

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: P953295

Luminaire Tested: **GALN-SB6D-927-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-927-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32026 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

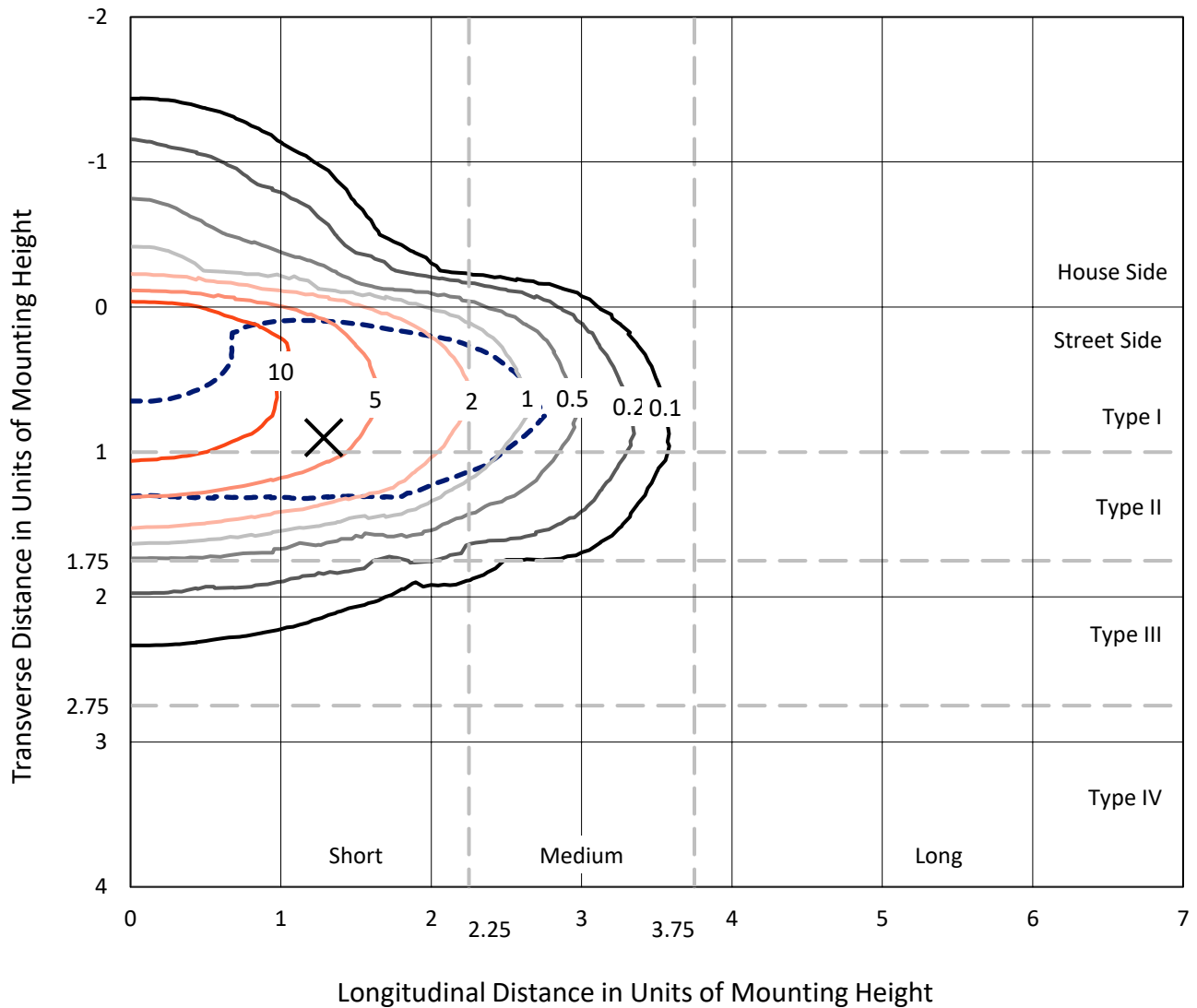
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

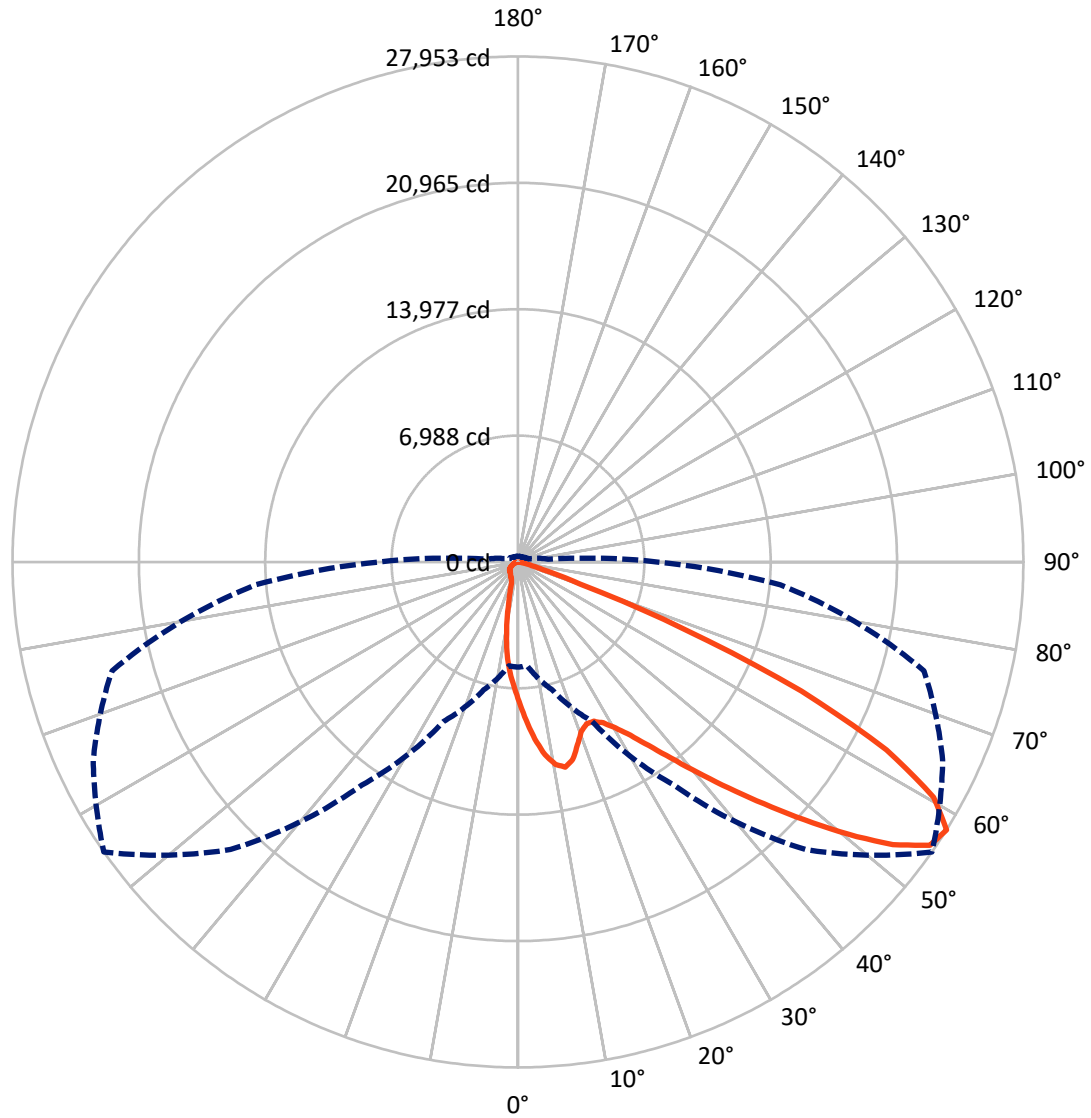
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.7 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	2501.1	0.0	2501.1
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	29524.9	0.0	29524.9
	% Fixture	92.2	0.0	92.2
Total	Lumens	32026.0	0.0	32026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.1	2.2
10°-20°	1734.5	5.4
20°-30°	2775.2	8.7
30°-40°	4697.2	14.7
40°-50°	7711.7	24.1
50°-60°	8475.7	26.5
60°-70°	4861.7	15.2
70°-80°	993.4	3.1
80°-90°	58.6	0.2
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°	32026.0	100.0
0°-180°	32026.0	100.0

Coefficient of Utilization



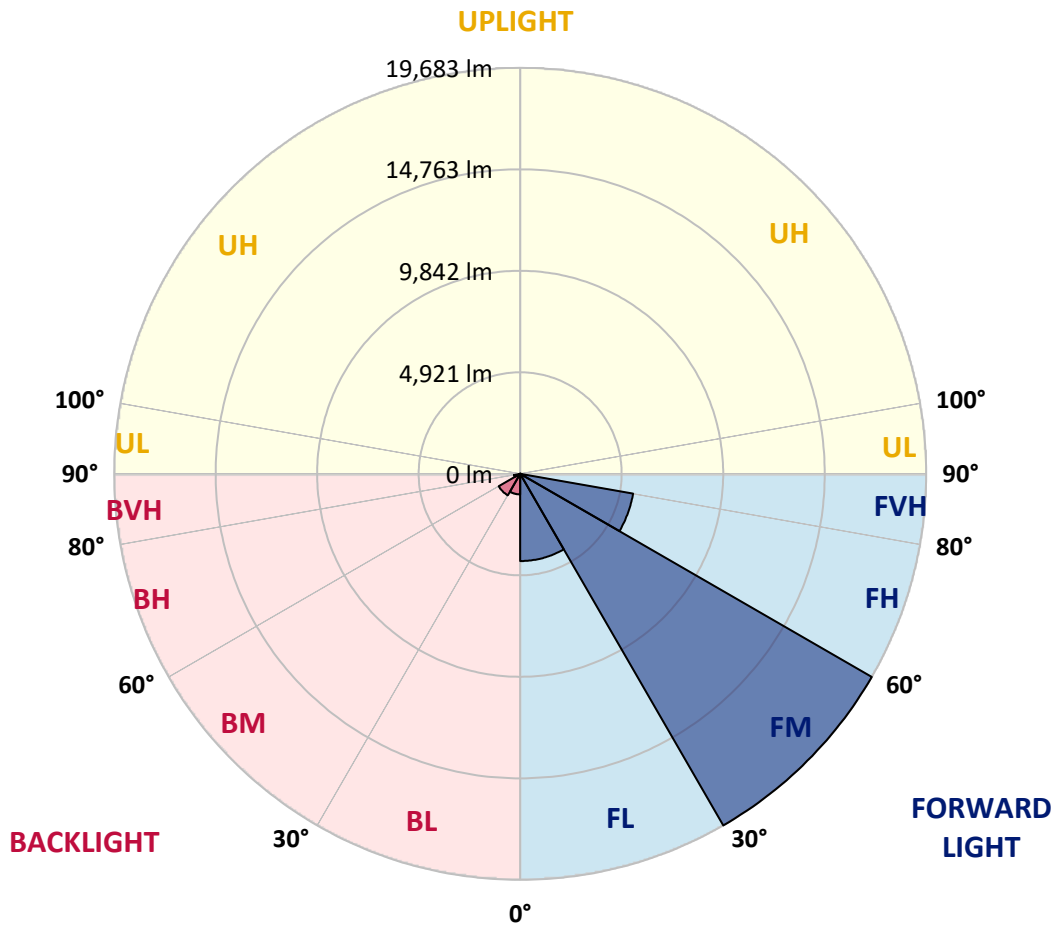
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4229.2	13.2			
FM (30°-60°)	19683.4	61.5			
FH (60°-80°)	5557.6	17.4			G3/7500
FVH (80°-90°)	54.6	0.2			G1/100
BL (0°-30°)	998.5	3.1	B2/1000		
BM (30°-60°)	1201.2	3.8	B2/2500		
BH (60°-80°)	297.5	0.9	B1/500		G1/500
