

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: P954420

Luminaire Tested: **GALN-SB7C-935-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954420
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-SB7C-935-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37738 lumens
Efficiency: N/A
Efficacy: 107.7 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

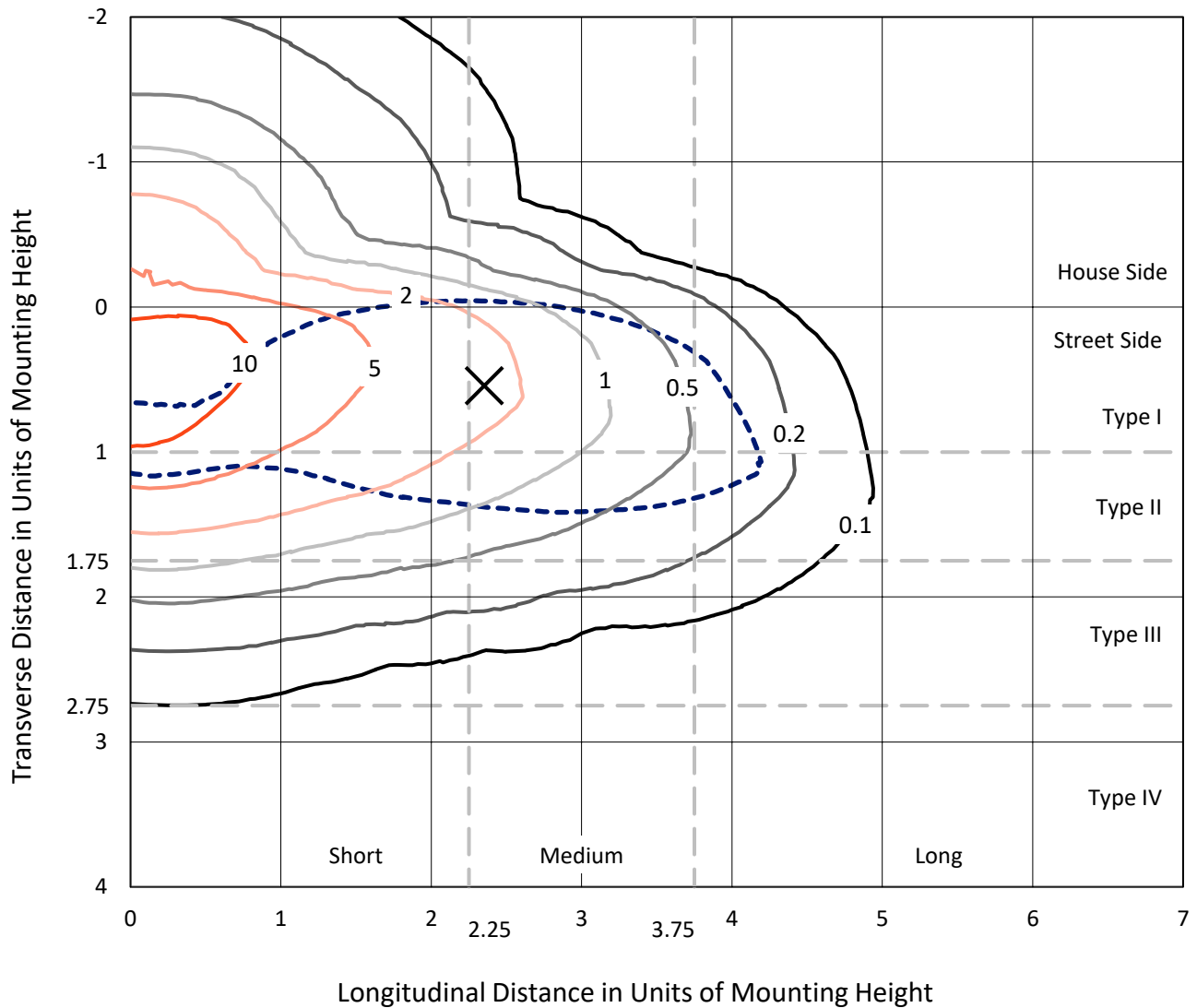
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

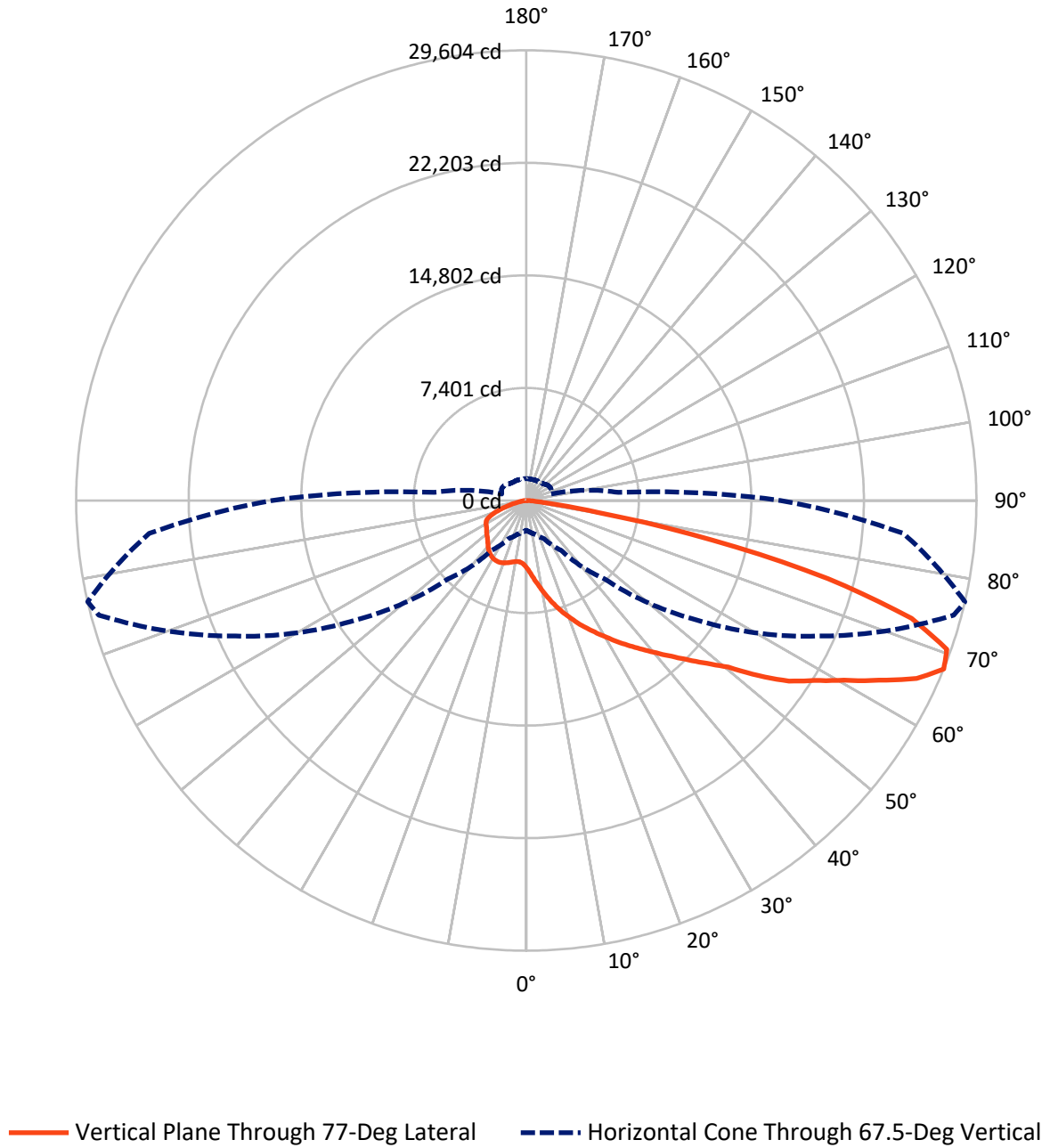
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
House Side	Lumens	7138.5	0.0	7138.5
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	30599.5	0.0	30599.5
	% Fixture	81.1	0.0	81.1
Total	Lumens	37738.0	0.0	37738.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.6	1.3
10°-20°	1705.1	4.5
20°-30°	3219.3	8.5
30°-40°	5186.3	13.7
40°-50°	7093.9	18.8
50°-60°	8002.0	21.2
60°-70°	7468.8	19.8
70°-80°	4094.2	10.8
80°-90°	493.9	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°	37738.0	100.0
0°-180°	37738.0	100.0

Coefficient of Utilization



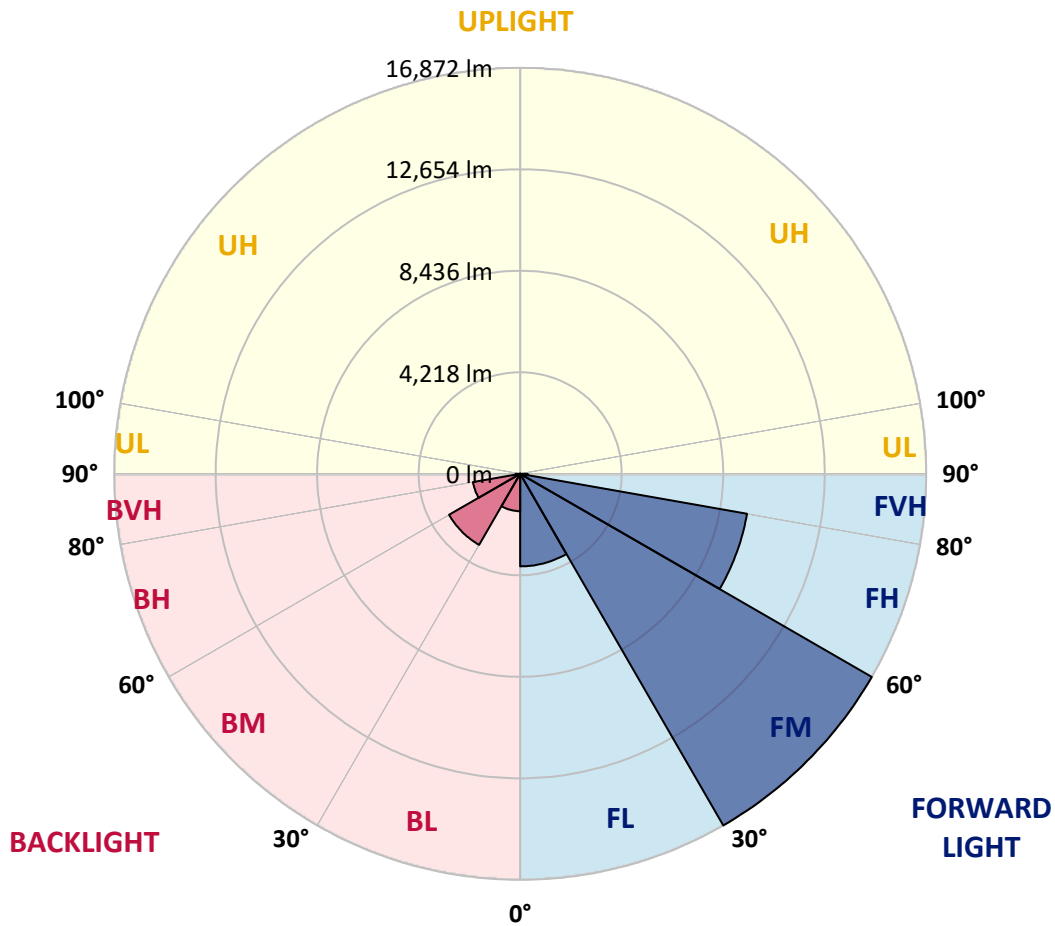
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3846.9	10.2			
FM (30°-60°)	16872.2	44.7			
FH (60°-80°)	9571.5	25.4			G4/12000
FVH (80°-90°)	308.8	0.8			G3/500
BL (0°-30°)	1552.1	4.1	B3/2500		
BM (30°-60°)	3409.9	9.0	B3/5000		
BH (60°-80°)	1991.5	5.3	B3/2500		G3/2500
BVH (80°-90°)	185.0	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°	4427.8	4427.8	4427.8	4427.8	4427.8	4427.8	4427.8	4427.8	4427.8	4427.8
