

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: P948487

Luminaire Tested: **GALN-SB3C-740-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948487
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-SB3C-740-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24177 lumens
Efficiency: N/A
Efficacy: 162.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

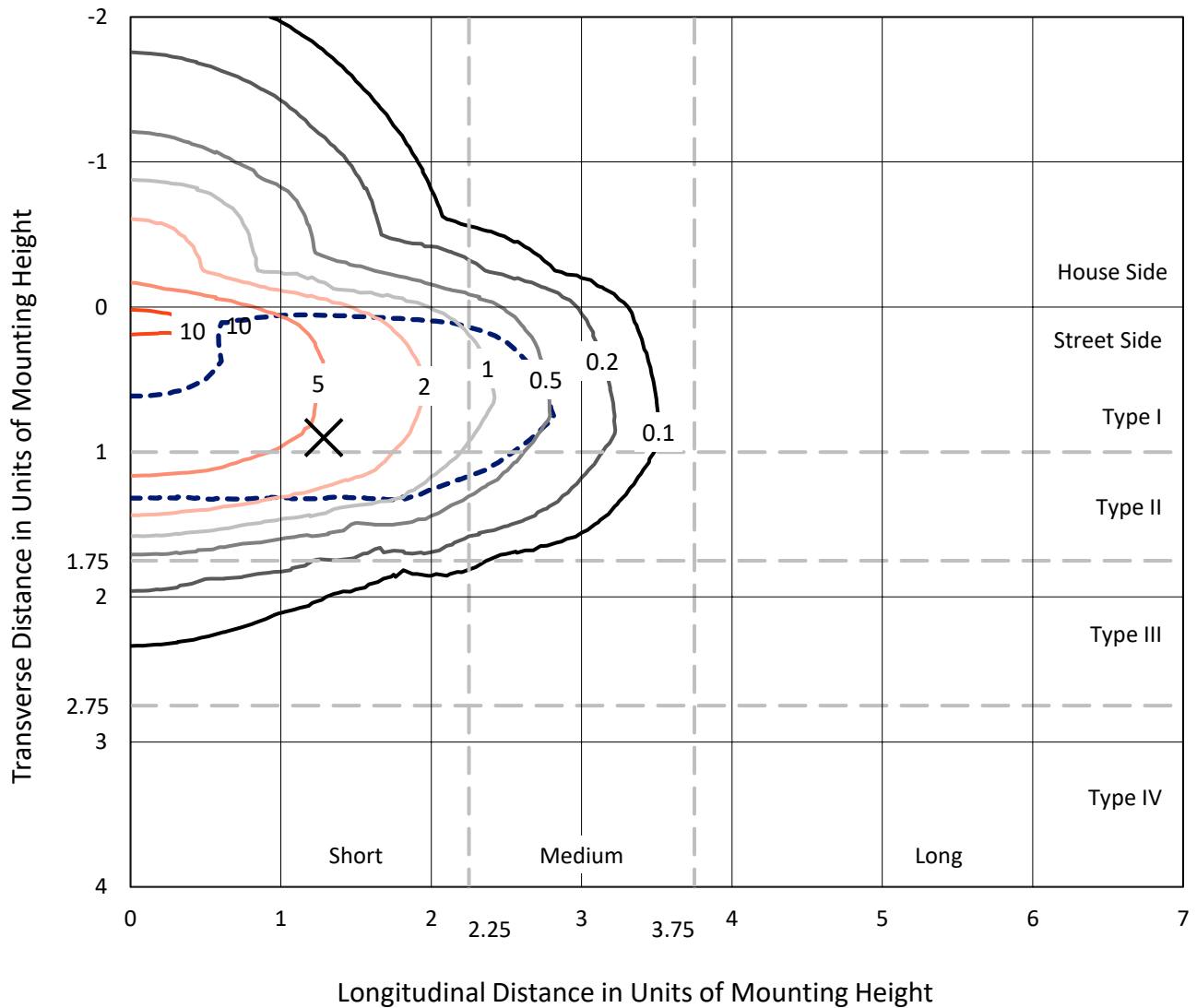
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

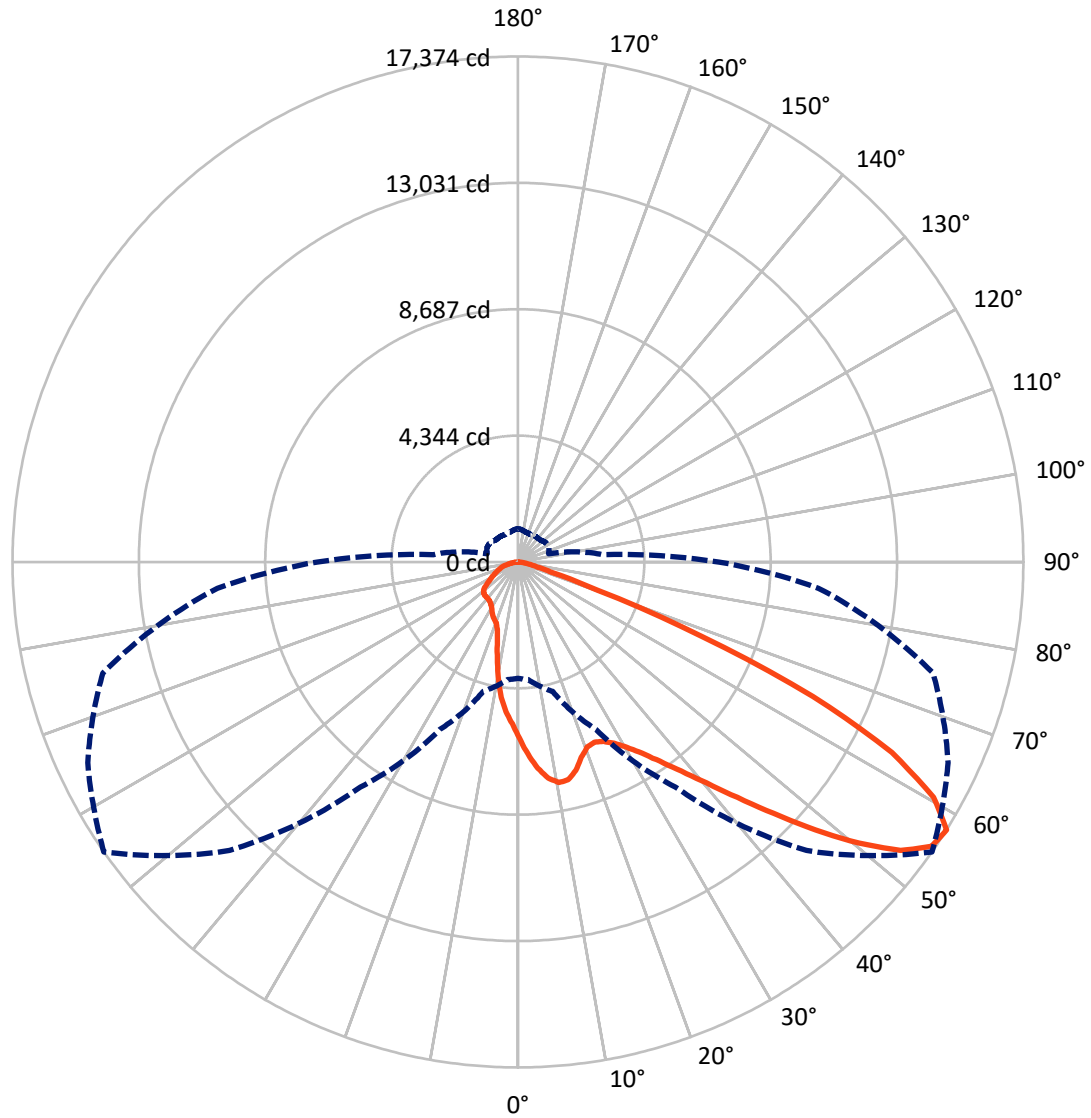
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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	4374.7	0.0	4374.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	19802.3	0.0	19802.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	24177.0	0.0	24177.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	562.1	2.3
10°-20°	1418.9	5.9
20°-30°	2264.1	9.4
30°-40°	3584.7	14.8
40°-50°	5486.7	22.7
50°-60°	5876.8	24.3
60°-70°	3697.1	15.3
70°-80°	1093.3	4.5
80°-90°	193.3	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°	24177.0	100.0
0°-180°	24177.0	100.0

Coefficient of Utilization



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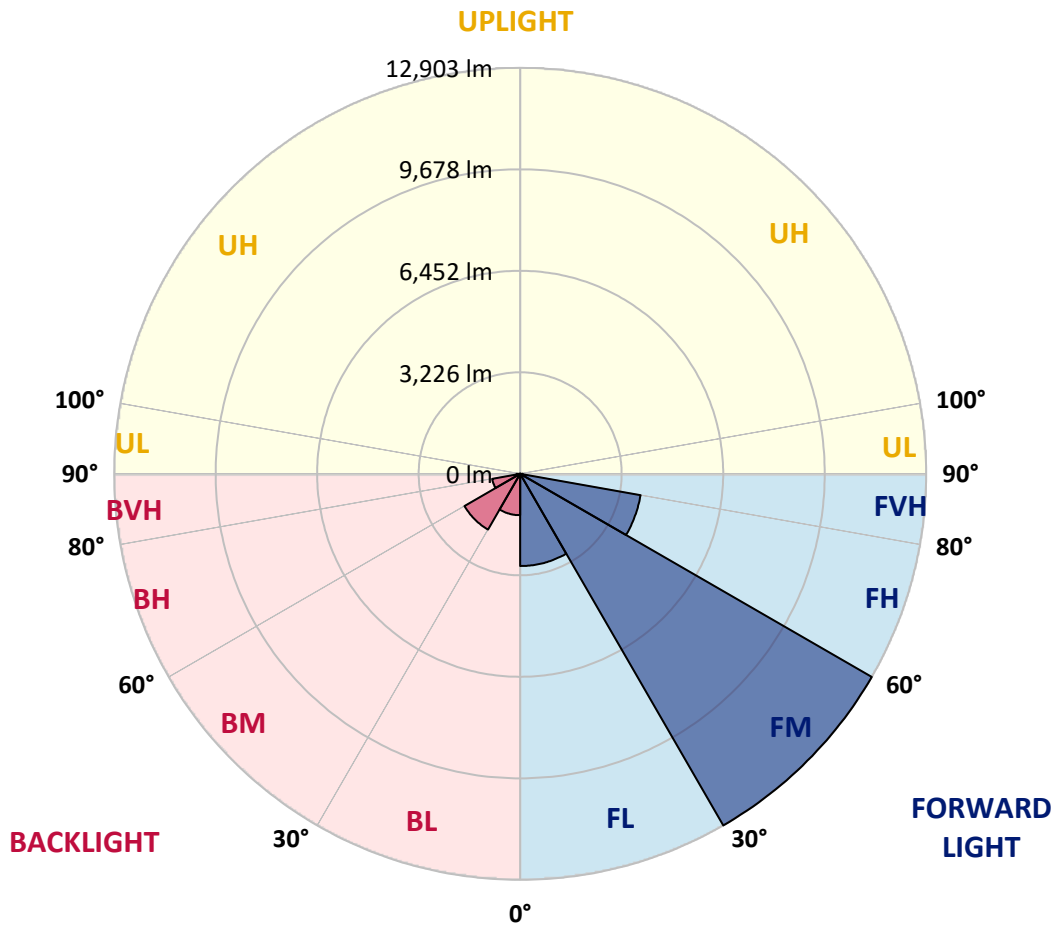
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2930.3	12.1			
FM (30°-60°)	12903.4	53.4			
FH (60°-80°)	3886.9	16.1			G2/5000
FVH (80°-90°)	81.7	0.3			G1/100
BL (0°-30°)	1314.9	5.4	B3/2500		
BM (30°-60°)	2044.7	8.5	B2/2500		
BH (60°-80°)	903.5	3.7	B2/1000		G2/1000
