

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: P952225

Luminaire Tested: **GALN-SB6A-927-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952225
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-SB6A-927-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16840 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

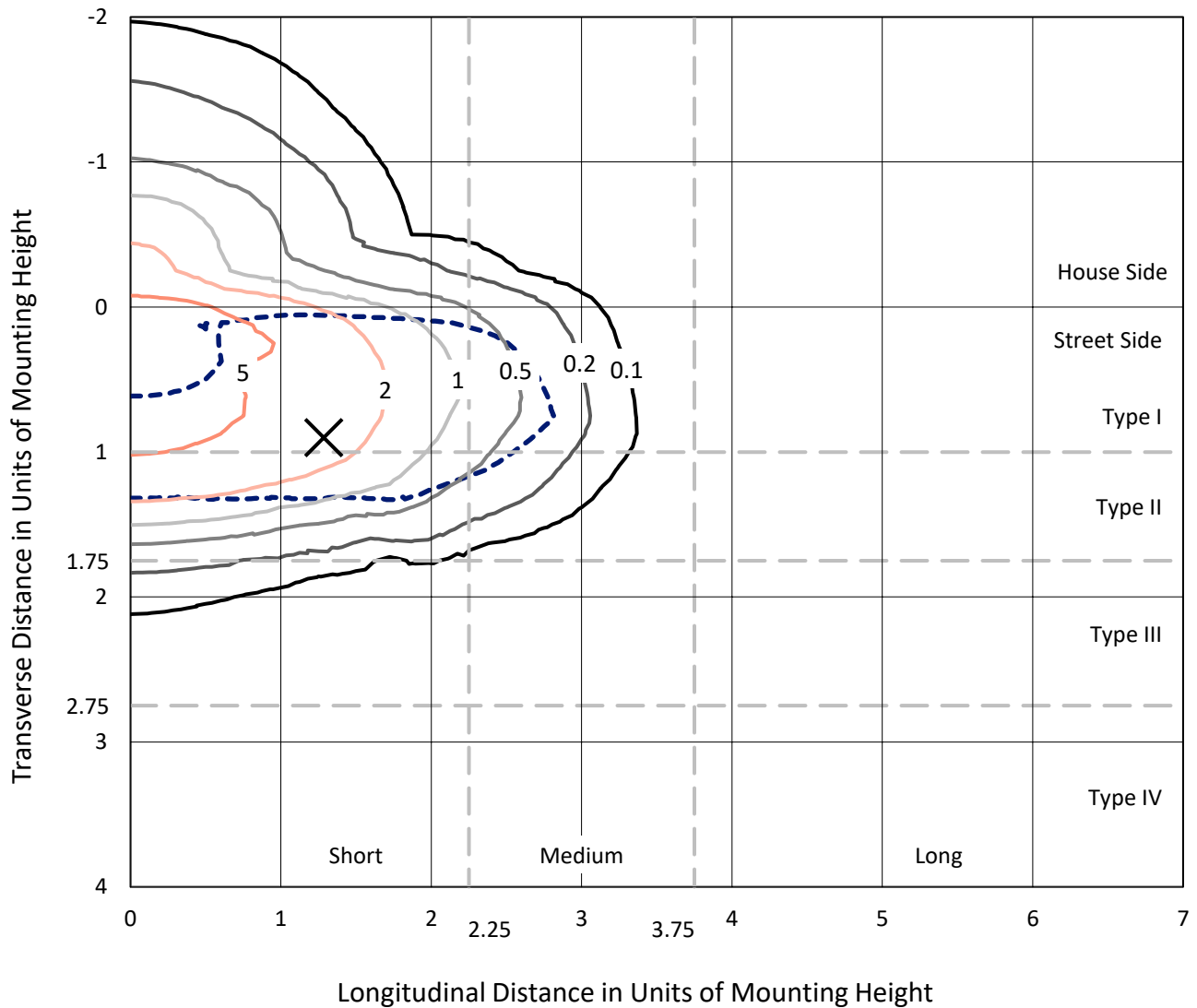
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

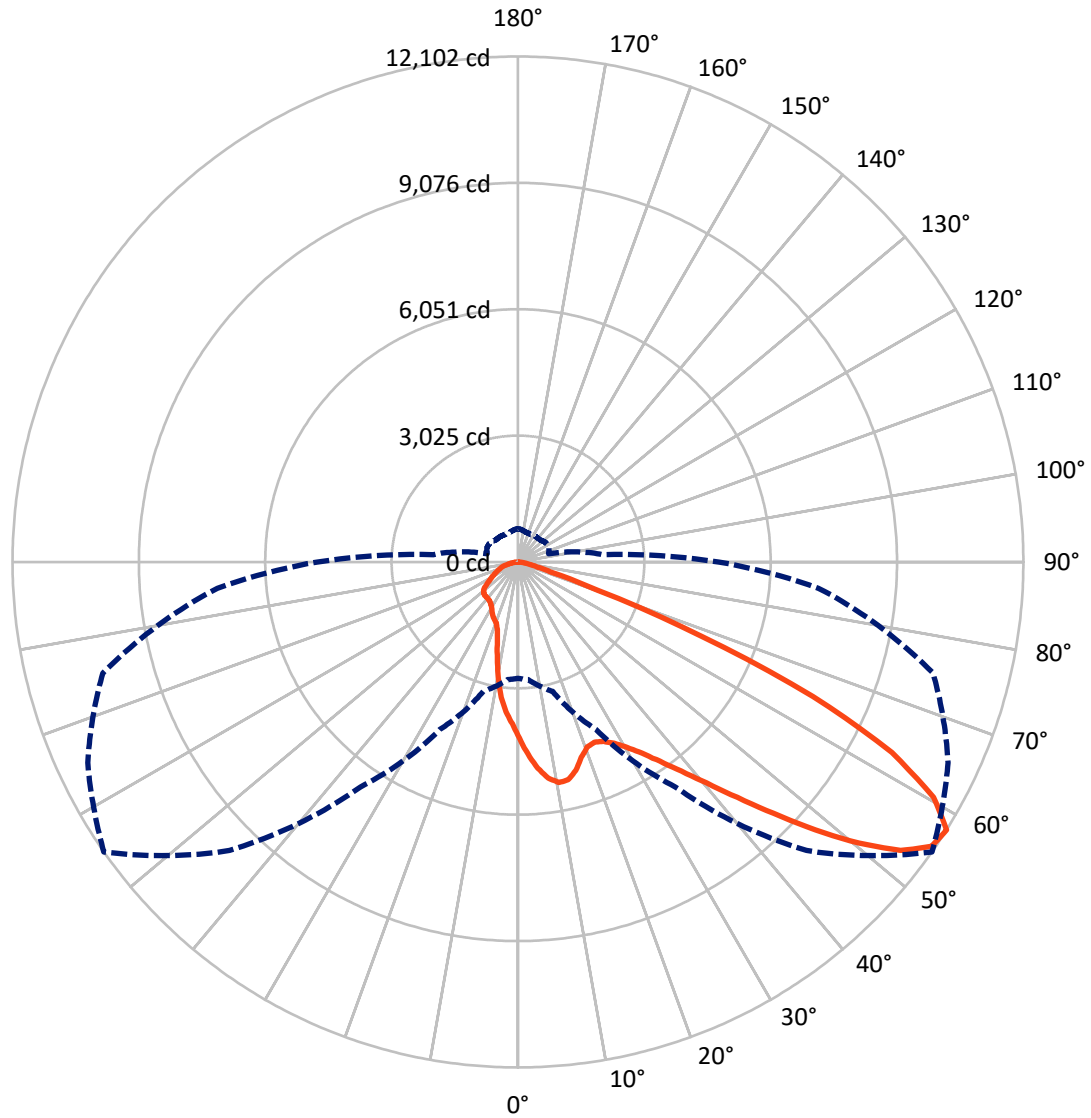
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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	3047.1	0.0	3047.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13792.9	0.0	13792.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	16840.0	0.0	16840.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.5	2.3
10°-20°	988.3	5.9
20°-30°	1577.0	9.4
30°-40°	2496.8	14.8
40°-50°	3821.6	22.7
50°-60°	4093.3	24.3
60°-70°	2575.1	15.3
70°-80°	761.5	4.5
80°-90°	134.6	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°	16840.0	100.0
0°-180°	16840.0	100.0

Coefficient of Utilization



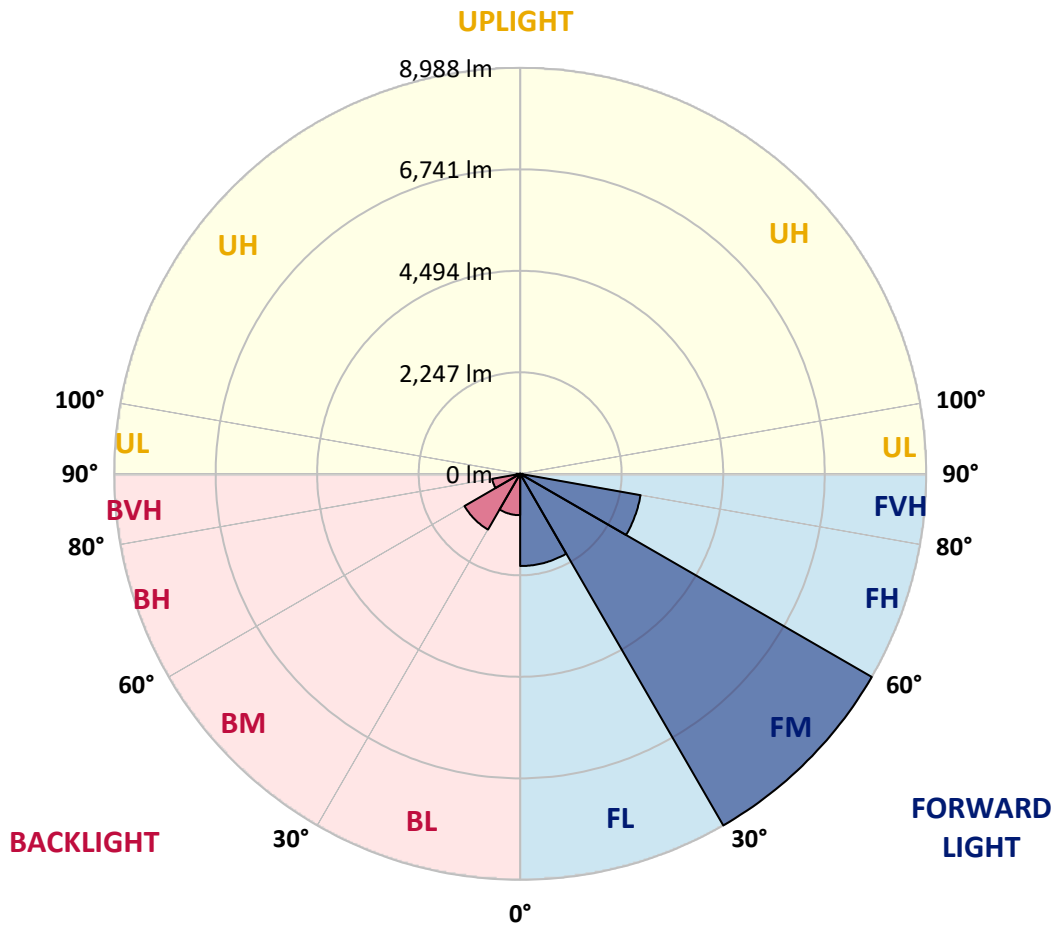
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2041.0	12.1			
FM (30°-60°)	8987.6	53.4			
FH (60°-80°)	2707.4	16.1			G2/5000
FVH (80°-90°)	56.9	0.3			G1/100
BL (0°-30°)	915.9	5.4	B2/1000		
BM (30°-60°)	1424.2	8.5	B2/2500		
BH (60°-80°)	629.3	3.7	B2/1000		G2/1000
