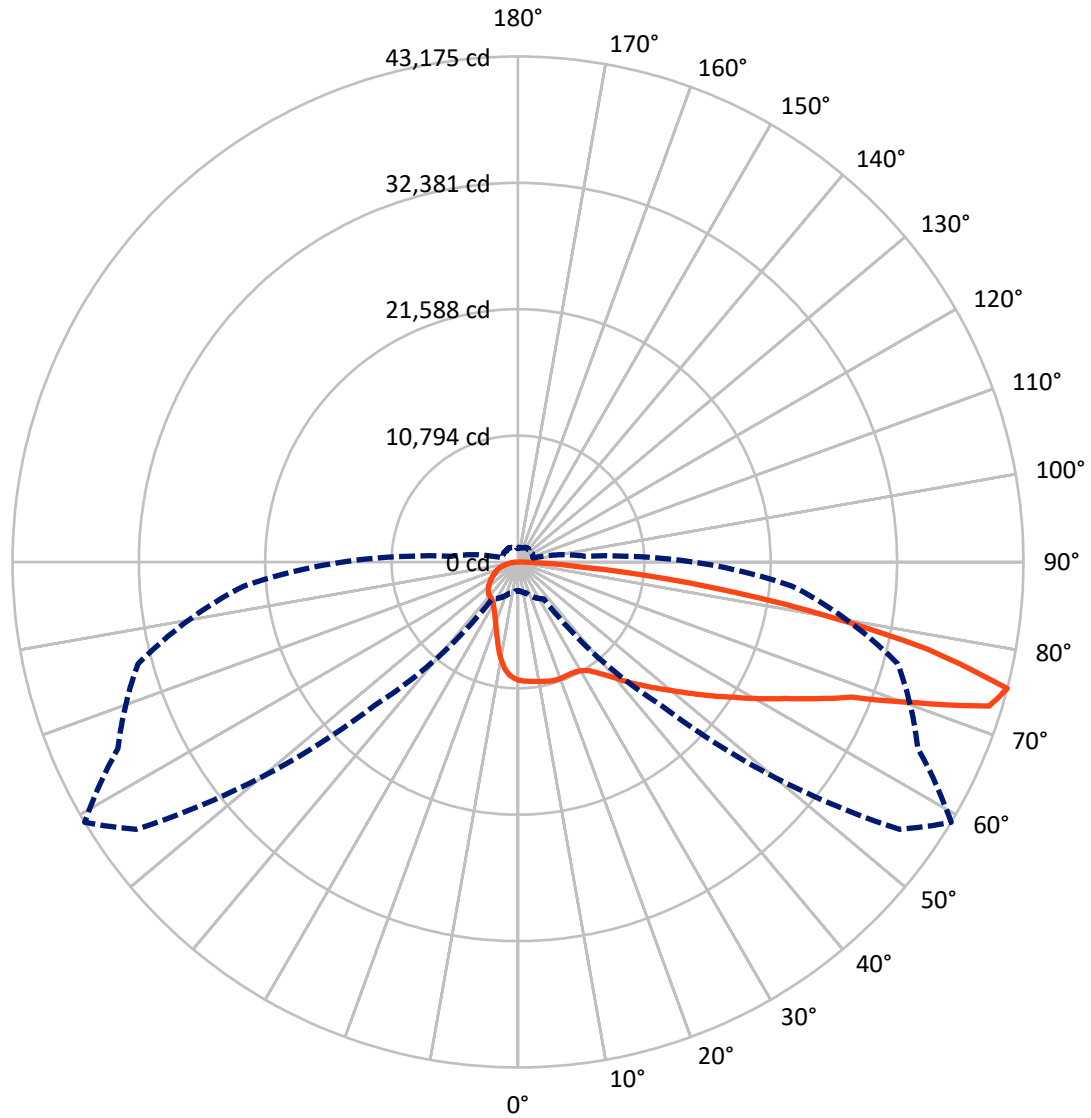
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10328.8	0.0	10328.8
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	44741.2	0.0	44741.2
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	55070.0	0.0	55070.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	906.3	1.6
10°-20°	2316.7	4.2
20°-30°	3518.8	6.4
30°-40°	5230.7	9.5
40°-50°	7778.9	14.1
50°-60°	10558.9	19.2
60°-70°	12890.7	23.4
70°-80°	10116.5	18.4
80°-90°	1752.4	3.2
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°	55070.0	100.0
0°-180°	55070.0	100.0

**Coefficient of Utilization**



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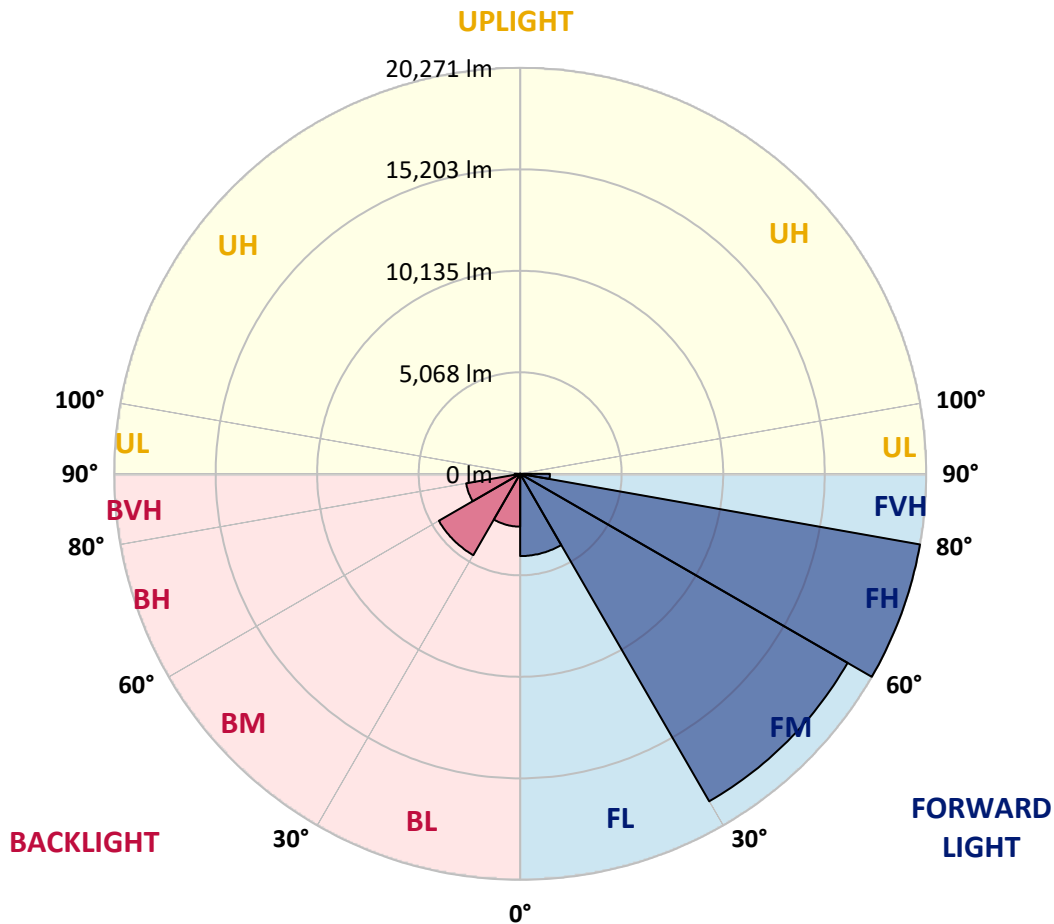
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4106.1	7.5			
FM (30°-60°)	18880.3	34.3			
FH (60°-80°)	20270.7	36.8			G5
FVH (80°-90°)	1484.2	2.7			G5
BL (0°-30°)	2635.8	4.8	B4/5000		
BM (30°-60°)	4688.2	8.5	B3/5000		
BH (60°-80°)	2736.5	5.0	B4/5000		G4/5000
BVH (80°-90°)	268.3	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 IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	10108.0	10108.0	10108.0	10108.0	10108.0	10108.0	10108.0	10108.0	10108.0	10108.0
2.5°	10193.9	10158.3	10193.9	10179.1	10173.2	10161.3	10164.3	10185.0	10173.2	10188.0
5°	10125.8	10105.0	10140.6	10131.7	10170.2	10176.1	10214.6	10238.3	10253.1	10256.1
7.5°	10013.2	9992.4	10042.8	10084.3	10167.2	10190.9	10270.9	10309.4	10330.2	10365.7
10°	9601.4	9592.5	9716.9	9873.9	10069.5	10190.9	10312.4	10377.6	10410.1	10504.9
12.5°	8872.6	8884.5	9047.4	9349.6	9740.6	10131.7	10359.8	10454.6	10504.9	10623.4
15°	8176.4	8173.5	8351.2	8674.1	9222.2	9871.0	10383.5	10546.4	10632.3	10807.1
17.5°	7773.5	7761.7	7886.1	8132.0	8641.5	9471.0	10324.2	10596.8	10780.5	10999.7
20°	7699.5	7675.8	7741.0	7862.4	8223.8	9032.6	10170.2	10596.8	10899.0	11183.4
22.5°	7969.1	7930.6	7903.9	7889.1	8049.1	8671.2	9995.4	10561.2	11073.7	11447.0
