

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: P954367

Luminaire Tested: **GALN-SB7C-927-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-927-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32971 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

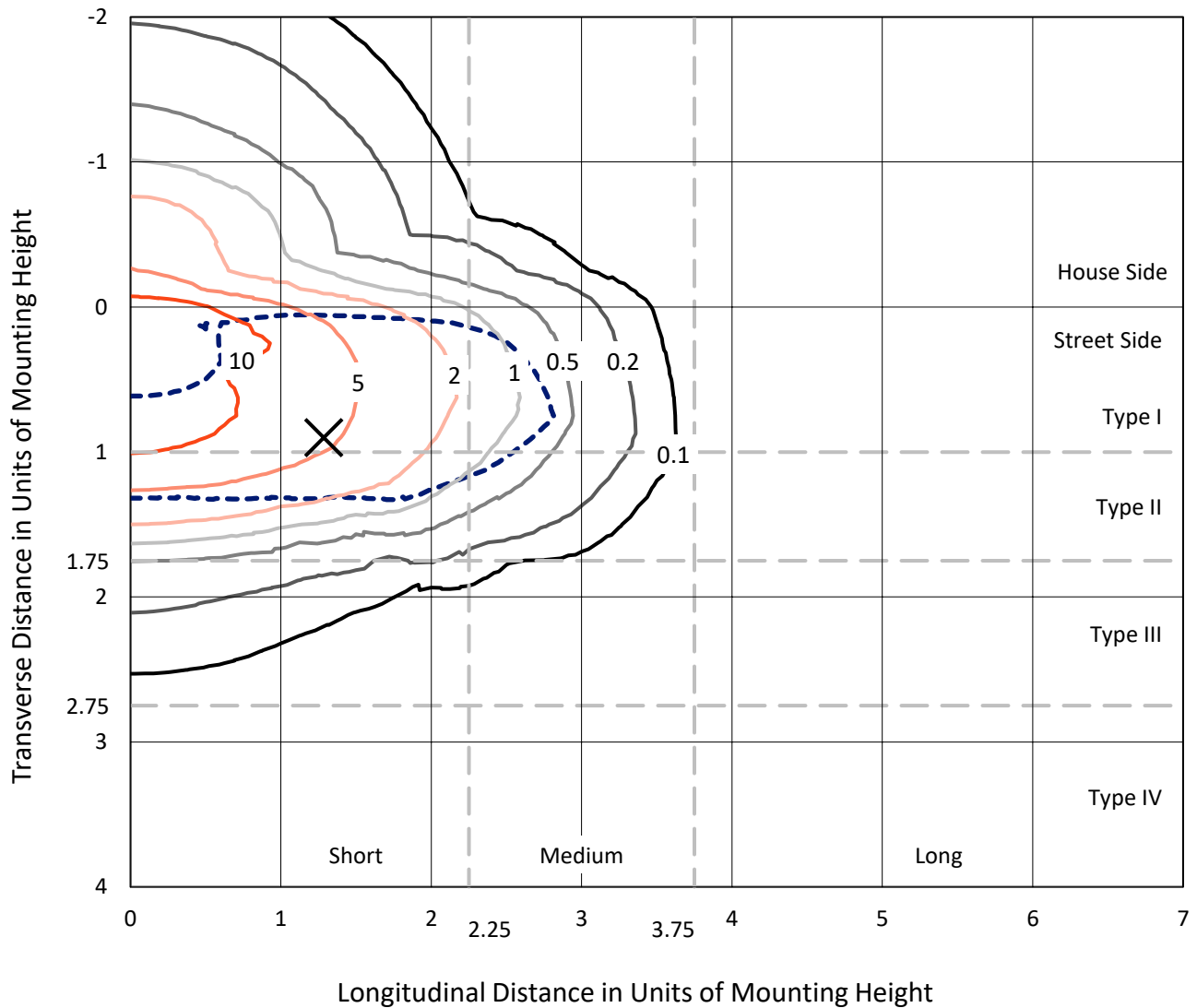
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

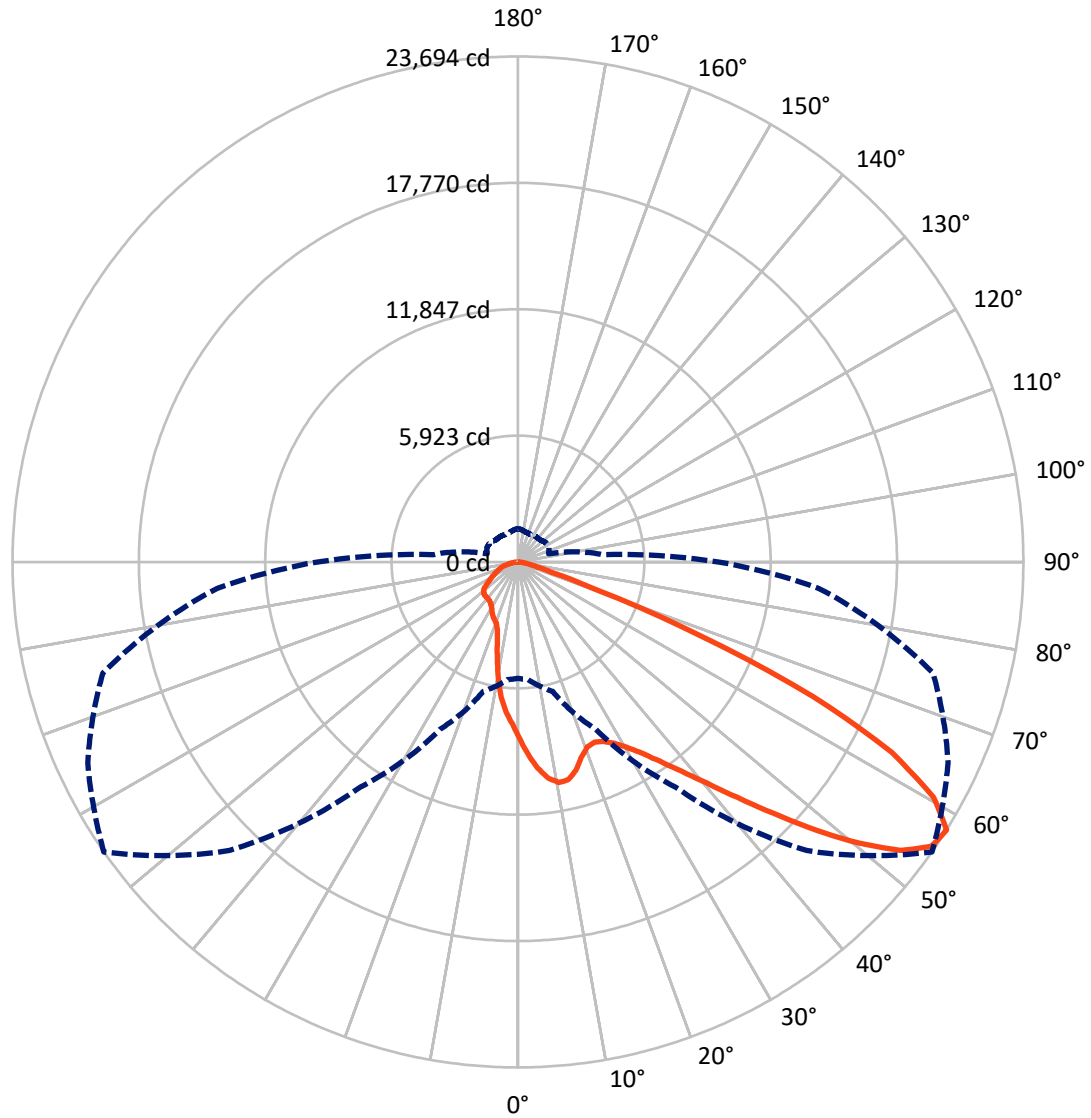
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5965.9	0.0	5965.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	27005.1	0.0	27005.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	32971.0	0.0	32971.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	766.6	2.3
10°-20°	1935.0	5.9
20°-30°	3087.7	9.4
30°-40°	4888.5	14.8
40°-50°	7482.4	22.7
50°-60°	8014.4	24.3
60°-70°	5041.9	15.3
70°-80°	1491.0	4.5
80°-90°	263.6	0.8
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°	32971.0	100.0
0°-180°	32971.0	100.0

Coefficient of Utilization



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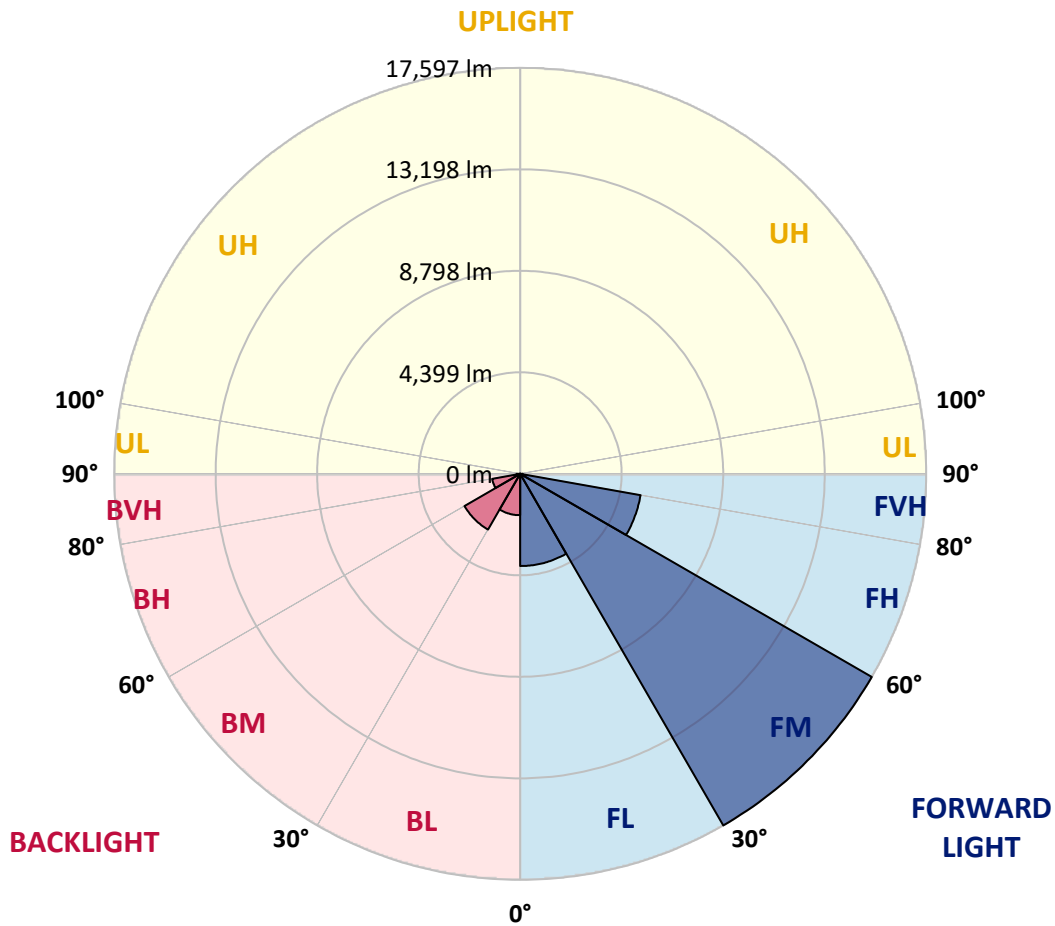
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3996.1	12.1			
FM (30°-60°)	17596.9	53.4			
FH (60°-80°)	5300.7	16.1			G3/7500
FVH (80°-90°)	111.4	0.3			G2/225
BL (0°-30°)	1793.2	5.4	B3/2500		
BM (30°-60°)	2788.4	8.5	B3/5000		
BH (60°-80°)	1232.1	3.7	B3/2500		G3/2500
BVH (80°-90°)	152.2	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8261.5	8261.5	8261.5	8261.5	8261.5	8261.5	8261.5	8261.5	8261.5	8261.5
