

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: P955806

Luminaire Tested: **GALN-SB8C-927-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955806  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8C-927-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

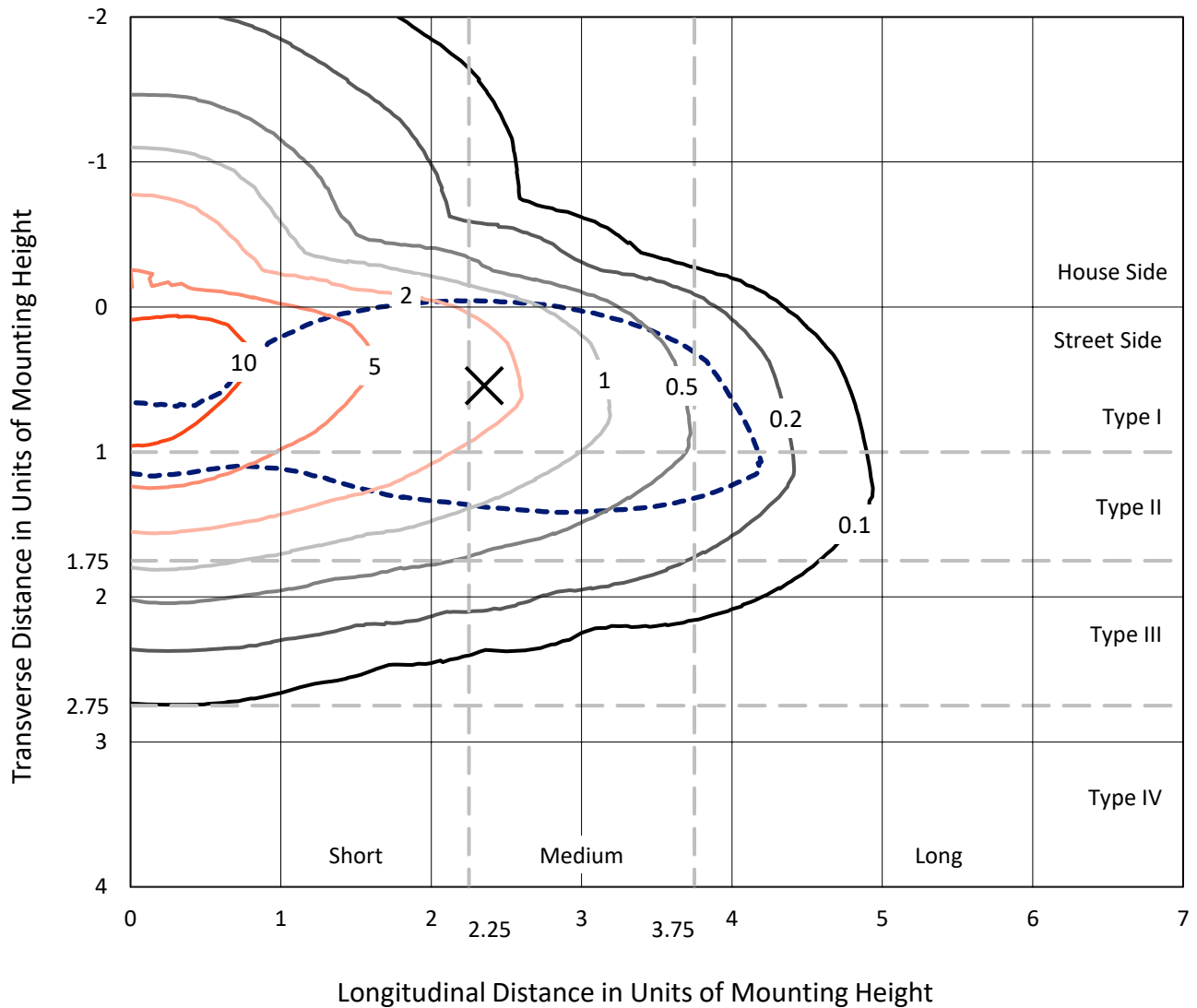
Lumens per Lamp: N/A  
Luminaire Lumens: 37545 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): 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

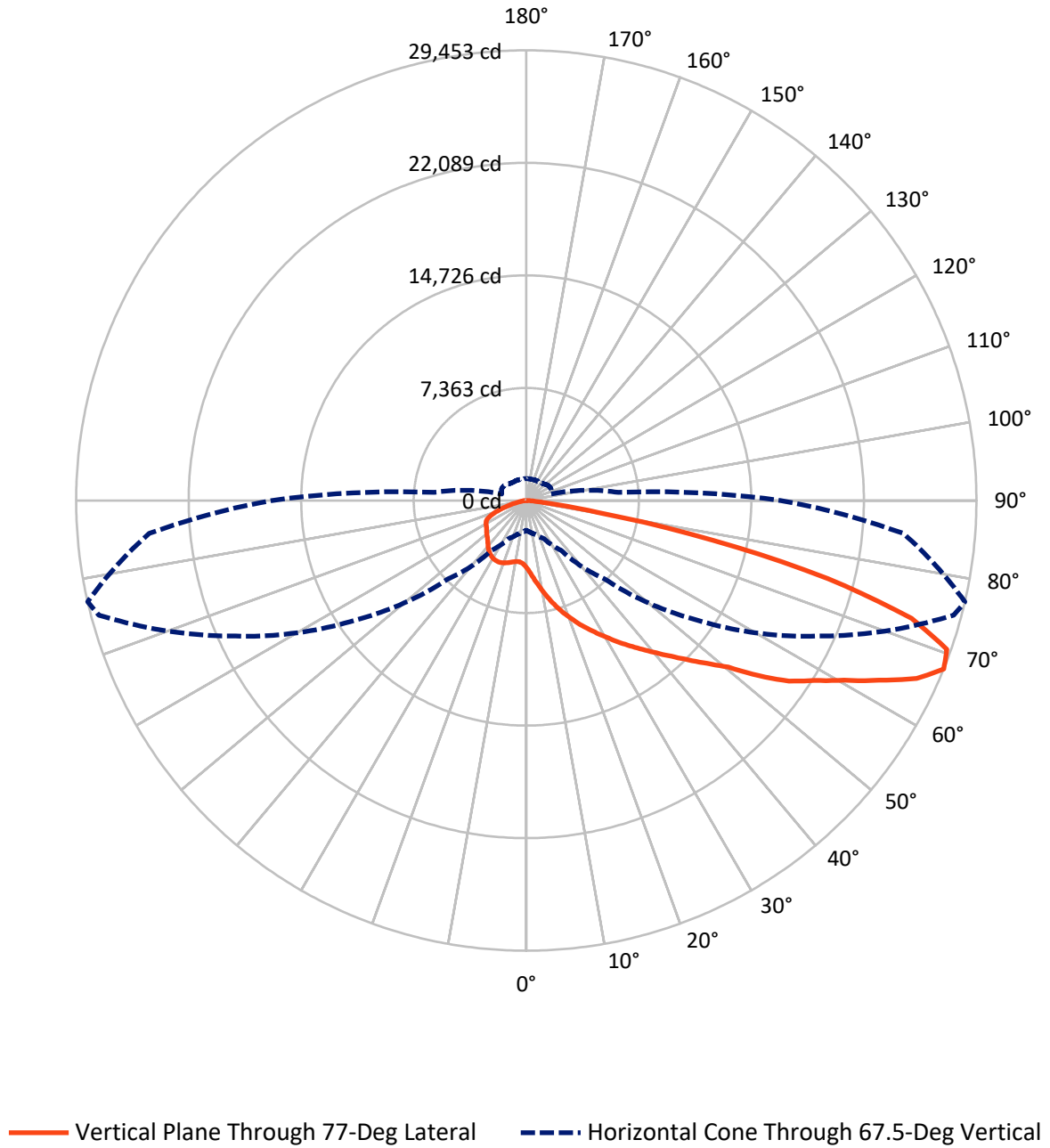
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7102.0	0.0	7102.0
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	30443.0	0.0	30443.0
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	37545.0	0.0	37545.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	472.2	1.3
10°-20°	1696.3	4.5
20°-30°	3202.9	8.5
30°-40°	5159.8	13.7
40°-50°	7057.6	18.8
50°-60°	7961.0	21.2
60°-70°	7430.6	19.8
70°-80°	4073.2	10.8
80°-90°	491.3	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°	37545.0	100.0
0°-180°	37545.0	100.0



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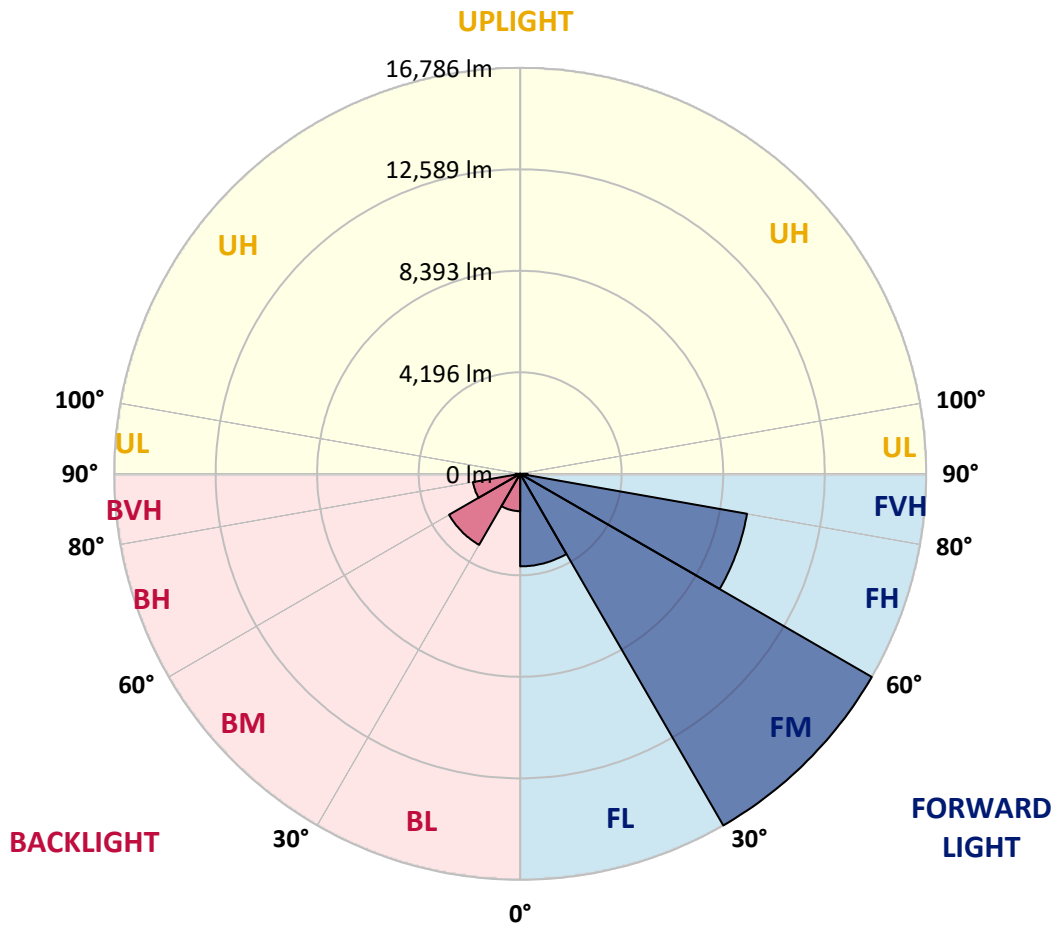
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3827.2	10.2			
FM (30°-60°)	16786.0	44.7			
FH (60°-80°)	9522.5	25.4			G4/12000
FVH (80°-90°)	307.3	0.8			G3/500
BL (0°-30°)	1544.1	4.1	B3/2500		
BM (30°-60°)	3392.5	9.0	B3/5000		
BH (60°-80°)	1981.4	5.3	B3/2500		G3/2500
BVH (80°-90°)	184.1	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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4405.2	4405.2	4405.2	4405.2	4405.2	4405.2	4405.2	4405.2	4405.2	4405.2
