

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: P953022

Luminaire Tested: **GALN-SB6C-950-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953022
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-SB6C-950-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 615mA 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: 26937 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

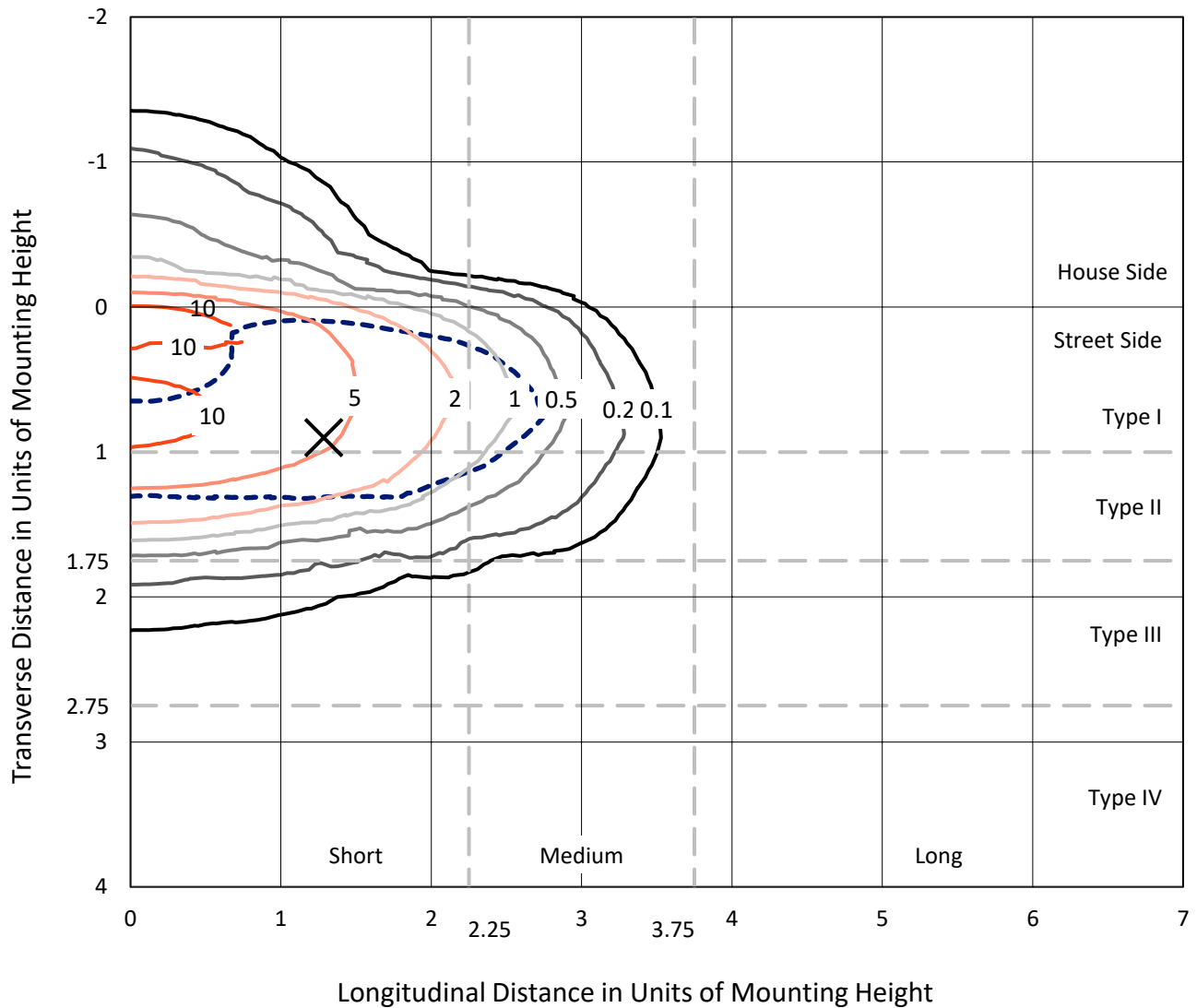
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

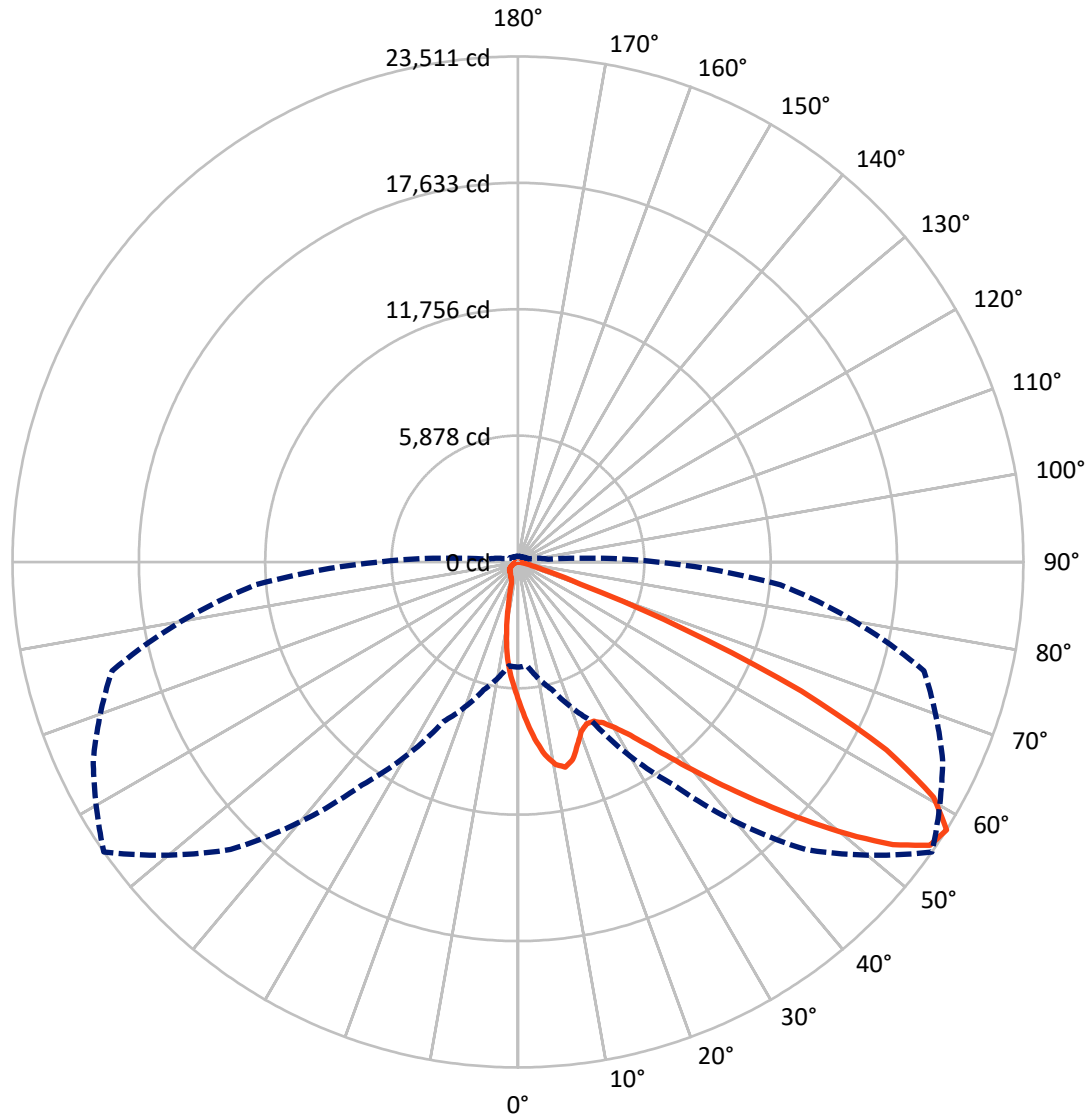
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 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	2103.7	0.0	2103.7
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	24833.3	0.0	24833.3
	% Fixture	92.2	0.0	92.2
Total	Lumens	26937.0	0.0	26937.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.0	2.2
10°-20°	1458.9	5.4
20°-30°	2334.2	8.7
30°-40°	3950.8	14.7
40°-50°	6486.3	24.1
50°-60°	7128.9	26.5
60°-70°	4089.2	15.2
70°-80°	835.5	3.1
80°-90°	49.3	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°	26937.0	100.0
0°-180°	26937.0	100.0

Coefficient of Utilization



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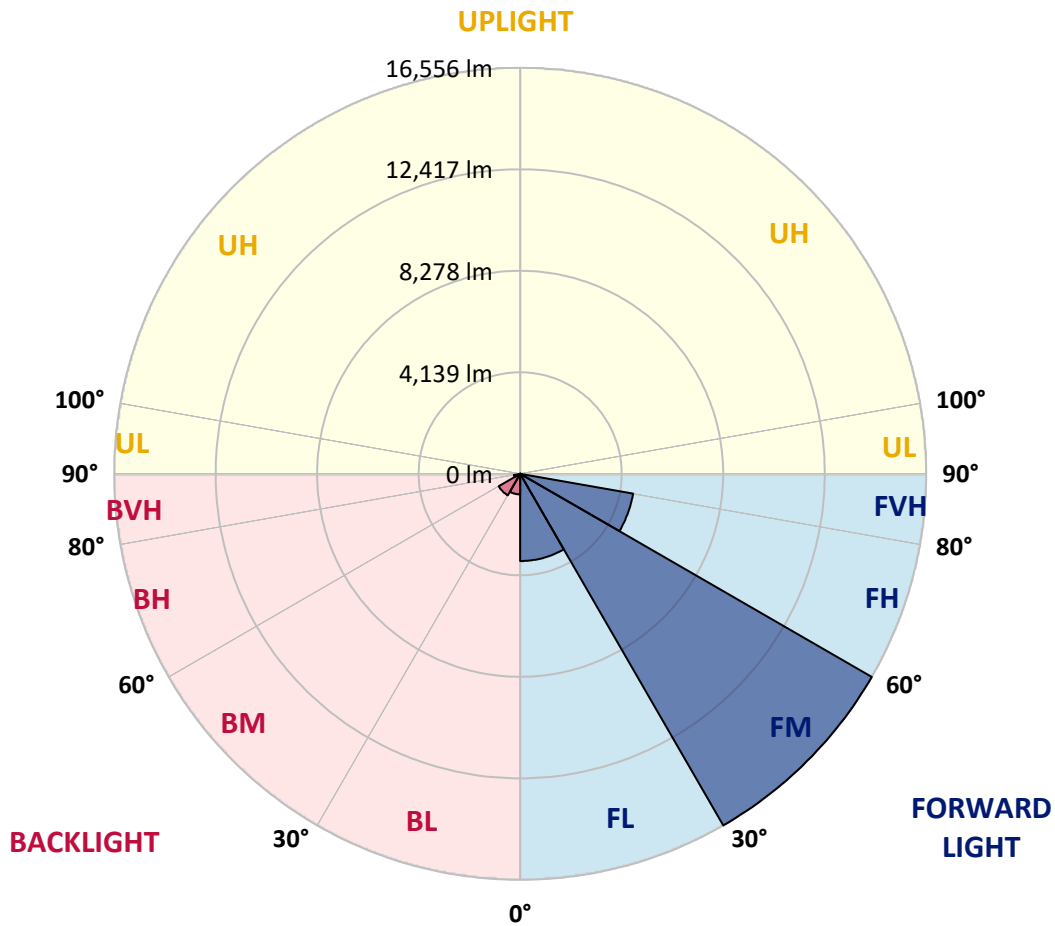
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3557.2	13.2			
FM (30°-60°)	16555.7	61.5			
FH (60°-80°)	4674.5	17.4			G2/5000
FVH (80°-90°)	46.0	0.2			G1/100
BL (0°-30°)	839.8	3.1	B2/1000		
