

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: STREETWORKS

Report Number: P852203

Luminaire Tested: **GLAN-SB2A-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7341 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

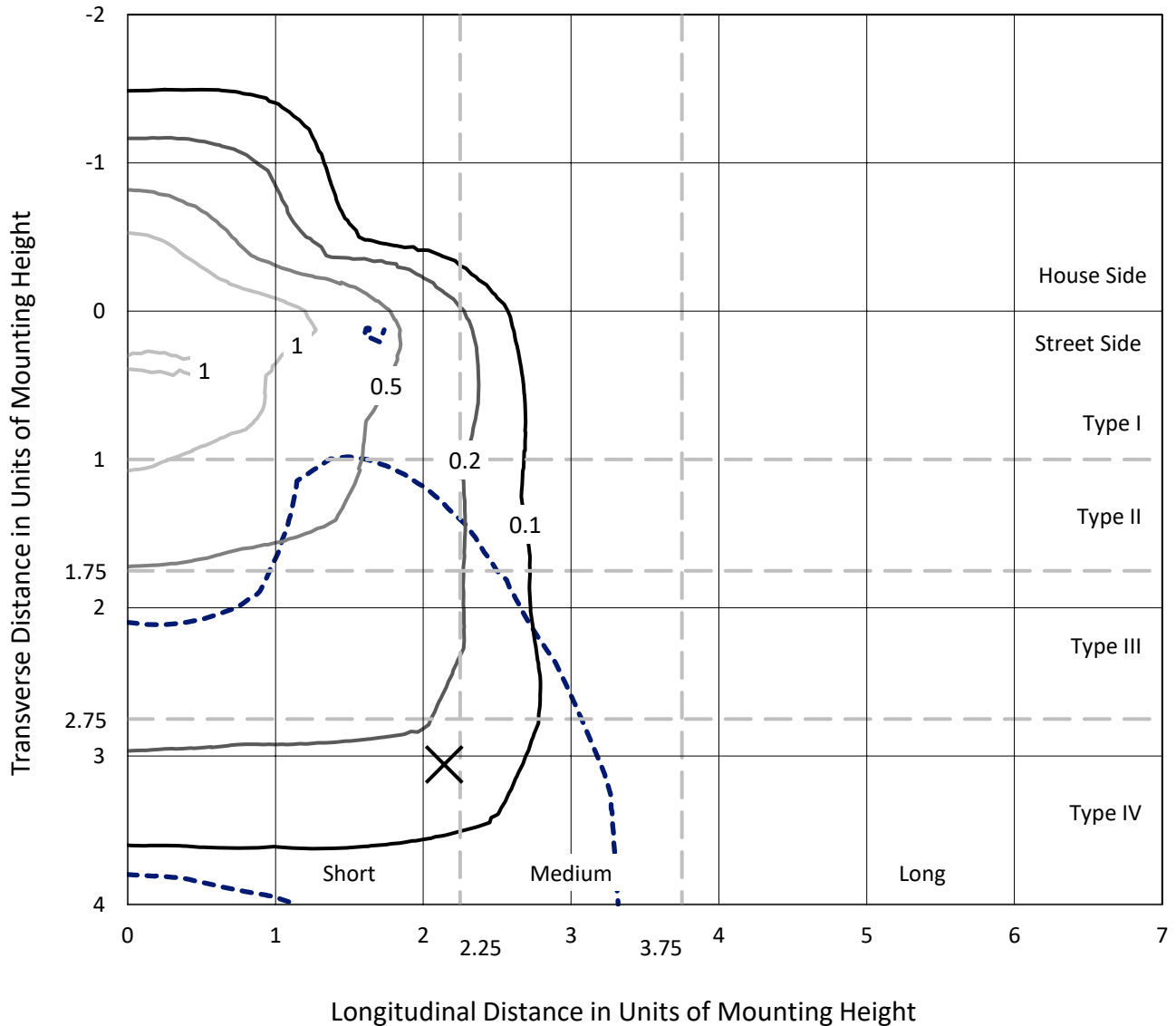
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

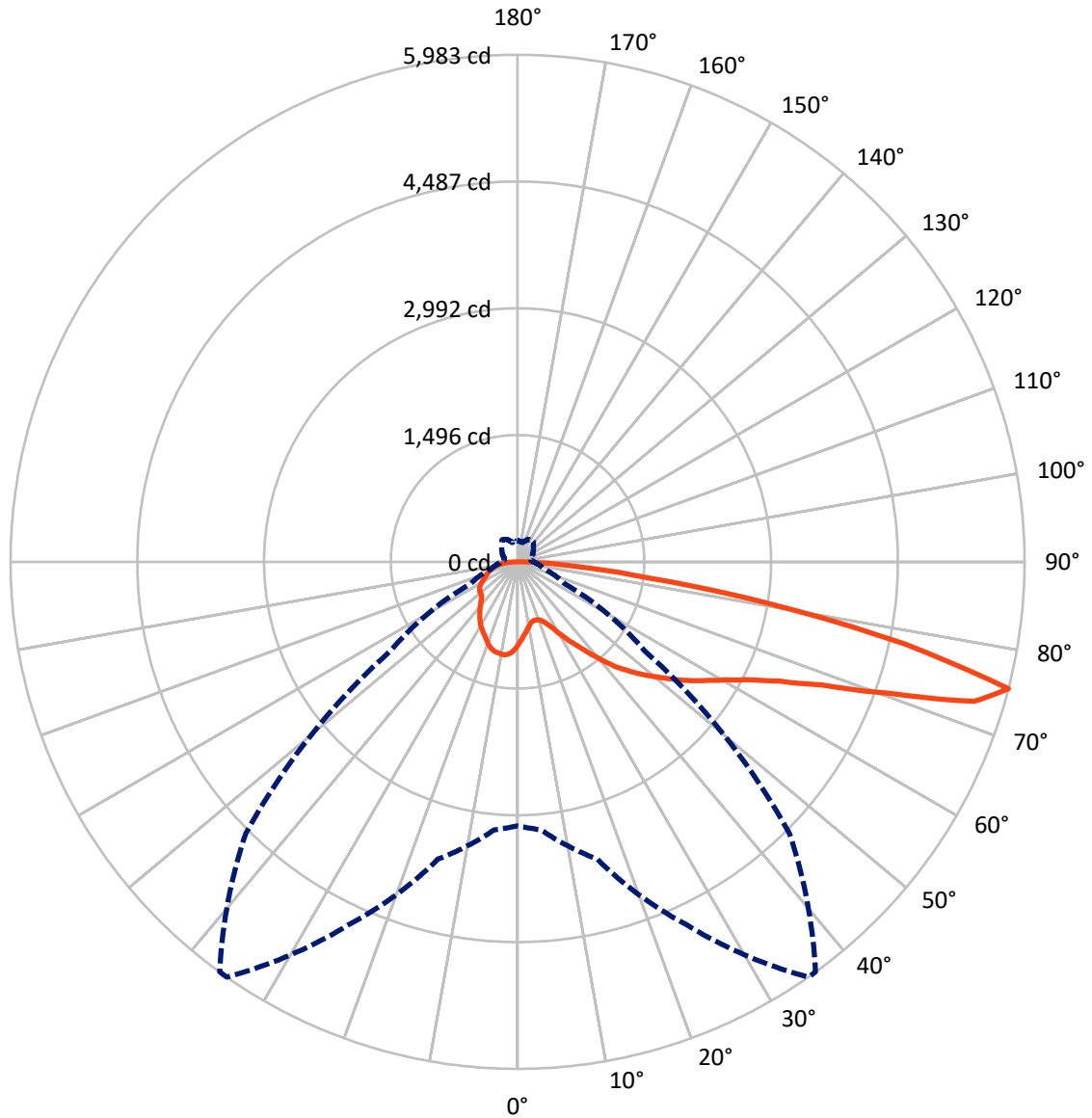
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1747.0	0.0	1747.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5594.0	0.0	5594.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	7341.0	0.0	7341.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	1.3
10°-20°	267.2	3.6
20°-30°	448.6	6.1
30°-40°	697.2	9.5
40°-50°	1034.9	14.1
50°-60°	1428.7	19.5
60°-70°	1733.3	23.6
70°-80°	1432.5	19.5
80°-90°	206.0	2.8
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°	7341.0	100.0
0°-180°	7341.0	100.0

Coefficient of Utilization

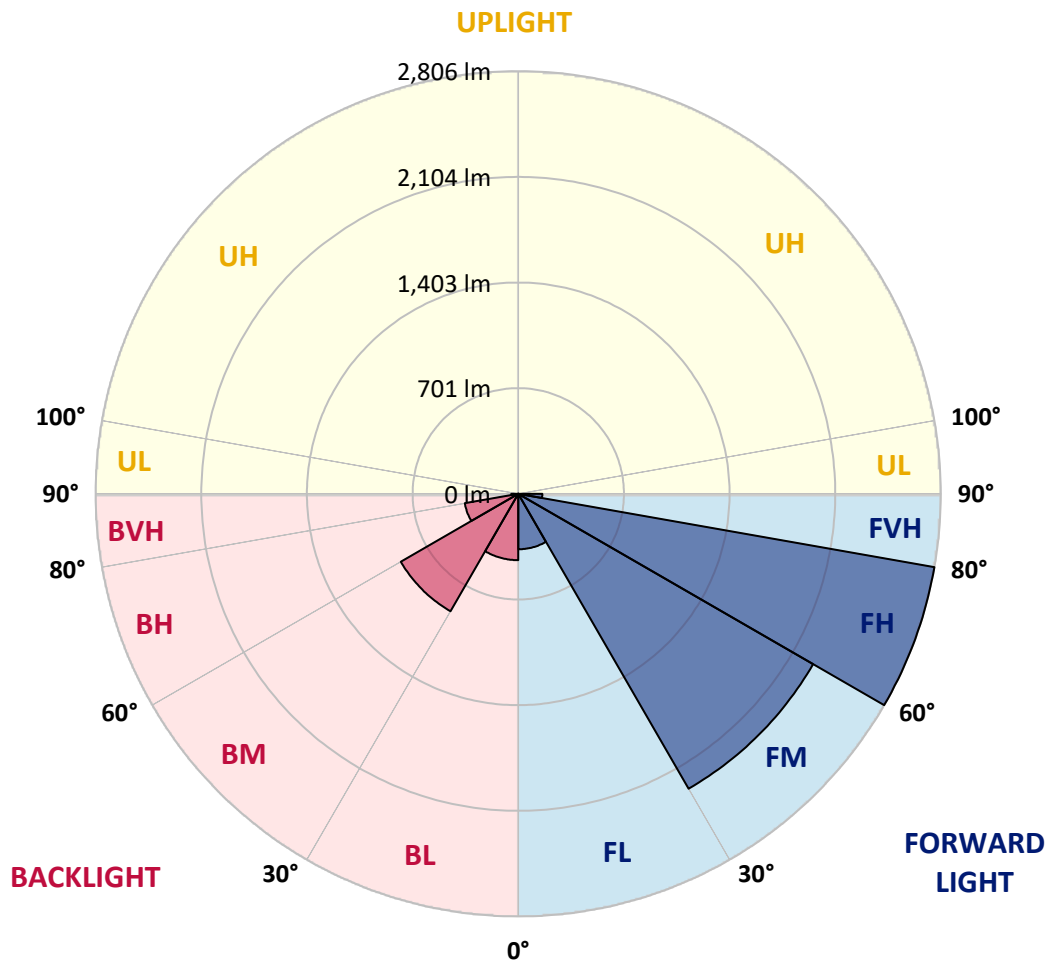


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	368.1	5.0			
FM (30°-60°)	2260.6	30.8			
FH (60°-80°)	2805.6	38.2			G2/5000
FVH (80°-90°)	159.6	2.2			G2/225
BL (0°-30°)	440.3	6.0	B1/500		
BM (30°-60°)	900.1	12.3	B1/1000		
BH (60°-80°)	360.2	4.9	B1/500		G1/500
BVH (80°-90°)	46.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2