2.5°	5544.1	5583.0	5534.3	5534.3	5370.7	5285.0	5121.3	4996.7	4772.6	4733.7
5°	6553.1	6601.8	6533.6	6504.4	6311.6	6134.3	5859.6	5588.9	5189.5	5148.6
7.5°	7334.3	7396.6	7336.2	7305.1	7133.6	6934.9	6613.5	6235.6	5672.6	5592.8
10°	7971.3	7981.0	7961.5	7973.2	7838.8	7675.2	7346.0	6905.7	6202.5	6093.4
12.5°	8331.7	8376.5	8415.4	8485.6	8462.2	8360.9	8064.8	7538.8	6763.5	6623.3
15°	8501.1	8579.1	8666.7	8828.4	8958.9	8984.2	8758.3	8218.7	7334.3	7164.8
17.5°	8561.5	8635.6	8773.9	9007.6	9288.1	9477.1	9375.8	8879.1	7899.2	7704.4
20°	8867.4	8888.8	8972.6	9194.6	9498.5	9812.2	9888.1	9514.1	8458.3	8238.2
22.5°	9521.9	9479.0	9502.4	9603.7	9821.9	10125.8	10299.2	10075.1	9032.9	8779.7
25°	10603.0	10478.4	10353.7	10236.8	10347.9	10519.3	10716.0	10636.2	9634.9	9313.5
27.5°	11968.6	11816.7	11542.0	11158.2	11023.8	11084.2	11171.9	11156.3	10192.0	9866.7
30°	13312.7	13135.5	12808.2	12253.0	11898.5	11738.7	11672.5	11627.7	10797.9	10451.1
32.5°	14386.1	14245.8	13924.4	13303.0	12788.7	12516.0	12295.9	12136.1	11431.0	11084.2
35°	15325.0	15194.5	14826.3	14148.4	13589.4	13299.1	13010.8	12669.9	12089.4	11738.7
37.5°	16182.2	16051.6	15547.1	14841.9	14279.0	14078.3	13821.2	13242.6	12749.8	12418.6
40°	16723.7	16694.5	16223.1	15424.4	14840.0	14740.6	14654.9	13906.9	13482.2	13174.4
42.5°	16862.0	16926.3	16552.3	15895.8	15338.7	15258.8	15459.5	14658.8	14304.3	14010.1
45°	16528.9	16714.0	16468.5	16022.4	15693.2	15650.4	16172.4	15480.9	15214.0	14945.2
47.5°	15685.4	15999.1	15897.8	15835.4	15788.7	15973.7	16799.7	16353.6	16244.5	16010.7
