

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: P952068

Luminaire Tested: **GALN-SB6A-740-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952068
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-SB6A-740-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29313 lumens
Efficiency: N/A
Efficacy: 171.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

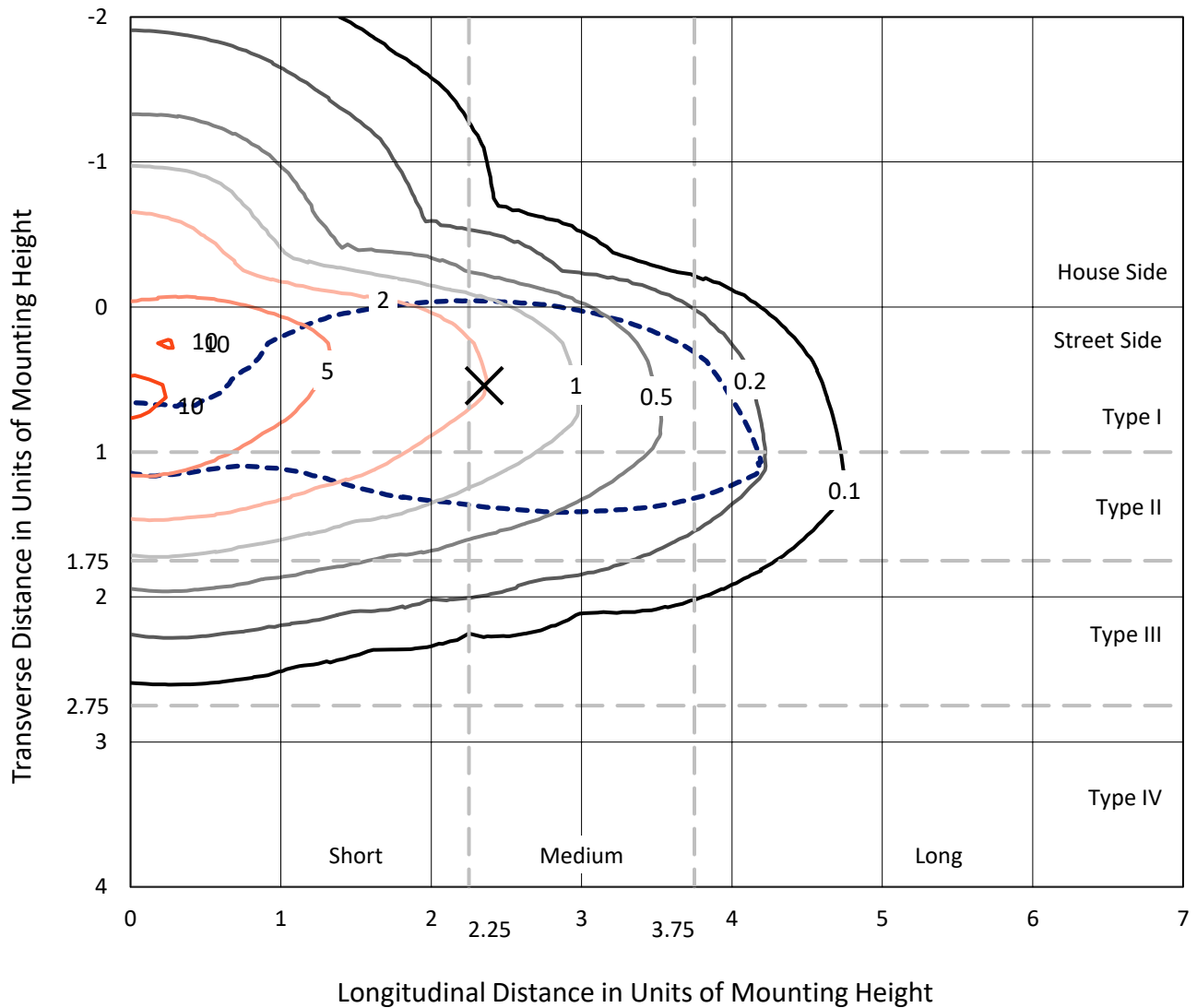
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

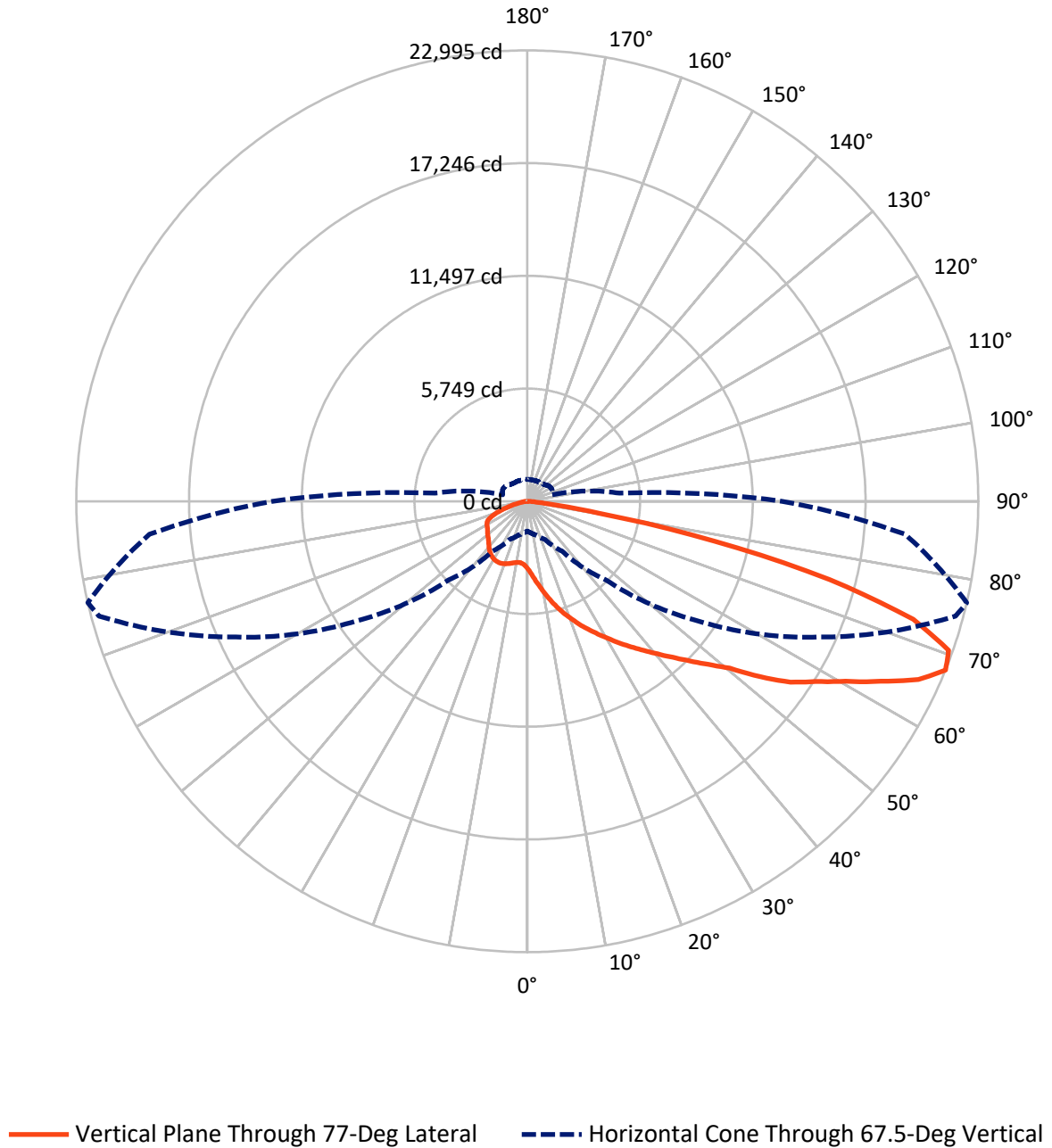
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	5544.8	0.0	5544.8
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	23768.2	0.0	23768.2
	% Fixture	81.1	0.0	81.1
Total	Lumens	29313.0	0.0	29313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.7	1.3
10°-20°	1324.4	4.5
20°-30°	2500.6	8.5
30°-40°	4028.4	13.7
40°-50°	5510.2	18.8
50°-60°	6215.5	21.2
60°-70°	5801.4	19.8
70°-80°	3180.2	10.8
80°-90°	383.6	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°	29313.0	100.0
0°-180°	29313.0	100.0

Coefficient of Utilization



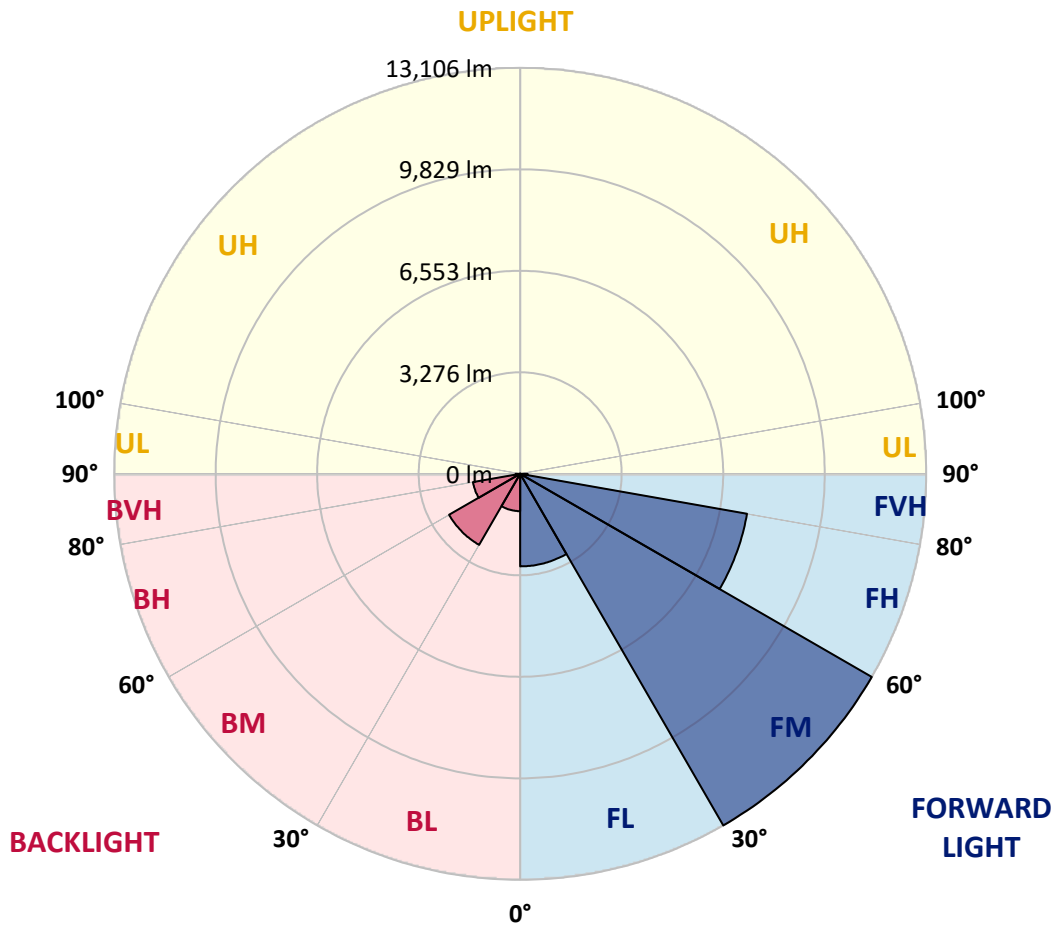
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2988.1	10.2			
FM (30°-60°)	13105.5	44.7			
FH (60°-80°)	7434.6	25.4			G3/7500
FVH (80°-90°)	239.9	0.8			G3/500
BL (0°-30°)	1205.6	4.1	B3/2500		
BM (30°-60°)	2648.6	9.0	B3/5000		
BH (60°-80°)	1546.9	5.3	B3/2500		G3/2500
BVH (80°-90°)	143.7	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3
2.5°	4306.3	4336.6	4298.8	4298.8	4171.7	4105.1	3978.0	3881.2	3707.1	3676.9