2.5°	5515.7	5554.5	5506.0	5506.0	5343.2	5257.9	5095.1	4971.1	4748.2	4709.5
5°	6519.6	6568.1	6500.2	6471.2	6279.3	6102.9	5829.7	5560.3	5163.0	5122.3
7.5°	7296.8	7358.8	7298.7	7267.7	7097.2	6899.5	6579.7	6203.7	5643.6	5564.2
10°	7930.5	7940.2	7920.8	7932.5	7798.7	7635.9	7308.4	6870.4	6170.8	6062.2
12.5°	8289.1	8333.6	8372.4	8442.2	8418.9	8318.1	8023.5	7500.3	6728.9	6589.4
15°	8457.7	8535.2	8622.4	8783.3	8913.1	8938.3	8713.5	8176.6	7296.8	7128.2
17.5°	8517.7	8591.4	8729.0	8961.6	9240.6	9428.6	9327.9	8833.6	7858.8	7665.0
20°	8822.0	8843.3	8926.7	9147.6	9449.9	9762.0	9837.6	9465.5	8415.0	8196.0
22.5°	9473.2	9430.6	9453.8	9554.6	9771.7	10074.0	10246.5	10023.6	8986.8	8734.8
25°	10548.8	10424.8	10300.8	10184.5	10294.9	10465.5	10661.2	10581.8	9585.6	9265.8
27.5°	11907.4	11756.2	11483.0	11101.2	10967.4	11027.5	11114.7	11099.2	10139.9	9816.2
30°	13244.7	13068.3	12742.7	12190.4	11837.6	11678.7	11612.8	11568.2	10742.6	10397.7
32.5°	14312.5	14173.0	13853.2	13235.0	12723.3	12452.0	12233.0	12074.1	11372.5	11027.5
35°	15246.7	15116.8	14750.5	14076.1	13519.9	13231.1	12944.3	12605.1	12027.6	11678.7
37.5°	16099.4	15969.6	15467.6	14766.0	14205.9	14006.3	13750.5	13174.9	12684.6	12355.1
40°	16638.2	16609.1	16140.1	15345.5	14764.1	14665.2	14580.0	13835.8	13413.3	13107.1
42.5°	16775.8	16839.7	16467.6	15814.5	15260.2	15180.8	15380.4	14583.9	14231.1	13938.5
45°	16444.4	16628.5	16384.3	15940.5	15613.0	15570.3	16089.7	15401.7	15136.2	14868.7