2.5°	9478.4	9471.6	9509.1	9381.3	9294.4	9176.8	9021.6	8823.9	8610.9	8385.9
5°	10332.4	10272.7	10311.9	10216.5	10121.0	9943.8	9713.7	9391.5	8997.8	8549.5
7.5°	10197.7	10156.8	10257.4	10342.6	10414.2	10392.0	10223.3	9885.8	9377.9	8726.8
10°	9112.0	9066.0	9207.4	9502.3	9935.2	10311.9	10516.4	10306.8	9766.5	8921.1
12.5°	8154.1	8131.9	8225.7	8464.3	8944.9	9667.6	10479.0	10675.0	10170.4	9151.2
15°	7745.0	7717.7	7777.4	7898.4	8205.2	8878.5	10138.1	10927.2	10567.6	9417.1
17.5°	7654.7	7624.0	7649.6	7712.6	7910.3	8423.4	9623.3	11051.6	10981.8	9713.7
20°	7821.7	7796.1	7799.6	7796.1	7934.2	8341.6	9265.4	11003.9	11343.1	9986.4
22.5°	8225.7	8183.1	8184.8	8094.4	8169.4	8484.7	9171.6	10876.1	11665.2	10225.0
25°	8883.6	8806.9	8822.2	8592.1	8571.7	8805.2	9318.2	10777.2	11985.7	10415.9
27.5°	9783.5	9696.6	9650.6	9308.0	9144.4	9260.3	9616.5	10811.3	12289.1	10581.2
30°	10908.5	10802.8	10709.1	10223.3	9926.7	9884.1	10080.1	11036.3	12647.0	10755.1
32.5°	12287.4	12164.6	11994.2	11349.9	10932.3	10709.1	10680.1	11436.9	13066.3	10976.6
35°	13928.8	13768.5	13526.5	12693.0	12164.6	11707.9	11470.9	12014.7	13640.7	11310.7
37.5°	15619.6	15438.9	15217.3	14225.3	13575.9	12902.7	12435.7	12798.7	14406.0	11764.1
40°	17179.1	16976.3	16770.1	15887.2	15190.0	14378.7	13616.8	13790.7	15341.7	12306.1
42.5°	18099.5	17949.5	17871.1	17393.9	16855.3	16032.0	15086.1	14966.8	16393.4	12929.9
45°	18058.6	17997.3	18239.3	18437.0	18309.2	17852.4	16807.6	16267.3	17448.4	13470.3
