

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: P952992

Luminaire Tested: **GALN-SB6C-935-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952992
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-SB6C-935-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 32179 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

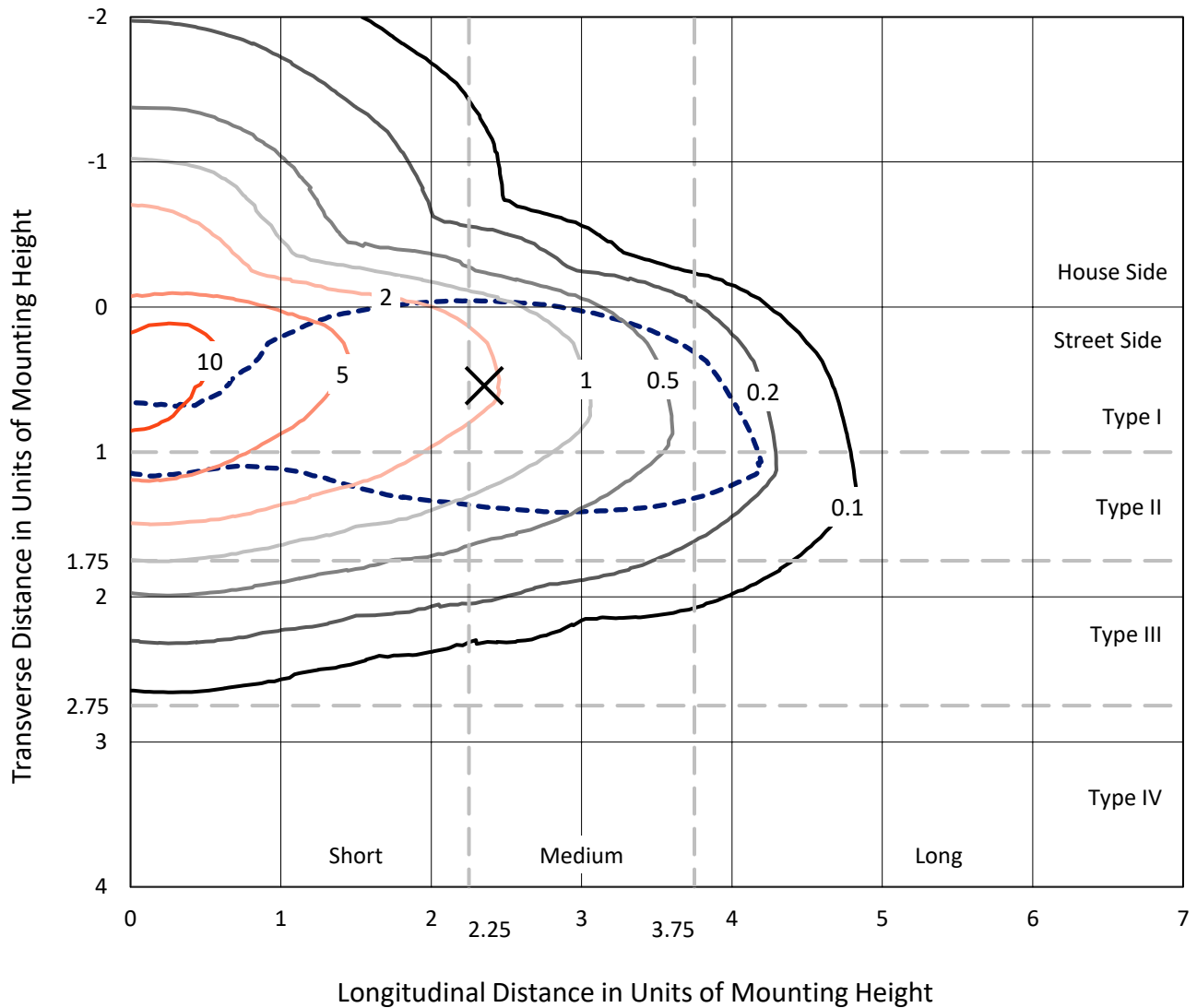
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

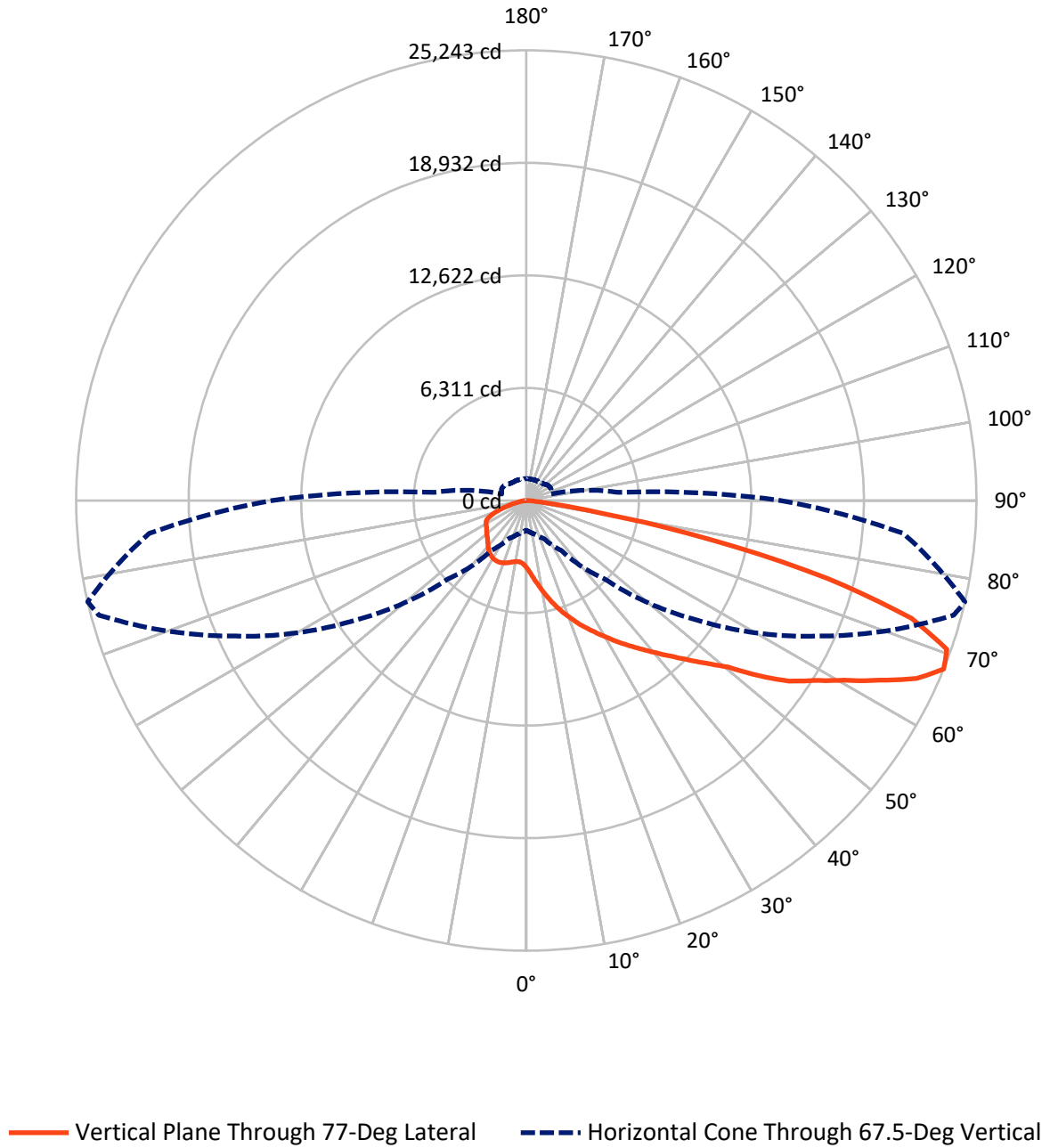
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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	6087.0	0.0	6087.0
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	26092.0	0.0	26092.0
	% Fixture	81.1	0.0	81.1
Total	Lumens	32179.0	0.0	32179.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.7	1.3
10°-20°	1453.9	4.5
20°-30°	2745.1	8.5
30°-40°	4422.3	13.7
40°-50°	6048.9	18.8
50°-60°	6823.2	21.2
60°-70°	6368.6	19.8
70°-80°	3491.1	10.8
80°-90°	421.1	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°	32179.0	100.0
0°-180°	32179.0	100.0

Coefficient of Utilization



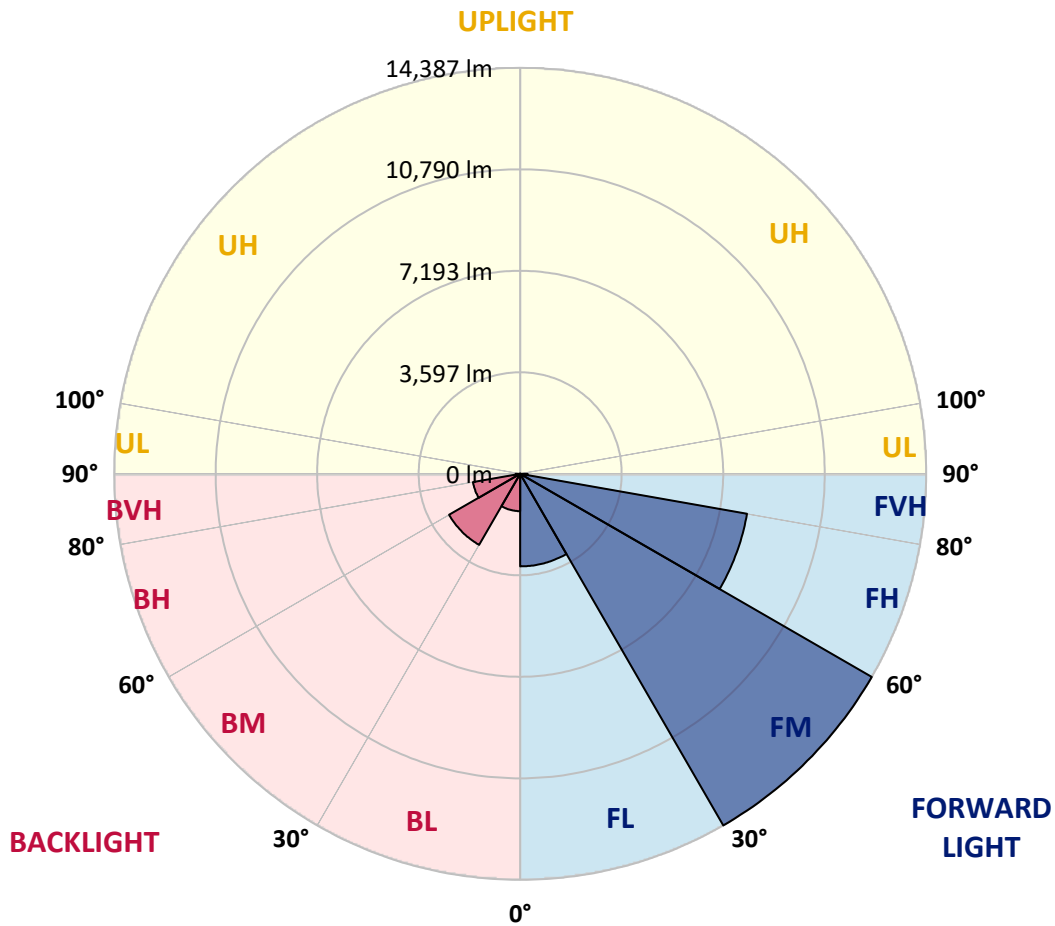
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3280.2	10.2			
FM (30°-60°)	14386.9	44.7			
FH (60°-80°)	8161.5	25.4			G4/12000
FVH (80°-90°)	263.3	0.8			G3/500
BL (0°-30°)	1323.4	4.1	B3/2500		
BM (30°-60°)	2907.6	9.0	B3/5000		
BH (60°-80°)	1698.2	5.3	B3/2500		G3/2500
BVH (80°-90°)	157.8	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°	3775.6	3775.6	3775.6	3775.6	3775.6	3775.6	3775.6	3775.6	3775.6	3775.6