50°	13982.9	14577.0	14754.3	15147.8	15599.7	16225.0	17370.5	17306.2	17448.4	17212.7
52.5°	11039.4	11857.6	12886.1	13871.8	15019.2	16141.3	17997.7	18673.7	19273.7	19145.1
55°	9112.8	9481.0	10271.9	12079.6	13893.2	15788.7	18280.2	19778.2	21085.3	20970.4
57.5°	7632.3	7961.5	8448.5	9958.3	12190.7	14988.0	18455.5	20452.2	22326.2	22314.5
60°	6044.7	6393.4	6892.1	7961.5	10201.8	13604.9	18416.5	21219.7	23909.9	24007.3
62.5°	4252.5	4636.3	5189.5	6186.9	8170.0	11812.8	17621.8	21774.9	25774.2	26039.1
65°	2795.4	3048.6	3465.5	4326.5	6087.5	9508.3	16104.2	21847.0	27769.0	28217.0
67.5°	1959.7	2057.1	2302.6	2770.1	4012.9	7291.4	13686.8	21100.9	29099.5	29604.0
70°	1529.2	1577.9	1702.6	1889.6	2520.7	4903.2	10488.1	19160.7	28815.0	29341.0
72.5°	1320.8	1367.5	1414.3	1437.6	1690.9	3027.2	7104.4	16020.5	26136.5	26493.0
75°	1198.0	1209.7	1248.7	1240.9	1289.6	1963.6	4100.6	11672.5	20621.7	20499.0
77.5°	1007.1	1022.7	1087.0	1077.3	1145.4	1342.2	2129.2	7533.0	13369.2	12535.5
80°	853.2	861.0	931.2	919.5	995.4	972.1	1087.0	3839.5	5670.7	4803.8
82.5°	296.1	366.2	711.0	732.5	759.7	588.3	627.3	1566.2	1731.8	1326.6
85°	144.2	153.9	362.3	514.3	512.3	296.1	305.8	559.1	545.4	428.6
87.5°	23.4	29.2	42.9	200.6	159.7	77.9	105.2	109.1	113.0	97.4
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°
4427.8	0°	4427.8	4427.8	4427.8	4427.8	4427.8	4427.8	4427.8	4427.8	4427.8	4427.8
4585.6	2.5°	4476.5	4379.1	4174.6	3985.6	3837.6	3695.4	3615.5	3547.3	3508.4	3500.6
4799.9	5°	4597.3	4396.7	4024.6	3711.0	3506.4	3354.5	3274.6	3224.0	3198.6	3183.1