BM (30°-60°)	1010.3	3.8	B2/2500		
BH (60°-80°)	250.2	0.9	B1/500		G1/500
BVH (80°-90°)	3.3	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6491.2	6491.2	6491.2	6491.2	6491.2	6491.2	6491.2	6491.2	6491.2	6491.2
2.5°	8054.1	7952.8	7937.9	7917.9	7725.3	7580.8	7371.5	7142.3	6884.8	6622.4
5°	9304.9	9225.1	9210.2	9117.2	8897.9	8652.1	8280.0	7810.0	7330.0	6765.2
7.5°	9547.4	9532.4	9600.5	9597.2	9567.3	9373.0	9059.0	8499.3	7778.4	6941.3
10°	8466.1	8504.3	8706.9	8884.6	9364.7	9643.7	9575.6	9113.9	8240.2	7142.3
12.5°	7481.1	7436.3	7580.8	7781.7	8339.8	9170.3	9789.9	9627.1	8768.4	7369.8
15°	6863.2	6844.9	6926.3	7019.3	7444.6	8281.7	9540.7	10044.0	9276.6	7638.9
17.5°	6665.6	6650.6	6675.5	6698.8	6974.5	7622.3	8947.8	10299.8	9763.3	7946.2
20°	6826.7	6806.7	6803.4	6785.1	6899.8	7341.6	8411.3	10318.1	10200.1	8225.2
22.5°	7296.7	7273.5	7192.1	7119.0	7129.0	7379.8	8172.1	10135.4	10529.0	8486.0
25°	8148.8	8110.6	7941.2	7695.4	7539.2	7645.5	8208.6	9894.5	10842.9	8690.3
27.5°	9215.2	9165.3	8947.8	8582.3	8225.2	8095.7	8472.7	9728.4	11103.7	8846.4
30°	10259.9	10195.2	9980.9	9696.9	9175.3	8766.7	8949.4	9801.5	11414.3	9009.2
32.5°	11387.8	11326.3	11042.3	10690.1	10258.3	9708.5	9602.2	10158.6	11794.7	9236.8
35°	12814.5	12718.2	12314.6	11834.6	11376.1	10819.7	10485.8	10774.8	12301.3	9583.9
37.5°	14439.0	14309.4	13874.3	13211.5	12613.6	11990.7	11562.2	11622.0	13043.8	10049.0