BVH (80°-90°)	3.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7717.5	7717.5	7717.5	7717.5	7717.5	7717.5	7717.5	7717.5	7717.5	7717.5
2.5°	9575.8	9455.3	9437.5	9413.8	9184.7	9012.9	8764.1	8491.6	8185.5	7873.5
5°	11062.8	10968.0	10950.2	10839.6	10578.9	10286.7	9844.3	9285.5	8714.7	8043.3
7.5°	11351.1	11333.3	11414.3	11410.3	11374.8	11143.7	10770.5	10105.0	9247.9	8252.6
10°	10065.5	10110.9	10351.8	10563.1	11133.9	11465.6	11384.7	10835.7	9796.9	8491.6
12.5°	8894.5	8841.1	9012.9	9251.9	9915.4	10902.8	11639.4	11445.9	10424.9	8762.1
15°	8159.8	8138.1	8234.9	8345.5	8851.0	9846.3	11343.2	11941.6	11029.2	9082.1
17.5°	7924.8	7907.1	7936.7	7964.3	8292.1	9062.3	10638.2	12245.7	11607.8	9447.4
20°	8116.4	8092.7	8088.7	8067.0	8203.3	8728.6	10000.3	12267.4	12127.2	9779.2
22.5°	8675.2	8647.6	8550.8	8463.9	8475.8	8774.0	9716.0	12050.2	12518.2	10089.2
25°	9688.3	9642.9	9441.5	9149.2	8963.6	9090.0	9759.4	11763.8	12891.4	10332.1
27.5°	10956.1	10896.9	10638.2	10203.7	9779.2	9625.1	10073.4	11566.3	13201.5	10517.7
30°	12198.3	12121.3	11866.5	11528.8	10908.7	10422.9	10640.2	11653.2	13570.8	10711.3
32.5°	13539.2	13466.1	13128.4	12709.7	12196.3	11542.6	11416.3	12077.8	14023.0	10981.8
35°	15235.5	15121.0	14641.1	14070.4	13525.3	12863.8	12466.8	12810.5	14625.3	11394.5
37.5°	17166.8	17012.8	16495.4	15707.5	14996.6	14256.0	13746.5	13817.6	15508.0	11947.5
40°	18987.6	18847.4	18369.5	17627.0	16734.4	15835.8	15292.8	15134.8	16726.5	12620.9