BVH (80°-90°)	77.8	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°	4219.6	4219.6	4219.6	4219.6	4219.6	4219.6	4219.6	4219.6	4219.6	4219.6
2.5°	4841.1	4837.6	4856.8	4791.5	4747.1	4687.0	4607.8	4506.8	4398.0	4283.1
5°	5277.3	5246.8	5266.8	5218.1	5169.3	5078.8	4961.3	4796.7	4595.6	4366.7
7.5°	5208.5	5187.6	5239.0	5282.5	5319.1	5307.7	5221.6	5049.2	4789.8	4457.2
10°	4654.0	4630.5	4702.7	4853.3	5074.4	5266.8	5371.3	5264.2	4988.3	4556.5
12.5°	4164.7	4153.4	4201.3	4323.2	4568.6	4937.8	5352.1	5452.3	5194.6	4674.0
15°	3955.8	3941.9	3972.3	4034.1	4190.8	4534.7	5178.0	5581.1	5397.4	4809.8
17.5°	3909.6	3894.0	3907.0	3939.2	4040.2	4302.3	4915.1	5644.6	5609.0	4961.3
20°	3995.0	3981.9	3983.6	3981.9	4052.4	4260.5	4732.3	5620.3	5793.5	5100.6
22.5°	4201.3	4179.5	4180.4	4134.2	4172.5	4333.6	4684.4	5555.0	5958.0	5222.4
25°	4537.3	4498.1	4506.0	4388.4	4378.0	4497.3	4759.3	5504.5	6121.7	5319.9
27.5°	4997.0	4952.6	4929.1	4754.1	4670.5	4729.7	4911.6	5521.9	6276.7	5404.4
30°	5571.5	5517.5	5469.7	5221.6	5070.1	5048.3	5148.4	5636.8	6459.5	5493.2
32.5°	6275.8	6213.1	6126.1	5797.0	5583.7	5469.7	5454.9	5841.4	6673.6	5606.3
35°	7114.1	7032.3	6908.7	6483.0	6213.1	5979.8	5858.8	6136.5	6967.0	5777.0
37.5°	7977.7	7885.4	7772.3	7265.6	6933.9	6590.1	6351.5	6537.0	7357.9	6008.5
40°	8774.3	8670.7	8565.3	8114.4	7758.3	7344.0	6954.8	7043.6	7835.8	6285.4
42.5°	9244.4	9167.8	9127.7	8884.0	8608.9	8188.4	7705.2	7644.3	8373.0	6604.0