25°	8511.2	8452.0	8315.7	8182.4	8135.0	8508.2	9841.4	10552.3	11334.4	11802.5
27.5°	9388.1	9314.0	9038.5	8718.6	8431.2	8591.2	9773.2	10605.7	11621.8	12178.7
30°	10475.3	10395.3	10048.7	9557.0	9041.5	8899.3	9859.1	10762.7	11989.1	12679.4
32.5°	11450.0	11361.1	11064.9	10564.2	9868.0	9432.5	10131.7	11061.9	12566.8	13375.6
35°	12315.0	12211.3	11944.7	11482.6	10881.2	10182.0	10623.4	11592.2	13387.4	14507.3
37.5°	13162.3	13040.8	12750.5	12261.7	11841.0	11180.4	11301.9	12273.5	14477.6	15881.8
40°	14110.3	13935.5	13583.0	13100.1	12691.3	12350.6	12193.6	13109.0	15585.6	17416.4
42.5°	15028.7	14862.8	14442.1	14030.3	13517.8	13420.0	13227.5	14086.6	16797.3	19102.1
45°	16018.1	15819.6	15310.1	14788.7	14465.8	14131.0	14228.8	15064.2	17985.2	20820.3
47.5°	16945.4	16723.2	16121.8	15541.2	15363.4	14729.4	15147.2	16139.6	19220.6	22562.2
50°	17446.0	17226.8	16726.2	16201.8	16062.6	15467.1	16142.5	17321.6	20515.2	24298.2
52.5°	17863.7	17626.7	16972.0	16681.7	16640.2	16269.9	17369.0	18672.5	21809.8	25832.8
55°	18308.1	18044.5	17209.0	16948.3	17137.9	17170.5	18823.6	20204.1	23178.4	27328.9
57.5°	18820.6	18485.9	17437.1	17173.5	17623.8	18225.2	20494.4	21792.0	24523.4	28715.3
60°	19303.5	18965.8	17875.6	17531.9	18148.1	19448.7	22411.1	23714.6	26046.1	29950.7
62.5°	19398.3	19119.8	18225.2	18222.2	18859.1	20876.6	24680.4	25655.1	27376.3	31171.2
65°	17757.1	17582.3	17052.0	18195.5	19878.2	22932.5	27207.4	28137.6	29067.8	32237.7
67.5°	13514.8	13538.5	13500.0	15707.1	19054.7	25886.1	30866.1	30795.0	31156.4	33434.5
70°	6179.7	6319.0	7225.5	10842.7	15265.7	26226.8	36915.4	35994.1	33778.2	34983.9
72.5°	3338.7	3445.4	3815.7	5252.5	9177.8	23317.7	41436.2	42090.9	37265.0	36026.7
75°	2450.0	2509.2	2767.0	3338.7	3854.2	17330.5	39815.7	43175.2	37700.5	33594.5
77.5°	1833.8	1860.4	2070.8	2645.5	1973.0	9136.3	31814.1	35757.1	32273.2	27601.4
