

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: P953002

Luminaire Tested: **GALN-SB6C-940-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953002
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-SB6C-940-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33469 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

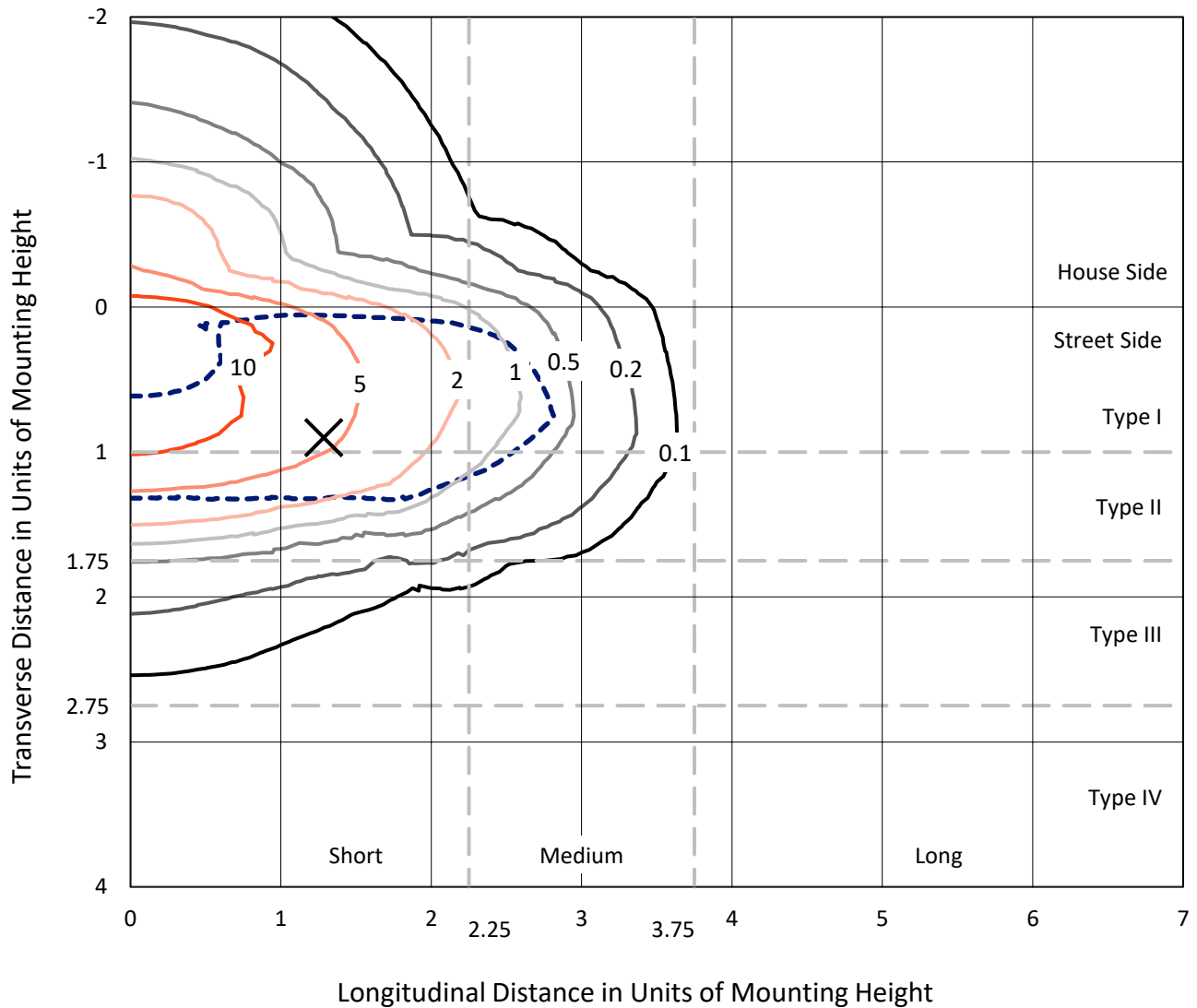
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

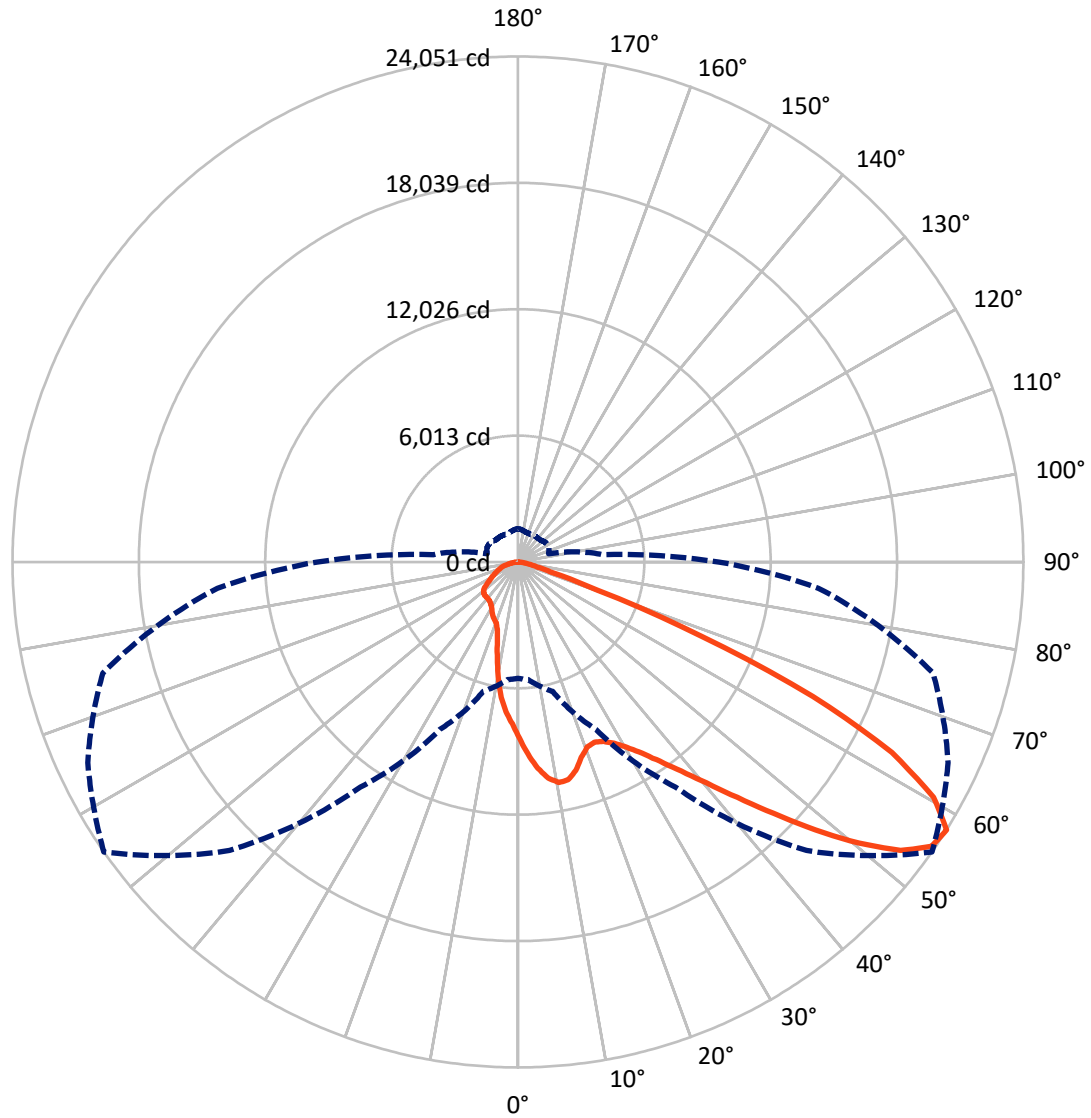
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.2 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	6056.1	0.0	6056.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	27413.0	0.0	27413.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	33469.0	0.0	33469.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	778.2	2.3
10°-20°	1964.2	5.9
20°-30°	3134.3	9.4
30°-40°	4962.4	14.8
40°-50°	7595.4	22.7
50°-60°	8135.4	24.3
60°-70°	5118.0	15.3
70°-80°	1513.5	4.5
80°-90°	267.6	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°	33469.0	100.0
0°-180°	33469.0	100.0

Coefficient of Utilization



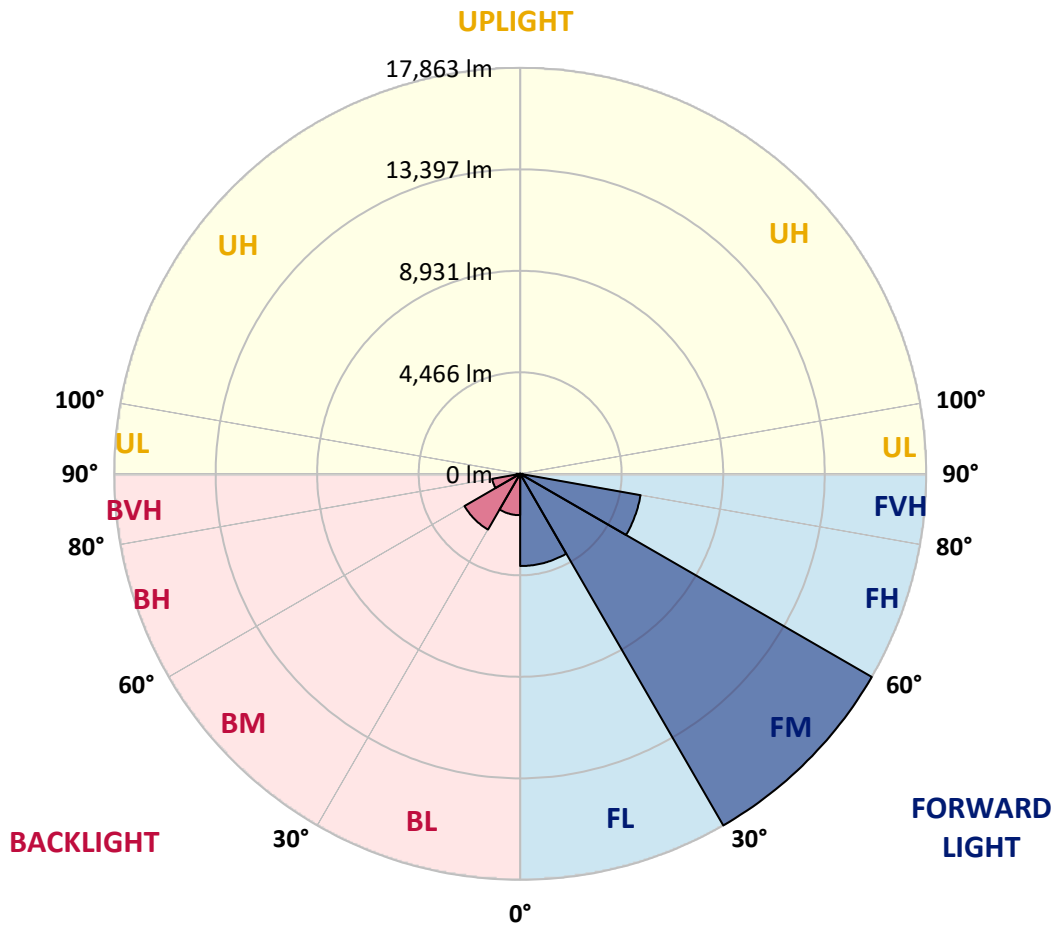
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4056.4	12.1			
FM (30°-60°)	17862.6	53.4			
FH (60°-80°)	5380.8	16.1			G3/7500
FVH (80°-90°)	113.1	0.3			G2/225
BL (0°-30°)	1820.2	5.4	B3/2500		
BM (30°-60°)	2830.5	8.5	B3/5000		
BH (60°-80°)	1250.7	3.7	B3/2500		G3/2500
