

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: P948739

Luminaire Tested: **GALN-SB3C-950-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948739
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-950-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15897 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

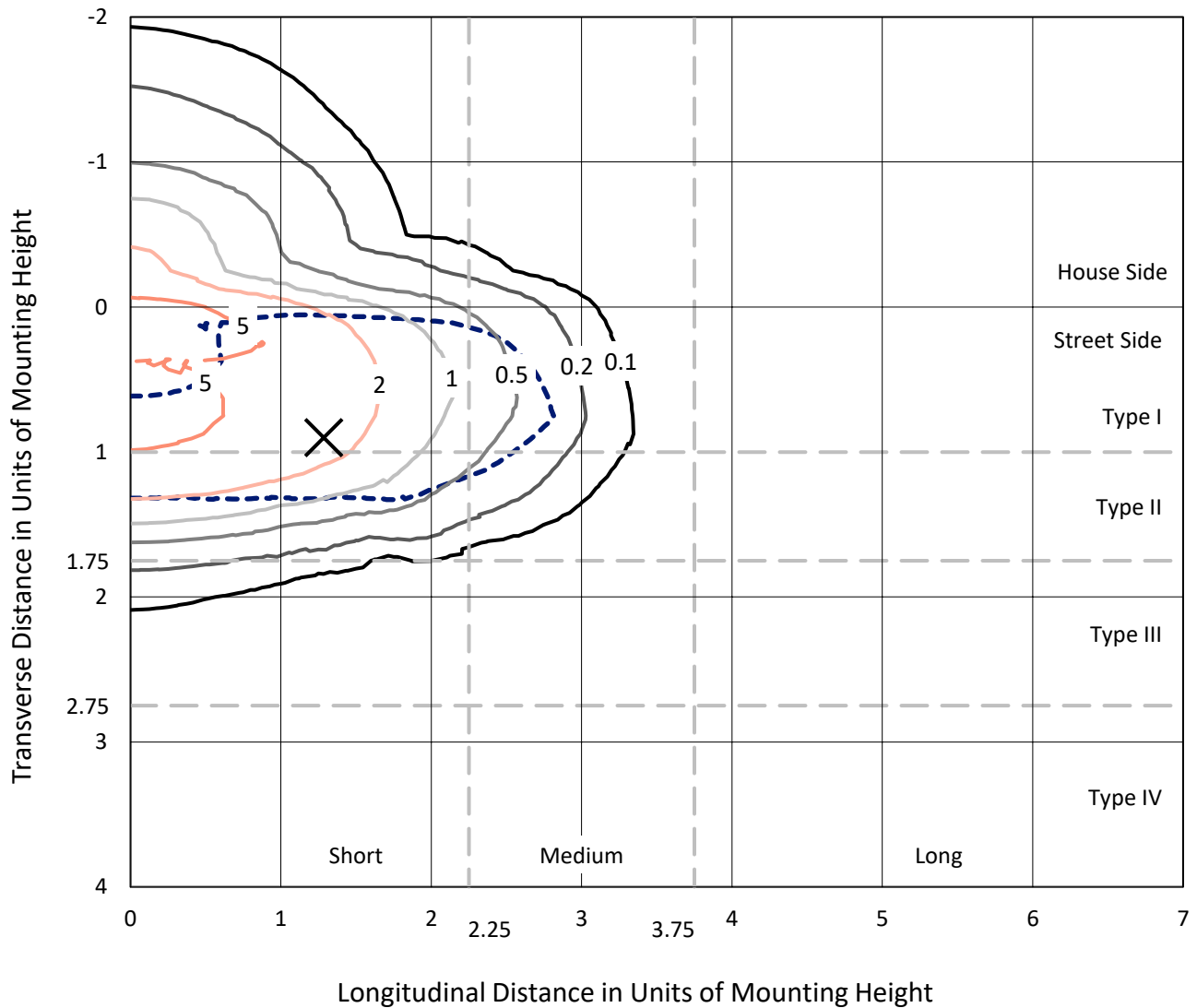
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

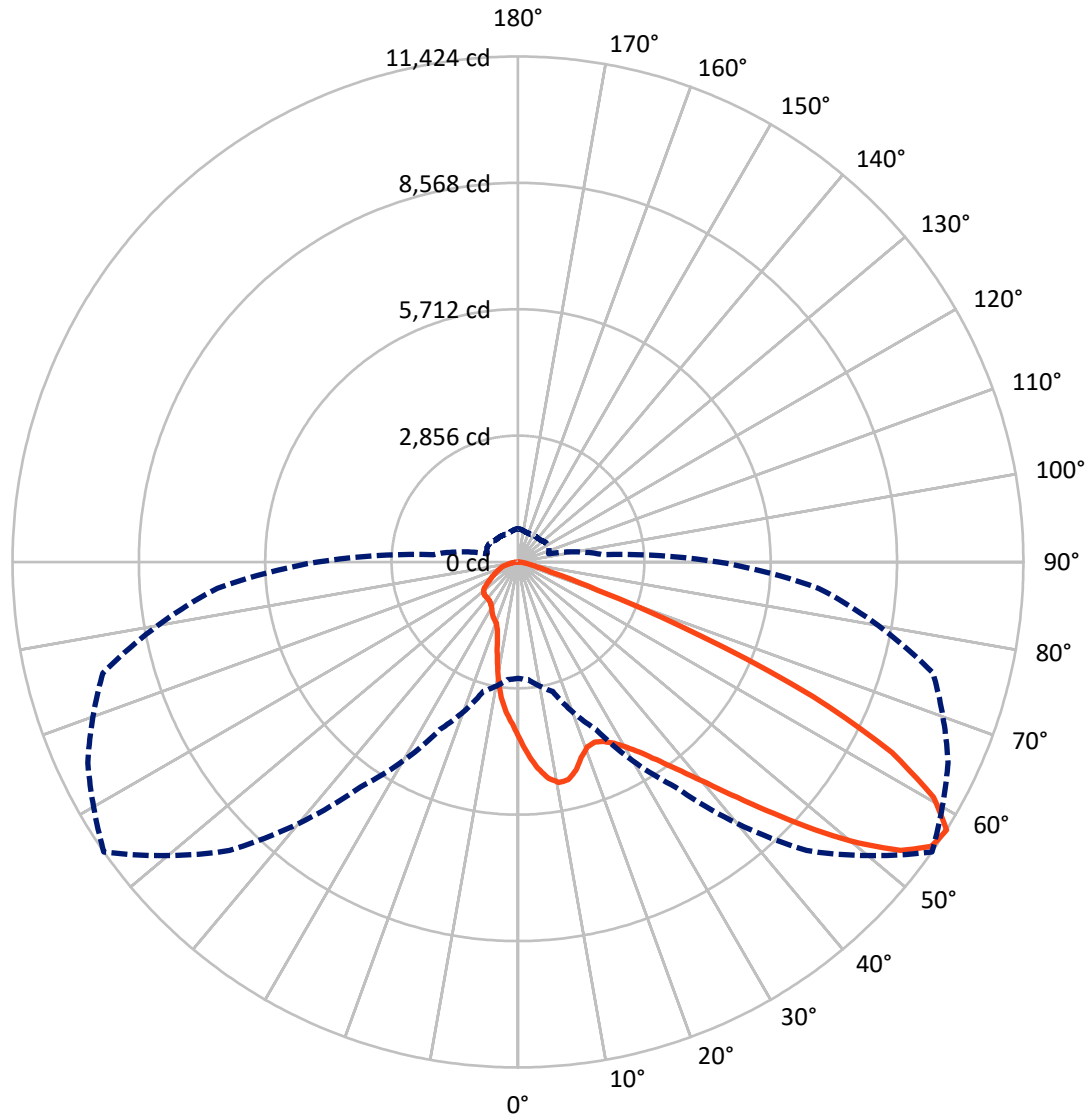
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	2876.5	0.0	2876.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13020.5	0.0	13020.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	15897.0	0.0	15897.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.6	2.3
10°-20°	932.9	5.9
20°-30°	1488.7	9.4
30°-40°	2357.0	14.8
40°-50°	3607.6	22.7
50°-60°	3864.1	24.3
60°-70°	2430.9	15.3
70°-80°	718.9	4.5
80°-90°	127.1	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°	15897.0	100.0
0°-180°	15897.0	100.0

Coefficient of Utilization



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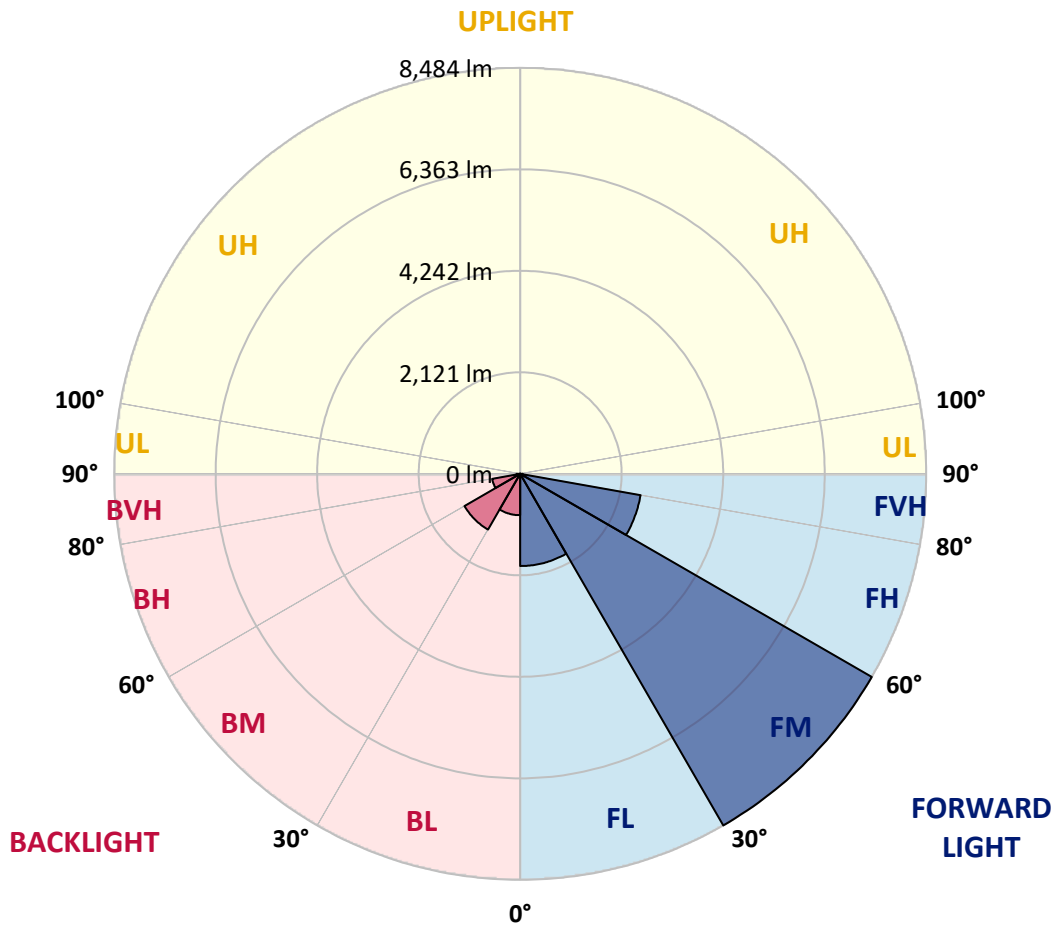
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1926.7	12.1			
FM (30°-60°)	8484.3	53.4			
FH (60°-80°)	2555.8	16.1			G2/5000
FVH (80°-90°)	53.7	0.3			G1/100
BL (0°-30°)	864.6	5.4	B2/1000		
BM (30°-60°)	1344.4	8.5	B2/2500		
BH (60°-80°)	594.1	3.7	B2/1000		G2/1000