40°	15970.4	15852.5	15450.5	14826.0	14075.2	13319.5	12862.7	12729.8	14068.6	10615.4
42.5°	16889.0	16782.7	16613.2	16349.1	15716.3	14945.6	14369.2	14081.9	15281.1	11293.1
45°	16940.4	16847.4	17075.0	17382.3	17257.7	16744.5	16041.9	15515.3	16498.6	11929.2
47.5°	16116.6	16053.5	16744.5	17817.5	18352.3	18568.2	17920.4	16829.2	17503.5	12386.0
50°	13870.9	13847.7	15269.5	17239.4	18769.2	20166.1	19902.0	18051.7	18282.5	12621.9
52.5°	12027.2	11942.5	12771.4	15389.1	18162.9	21006.6	21838.7	19250.9	18827.3	12666.7
55°	9122.2	9047.4	10087.2	12293.0	16208.0	20707.6	23255.5	20488.3	19217.7	12552.1
57.5°	4893.3	4846.8	6160.6	8182.0	12670.0	18913.7	23511.3	21797.2	19546.5	12248.1
60°	1905.2	1896.9	2388.5	3969.8	7700.4	15387.4	22220.7	22582.8	19752.5	11874.4
62.5°	1152.7	1177.6	1257.4	1782.2	3401.7	9559.0	19245.9	21689.2	19890.4	11532.3
65°	953.4	955.1	965.0	1224.2	1629.4	3999.7	14488.8	18749.3	19549.9	10922.7
67.5°	817.2	832.2	870.4	971.7	1149.4	1754.0	8341.5	14523.7	17478.6	9504.2
70°	644.5	664.4	712.6	798.9	887.0	1097.9	3082.8	9663.6	13352.7	7163.9
72.5°	543.1	541.5	566.4	649.4	704.3	772.4	1185.9	5414.8	7760.2	3420.0
75°	420.2	436.8	468.4	543.1	576.4	559.8	642.8	1978.2	2780.5	1036.5
77.5°	328.9	342.2	370.4	443.5	476.7	397.0	370.4	707.6	893.6	372.1
80°	147.8	159.5	252.5	327.2	388.7	274.1	201.0	362.1	397.0	169.4
82.5°	26.6	44.8	147.8	172.7	199.3	177.7	104.6	187.7	194.3	68.1
85°	1.7	3.3	51.5	63.1	79.7	58.1	31.6	74.7	64.8	23.3