BVH (80°-90°)	154.5	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°	8386.2	8386.2	8386.2	8386.2	8386.2	8386.2	8386.2	8386.2	8386.2	8386.2
2.5°	9621.6	9614.7	9652.7	9523.0	9434.7	9315.4	9157.9	8957.2	8740.9	8512.5
5°	10488.4	10427.9	10467.7	10370.8	10273.9	10093.9	9860.4	9533.4	9133.7	8678.6
7.5°	10351.7	10310.2	10412.3	10498.8	10571.5	10549.0	10377.7	10035.1	9519.5	8858.6
10°	9249.6	9202.9	9346.5	9645.8	10085.3	10467.7	10675.3	10462.5	9914.0	9055.8
12.5°	8277.2	8254.8	8349.9	8592.1	9080.1	9813.7	10637.2	10836.2	10324.1	9289.4
15°	7862.0	7834.3	7894.9	8017.7	8329.1	9012.6	10291.2	11092.3	10727.2	9559.3
17.5°	7770.3	7739.2	7765.1	7829.1	8029.8	8550.6	9768.7	11218.6	11147.6	9860.4
20°	7939.9	7913.9	7917.4	7913.9	8054.0	8467.6	9405.3	11170.1	11514.4	10137.2
22.5°	8349.9	8306.7	8308.4	8216.7	8292.8	8612.9	9310.2	11040.4	11841.4	10379.4
25°	9017.8	8939.9	8955.5	8721.9	8701.1	8938.2	9459.0	10940.0	12166.7	10573.2
27.5°	9931.3	9843.1	9796.4	9448.6	9282.5	9400.1	9761.7	10974.6	12474.7	10741.0
30°	11073.2	10966.0	10870.8	10377.7	10076.6	10033.4	10232.4	11203.0	12838.0	10917.5
32.5°	12473.0	12348.4	12175.4	11521.4	11097.5	10870.8	10841.4	11609.6	13263.7	11142.4
35°	14139.1	13976.5	13730.8	12884.7	12348.4	11884.7	11644.2	12196.1	13846.7	11481.6
37.5°	15855.5	15672.1	15447.2	14440.2	13781.0	13097.6	12623.5	12992.0	14623.6	11941.8
40°	17438.6	17232.7	17023.4	16127.1	15419.5	14595.9	13822.5	13999.0	15573.5	12492.0
42.5°	18372.9	18220.7	18141.1	17656.6	17109.9	16274.2	15313.9	15192.8	16641.0	13125.2