2.5°	902.0	907.6	910.0	908.8	914.7	913.9	922.3	932.6	946.9	960.8
5°	832.6	838.5	843.7	848.5	860.0	863.5	876.6	896.5	922.7	949.3
7.5°	767.9	773.1	781.0	789.7	809.2	812.8	834.6	865.5	902.0	940.9
10°	715.1	720.3	728.6	738.5	762.7	767.1	794.9	836.2	883.8	933.0
12.5°	692.5	694.1	698.9	708.8	729.8	732.6	763.1	810.4	865.9	927.0
15°	691.3	694.5	694.9	700.0	717.5	718.7	746.9	793.7	854.8	925.9
17.5°	703.2	705.6	702.0	705.2	719.9	721.9	744.1	785.8	851.2	931.0
20°	735.0	737.0	726.2	721.9	732.6	734.2	756.0	790.9	854.8	941.7
22.5°	802.4	803.6	777.4	759.6	760.4	761.2	780.2	812.0	868.7	961.2
25°	907.6	906.8	865.1	830.6	810.8	806.4	819.1	846.1	892.1	987.0
27.5°	1030.6	1024.7	983.0	931.4	888.2	881.8	879.0	890.5	925.5	1021.1
30°	1169.5	1164.0	1119.1	1051.7	991.7	981.4	955.2	949.3	975.1	1067.5
32.5°	1321.9	1318.3	1264.8	1183.0	1102.8	1090.9	1046.9	1031.0	1051.3	1137.8
35°	1449.7	1446.5	1402.1	1317.9	1219.9	1205.2	1160.4	1142.5	1152.9	1227.9
37.5°	1565.2	1563.6	1525.5	1459.2	1358.0	1340.2	1289.8	1283.8	1281.8	1346.5
40°	1672.3	1668.4	1628.7	1593.8	1518.7	1502.5	1458.0	1452.9	1437.8	1492.6
42.5°	1791.0	1780.7	1723.1	1706.9	1686.6	1673.1	1646.5	1647.3	1614.0	1657.3
45°	1887.8	1881.9	1822.7	1813.2	1835.0	1829.5	1852.5	1858.5	1793.8	1829.9
47.5°	1991.8	1986.2	1936.2	1929.5	1988.6	1990.2	2071.6	2073.5	1969.2	2009.3