42.5°	20079.7	19953.3	19751.8	19437.9	18685.5	17769.2	17083.9	16742.3	18168.1	13426.6
45°	20140.9	20030.3	20300.8	20666.2	20518.1	19907.9	19072.5	18446.5	19615.6	14182.9
47.5°	19161.4	19086.3	19907.9	21183.6	21819.4	22076.2	21306.0	20008.6	20810.3	14726.0
50°	16491.5	16463.8	18154.2	20496.3	22315.1	23975.9	23661.9	21462.0	21736.5	15006.4
52.5°	14299.4	14198.7	15184.2	18296.4	21594.3	24975.2	25964.5	22887.8	22384.2	15059.7
55°	10845.5	10756.7	11992.9	14615.4	19270.0	24619.7	27649.0	24359.0	22848.3	14923.5
57.5°	5817.7	5762.4	7324.5	9727.8	15063.7	22486.9	27953.1	25915.2	23239.3	14562.1
60°	2265.1	2255.2	2839.7	4719.7	9155.1	18294.4	26418.7	26849.2	23484.2	14117.8
62.5°	1370.5	1400.1	1494.9	2118.9	4044.4	11364.9	22881.9	25786.8	23648.1	13711.0
65°	1133.5	1135.5	1147.4	1455.4	1937.3	4755.3	17226.1	22291.4	23243.3	12986.2
67.5°	971.6	989.4	1034.8	1155.3	1366.6	2085.4	9917.4	17267.6	20780.7	11299.7
70°	766.2	789.9	847.2	949.9	1054.5	1305.3	3665.2	11489.3	15875.3	8517.3
72.5°	645.8	643.8	673.4	772.1	837.3	918.3	1410.0	6437.8	9226.2	4066.1
75°	499.6	519.4	556.9	645.8	685.3	665.5	764.2	2352.0	3305.8	1232.3
77.5°	391.0	406.8	440.4	527.3	566.8	472.0	440.4	841.3	1062.4	442.4
80°	175.8	189.6	300.2	389.0	462.1	325.8	238.9	430.5	472.0	201.4
82.5°	31.6	53.3	175.8	205.4	237.0	211.3	124.4	223.2	231.1	81.0
85°	2.0	3.9	61.2	75.0	94.8	69.1	37.5	88.9	77.0	27.6