BVH (80°-90°)	111.6	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6058.0	6058.0	6058.0	6058.0	6058.0	6058.0	6058.0	6058.0	6058.0	6058.0
2.5°	6950.4	6945.4	6972.9	6879.1	6815.4	6729.1	6615.4	6470.4	6314.2	6149.2
5°	7576.5	7532.8	7561.5	7491.5	7421.5	7291.6	7122.8	6886.6	6597.9	6269.2
7.5°	7477.8	7447.8	7521.5	7584.0	7636.5	7620.3	7496.5	7249.1	6876.6	6399.2
10°	6681.6	6647.9	6751.6	6967.9	7285.3	7561.5	7711.5	7557.8	7161.6	6541.7
12.5°	5979.2	5963.0	6031.7	6206.7	6559.2	7089.1	7684.0	7827.7	7457.8	6710.4
15°	5679.3	5659.3	5703.0	5791.8	6016.7	6510.4	7434.0	8012.7	7749.0	6905.4
17.5°	5613.0	5590.5	5609.3	5655.5	5800.5	6176.7	7056.6	8104.0	8052.7	7122.8
20°	5735.5	5716.8	5719.3	5716.8	5818.0	6116.7	6794.1	8069.0	8317.7	7322.8
22.5°	6031.7	6000.5	6001.7	5935.5	5990.5	6221.7	6725.4	7975.2	8553.9	7497.8
25°	6514.2	6457.9	6469.2	6300.4	6285.4	6456.7	6832.9	7902.7	8788.9	7637.8
27.5°	7174.1	7110.3	7076.6	6825.4	6705.4	6790.4	7051.6	7927.7	9011.3	7759.0
30°	7999.0	7921.5	7852.7	7496.5	7279.1	7247.8	7391.6	8092.7	9273.8	7886.5
32.5°	9010.1	8920.1	8795.1	8322.7	8016.5	7852.7	7831.5	8386.4	9581.3	8049.0
35°	10213.7	10096.2	9918.7	9307.6	8920.1	8585.1	8411.4	8810.1	10002.5	8293.9
37.5°	11453.5	11321.0	11158.6	10431.2	9955.0	9461.3	9118.8	9385.0	10563.6	8626.4
40°	12597.1	12448.4	12297.2	11649.8	11138.6	10543.6	9985.0	10112.5	11249.8	9023.8
42.5°	13272.0	13162.1	13104.6	12754.6	12359.7	11756.0	11062.3	10974.8	12021.0	9481.3