BVH (80°-90°)	73.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3983.3	3983.3	3983.3	3983.3	3983.3	3983.3	3983.3	3983.3	3983.3	3983.3
2.5°	4570.0	4566.8	4584.8	4523.2	4481.3	4424.6	4349.8	4254.5	4151.7	4043.3
5°	4981.8	4953.0	4971.9	4925.9	4879.9	4794.4	4683.4	4528.1	4338.3	4122.2
7.5°	4916.8	4897.1	4945.6	4986.7	5021.2	5010.5	4929.2	4766.4	4521.6	4207.6
10°	4393.4	4371.2	4439.4	4581.5	4790.3	4971.9	5070.5	4969.4	4708.9	4301.3
12.5°	3931.5	3920.8	3966.0	4081.1	4312.8	4661.3	5052.4	5146.9	4903.7	4412.3
15°	3734.3	3721.1	3749.9	3808.2	3956.2	4280.8	4888.1	5268.6	5095.2	4540.5
17.5°	3690.7	3675.9	3688.2	3718.7	3814.0	4061.3	4639.9	5328.6	5294.9	4683.4
20°	3771.2	3758.9	3760.6	3758.9	3825.5	4021.9	4467.3	5305.6	5469.1	4814.9
22.5°	3966.0	3945.5	3946.3	3902.7	3938.9	4090.9	4422.1	5243.9	5624.4	4930.0
25°	4283.2	4246.2	4253.6	4142.7	4132.8	4245.4	4492.8	5196.3	5778.9	5022.0
27.5°	4717.1	4675.2	4653.0	4487.9	4409.0	4464.8	4636.6	5212.7	5925.2	5101.7
30°	5259.5	5208.6	5163.4	4929.2	4786.2	4765.6	4860.1	5321.2	6097.8	5185.6
32.5°	5924.4	5865.2	5783.0	5472.4	5271.0	5163.4	5149.4	5514.3	6299.9	5292.4
35°	6715.8	6638.5	6521.8	6120.0	5865.2	5645.0	5530.7	5792.9	6576.9	5453.5
37.5°	7531.0	7443.9	7337.0	6858.8	6545.6	6221.0	5995.9	6170.9	6945.9	5672.1
40°	8282.9	8185.1	8085.7	7660.0	7323.9	6932.7	6565.4	6649.2	7397.0	5933.4
42.5°	8726.7	8654.4	8616.6	8386.5	8126.8	7729.9	7273.8	7216.2	7904.1	6234.2