2.5°	4727.4	4760.6	4719.1	4719.1	4579.6	4506.5	4366.9	4260.6	4069.6	4036.4
5°	5587.8	5629.3	5571.2	5546.3	5381.8	5230.7	4996.5	4765.6	4425.1	4390.2
7.5°	6253.9	6307.1	6255.6	6229.0	6082.8	5913.4	5639.3	5317.1	4837.0	4768.9
10°	6797.1	6805.4	6788.8	6798.7	6684.1	6544.6	6263.9	5888.5	5288.8	5195.8
12.5°	7104.4	7142.6	7175.8	7235.6	7215.7	7129.3	6876.8	6428.3	5767.2	5647.6
15°	7248.9	7315.3	7390.1	7527.9	7639.2	7660.8	7468.1	7008.0	6253.9	6109.4
17.5°	7300.4	7363.5	7481.4	7680.8	7919.9	8081.1	7994.7	7571.1	6735.6	6569.5
20°	7561.2	7579.4	7650.9	7840.2	8099.3	8366.8	8431.6	8112.6	7212.3	7024.6
22.5°	8119.3	8082.7	8102.7	8189.0	8375.1	8634.2	8782.0	8591.0	7702.3	7486.4
25°	9041.2	8934.9	8828.6	8728.9	8823.6	8969.7	9137.5	9069.4	8215.6	7941.5
27.5°	10205.6	10076.0	9841.8	9514.6	9400.0	9451.4	9526.2	9512.9	8690.7	8413.3
30°	11351.7	11200.5	10921.5	10448.1	10145.8	10009.6	9953.1	9914.9	9207.3	8911.6
32.5°	12267.0	12147.4	11873.3	11343.4	10904.9	10672.3	10484.6	10348.4	9747.1	9451.4
35°	13067.6	12956.3	12642.4	12064.3	11587.6	11340.1	11094.2	10803.6	10308.6	10009.6
37.5°	13798.5	13687.2	13256.9	12655.6	12175.6	12004.5	11785.2	11291.9	10871.7	10589.3
40°	14260.2	14235.3	13833.3	13152.3	12654.0	12569.3	12496.2	11858.3	11496.2	11233.8
42.5°	14378.2	14433.0	14114.1	13554.3	13079.2	13011.1	13182.2	12499.5	12197.2	11946.4
45°	14094.1	14251.9	14042.6	13662.2	13381.5	13345.0	13790.1	13200.5	12972.9	12743.7
47.5°	13374.9	13642.3	13555.9	13502.8	13462.9	13620.7	14325.0	13944.6	13851.6	13652.3