80°	1330.2	1359.8	1516.8	1984.9	1383.5	3341.7	21845.3	25098.1	22103.1	17594.2
82.5°	918.4	930.2	998.4	1350.9	965.8	1297.6	12395.0	14717.6	12338.7	6173.8
85°	554.0	568.8	598.4	788.0	548.1	616.2	5350.2	5533.9	3688.3	1475.3
87.5°	228.1	242.9	266.6	331.8	216.3	171.8	882.8	1108.0	690.3	432.5
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°
10108.0	0°	10108.0	10108.0	10108.0	10108.0	10108.0	10108.0	10108.0	10108.0	10108.0	10108.0
10137.6	2.5°	10122.8	10102.1	10045.8	9968.7	9897.6	9808.8	9770.3	9737.7	9708.0	9651.8
10217.6	5°	10185.0	10128.7	9977.6	9782.1	9559.9	9317.0	9080.0	8917.1	8777.8	8674.1
10309.4	7.5°	10279.8	10173.2	9897.6	9497.7	8988.2	8466.8	7995.7	7661.0	7409.2	7317.3
10439.8	10°	10377.6	10250.2	9770.3	9065.2	8185.3	7382.5	6757.4	6413.8	6212.3	6147.1
10593.8	12.5°	10493.1	10306.5	9571.8	8463.8	7287.7	6407.8	5862.7	5661.3	5557.6	5522.1
10783.4	15°	10662.0	10353.9	9272.6	7711.3	6431.5	5696.8	5344.3	5205.1	5151.7	5148.8
10978.9	17.5°	10789.3	10362.7	8807.4	6905.5	5773.9	5267.3	4977.0	4923.6	4959.2	5012.5
11171.5	20°	10931.5	10282.8	8197.2	6170.8	5311.7	4891.1	4769.6	4805.1	4891.1	4968.1
11426.3	22.5°	11032.3	10137.6	7459.5	5599.1	4911.8	4674.8	4668.9	4742.9	4790.3	4828.8
11725.5	25°	11121.1	9891.7	6677.4	5119.2	4583.0	4544.4	4609.6	4585.9	4553.3	4585.9
12024.7	27.5°	11186.3	9503.6	5978.3	4698.5	4351.9	4455.6	4417.1	4363.7	4360.8	4378.5
12377.2	30°	11165.6	8985.2	5403.6	4298.6	4188.9	4289.7	4197.8	4188.9	4180.1	4188.9
12907.5	32.5°	11165.6	8395.7	4962.2	4023.0	4085.3	4046.7	4037.9	4017.1	3981.6	3978.6
13627.4	35°	11227.8	7806.1	4583.0	3874.9	3999.3	3907.5	3913.4	3863.1	3789.0	3753.5
14581.3	37.5°	11355.2	7332.1	4206.7	3803.8	3848.3	3845.3	3821.6	3735.7	3605.3	3492.8
15772.2	40°	11663.3	7192.9	3949.0	3771.2	3777.2	3812.7	3750.5	3584.6	3288.4	3104.7
16980.9	42.5°	12146.2	7426.9	3892.7	3691.2	3729.8	3765.3	3643.8	3258.7	3048.4	2938.8
18248.9	45°	12759.4	7835.8	4014.2	3575.7	3617.2	3679.4	3318.0	3134.3	3039.5	3042.5