87.5°	0.0	0.0	0.0	1.7	1.7	8.3	10.0	13.3	10.0	8.3
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°
6491.2	0°	6491.2	6491.2	6491.2	6491.2	6491.2	6491.2	6491.2	6491.2	6491.2	6491.2
6506.1	2.5°	6386.5	6150.6	5921.4	5733.7	5624.1	5438.1	5315.2	5295.2	5243.7	5288.6
6522.7	5°	6263.6	5841.7	5414.8	5032.8	4718.9	4313.6	4011.3	3883.4	3772.1	3810.3
6565.9	7.5°	6205.5	5539.4	4875.0	4222.2	3551.2	2903.4	2421.7	2220.7	2067.9	2089.5
6614.1	10°	6127.4	5225.5	4184.0	3187.4	2288.8	1649.4	1317.2	1194.3	1126.2	1127.8
6685.5	12.5°	6067.6	4850.1	3381.8	2160.9	1393.6	1053.1	950.1	920.2	900.3	901.9
6793.5	15°	6037.7	4408.3	2589.5	1440.1	996.6	892.0	867.0	853.7	840.5	838.8
6913.0	17.5°	5987.9	3916.6	1895.2	1051.4	872.0	835.5	813.9	798.9	782.3	779.0
7016.0	20°	5913.1	3358.5	1385.3	888.6	817.2	789.0	759.1	739.1	719.2	715.9
7080.8	22.5°	5775.3	2768.9	1064.7	822.2	777.3	745.8	709.2	686.0	666.1	662.7
7049.2	25°	5519.5	2215.8	896.9	780.7	742.5	704.3	664.4	632.8	614.6	611.2
6981.1	27.5°	5195.6	1740.7	813.9	742.5	697.6	662.7	617.9	588.0	571.4	568.1
6891.5	30°	4813.6	1340.4	765.7	699.3	644.5	614.6	574.7	549.8	539.8	539.8
6828.3	32.5°	4401.6	1071.3	745.8	656.1	598.0	564.7	533.2	523.2	519.9	518.2
6863.2	35°	4014.6	930.2	735.8	621.2	556.4	524.9	511.6	513.2	519.9	519.9
6971.2	37.5°	3670.8	885.3	730.8	596.3	519.9	491.7	500.0	514.9	508.3	508.3
7160.5	40°	3360.2	890.3	727.5	578.0	490.0	473.4	490.0	478.4	461.8	460.1