45°	13242.0	13197.1	13374.5	13519.5	13425.8	13090.8	12324.7	11928.5	12794.6	9877.5
47.5°	12534.6	12564.6	12960.8	13775.7	14134.4	14309.4	13762.0	12864.6	13467.0	10173.7
50°	10609.9	10634.9	11552.3	13309.5	14316.9	15303.0	15188.0	13778.2	13988.2	10354.9
52.5°	9086.3	9102.6	9496.3	11927.2	13714.5	15803.0	16472.9	14639.4	14369.4	10404.9
55°	6844.1	6900.4	7341.6	9357.5	12147.2	15406.8	17255.3	15526.8	14610.6	10409.9
57.5°	3998.2	4059.5	4604.4	6351.7	9441.3	14025.7	17374.0	16314.2	14774.4	10369.9
60°	1958.5	1984.7	2222.2	3338.3	5821.8	11364.8	16419.1	16695.4	14865.6	10348.7
62.5°	1319.8	1316.1	1326.1	1647.3	2868.4	7301.6	14429.4	16027.9	14816.8	10267.4
65°	1134.9	1121.1	1083.6	1156.1	1486.1	3339.6	11148.6	14035.7	14445.6	10063.7
67.5°	981.1	982.4	983.6	961.1	1061.1	1541.1	6812.9	11056.1	13113.3	9098.8
70°	812.4	823.6	828.6	828.6	864.9	1011.1	2908.4	7577.8	10343.7	7134.1
72.5°	739.9	716.2	718.7	706.2	706.2	769.9	1171.1	4295.7	6516.7	4013.2
75°	603.7	618.7	621.2	612.4	583.7	587.4	694.9	1802.3	2788.4	1664.8
77.5°	521.2	521.2	526.2	519.9	497.4	439.9	463.7	698.7	948.6	682.4
80°	418.7	417.4	438.7	451.2	416.2	325.0	296.2	386.2	421.2	300.0
82.5°	203.7	216.2	301.2	343.7	316.2	235.0	181.2	240.0	225.0	132.5
85°	118.7	112.5	135.0	191.2	181.2	130.0	87.5	125.0	117.5	67.5
87.5°	37.5	35.0	27.5	65.0	52.5	36.2	23.7	36.2	32.5	15.0
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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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