45°	18331.4	18269.1	18514.8	18715.5	18585.7	18122.0	17061.4	16513.0	17712.0	13673.7
47.5°	17352.1	17393.6	17942.1	19070.2	19566.8	19809.0	19051.2	17808.9	18642.8	14083.8
50°	14687.6	14722.2	15992.2	18424.8	19819.4	21184.5	21025.3	19073.6	19364.3	14334.6
52.5°	12578.5	12601.0	13146.0	16511.2	18985.4	21876.6	22803.9	20265.7	19892.0	14403.9
55°	9474.5	9552.4	10163.2	12954.0	16815.7	21328.1	23887.0	21494.2	20226.0	14410.8
57.5°	5534.9	5619.7	6374.0	8792.8	13069.9	19416.2	24051.4	22584.2	20452.6	14355.4
60°	2711.2	2747.5	3076.3	4621.3	8059.2	15732.6	22729.5	23111.9	20578.9	14326.0
62.5°	1827.1	1821.9	1835.7	2280.4	3970.8	10107.8	19975.1	22188.0	20511.4	14213.5
65°	1571.0	1552.0	1500.1	1600.4	2057.2	4623.1	15433.3	19430.1	19997.6	13931.5
67.5°	1358.2	1359.9	1361.7	1330.5	1468.9	2133.3	9431.3	15305.3	18153.2	12595.8
70°	1124.6	1140.2	1147.1	1147.1	1197.3	1399.7	4026.2	10490.2	14319.1	9875.9
72.5°	1024.3	991.4	994.9	977.6	977.6	1065.8	1621.2	5946.7	9021.2	5555.6
75°	835.7	856.4	859.9	847.8	808.0	813.2	962.0	2494.9	3860.1	2304.6
77.5°	721.5	721.5	728.4	719.8	688.6	609.0	641.9	967.2	1313.2	944.7
80°	579.6	577.9	607.3	624.6	576.2	449.9	410.1	534.6	583.1	415.2
82.5°	282.0	299.3	417.0	475.8	437.7	325.3	250.9	332.2	311.4	183.4
85°	164.4	155.7	186.9	264.7	250.9	179.9	121.1	173.0	162.6	93.4
87.5°	51.9	48.4	38.1	90.0	72.7	50.2	32.9	50.2	45.0	20.8
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°
8386.2	0°	8386.2	8386.2	8386.2	8386.2	8386.2	8386.2	8386.2	8386.2	8386.2	8386.2