7391.4	42.5°	3122.7	931.8	720.9	563.1	471.7	460.1	453.5	435.2	433.5	436.8
7630.6	45°	2949.9	968.4	719.2	556.4	451.8	430.2	421.9	403.6	436.8	445.1
7728.6	47.5°	2745.6	968.4	719.2	533.2	418.6	410.3	397.0	377.0	410.3	418.6
7635.6	50°	2481.5	906.9	691.0	506.6	392.0	387.0	363.8	338.8	332.2	337.2
7418.0	52.5°	2147.7	795.6	619.5	470.1	365.4	355.5	327.2	308.9	304.0	304.0
7027.7	55°	1767.3	666.1	523.2	416.9	337.2	318.9	299.0	290.7	285.7	282.4
6481.2	57.5°	1436.8	546.5	420.2	370.4	310.6	287.4	280.7	270.7	262.4	257.5
6024.4	60°	1179.3	430.2	347.1	328.9	284.0	262.4	260.8	247.5	225.9	222.6
5647.4	62.5°	910.2	315.6	292.3	285.7	257.5	239.2	235.9	209.3	176.1	169.4
5112.5	65°	642.8	245.8	235.9	250.8	229.2	212.6	204.3	164.4	129.6	124.6
4278.7	67.5°	451.8	206.0	186.0	219.3	199.3	177.7	172.7	139.5	108.0	104.6
3235.6	70°	322.2	167.8	152.8	187.7	159.5	156.1	146.2	116.3	88.0	84.7
1601.2	72.5°	227.6	127.9	117.9	162.8	109.6	134.5	119.6	89.7	66.4	63.1
544.8	75°	167.8	91.4	83.0	94.7	79.7	101.3	84.7	59.8	41.5	39.9
245.8	77.5°	122.9	58.1	49.8	46.5	46.5	63.1	46.5	24.9	18.3	16.6
124.6	80°	86.4	26.6	23.3	19.9	18.3	14.9	6.6	3.3	1.7	1.7
43.2	82.5°	51.5	11.6	11.6	8.3	5.0	0.0	0.0	0.0	0.0	0.0
16.6	85°	11.6	5.0	5.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
6.6	87.5°	1.7	1.7	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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