45°	8707.0	8677.4	8794.1	8889.4	8827.8	8607.5	8103.8	7843.3	8412.8	6494.7
47.5°	8241.8	8261.6	8522.1	9057.9	9293.8	9408.8	9048.9	8458.8	8854.9	6689.5
50°	6976.3	6992.7	7595.9	8751.4	9413.7	10062.1	9986.5	9059.5	9197.6	6808.6
52.5°	5974.5	5985.2	6244.0	7842.5	9017.6	10390.9	10831.3	9625.8	9448.3	6841.5
55°	4500.2	4537.2	4827.3	6152.8	7987.1	10130.3	11345.8	10209.2	9606.9	6844.8
57.5°	2628.9	2669.2	3027.5	4176.4	6207.9	9222.3	11423.9	10727.0	9714.5	6818.5
60°	1287.8	1305.0	1461.2	2195.0	3828.0	7472.6	10796.0	10977.6	9774.5	6804.5
62.5°	867.8	865.4	871.9	1083.1	1886.0	4801.0	9487.7	10538.8	9742.5	6751.1
65°	746.2	737.2	712.5	760.2	977.1	2195.9	7330.5	9228.8	9498.4	6617.1
67.5°	645.1	645.9	646.8	632.0	697.7	1013.3	4479.6	7269.7	8622.3	5982.7
70°	534.2	541.6	544.9	544.9	568.7	664.8	1912.3	4982.6	6801.2	4690.8
72.5°	486.5	470.9	472.5	464.3	464.3	506.2	770.0	2824.5	4284.9	2638.8
75°	396.9	406.8	408.4	402.7	383.8	386.2	456.9	1185.0	1833.4	1094.6
77.5°	342.7	342.7	346.0	341.9	327.1	289.3	304.9	459.4	623.7	448.7
80°	275.3	274.5	288.5	296.7	273.7	213.7	194.8	253.9	276.9	197.2
82.5°	134.0	142.2	198.1	226.0	207.9	154.5	119.2	157.8	147.9	87.1
85°	78.1	74.0	88.8	125.7	119.2	85.5	57.5	82.2	77.2	44.4
87.5°	24.7	23.0	18.1	42.7	34.5	23.8	15.6	23.8	21.4	9.9
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°
3983.3	0°	3983.3	3983.3	3983.3	3983.3	3983.3	3983.3	3983.3	3983.3	3983.3	3983.3