8413.9	2.5°	8291.1	8086.9	7884.5	7699.4	7586.9	7514.2	7441.6	7360.2	7329.1	7282.4
8436.4	5°	8208.0	7813.6	7462.3	7159.5	6884.4	6668.2	6450.2	6273.7	6194.1	6247.7
8507.4	7.5°	8159.6	7588.6	7047.1	6491.7	5957.1	5529.7	5157.7	4896.4	4778.8	4808.2
8576.6	10°	8116.3	7334.3	6509.0	5631.8	4863.6	4334.1	3953.5	3754.5	3680.1	3695.7
8670.0	12.5°	8076.5	7048.8	5860.2	4706.1	3889.5	3540.0	3431.0	3432.7	3446.5	3456.9
8818.8	15°	8069.6	6704.5	5135.2	3896.4	3363.5	3341.0	3458.7	3533.1	3572.8	3585.0
8943.4	17.5°	8059.2	6292.7	4396.4	3344.5	3235.5	3387.7	3496.7	3545.2	3576.3	3578.0
9064.5	20°	8017.7	5770.2	3714.7	3081.5	3207.8	3339.3	3406.7	3444.8	3470.8	3479.4
9156.2	22.5°	7889.7	5188.8	3183.6	2963.8	3097.0	3202.6	3282.2	3325.4	3341.0	3351.4
9173.5	25°	7659.6	4538.3	2816.8	2851.4	2943.1	3076.3	3140.3	3149.0	3143.8	3159.3
9130.2	27.5°	7358.5	3841.0	2588.4	2699.1	2816.8	2930.9	2965.6	2960.4	2950.0	2967.3
9055.8	30°	6995.2	3214.7	2443.0	2527.8	2688.7	2792.5	2823.7	2811.6	2790.8	2809.8
9017.8	32.5°	6611.1	2702.6	2323.6	2408.4	2583.2	2685.3	2716.4	2704.3	2688.7	2704.3
9061.0	35°	6252.9	2344.4	2212.9	2328.8	2500.1	2600.5	2640.3	2642.0	2642.0	2661.0
9175.2	37.5°	5924.2	2135.1	2121.2	2278.7	2443.0	2533.0	2590.1	2593.6	2519.2	2524.4
9369.0	40°	5619.7	2046.8	2079.7	2245.8	2387.7	2474.2	2477.6	2283.9	2147.2	2143.7
9590.5	42.5°	5370.5	2029.5	2091.8	2242.3	2347.9	2351.3	2107.4	1956.8	1918.8	1920.5
9794.6	45°	5136.9	2024.3	2119.5	2242.3	2289.0	2031.2	1866.9	1827.1	1830.5	1844.4