47.5°	17093.9	17134.8	17675.1	18786.4	19275.6	19514.2	18767.7	17543.9	18365.4	13874.2
50°	14469.1	14503.2	15754.2	18150.7	19524.5	20869.3	20712.5	18789.8	19076.2	14121.4
52.5°	12391.3	12413.5	12950.4	16265.6	18702.9	21551.0	22464.6	19964.2	19596.0	14189.5
55°	9333.6	9410.3	10011.9	12761.2	16565.5	21010.7	23531.6	21174.4	19925.0	14196.4
57.5°	5452.5	5536.0	6279.2	8662.0	12875.4	19127.3	23693.5	22248.2	20148.3	14141.8
60°	2670.9	2706.7	3030.5	4552.6	7939.3	15498.6	22391.3	22768.0	20272.7	14112.8
62.5°	1799.9	1794.8	1808.4	2246.5	3911.7	9957.4	19677.9	21857.8	20206.2	14002.0
65°	1547.6	1528.9	1477.8	1576.6	2026.6	4554.3	15203.7	19141.0	19700.0	13724.2
67.5°	1338.0	1339.7	1341.4	1310.7	1447.1	2101.6	9290.9	15077.6	17883.1	12408.4
70°	1107.9	1123.2	1130.0	1130.0	1179.5	1378.9	3966.3	10334.1	14106.0	9729.0
72.5°	1009.0	976.6	980.1	963.0	963.0	1049.9	1597.1	5858.2	8887.0	5473.0
75°	823.2	843.7	847.1	835.2	796.0	801.1	947.7	2457.8	3802.6	2270.3
77.5°	710.8	710.8	717.6	709.1	678.4	600.0	632.4	952.8	1293.7	930.6
80°	571.0	569.3	598.3	615.3	567.6	443.2	404.0	526.7	574.4	409.1
82.5°	277.8	294.9	410.8	468.7	431.2	320.4	247.1	327.3	306.8	180.7
85°	161.9	153.4	184.1	260.8	247.1	177.3	119.3	170.4	160.2	92.0
87.5°	51.1	47.7	37.5	88.6	71.6	49.4	32.4	49.4	44.3	20.5
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
8261.5	0°	8261.5	8261.5	8261.5	8261.5	8261.5	8261.5	8261.5	8261.5	8261.5	8261.5