45°	9223.5	9192.1	9315.8	9416.7	9351.5	9118.1	8584.5	8308.5	8911.8	6880.0
47.5°	8730.7	8751.6	9027.6	9595.2	9845.1	9966.9	9585.6	8960.6	9380.2	7086.3
50°	7390.1	7407.5	8046.5	9270.5	9972.2	10659.0	10578.9	9596.9	9743.2	7212.5
52.5°	6328.9	6340.2	6614.4	8307.7	9552.5	11007.2	11473.9	10196.8	10008.7	7247.3
55°	4767.1	4806.3	5113.6	6517.8	8460.9	10731.3	12018.8	10814.8	10176.7	7250.8
57.5°	2784.9	2827.5	3207.1	4424.1	6576.1	9769.3	12101.5	11363.3	10290.8	7223.0
60°	1364.2	1382.4	1547.8	2325.2	4055.0	7915.9	11436.4	11628.8	10354.3	7208.2
62.5°	919.3	916.7	923.7	1147.4	1997.9	5085.8	10050.5	11163.9	10320.4	7151.6
65°	790.5	780.9	754.8	805.3	1035.1	2326.1	7765.3	9776.3	10061.8	7009.7
67.5°	683.4	684.3	685.1	669.5	739.1	1073.4	4745.4	7700.9	9133.8	6337.6
70°	565.9	573.7	577.2	577.2	602.4	704.3	2025.8	5278.1	7204.7	4969.1
72.5°	515.4	498.8	500.6	491.9	491.9	536.3	815.7	2992.1	4539.0	2795.3
75°	420.5	430.9	432.7	426.6	406.5	409.2	484.0	1255.3	1942.2	1159.6
77.5°	363.0	363.0	366.5	362.1	346.5	306.4	323.0	486.6	660.7	475.3
80°	291.6	290.8	305.6	314.3	289.9	226.3	206.3	269.0	293.4	208.9
82.5°	141.9	150.6	209.8	239.4	220.2	163.7	126.2	167.1	156.7	92.3
85°	82.7	78.3	94.0	133.2	126.2	90.5	60.9	87.1	81.8	47.0
87.5°	26.1	24.4	19.2	45.3	36.6	25.2	16.5	25.2	22.6	10.4
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°
4219.6	0°	4219.6	4219.6	4219.6	4219.6	4219.6	4219.6	4219.6	4219.6	4219.6	4219.6