5°	5090.1	5128.0	5075.0	5052.3	4902.5	4764.8	4551.5	4341.1	4031.0	3999.2
7.5°	5696.9	5745.3	5698.4	5674.2	5541.1	5386.7	5137.0	4843.5	4406.2	4344.2
10°	6191.7	6199.3	6184.1	6193.2	6088.8	5961.7	5706.0	5364.0	4817.8	4733.0
12.5°	6471.6	6506.4	6536.7	6591.2	6573.0	6494.3	6264.3	5855.8	5253.6	5144.6
15°	6603.3	6663.8	6731.9	6857.5	6958.8	6978.5	6803.0	6383.9	5696.9	5565.3
17.5°	6650.2	6707.7	6815.1	6996.7	7214.6	7361.3	7282.7	6896.8	6135.7	5984.4
20°	6887.7	6904.4	6969.4	7141.9	7378.0	7621.6	7680.6	7390.1	6570.0	6399.0
22.5°	7396.1	7362.9	7381.0	7459.7	7629.2	7865.2	7999.9	7825.9	7016.3	6819.6
25°	8235.9	8139.1	8042.2	7951.5	8037.7	8170.9	8323.7	8261.6	7483.9	7234.2
27.5°	9296.6	9178.6	8965.2	8667.2	8562.8	8609.7	8677.8	8665.6	7916.7	7664.0
30°	10340.7	10203.0	9948.8	9517.5	9242.1	9118.1	9066.6	9031.8	8387.2	8117.9
32.5°	11174.4	11065.5	10815.8	10333.1	9933.6	9721.8	9550.8	9426.7	8879.0	8609.7
35°	11903.7	11802.3	11516.4	10989.8	10555.5	10330.1	10106.1	9841.3	9390.4	9118.1
37.5°	12569.5	12468.1	12076.2	11528.5	11091.2	10935.3	10735.6	10286.2	9903.4	9646.2
40°	12990.1	12967.5	12601.3	11980.9	11527.0	11449.8	11383.2	10802.2	10472.3	10233.2
42.5°	13097.6	13147.5	12857.0	12347.1	11914.3	11852.3	12008.1	11386.2	11110.9	10882.4
45°	12838.8	12982.6	12791.9	12445.4	12189.7	12156.4	12561.9	12024.8	11817.5	11608.7
47.5°	12183.7	12427.3	12348.6	12300.2	12263.9	12407.6	13049.2	12702.7	12617.9	12436.3
50°	10861.2	11322.7	11460.4	11766.0	12117.1	12602.8	13492.5	13442.6	13553.0	13369.9