5088.2	7.5°	4770.7	4476.5	3946.7	3590.2	3375.9	3266.8	3225.9	3218.1	3216.2	3218.1
5436.9	10°	5010.3	4607.1	3938.9	3561.0	3381.8	3321.4	3319.4	3321.4	3329.2	3331.1
5816.8	12.5°	5269.4	4741.5	3970.1	3586.3	3455.8	3422.7	3416.8	3414.9	3420.7	3424.6
6200.5	15°	5551.8	4918.7	4022.7	3640.8	3537.6	3502.5	3496.7	3485.0	3483.1	3481.1
6603.8	17.5°	5842.1	5094.1	4081.1	3699.3	3590.2	3541.5	3520.1	3492.8	3471.4	3465.5
7020.6	20°	6136.2	5267.4	4122.0	3728.5	3594.1	3525.9	3483.1	3436.3	3399.3	3377.9
7441.4	22.5°	6449.9	5448.6	4147.3	3720.7	3559.0	3465.5	3387.6	3333.1	3276.6	3239.6
7866.1	25°	6755.7	5606.4	4145.4	3679.8	3490.8	3372.0	3272.7	3202.5	3124.6	3085.7
8304.4	27.5°	7049.9	5748.6	4096.7	3607.7	3393.4	3261.0	3142.1	3058.4	2982.4	2945.4
8746.6	30°	7353.8	5867.4	4020.7	3502.5	3278.5	3132.4	3001.9	2929.8	2861.6	2826.6
9214.1	32.5°	7655.7	5976.5	3913.6	3372.0	3146.0	3005.8	2877.2	2811.0	2770.1	2770.1
9716.7	35°	7975.2	6052.5	3771.4	3220.1	3005.8	2871.4	2770.1	2731.1	2727.2	2703.8
10248.5	37.5°	8312.2	6101.2	3598.0	3064.2	2867.5	2740.9	2709.7	2662.9	2624.0	2573.3
10832.9	40°	8666.7	6149.9	3389.5	2902.5	2721.4	2651.2	2637.6	2575.3	2464.2	2339.6
11495.2	42.5°	9097.2	6183.0	3173.3	2740.9	2567.5	2544.1	2563.6	2456.4	2279.2	2185.7
12293.9	45°	9595.9	6237.5	2974.6	2581.1	2409.7	2409.7	2491.5	2351.3	2205.2	2146.7
13205.6	47.5°	10242.7	6364.2	2789.6	2405.8	2263.6	2302.6	2331.8	2224.6	2142.8	2070.7
14316.0	50°	11177.7	6668.1	2598.7	2228.5	2152.6	2230.5	2189.6	2127.2	2031.8	1973.3