6058.0	0°	6058.0	6058.0	6058.0	6058.0	6058.0	6058.0	6058.0	6058.0	6058.0	6058.0
6078.0	2.5°	5989.2	5841.7	5695.5	5561.8	5480.5	5428.1	5375.6	5316.8	5294.3	5260.6
6094.2	5°	5929.2	5644.3	5390.6	5171.8	4973.1	4816.9	4659.4	4531.9	4474.4	4513.2
6145.5	7.5°	5894.2	5481.8	5090.6	4689.4	4303.2	3994.5	3725.8	3537.0	3452.1	3473.3
6195.5	10°	5863.0	5298.1	4701.9	4068.2	3513.3	3130.8	2855.9	2712.2	2658.4	2669.7
6262.9	12.5°	5834.3	5091.8	4233.2	3399.6	2809.6	2557.2	2478.4	2479.7	2489.7	2497.2
6370.4	15°	5829.3	4843.1	3709.5	2814.6	2429.7	2413.4	2498.4	2552.2	2580.9	2589.7
6460.4	17.5°	5821.8	4545.7	3175.8	2415.9	2337.2	2447.2	2525.9	2560.9	2583.4	2584.7
6547.9	20°	5791.8	4168.2	2683.4	2226.0	2317.2	2412.2	2460.9	2488.4	2507.2	2513.4
6614.1	22.5°	5699.3	3748.3	2299.7	2141.0	2237.2	2313.5	2370.9	2402.2	2413.4	2420.9
6626.6	25°	5533.0	3278.3	2034.7	2059.7	2126.0	2222.2	2268.5	2274.7	2271.0	2282.2
6595.4	27.5°	5315.6	2774.6	1869.8	1949.7	2034.7	2117.2	2142.2	2138.5	2131.0	2143.5
6541.7	30°	5053.1	2322.2	1764.8	1826.0	1942.3	2017.2	2039.7	2031.0	2016.0	2029.7
6514.2	32.5°	4775.6	1952.2	1678.5	1739.8	1866.0	1939.8	1962.2	1953.5	1942.3	1953.5
6545.4	35°	4516.9	1693.5	1598.5	1682.3	1806.0	1878.5	1907.3	1908.5	1908.5	1922.3
6627.9	37.5°	4279.5	1542.3	1532.3	1646.0	1764.8	1829.8	1871.0	1873.5	1819.8	1823.5
6767.9	40°	4059.5	1478.6	1502.3	1622.3	1724.8	1787.3	1789.8	1649.8	1551.1	1548.6
6927.9	42.5°	3879.5	1466.1	1511.1	1619.8	1696.0	1698.5	1522.3	1413.6	1386.1	1387.3