9886.3	47.5°	4875.7	2003.6	2124.7	2211.2	2119.5	1806.3	1757.9	1740.6	1733.7	1737.1
9865.6	50°	4590.2	1929.2	2058.9	2148.9	1828.8	1709.4	1648.9	1643.7	1652.3	1657.5
9749.6	52.5°	4289.1	1808.1	1946.5	2036.4	1695.6	1624.7	1557.2	1569.3	1607.3	1619.5
9628.5	55°	4091.9	1666.2	1797.7	1811.5	1602.2	1545.1	1488.0	1515.6	1586.6	1609.1
9555.9	57.5°	4040.0	1515.6	1628.1	1612.5	1482.8	1475.9	1441.3	1465.5	1555.4	1588.3
9552.4	60°	4024.4	1380.7	1462.0	1449.9	1366.9	1399.7	1391.1	1403.2	1434.3	1444.7
9517.8	62.5°	3903.3	1273.4	1313.2	1295.9	1263.0	1320.1	1340.9	1314.9	1339.2	1351.3
9280.8	65°	3595.3	1186.9	1167.9	1155.8	1169.6	1221.5	1263.0	1211.1	1233.6	1268.2
8367.2	67.5°	3086.7	1069.3	1017.4	1031.2	1074.4	1102.1	1155.8	1096.9	1116.0	1174.8
6739.1	70°	2496.7	920.5	873.7	913.5	955.1	1012.2	1020.8	981.0	1026.0	1091.8
4112.7	72.5°	1766.5	769.9	737.1	818.4	832.2	906.6	887.6	868.6	930.8	953.3
2033.0	75°	1225.0	621.1	602.1	664.4	714.6	778.6	764.7	787.2	918.7	929.1
1015.6	77.5°	775.1	482.7	470.6	510.4	579.6	650.6	673.0	929.1	1569.3	1631.6
527.7	80°	449.9	359.9	346.0	377.2	437.7	503.5	648.8	1140.2	1034.7	1022.5
237.0	82.5°	250.9	247.4	230.1	238.8	292.4	363.3	917.0	802.8	652.3	673.0
95.2	85°	117.7	145.3	124.6	119.4	164.4	425.6	612.5	458.5	304.5	297.6
20.8	87.5°	31.1	27.7	27.7	31.1	69.2	366.8	244.0	195.5	115.9	112.5
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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