4233.5	2.5°	4171.7	4069.0	3967.1	3873.9	3817.4	3780.8	3744.2	3703.3	3687.7	3664.1
4244.8	5°	4129.9	3931.4	3754.7	3602.3	3463.9	3355.1	3245.4	3156.6	3116.6	3143.6
4280.5	7.5°	4105.5	3818.2	3545.8	3266.3	2997.3	2782.3	2595.1	2463.7	2404.5	2419.3
4315.3	10°	4083.8	3690.3	3275.0	2833.6	2447.1	2180.7	1989.2	1889.1	1851.7	1859.5
4362.3	12.5°	4063.7	3546.6	2948.6	2367.9	1957.0	1781.1	1726.3	1727.2	1734.1	1739.4
4437.2	15°	4060.2	3373.4	2583.8	1960.5	1692.3	1681.0	1740.2	1777.7	1797.7	1803.8
4499.9	17.5°	4055.0	3166.2	2212.1	1682.8	1627.9	1704.5	1759.4	1783.8	1799.4	1800.3
4560.8	20°	4034.1	2903.3	1869.1	1550.5	1614.0	1680.2	1714.1	1733.3	1746.3	1750.7
4607.0	22.5°	3969.7	2610.8	1601.8	1491.3	1558.3	1611.4	1651.4	1673.2	1681.0	1686.3
4615.7	25°	3853.9	2283.5	1417.3	1434.7	1480.8	1547.8	1580.0	1584.4	1581.8	1589.6
4593.9	27.5°	3702.5	1932.6	1302.3	1358.1	1417.3	1474.7	1492.1	1489.5	1484.3	1493.0
4556.5	30°	3519.6	1617.5	1229.2	1271.9	1352.8	1405.1	1420.7	1414.6	1404.2	1413.8
4537.3	32.5°	3326.4	1359.8	1169.1	1211.8	1299.7	1351.1	1366.8	1360.7	1352.8	1360.7
4559.1	35°	3146.2	1179.6	1113.4	1171.8	1257.9	1308.4	1328.5	1329.3	1329.3	1338.9
4616.5	37.5°	2980.8	1074.3	1067.3	1146.5	1229.2	1274.5	1303.2	1305.0	1267.5	1270.1
4714.0	40°	2827.5	1029.9	1046.4	1130.0	1201.4	1244.9	1246.6	1149.1	1080.4	1078.6
4825.5	42.5°	2702.2	1021.2	1052.5	1128.2	1181.3	1183.1	1060.3	984.6	965.4	966.3