19505.0	47.5°	13535.6	8265.3	4239.3	3475.0	3454.2	3489.8	3101.7	2989.1	2858.8	2891.4
20710.7	50°	14433.2	8700.8	4452.6	3338.7	3273.5	3158.0	2962.5	2855.8	2689.9	2612.9
21874.9	52.5°	15404.9	9121.5	4538.5	3172.8	3078.0	2944.7	2867.7	2737.3	2535.9	2408.5
22974.0	55°	16326.2	9503.6	4443.7	2974.3	2882.5	2778.8	2767.0	2687.0	2470.7	2293.0
23951.6	57.5°	17197.2	9823.6	4206.7	2772.9	2684.0	2621.8	2701.8	2663.3	2390.7	2162.6
24875.9	60°	17934.8	10042.8	3863.1	2568.5	2506.3	2473.7	2595.1	2583.3	2278.1	2023.4
25705.4	62.5°	18521.4	10128.7	3483.9	2372.9	2358.1	2298.9	2447.0	2447.0	2135.9	1887.1
26434.2	65°	18980.6	10045.8	3098.8	2180.4	2210.0	2121.1	2266.3	2248.5	1984.9	1765.6
27272.6	67.5°	19386.5	9773.2	2672.2	1990.8	2058.9	1946.3	2076.7	2035.2	1819.0	1644.2
27998.4	70°	19567.2	9139.2	2186.3	1801.2	1884.1	1774.5	1887.1	1810.1	1632.3	1513.8
27201.5	72.5°	18115.6	7595.8	1721.2	1602.7	1673.8	1584.9	1682.7	1593.8	1430.9	1377.6
23489.5	75°	14987.2	5699.8	1324.2	1386.4	1439.8	1371.6	1436.8	1371.6	1223.5	1262.0
17351.2	77.5°	10884.1	3848.3	1013.2	1158.3	1182.0	1146.5	1202.8	1128.7	995.4	986.5
8647.5	80°	5412.4	2254.4	793.9	915.4	906.5	882.8	948.0	912.4	799.9	847.3
2334.4	82.5°	1567.2	965.8	577.7	642.9	625.1	631.0	678.4	696.2	1042.8	1033.9
725.8	85°	491.8	379.2	346.6	358.5	340.7	349.6	399.9	793.9	734.7	429.6
225.1	87.5°	127.4	130.3	85.9	91.8	94.8	112.6	127.4	482.9	231.1	151.1
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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180°
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10108.0
9625.1
8588.2
7157.3
6046.4
5530.9
5160.6
5033.3
4994.7
4849.6
4606.7
4408.2
4221.5
4017.1
3789.0
3531.3
3128.4
2938.8
3057.3
2974.3
2633.6
2405.5
2293.0
2150.8
2014.5
1878.2
1753.8
1632.3
1490.1
1333.1
1152.4
942.1
838.4
1057.6
465.1
160.0
0.0

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