8288.7	2.5°	8167.7	7966.6	7767.2	7584.8	7474.0	7402.4	7330.8	7250.7	7220.0	7174.0
8310.9	5°	8085.9	7697.3	7351.3	7053.0	6782.0	6568.9	6354.2	6180.3	6101.9	6154.8
8380.8	7.5°	8038.2	7475.7	6942.2	6395.1	5868.4	5447.4	5081.0	4823.6	4707.7	4736.7
8449.0	10°	7995.6	7225.2	6412.1	5548.0	4791.2	4269.6	3894.7	3698.7	3625.4	3640.7
8541.0	12.5°	7956.4	6943.9	5773.0	4636.1	3831.6	3487.3	3379.9	3381.6	3395.3	3405.5
8687.6	15°	7949.5	6604.7	5058.8	3838.4	3313.4	3291.3	3407.2	3480.5	3519.7	3531.6
8810.3	17.5°	7939.3	6199.1	4331.0	3294.7	3187.3	3337.3	3444.7	3492.4	3523.1	3524.8
8929.6	20°	7898.4	5684.3	3659.5	3035.6	3160.0	3289.6	3356.1	3393.6	3419.1	3427.6
9019.9	22.5°	7772.3	5111.6	3136.2	2919.7	3051.0	3154.9	3233.3	3276.0	3291.3	3301.5
9037.0	25°	7545.6	4470.8	2774.8	2808.9	2899.3	3030.5	3093.6	3102.1	3097.0	3112.3
8994.4	27.5°	7249.0	3783.9	2549.9	2658.9	2774.8	2887.3	2921.4	2916.3	2906.1	2923.1
8921.1	30°	6891.1	3166.9	2406.7	2490.2	2648.7	2751.0	2781.7	2769.7	2749.3	2768.0
8883.6	32.5°	6512.7	2662.3	2289.1	2372.6	2544.7	2645.3	2676.0	2664.1	2648.7	2664.1
8926.2	35°	6159.9	2309.5	2180.0	2294.2	2462.9	2561.8	2601.0	2602.7	2602.7	2621.4
9038.7	37.5°	5836.0	2103.3	2089.7	2244.8	2406.7	2495.3	2551.6	2555.0	2481.7	2486.8
9229.6	40°	5536.0	2016.4	2048.7	2212.4	2352.1	2437.4	2440.8	2249.9	2115.2	2111.8
9447.8	42.5°	5290.6	1999.3	2060.7	2209.0	2312.9	2316.3	2076.0	1927.7	1890.2	1891.9
9648.9	45°	5060.5	1994.2	2087.9	2209.0	2255.0	2001.0	1839.1	1799.9	1803.3	1816.9