50°	2120.0	2112.0	2062.4	2070.8	2137.0	2143.0	2291.8	2278.3	2130.7	2191.4
52.5°	2204.5	2209.3	2198.6	2212.0	2302.5	2308.1	2508.5	2474.0	2290.6	2371.2
55°	2266.8	2276.3	2309.7	2340.6	2477.1	2482.7	2712.9	2660.1	2423.2	2537.9
57.5°	2347.0	2333.5	2395.8	2456.1	2643.0	2657.7	2911.7	2839.5	2540.6	2681.5
60°	2462.1	2452.5	2501.0	2590.2	2828.8	2852.2	3122.0	3001.0	2626.8	2795.4
62.5°	2695.4	2671.6	2679.1	2758.1	3062.9	3093.9	3359.3	3141.9	2669.6	2839.9
65°	3044.2	3003.4	2965.3	3020.0	3392.7	3423.2	3627.2	3252.6	2653.7	2753.7
67.5°	3483.6	3443.1	3396.3	3447.8	3878.4	3902.6	3957.8	3314.9	2528.7	2422.0
70°	3845.9	3830.8	3886.8	4099.1	4654.3	4655.1	4381.6	3263.3	2186.3	1717.2
72.5°	3797.9	3788.7	4083.6	4740.0	5632.1	5611.1	4782.8	2872.8	1472.7	774.7
75°	3115.7	3174.8	3631.6	4728.5	5983.3	5980.5	4537.2	1826.3	609.2	321.1
77.5°	1670.7	1764.4	2357.7	3491.1	4670.9	4741.2	3189.9	638.9	261.5	205.6
80°	544.9	626.6	939.7	1777.5	3035.1	3022.0	1367.2	250.8	179.0	145.6
82.5°	231.4	240.9	419.9	839.3	1557.6	1533.4	435.3	144.1	125.8	99.6
85°	90.5	101.2	185.3	388.1	674.6	660.0	157.2	71.4	80.6	65.1
87.5°	29.8	36.1	66.3	132.9	209.9	202.4	38.5	24.6	34.9	29.8
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
978.2	0°	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2
981.0	2.5°	986.6	992.9	1000.5	1011.6	1021.1	1029.0	1037.4	1042.5	1044.5	1050.5