50°	11923.1	12429.7	12580.9	12916.4	13301.8	13835.0	14811.7	14756.9	14878.1	14677.2
52.5°	9413.2	10110.9	10987.9	11828.4	12806.8	13763.6	15346.6	15923.0	16434.6	16324.9
55°	7770.5	8084.4	8758.8	10300.3	11846.7	13462.9	15587.4	16864.8	17979.3	17881.3
57.5°	6508.0	6788.8	7204.0	8491.4	10394.9	12780.2	15736.9	17439.5	19037.4	19027.5
60°	5154.3	5451.6	5876.8	6788.8	8699.0	11600.9	15703.7	18094.0	20387.9	20470.9
62.5°	3626.1	3953.3	4425.1	5275.5	6966.5	10072.7	15026.0	18567.4	21977.5	22203.4
65°	2383.6	2599.6	2955.0	3689.2	5190.8	8107.6	13732.0	18628.8	23678.5	24060.5
67.5°	1671.0	1754.1	1963.4	2362.0	3421.8	6217.4	11670.6	17992.6	24813.0	25243.2
70°	1303.9	1345.5	1451.8	1611.2	2149.4	4180.9	8943.2	16338.2	24570.4	25018.9
72.5°	1126.2	1166.1	1205.9	1225.9	1441.8	2581.3	6057.9	13660.6	22286.5	22590.5
75°	1021.6	1031.5	1064.7	1058.1	1099.6	1674.4	3496.5	9953.1	17584.0	17479.4
77.5°	858.8	872.1	926.9	918.6	976.7	1144.5	1815.5	6423.3	11399.9	10688.9
80°	727.5	734.2	794.0	784.0	848.8	828.9	926.9	3274.0	4835.4	4096.2
82.5°	252.5	312.3	606.3	624.6	647.8	501.6	534.9	1335.5	1476.7	1131.2
85°	122.9	131.2	309.0	438.5	436.9	252.5	260.8	476.7	465.1	365.4
87.5°	19.9	24.9	36.5	171.1	136.2	66.4	89.7	93.0	96.3	83.1
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°
3775.6	0°	3775.6	3775.6	3775.6	3775.6	3775.6	3775.6	3775.6	3775.6	3775.6	3775.6
3910.1	2.5°	3817.1	3734.1	3559.7	3398.5	3272.3	3151.0	3082.9	3024.8	2991.6	2984.9
4092.9	5°	3920.1	3749.0	3431.8	3164.3	2989.9	2860.4	2792.2	2749.1	2727.5	2714.2
