

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: P952938

Luminaire Tested: **GALN-SB6C-927-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952938
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-927-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 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: 23569 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

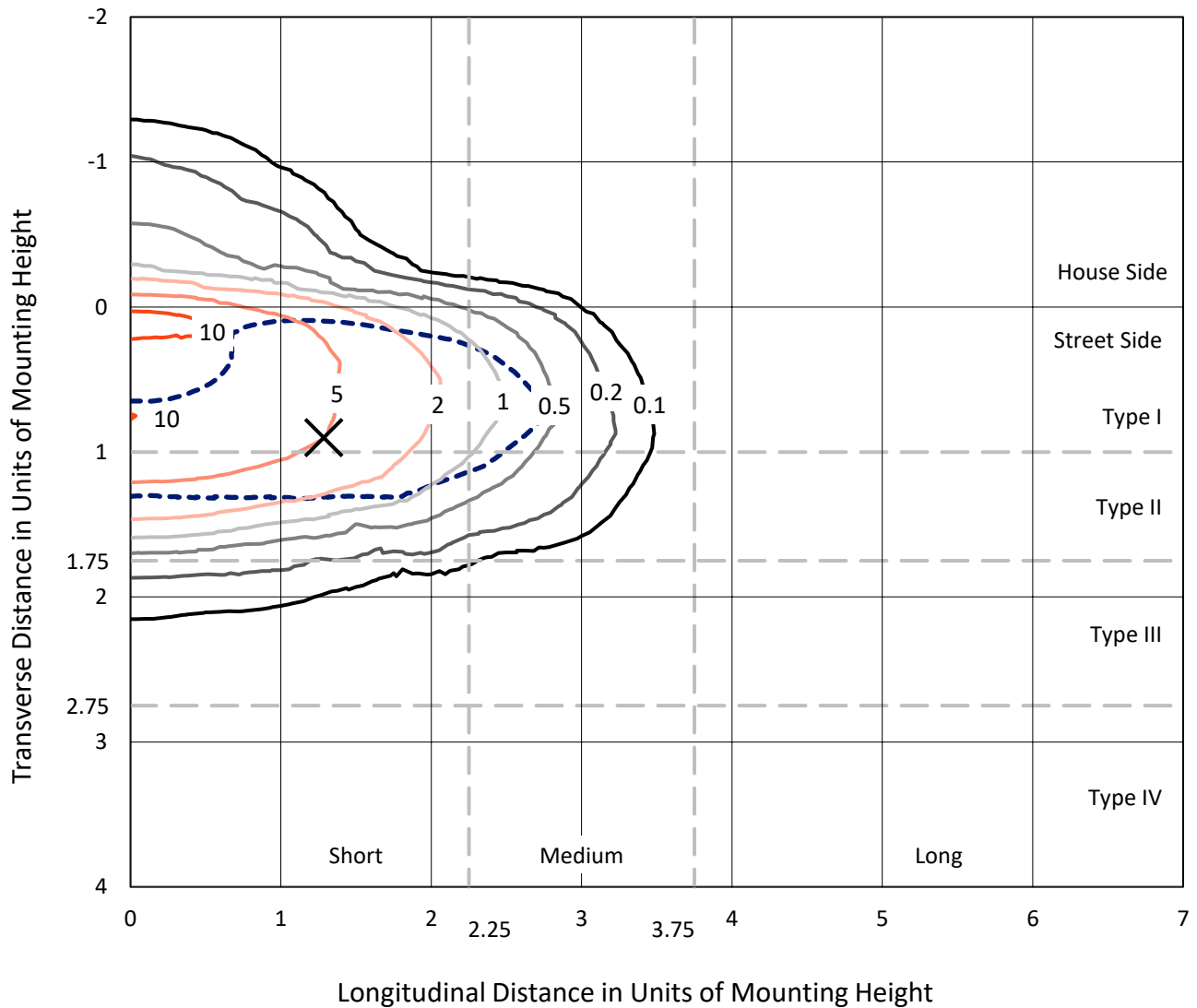
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