4928.2	45°	2584.7	1018.5	1066.4	1128.2	1151.7	1022.0	939.3	919.3	921.0	928.0
4974.3	47.5°	2453.2	1008.1	1069.0	1112.6	1066.4	908.9	884.5	875.8	872.3	874.0
4963.9	50°	2309.6	970.7	1036.0	1081.2	920.2	860.1	829.6	827.0	831.4	834.0
4905.6	52.5°	2158.1	909.7	979.4	1024.6	853.1	817.4	783.5	789.6	808.7	814.8
4844.6	55°	2058.9	838.3	904.5	911.5	806.1	777.4	748.7	762.6	798.3	809.6
4808.0	57.5°	2032.7	762.6	819.2	811.4	746.1	742.6	725.2	737.4	782.6	799.2
4806.3	60°	2024.9	694.7	735.6	729.5	687.7	704.3	699.9	706.0	721.7	726.9
4788.9	62.5°	1964.0	640.7	660.7	652.0	635.5	664.2	674.7	661.6	673.8	679.9
4669.6	65°	1809.0	597.2	587.6	581.5	588.5	614.6	635.5	609.4	620.7	638.1
4210.0	67.5°	1553.1	538.0	511.9	518.8	540.6	554.5	581.5	551.9	561.5	591.1
3390.8	70°	1256.2	463.1	439.6	459.7	480.5	509.3	513.6	493.6	516.2	549.3
2069.3	72.5°	888.8	387.4	370.9	411.8	418.7	456.2	446.6	437.0	468.4	479.7
1022.9	75°	616.3	312.5	303.0	334.3	359.5	391.7	384.8	396.1	462.3	467.5
511.0	77.5°	390.0	242.9	236.8	256.8	291.6	327.3	338.6	467.5	789.6	820.9
265.5	80°	226.3	181.1	174.1	189.8	220.2	253.3	326.5	573.7	520.6	514.5
119.3	82.5°	126.2	124.5	115.8	120.1	147.1	182.8	461.4	403.9	328.2	338.6
47.9	85°	59.2	73.1	62.7	60.1	82.7	214.2	308.2	230.7	153.2	149.7
10.4	87.5°	15.7	13.9	13.9	15.7	34.8	184.6	122.7	98.4	58.3	56.6
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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