3996.4	2.5°	3938.1	3841.1	3744.9	3657.0	3603.6	3569.1	3534.6	3495.9	3481.2	3459.0
4007.1	5°	3898.6	3711.3	3544.4	3400.6	3269.9	3167.2	3063.7	2979.9	2942.0	2967.5
4040.8	7.5°	3875.6	3604.4	3347.2	3083.4	2829.5	2626.5	2449.8	2325.7	2269.8	2283.8
4073.7	10°	3855.1	3483.6	3091.6	2675.0	2310.1	2058.6	1877.8	1783.3	1748.0	1755.4
4118.0	12.5°	3836.2	3348.0	2783.4	2235.3	1847.4	1681.4	1629.6	1630.5	1637.0	1642.0
4188.7	15°	3832.9	3184.5	2439.1	1850.7	1597.6	1586.9	1642.8	1678.1	1697.0	1702.8
4247.9	17.5°	3828.0	2988.9	2088.2	1588.5	1536.8	1609.1	1660.9	1683.9	1698.7	1699.5
4305.4	20°	3808.2	2740.7	1764.4	1463.6	1523.6	1586.1	1618.1	1636.2	1648.5	1652.6
4349.0	22.5°	3747.4	2464.6	1512.1	1407.7	1471.0	1521.2	1559.0	1579.5	1586.9	1591.8
4357.2	25°	3638.1	2155.6	1337.9	1354.3	1397.9	1461.2	1491.6	1495.7	1493.2	1500.6
4336.6	27.5°	3495.1	1824.4	1229.4	1282.0	1337.9	1392.1	1408.6	1406.1	1401.2	1409.4
4301.3	30°	3322.5	1526.9	1160.4	1200.7	1277.1	1326.4	1341.2	1335.4	1325.6	1334.6
4283.2	32.5°	3140.1	1283.7	1103.7	1143.9	1226.9	1275.4	1290.2	1284.5	1277.1	1284.5
4303.8	35°	2970.0	1113.5	1051.1	1106.1	1187.5	1235.2	1254.1	1254.9	1254.9	1263.9
4358.0	37.5°	2813.8	1014.1	1007.5	1082.3	1160.4	1203.1	1230.2	1231.9	1196.5	1199.0
4450.1	40°	2669.2	972.2	987.8	1066.7	1134.1	1175.2	1176.8	1084.8	1019.9	1018.2
4555.2	42.5°	2550.9	964.0	993.6	1065.1	1115.2	1116.8	1001.0	929.5	911.4	912.2