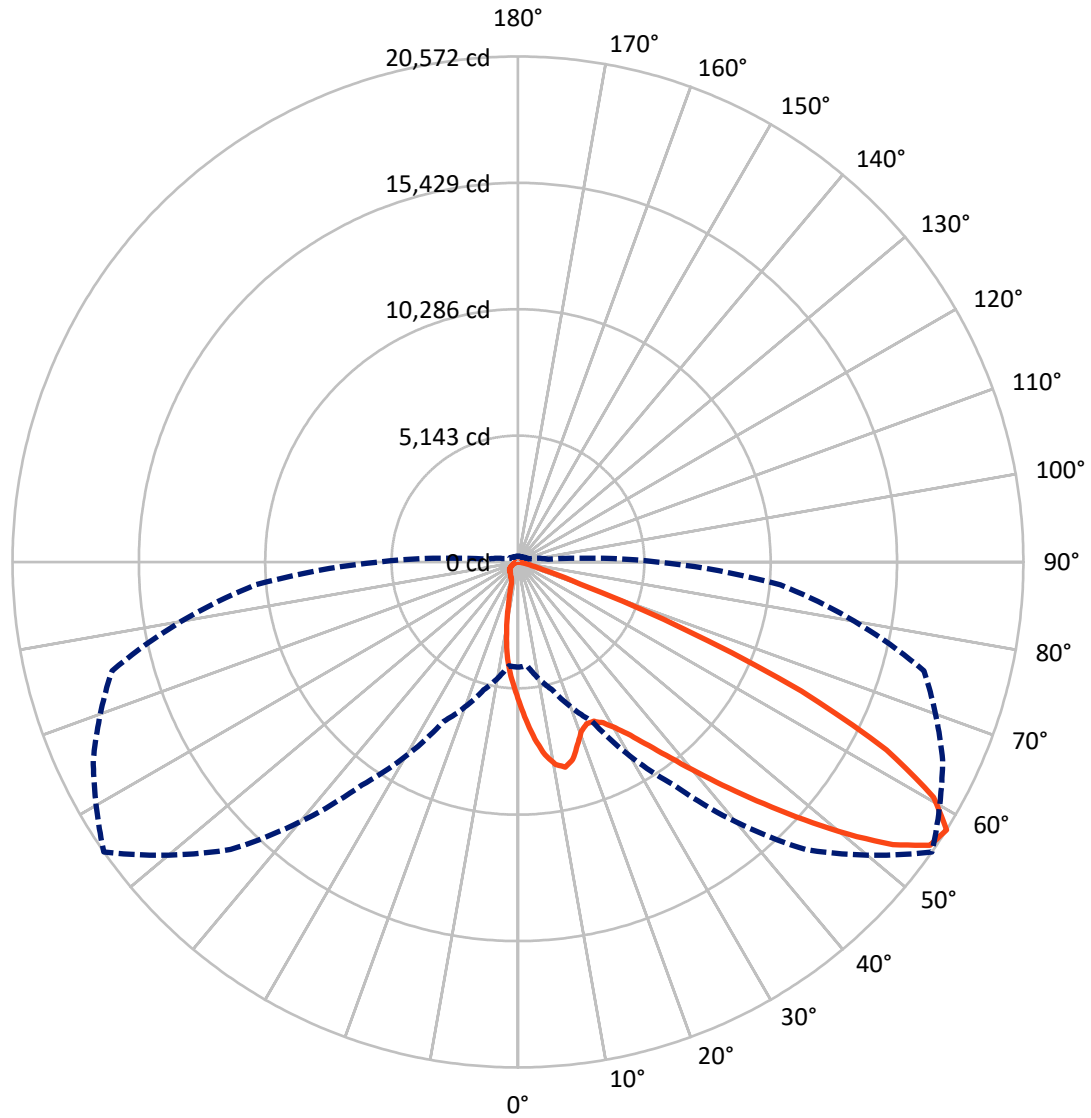
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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	1840.6	0.0	1840.6
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	21728.4	0.0	21728.4
	% Fixture	92.2	0.0	92.2
Total	Lumens	23569.0	0.0	23569.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.4	2.2
10°-20°	1276.5	5.4
20°-30°	2042.3	8.7
30°-40°	3456.8	14.7
40°-50°	5675.3	24.1
50°-60°	6237.6	26.5
60°-70°	3577.9	15.2
70°-80°	731.1	3.1
80°-90°	43.1	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°	23569.0	100.0
0°-180°	23569.0	100.0