47.5°	15605.2	15917.2	15816.5	15754.4	15707.9	15892.0	16713.8	16270.0	16161.4	15928.9
50°	13911.3	14502.5	14678.8	15070.3	15519.9	16142.0	17281.6	17217.7	17359.1	17124.6
52.5°	10982.9	11796.9	12820.2	13800.9	14942.4	16058.7	17905.7	18578.2	19175.1	19047.2
55°	9066.2	9432.5	10219.4	12017.9	13822.2	15707.9	18186.7	19677.1	20977.5	20863.1
57.5°	7593.3	7920.8	8405.3	9907.3	12128.3	14911.4	18361.1	20347.6	22212.0	22200.4
60°	6013.8	6360.7	6856.8	7920.8	10149.6	13535.4	18322.4	21111.2	23787.7	23884.6
62.5°	4230.8	4612.6	5163.0	6155.3	8128.2	11752.4	17531.6	21663.6	25642.4	25906.0
65°	2781.1	3033.1	3447.8	4304.4	6056.4	9459.6	16021.9	21735.3	27626.9	28072.7
67.5°	1949.7	2046.6	2290.8	2755.9	3992.4	7254.1	13616.8	20993.0	28950.6	29452.6
70°	1521.4	1569.8	1693.9	1879.9	2507.8	4878.1	10434.5	19062.7	28667.7	29191.0
72.5°	1314.0	1360.5	1407.0	1430.3	1682.2	3011.7	7068.1	15938.5	26002.9	26357.5
75°	1191.9	1203.5	1242.3	1234.5	1283.0	1953.6	4079.6	11612.8	20516.2	20394.1
77.5°	1002.0	1017.5	1081.4	1071.7	1139.6	1335.3	2118.3	7494.5	13300.9	12471.4
80°	848.9	856.6	926.4	914.8	990.3	967.1	1081.4	3819.9	5641.7	4779.2
82.5°	294.6	364.4	707.4	728.7	755.8	585.3	624.1	1558.2	1722.9	1319.8
85°	143.4	153.1	360.5	511.6	509.7	294.6	304.3	556.2	542.7	426.4
87.5°	23.3	29.1	42.6	199.6	158.9	77.5	104.7	108.5	112.4	96.9
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°
4405.2	0°	4405.2	4405.2	4405.2	4405.2	4405.2	4405.2	4405.2	4405.2	4405.2	4405.2
4562.2	2.5°	4453.6	4356.7	4153.2	3965.3	3818.0	3676.5	3597.0	3529.2	3490.4	3482.7
4775.4	5°	4573.8	4374.2	4004.0	3692.0	3488.5	3337.3	3257.9	3207.5	3182.3	3166.8