87.5°	0.0	0.0	0.0	2.0	2.0	9.9	11.8	15.8	11.8	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°
7717.5	0°	7717.5	7717.5	7717.5	7717.5	7717.5	7717.5	7717.5	7717.5	7717.5	7717.5
7735.2	2.5°	7593.1	7312.6	7040.1	6817.0	6686.6	6465.5	6319.3	6295.6	6234.4	6287.7
7755.0	5°	7446.9	6945.3	6437.8	5983.6	5610.4	5128.5	4769.1	4617.1	4484.7	4530.2
7806.3	7.5°	7377.8	6585.9	5796.0	5019.9	4222.1	3451.9	2879.2	2640.3	2458.6	2484.3
7863.6	10°	7285.0	6212.7	4974.5	3789.6	2721.3	1961.0	1566.0	1419.9	1338.9	1340.9
7948.5	12.5°	7213.9	5766.4	4020.7	2569.2	1656.8	1252.0	1129.6	1094.0	1070.3	1072.3
8076.9	15°	7178.4	5241.1	3078.7	1712.1	1184.9	1060.5	1030.8	1015.0	999.2	997.3
8219.1	17.5°	7119.1	4656.6	2253.2	1250.0	1036.8	993.3	967.6	949.9	930.1	926.2
8341.5	20°	7030.3	3993.0	1647.0	1056.5	971.6	938.0	902.5	878.8	855.1	851.1
8418.5	22.5°	6866.3	3292.0	1265.8	977.5	924.2	886.7	843.2	815.6	791.9	787.9
8381.0	25°	6562.2	2634.4	1066.4	928.2	882.7	837.3	789.9	752.4	730.7	726.7
8300.0	27.5°	6177.1	2069.6	967.6	882.7	829.4	787.9	734.6	699.1	679.3	675.4
8193.4	30°	5722.9	1593.7	910.4	831.4	766.2	730.7	683.3	653.7	641.8	641.8
8118.4	32.5°	5233.2	1273.7	886.7	780.0	710.9	671.4	633.9	622.1	618.1	616.1
8159.8	35°	4773.1	1105.9	874.8	738.6	661.6	624.0	608.2	610.2	618.1	618.1
8288.2	37.5°	4364.3	1052.6	868.9	708.9	618.1	584.5	594.4	612.2	604.3	604.3
8513.3	40°	3995.0	1058.5	865.0	687.2	582.6	562.8	582.6	568.7	549.0	547.0