982.6	5°	993.7	1007.6	1026.3	1044.5	1062.4	1073.1	1082.6	1087.4	1091.7	1094.9
987.0	7.5°	1005.6	1023.5	1052.8	1076.7	1091.7	1100.5	1106.8	1105.2	1106.8	1107.6
991.7	10°	1015.9	1040.9	1075.9	1098.5	1110.0	1110.4	1108.8	1103.2	1100.5	1100.9
998.9	12.5°	1028.2	1056.0	1093.7	1112.8	1115.9	1107.2	1100.5	1090.9	1087.4	1085.8
1009.6	15°	1044.9	1076.7	1113.2	1120.3	1112.4	1101.3	1089.8	1074.3	1066.3	1060.0
1027.8	17.5°	1065.1	1100.1	1128.2	1123.1	1106.0	1087.8	1069.1	1045.7	1029.4	1022.7
1052.8	20°	1093.3	1124.7	1139.8	1117.1	1091.3	1063.6	1031.8	1003.2	988.2	981.4
1084.6	22.5°	1127.5	1157.6	1150.9	1106.8	1070.3	1025.9	986.2	965.1	957.6	952.8
1125.5	25°	1168.3	1194.1	1158.8	1091.7	1035.8	975.9	945.3	938.6	935.0	931.4
1175.5	27.5°	1221.5	1235.4	1164.8	1069.5	981.8	922.7	911.6	912.8	911.6	905.6
1244.9	30°	1291.8	1289.0	1170.3	1033.4	919.9	874.7	875.5	880.6	881.4	877.4
1341.8	32.5°	1384.2	1356.0	1173.1	986.6	860.8	832.6	833.4	838.9	842.9	836.2
1468.3	35°	1496.1	1434.2	1168.7	927.8	815.1	792.5	786.6	788.1	789.3	783.0
1621.9	37.5°	1626.7	1521.9	1149.3	862.8	777.4	753.2	740.5	729.8	723.5	717.5
1795.8	40°	1770.0	1617.6	1113.6	799.3	735.4	711.6	692.5	672.3	650.8	642.9
1979.9	42.5°	1920.0	1716.0	1070.3	738.5	686.9	667.5	647.3	617.9	585.8	569.5
2171.2	45°	2075.5	1816.8	1027.8	678.6	637.3	629.0	605.6	570.3	535.4	514.7