5062.2	7.5°	4746.3	4453.6	3926.5	3571.8	3358.6	3250.1	3209.4	3201.7	3199.7	3201.7
5409.1	10°	4984.7	4583.5	3918.7	3542.8	3364.5	3304.4	3302.4	3304.4	3312.1	3314.1
5787.0	12.5°	5242.4	4717.2	3949.8	3568.0	3438.1	3405.2	3399.3	3397.4	3403.2	3407.1
6168.8	15°	5523.5	4893.6	4002.1	3622.2	3519.5	3484.6	3478.8	3467.2	3465.2	3463.3
6570.0	17.5°	5812.2	5068.0	4060.2	3680.4	3571.8	3523.4	3502.1	3474.9	3453.6	3447.8
6984.7	20°	6104.9	5240.5	4100.9	3709.4	3575.7	3507.9	3465.2	3418.7	3381.9	3360.6
7403.4	22.5°	6416.9	5420.7	4126.1	3701.7	3540.8	3447.8	3370.3	3316.0	3259.8	3223.0
7825.9	25°	6721.2	5577.7	4124.2	3661.0	3473.0	3354.8	3255.9	3186.2	3108.6	3069.9
8261.9	27.5°	7013.8	5719.2	4075.7	3589.3	3376.1	3244.3	3126.1	3042.7	2967.2	2930.3
8701.9	30°	7316.2	5837.4	4000.1	3484.6	3261.7	3116.4	2986.5	2914.8	2847.0	2812.1
9167.0	32.5°	7616.5	5945.9	3893.5	3354.8	3130.0	2990.4	2862.5	2796.6	2755.9	2755.9
9667.0	35°	7934.4	6021.5	3752.1	3203.6	2990.4	2856.7	2755.9	2717.2	2713.3	2690.0
10196.1	37.5°	8269.7	6070.0	3579.6	3048.6	2852.8	2726.8	2695.8	2649.3	2610.6	2560.2
10777.5	40°	8622.4	6118.4	3372.2	2887.7	2707.5	2637.7	2624.1	2562.1	2451.6	2327.6
11436.5	42.5°	9050.7	6151.4	3157.1	2726.8	2554.4	2531.1	2550.5	2443.9	2267.5	2174.5
12231.1	45°	9546.9	6205.6	2959.4	2567.9	2397.4	2397.4	2478.8	2339.2	2193.9	2135.7
13138.1	47.5°	10190.3	6331.6	2775.3	2393.5	2252.0	2290.8	2319.8	2213.3	2131.9	2060.2
14242.8	50°	11120.5	6634.0	2585.4	2217.1	2141.5	2219.1	2178.4	2116.4	2021.4	1963.2