4338.7	7.5°	4067.9	3817.1	3365.3	3061.3	2878.6	2785.6	2750.7	2744.1	2742.4	2744.1
4636.0	10°	4272.3	3928.4	3358.7	3036.4	2883.6	2832.1	2830.5	2832.1	2838.8	2840.4
4959.9	12.5°	4493.2	4043.0	3385.2	3058.0	2946.7	2918.5	2913.5	2911.8	2916.8	2920.1
5287.2	15°	4734.0	4194.2	3430.1	3104.5	3016.5	2986.6	2981.6	2971.6	2970.0	2968.3
5631.0	17.5°	4981.5	4343.7	3479.9	3154.4	3061.3	3019.8	3001.5	2978.3	2960.0	2955.0
5986.5	20°	5232.3	4491.5	3514.8	3179.3	3064.7	3006.5	2970.0	2930.1	2898.6	2880.3
6345.3	22.5°	5499.8	4646.0	3536.4	3172.6	3034.8	2955.0	2888.6	2842.1	2793.9	2762.3
6707.4	25°	5760.6	4780.5	3534.7	3137.7	2976.6	2875.3	2790.6	2730.8	2664.3	2631.1
7081.1	27.5°	6011.4	4901.8	3493.2	3076.3	2893.6	2780.6	2679.3	2607.9	2543.1	2511.5
7458.2	30°	6270.5	5003.1	3428.4	2986.6	2795.6	2671.0	2559.7	2498.2	2440.1	2410.2
7856.8	32.5°	6528.0	5096.1	3337.1	2875.3	2682.6	2563.0	2453.4	2396.9	2362.0	2362.0
8285.4	35°	6800.4	5160.9	3215.8	2745.7	2563.0	2448.4	2362.0	2328.8	2325.5	2305.6
8738.9	37.5°	7087.8	5202.4	3068.0	2612.9	2445.1	2337.1	2310.5	2270.7	2237.5	2194.3
9237.2	40°	7390.1	5244.0	2890.2	2475.0	2320.5	2260.7	2249.1	2195.9	2101.2	1994.9
9801.9	42.5°	7757.2	5272.2	2705.9	2337.1	2189.3	2169.3	2186.0	2094.6	1943.4	1863.7
10483.0	45°	8182.4	5318.7	2536.4	2200.9	2054.7	2054.7	2124.5	2004.9	1880.3	1830.5
11260.3	47.5°	8733.9	5426.7	2378.6	2051.4	1930.2	1963.4	1988.3	1896.9	1827.2	1765.7
12207.2	50°	9531.2	5685.8	2215.9	1900.3	1835.5	1901.9	1867.0	1813.9	1732.5	1682.7