4652.2	45°	2439.9	961.5	1006.7	1065.1	1087.2	964.8	886.7	867.8	869.5	876.0
4695.8	47.5°	2315.8	951.6	1009.2	1050.3	1006.7	858.0	835.0	826.7	823.4	825.1
4685.9	50°	2180.2	916.3	977.9	1020.7	868.6	811.9	783.2	780.7	784.8	787.3
4630.9	52.5°	2037.2	858.8	924.5	967.3	805.4	771.7	739.6	745.4	763.5	769.2
4573.3	55°	1943.6	791.4	853.9	860.4	761.0	733.9	706.7	719.9	753.6	764.3
4538.8	57.5°	1918.9	719.9	773.3	765.9	704.3	701.0	684.6	696.1	738.8	754.4
4537.2	60°	1911.5	655.8	694.4	688.7	649.2	664.8	660.7	666.5	681.3	686.2
4520.7	62.5°	1854.0	604.8	623.7	615.5	599.9	627.0	636.9	624.6	636.1	641.8
4408.1	65°	1707.7	563.8	554.7	549.0	555.5	580.2	599.9	575.3	585.9	602.4
3974.2	67.5°	1466.1	507.9	483.2	489.8	510.3	523.5	549.0	521.0	530.1	558.0
3200.9	70°	1185.9	437.2	415.0	433.9	453.6	480.8	484.9	466.0	487.3	518.6
1953.4	72.5°	839.1	365.7	350.1	388.7	395.3	430.6	421.6	412.5	442.1	452.8
965.6	75°	581.8	295.0	286.0	315.6	339.4	369.8	363.2	373.9	436.4	441.3
482.4	77.5°	368.2	229.3	223.5	242.4	275.3	309.0	319.7	441.3	745.4	775.0
250.6	80°	213.7	170.9	164.4	179.2	207.9	239.1	308.2	541.6	491.4	485.7
112.6	82.5°	119.2	117.5	109.3	113.4	138.9	172.6	435.6	381.3	309.8	319.7
45.2	85°	55.9	69.0	59.2	56.7	78.1	202.2	290.9	217.8	144.6	141.3
9.9	87.5°	14.8	13.1	13.1	14.8	32.9	174.2	115.9	92.9	55.1	53.4
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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