52.5°	8574.9	9210.4	10009.3	10774.9	11666.2	12537.7	13979.7	14504.8	14970.8	14871.0
55°	7078.4	7364.4	7978.7	9382.9	10791.6	12263.9	14199.1	15362.7	16378.0	16288.8
57.5°	5928.4	6184.1	6562.4	7735.1	9469.1	11642.0	14335.3	15886.3	17341.9	17332.8
60°	4695.2	4966.1	5353.4	6184.1	7924.2	10567.6	14305.1	16482.4	18572.1	18647.7
62.5°	3303.1	3601.2	4031.0	4805.7	6346.0	9175.6	13687.7	16913.7	20020.1	20225.9
65°	2171.3	2368.0	2691.8	3360.6	4728.5	7385.5	12509.0	16969.7	21569.5	21917.6
67.5°	1522.2	1597.9	1788.5	2151.7	3117.0	5663.6	10631.2	16390.1	22603.0	22994.9
70°	1187.8	1225.6	1322.5	1467.7	1958.0	3808.5	8146.6	14883.1	22382.1	22790.6
72.5°	1025.9	1062.2	1098.5	1116.7	1313.4	2351.4	5518.4	12443.9	20301.6	20578.5
75°	930.6	939.6	969.9	963.9	1001.7	1525.2	3185.1	9066.6	16017.9	15922.6
77.5°	782.3	794.4	844.3	836.8	889.7	1042.5	1653.8	5851.2	10384.6	9736.9
80°	662.7	668.8	723.3	714.2	773.2	755.0	844.3	2982.4	4404.7	3731.4
82.5°	230.0	284.5	552.3	568.9	590.1	457.0	487.2	1216.5	1345.2	1030.4
85°	112.0	119.5	281.4	399.5	398.0	230.0	237.6	434.3	423.7	332.9
87.5°	18.2	22.7	33.3	155.9	124.1	60.5	81.7	84.7	87.8	75.7
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°
3439.3	0°	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3
3561.9	2.5°	3477.2	3401.5	3242.6	3095.8	2980.8	2870.4	2808.4	2755.4	2725.1	2719.1
3728.3	5°	3571.0	3415.1	3126.1	2882.5	2723.6	2605.6	2543.6	2504.2	2484.5	2472.4
3952.3	7.5°	3705.6	3477.2	3065.6	2788.7	2622.2	2537.5	2505.7	2499.7	2498.2	2499.7