13712.1	52.5°	10521.2	5838.6	2071.3	1764.0	1754.1	1820.5	1770.7	1720.9	1659.4	1593.0
14853.2	55°	11195.6	5866.9	1950.1	1664.4	1699.3	1692.6	1674.4	1629.5	1596.3	1508.2
15979.4	57.5°	11949.7	5923.4	1850.4	1604.6	1664.4	1591.3	1584.7	1546.4	1503.3	1443.5
17353.1	60°	12851.6	6011.4	1764.0	1581.3	1634.5	1524.9	1491.6	1476.7	1433.5	1403.6
19005.9	62.5°	13835.0	6091.1	1676.0	1584.7	1599.6	1460.1	1410.2	1405.3	1378.7	1368.7
20557.3	65°	14506.1	5873.5	1566.4	1581.3	1544.8	1393.6	1330.5	1328.9	1307.3	1303.9
21230.0	67.5°	14271.9	5184.2	1418.5	1534.8	1488.3	1327.2	1257.4	1250.8	1222.5	1224.2
20527.4	70°	13099.1	4200.8	1214.2	1420.2	1418.5	1267.4	1181.0	1159.4	1121.2	1127.9
17848.1	72.5°	10899.9	3112.8	940.2	1229.2	1307.3	1212.6	1093.0	1058.1	1009.9	1016.6
13175.6	75°	7871.8	2116.2	684.4	935.2	1137.8	1147.8	1006.6	946.8	888.7	898.6
7333.6	77.5°	4028.1	1199.3	503.3	644.5	893.7	1043.1	928.5	848.8	835.5	928.5
2114.5	80°	1313.9	601.3	348.8	451.8	586.4	853.8	813.9	722.6	719.2	740.8
443.5	82.5°	392.0	254.1	224.2	297.3	323.9	654.5	702.6	546.5	470.1	495.0
147.8	85°	134.5	122.9	127.9	147.8	154.5	383.7	491.7	362.1	342.2	377.1
33.2	87.5°	31.6	43.2	36.5	33.2	33.2	93.0	191.0	151.2	209.3	139.5
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>
3775.6
2984.9
2712.5
2749.1
2842.1
2921.8
2966.7
2960.0
2886.9
2764.0
2631.1
2509.9
2408.5
2363.7
2300.6
2187.6
1980.0
1865.4
1838.8
1764.0
1677.7
1579.7
1509.9
1423.5
1411.9
1368.7
1302.3
1224.2
1134.5
1014.9
902.0
915.2
636.2
511.6
372.1
134.5
0.0

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