8787.8	42.5°	3712.6	1107.9	857.1	669.5	560.8	547.0	539.1	517.4	515.4	519.4
9072.2	45°	3507.2	1151.3	855.1	661.6	537.1	511.5	501.6	479.9	519.4	529.2
9188.7	47.5°	3264.3	1151.3	855.1	633.9	497.6	487.8	472.0	448.3	487.8	497.6
9078.1	50°	2950.3	1078.2	821.5	602.3	466.1	460.1	432.5	402.9	395.0	400.9
8819.4	52.5°	2553.4	945.9	736.6	558.9	434.5	422.6	389.0	367.3	361.4	361.4
8355.3	55°	2101.2	791.9	622.1	495.7	400.9	379.2	355.5	345.6	339.7	335.7
7705.6	57.5°	1708.2	649.7	499.6	440.4	369.3	341.6	333.7	321.9	312.0	306.1
7162.6	60°	1402.1	511.5	412.7	391.0	337.7	312.0	310.0	294.2	268.6	264.6
6714.3	62.5°	1082.2	375.2	347.6	339.7	306.1	284.4	280.4	248.8	209.3	201.4
6078.4	65°	764.2	292.3	280.4	298.2	272.5	252.8	242.9	195.5	154.0	148.1
5087.1	67.5°	537.1	244.9	221.2	260.7	237.0	211.3	205.4	165.9	128.4	124.4
3846.9	70°	383.1	199.5	181.7	223.2	189.6	185.6	173.8	138.2	104.7	100.7
1903.7	72.5°	270.5	152.1	140.2	193.5	130.3	160.0	142.2	106.6	79.0	75.0
647.7	75°	199.5	108.6	98.7	112.6	94.8	120.5	100.7	71.1	49.4	47.4
292.3	77.5°	146.1	69.1	59.2	55.3	55.3	75.0	55.3	29.6	21.7	19.7
148.1	80°	102.7	31.6	27.6	23.7	21.7	17.8	7.9	3.9	2.0	2.0
51.3	82.5°	61.2	13.8	13.8	9.9	5.9	0.0	0.0	0.0	0.0	0.0
19.7	85°	13.8	5.9	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
7.9	87.5°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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