4223.1	10°	3891.7	3578.5	3059.5	2766.0	2626.8	2579.9	2578.4	2579.9	2585.9	2587.4
4518.2	12.5°	4093.0	3682.9	3083.7	2785.7	2684.3	2658.6	2654.0	2652.5	2657.0	2660.1
4816.3	15°	4312.4	3820.6	3124.6	2828.0	2747.8	2720.6	2716.1	2707.0	2705.5	2703.9
5129.5	17.5°	4537.9	3956.8	3170.0	2873.4	2788.7	2750.9	2734.2	2713.0	2696.4	2691.8
5453.3	20°	4766.3	4091.5	3201.8	2896.1	2791.7	2738.8	2705.5	2669.1	2640.4	2623.8
5780.1	22.5°	5009.9	4232.2	3221.4	2890.1	2764.5	2691.8	2631.3	2589.0	2545.1	2516.3
6110.0	25°	5247.5	4354.8	3219.9	2858.3	2711.5	2619.2	2542.0	2487.6	2427.0	2396.8
6450.4	27.5°	5476.0	4465.2	3182.1	2802.3	2635.9	2533.0	2440.7	2375.6	2316.6	2287.8
6793.9	30°	5712.0	4557.5	3123.1	2720.6	2546.6	2433.1	2331.7	2275.7	2222.8	2195.5
7157.1	32.5°	5946.6	4642.3	3039.9	2619.2	2443.7	2334.7	2234.9	2183.4	2151.7	2151.7
7547.5	35°	6194.7	4701.3	2929.4	2501.2	2334.7	2230.3	2151.7	2121.4	2118.4	2100.2
7960.5	37.5°	6456.5	4739.1	2794.7	2380.1	2227.3	2129.0	2104.8	2068.4	2038.2	1998.8
8414.5	40°	6731.9	4776.9	2632.8	2254.6	2113.8	2059.4	2048.8	2000.3	1914.1	1817.3
8928.9	42.5°	7066.3	4802.6	2464.9	2129.0	1994.3	1976.1	1991.3	1908.0	1770.4	1697.7
9549.3	45°	7453.6	4845.0	2310.5	2004.9	1871.7	1871.7	1935.3	1826.3	1712.9	1667.5
10257.5	47.5°	7956.0	4943.4	2166.8	1868.7	1758.2	1788.5	1811.2	1728.0	1664.4	1608.4
11119.9	50°	8682.3	5179.4	2018.5	1731.0	1672.0	1732.5	1700.7	1652.3	1578.2	1532.8
12490.8	52.5°	9584.1	5318.6	1886.9	1606.9	1597.9	1658.4	1613.0	1567.6	1511.6	1451.1