9739.2	47.5°	4803.1	1973.8	2093.1	2178.3	2087.9	1779.4	1731.7	1714.7	1707.9	1711.3
9718.8	50°	4521.9	1900.5	2028.3	2116.9	1801.6	1684.0	1624.3	1619.2	1627.7	1632.9
9604.6	52.5°	4225.3	1781.1	1917.5	2006.1	1670.4	1600.5	1534.0	1545.9	1583.4	1595.4
9485.3	55°	4031.0	1641.4	1770.9	1784.6	1578.3	1522.1	1465.8	1493.1	1563.0	1585.1
9413.7	57.5°	3979.9	1493.1	1603.9	1588.5	1460.7	1453.9	1419.8	1443.7	1532.3	1564.7
9410.3	60°	3964.5	1360.1	1440.3	1428.3	1346.5	1378.9	1370.4	1382.3	1413.0	1423.2
9376.2	62.5°	3845.2	1254.5	1293.7	1276.6	1244.2	1300.5	1320.9	1295.4	1319.2	1331.2
9142.7	65°	3541.8	1169.3	1150.5	1138.6	1152.2	1203.3	1244.2	1193.1	1215.3	1249.4
8242.7	67.5°	3040.7	1053.3	1002.2	1015.9	1058.5	1085.7	1138.6	1080.6	1099.4	1157.3
6638.8	70°	2459.5	906.8	860.7	899.9	940.9	997.1	1005.6	966.4	1010.7	1075.5
4051.5	72.5°	1740.2	758.5	726.1	806.2	819.8	893.1	874.4	855.6	917.0	939.2
2002.7	75°	1206.7	611.9	593.1	654.5	703.9	767.0	753.4	775.5	905.1	915.3
1000.5	77.5°	763.6	475.5	463.6	502.8	571.0	640.9	663.0	915.3	1545.9	1607.3
519.9	80°	443.2	354.5	340.9	371.6	431.2	496.0	639.2	1123.2	1019.3	1007.3
233.5	82.5°	247.1	243.7	226.7	235.2	288.1	357.9	903.4	790.9	642.6	663.0
93.7	85°	115.9	143.2	122.7	117.6	161.9	419.3	603.4	451.7	300.0	293.2
20.5	87.5°	30.7	27.3	27.3	30.7	68.2	361.3	240.3	192.6	114.2	110.8
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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