7075.3	45°	3710.8	1462.3	1531.1	1619.8	1653.5	1467.3	1348.6	1319.8	1322.3	1332.3
7141.6	47.5°	3522.0	1447.3	1534.8	1597.3	1531.1	1304.8	1269.8	1257.3	1252.3	1254.8
7126.6	50°	3315.8	1393.6	1487.3	1552.3	1321.1	1234.8	1191.1	1187.3	1193.6	1197.3
7042.8	52.5°	3098.4	1306.1	1406.1	1471.1	1224.8	1173.6	1124.9	1133.6	1161.1	1169.8
6955.4	55°	2955.9	1203.6	1298.6	1308.6	1157.4	1116.1	1074.9	1094.9	1146.1	1162.4
6902.9	57.5°	2918.4	1094.9	1176.1	1164.9	1071.1	1066.1	1041.1	1058.6	1123.6	1147.4
6900.4	60°	2907.1	997.4	1056.1	1047.4	987.4	1011.1	1004.9	1013.6	1036.1	1043.6
6875.4	62.5°	2819.6	919.9	948.6	936.1	912.4	953.6	968.6	949.9	967.4	976.1
6704.1	65°	2597.2	857.4	843.6	834.9	844.9	882.4	912.4	874.9	891.1	916.1
6044.2	67.5°	2229.7	772.4	734.9	744.9	776.2	796.1	834.9	792.4	806.1	848.6
4868.1	70°	1803.5	664.9	631.2	659.9	689.9	731.2	737.4	708.7	741.2	788.6
2970.9	72.5°	1276.1	556.2	532.4	591.2	601.2	654.9	641.2	627.4	672.4	688.7
1468.6	75°	884.9	448.7	434.9	479.9	516.2	562.4	552.4	568.7	663.7	671.2
733.7	77.5°	559.9	348.7	340.0	368.7	418.7	469.9	486.2	671.2	1133.6	1178.6
381.2	80°	325.0	260.0	250.0	272.5	316.2	363.7	468.7	823.6	747.4	738.7
171.2	82.5°	181.2	178.7	166.2	172.5	211.2	262.5	662.4	579.9	471.2	486.2
68.7	85°	85.0	105.0	90.0	86.2	118.7	307.5	442.4	331.2	220.0	215.0
15.0	87.5°	22.5	20.0	20.0	22.5	50.0	265.0	176.2	141.2	83.7	81.2
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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