13530.3	55°	10198.4	5344.3	1776.4	1516.1	1547.9	1541.9	1525.2	1484.4	1454.1	1373.9
14556.2	57.5°	10885.4	5395.8	1685.6	1461.7	1516.1	1449.6	1443.5	1408.7	1369.4	1314.9
15807.6	60°	11707.0	5476.0	1606.9	1440.5	1488.9	1389.0	1358.8	1345.2	1305.8	1278.6
17313.1	62.5°	12602.8	5548.6	1526.7	1443.5	1457.1	1330.0	1284.6	1280.1	1255.9	1246.8
18726.4	65°	13214.1	5350.4	1426.9	1440.5	1407.2	1269.5	1212.0	1210.5	1190.8	1187.8
19339.2	67.5°	13000.7	4722.5	1292.2	1398.1	1355.8	1209.0	1145.4	1139.4	1113.7	1115.2
18699.2	70°	11932.5	3826.7	1106.1	1293.7	1292.2	1154.5	1075.8	1056.2	1021.4	1027.4
16258.5	72.5°	9929.1	2835.6	856.4	1119.7	1190.8	1104.6	995.6	963.9	920.0	926.0
12002.1	75°	7170.7	1927.7	623.4	851.9	1036.5	1045.6	917.0	862.5	809.5	818.6
6680.4	77.5°	3669.3	1092.5	458.5	587.1	814.1	950.2	845.8	773.2	761.1	845.8
1926.2	80°	1196.9	547.8	317.8	411.6	534.1	777.7	741.4	658.2	655.2	674.9
404.0	82.5°	357.1	231.5	204.3	270.8	295.1	596.2	640.1	497.8	428.2	450.9
134.7	85°	122.6	112.0	116.5	134.7	140.7	349.5	447.9	329.9	311.7	343.5
30.3	87.5°	28.7	39.3	33.3	30.3	30.3	84.7	174.0	137.7	190.7	127.1
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°
3439.3
2719.1
2470.9
2504.2
2589.0
2661.6
2702.4
2696.4
2629.8
2517.8
2396.8
2286.3
2194.0
2153.2
2095.7
1992.8
1803.6
1699.2
1675.0
1606.9
1528.3
1439.0
1375.4
1296.7
1286.2
1246.8
1186.3
1115.2
1033.5
924.5
821.6
833.7
579.5
466.0
338.9
122.6
0.0

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