2362.9	47.5°	2227.9	1912.0	965.5	618.3	590.9	600.0	581.8	549.2	510.4	477.8
2552.9	50°	2373.6	2001.3	863.5	557.2	553.2	591.3	573.8	527.0	482.6	440.9
2739.5	52.5°	2518.0	2073.5	733.0	501.6	533.0	588.9	563.5	511.9	457.6	413.9
2914.9	55°	2640.6	2110.9	607.2	454.0	503.6	568.7	551.2	494.1	422.2	375.8
3035.1	57.5°	2710.5	2080.7	502.4	407.2	463.1	535.4	530.2	456.0	380.2	344.5
3058.5	60°	2680.3	1958.5	416.7	366.3	424.6	499.2	493.7	418.3	348.0	314.3
2933.1	62.5°	2514.1	1725.5	348.8	330.6	389.7	462.3	457.2	389.3	323.4	290.9
2600.2	65°	2179.1	1403.7	296.1	300.8	354.4	417.9	425.4	365.1	304.0	272.2
2011.6	67.5°	1662.0	1016.7	254.8	275.0	319.9	374.2	396.1	347.6	287.7	257.6
1164.0	70°	947.3	577.4	219.9	250.0	289.3	333.8	373.4	333.8	270.3	245.3
436.1	72.5°	359.2	265.1	190.1	225.0	259.9	299.6	348.4	311.9	250.0	231.4
225.4	75°	191.7	161.5	159.9	195.6	226.2	266.3	317.1	290.5	234.9	244.5
156.0	77.5°	130.6	114.3	133.7	167.5	189.3	229.4	283.7	258.0	203.6	202.8
107.9	80°	90.5	81.0	108.7	134.9	146.4	192.9	247.6	221.4	165.9	154.8
66.7	82.5°	54.4	52.8	81.4	100.8	103.6	148.8	205.2	185.7	135.7	118.3
39.7	85°	29.8	31.4	52.0	59.1	60.3	104.0	160.7	143.7	104.4	87.7
14.3	87.5°	8.3	10.7	19.0	23.4	29.0	54.0	95.6	85.3	52.4	36.5
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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