16080.9	52.5°	12338.7	6847.3	2429.2	2068.8	2057.1	2135.0	2076.6	2018.1	1946.1	1868.1
17419.2	55°	13129.6	6880.4	2287.0	1951.9	1992.8	1985.0	1963.6	1911.0	1872.0	1768.8
18739.9	57.5°	14014.0	6946.6	2170.1	1881.8	1951.9	1866.2	1858.4	1813.6	1763.0	1692.8
20350.9	60°	15071.8	7049.9	2068.8	1854.5	1916.8	1788.3	1749.3	1731.8	1681.1	1646.1
22289.2	62.5°	16225.0	7143.4	1965.5	1858.4	1875.9	1712.3	1653.9	1648.0	1616.9	1605.2
24108.6	65°	17012.0	6888.2	1837.0	1854.5	1811.7	1634.4	1560.4	1558.4	1533.1	1529.2
24897.6	67.5°	16737.4	6079.8	1663.6	1800.0	1745.4	1556.5	1474.6	1466.9	1433.7	1435.7
24073.6	70°	15362.1	4926.5	1424.0	1665.6	1663.6	1486.3	1385.0	1359.7	1314.9	1322.7
20931.4	72.5°	12782.9	3650.6	1102.6	1441.5	1533.1	1422.1	1281.8	1240.9	1184.4	1192.2
15451.7	75°	9231.6	2481.8	802.6	1096.7	1334.4	1346.1	1180.5	1110.4	1042.2	1053.9
8600.5	77.5°	4723.9	1406.5	590.2	755.8	1048.0	1223.4	1088.9	995.4	979.9	1088.9
2479.8	80°	1540.9	705.2	409.1	529.9	687.6	1001.3	954.5	847.4	843.5	868.8
520.1	82.5°	459.7	298.0	263.0	348.7	379.9	767.5	824.0	640.9	551.3	580.5
173.4	85°	157.8	144.2	150.0	173.4	181.2	450.0	576.6	424.7	401.3	442.2
39.0	87.5°	37.0	50.6	42.9	39.0	39.0	109.1	224.0	177.3	245.4	163.6
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°
4427.8
3500.6
3181.1
3224.0
3333.1
3426.6
3479.2
3471.4
3385.7
3241.5
3085.7
2943.5
2824.6
2772.0
2698.0
2565.5
2322.0
2187.6
2156.5
2068.8
1967.5
1852.6
1770.7
1669.4
1655.8
1605.2
1527.2
1435.7
1330.5
1190.2
1057.8
1073.4
746.1
600.0
436.4
157.8
0.0

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