15998.6	52.5°	12275.6	6812.3	2416.8	2058.2	2046.6	2124.1	2066.0	2007.8	1936.1	1858.6
17330.1	55°	13062.5	6845.2	2275.3	1941.9	1982.6	1974.9	1953.6	1901.2	1862.5	1759.8
18644.1	57.5°	13942.4	6911.1	2159.0	1872.2	1941.9	1856.7	1848.9	1804.3	1753.9	1684.2
20246.8	60°	14994.7	7013.8	2058.2	1845.0	1907.0	1779.1	1740.4	1722.9	1672.5	1637.7
22175.2	62.5°	16142.0	7106.8	1955.5	1848.9	1866.3	1703.5	1645.4	1639.6	1608.6	1597.0
23985.3	65°	16925.0	6853.0	1827.6	1845.0	1802.4	1626.0	1552.4	1550.4	1525.2	1521.4
24770.3	67.5°	16651.8	6048.7	1655.1	1790.8	1736.5	1548.5	1467.1	1459.4	1426.4	1428.3
23950.5	70°	15283.5	4901.3	1416.7	1657.0	1655.1	1478.7	1378.0	1352.8	1308.2	1315.9
20824.4	72.5°	12717.5	3631.9	1096.9	1434.2	1525.2	1414.8	1275.2	1234.5	1178.3	1186.1
15372.6	75°	9184.4	2469.1	798.5	1091.1	1327.6	1339.2	1174.5	1104.7	1036.9	1048.5
8556.5	77.5°	4699.8	1399.3	587.2	752.0	1042.7	1217.1	1083.4	990.3	974.8	1083.4
2467.1	80°	1533.0	701.6	407.0	527.2	684.1	996.2	949.6	843.1	839.2	864.4
517.5	82.5°	457.4	296.5	261.6	346.9	377.9	763.6	819.8	637.6	548.5	577.5
172.5	85°	157.0	143.4	149.2	172.5	180.2	447.7	573.7	422.5	399.2	439.9
38.8	87.5°	36.8	50.4	42.6	38.8	38.8	108.5	222.9	176.4	244.2	162.8
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°
4405.2
3482.7
3164.8
3207.5
3316.0
3409.0
3461.4
3453.6
3368.3
3224.9
3069.9
2928.4
2810.2
2757.8
2684.2
2552.4
2310.2
2176.4
2145.4
2058.2
1957.4
1843.1
1761.7
1660.9
1647.3
1597.0
1519.4
1428.3
1323.7
1184.2
1052.4
1067.9
742.3
596.9
434.1
157.0
0.0

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