Coefficient of Utilization



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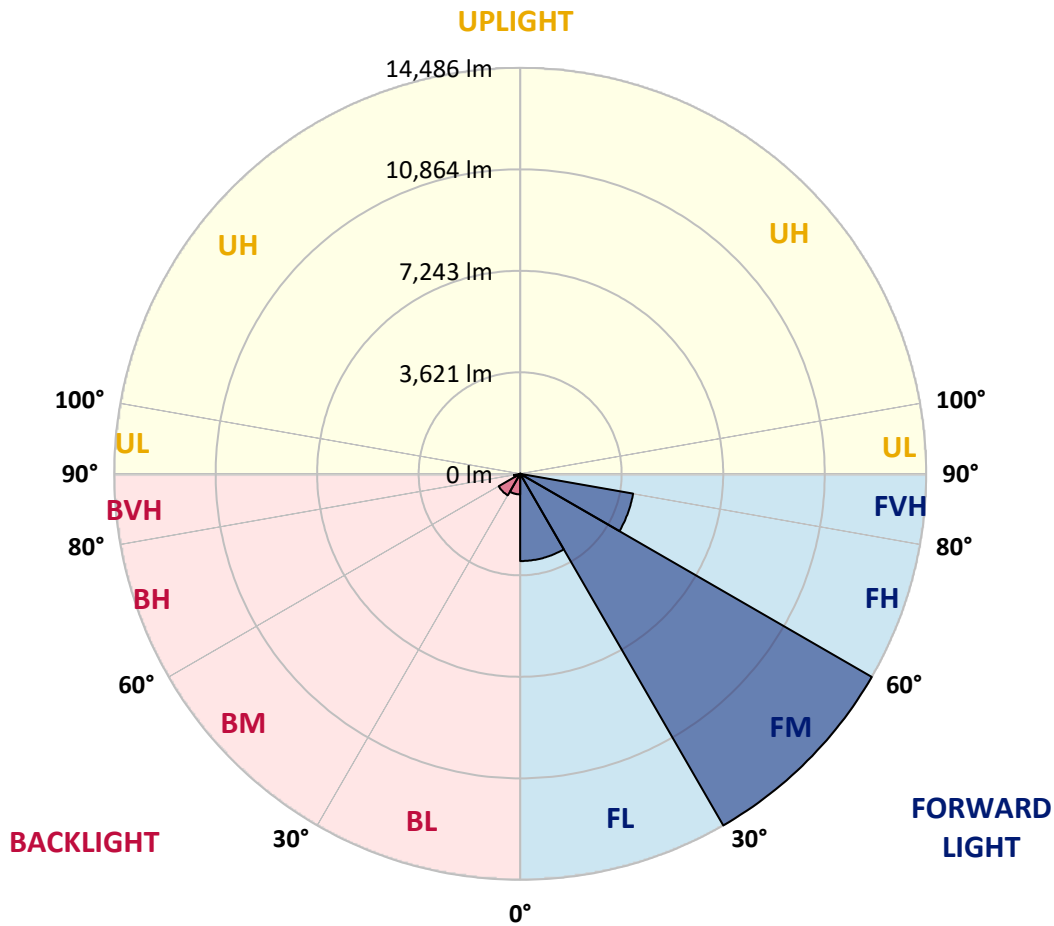
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3112.4	13.2			
FM (30°-60°)	14485.7	61.5			
FH (60°-80°)	4090.0	17.4			G2/5000
FVH (80°-90°)	40.2	0.2			G1/100
BL (0°-30°)	734.8	3.1	B2/1000		
BM (30°-60°)	884.0	3.8	B1/1000		
BH (60°-80°)	218.9	0.9	B1/500		G1/500
BVH (80°-90°)	2.9	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5
2.5°	7047.1	6958.5	6945.4	6927.9	6759.4	6632.9	6449.8	6249.2	6024.0	5794.4
5°	8141.5	8071.7	8058.6	7977.2	7785.4	7570.3	7244.8	6833.5	6413.5	5919.3
7.5°	8353.6	8340.6	8400.2	8397.2	8371.1	8201.0	7926.4	7436.6	6805.9	6073.4
10°	7407.5	7441.0	7618.3	7773.8	8193.8	8437.9	8378.4	7974.3	7209.9	6249.2
12.5°	6545.7	6506.5	6632.9	6808.8	7297.1	8023.7	8565.8	8423.4	7672.0	6448.4
15°	6005.1	5989.1	6060.3	6141.7	6513.7	7246.2	8347.8	8788.2	8116.8	6683.8
17.5°	5832.1	5819.1	5840.9	5861.2	6102.5	6669.3	7829.0	9012.0	8542.6	6952.7
20°	5973.1	5955.7	5952.8	5936.8	6037.1	6423.6	7359.6	9028.0	8924.8	7196.8
22.5°	6384.4	6364.1	6292.8	6228.9	6237.6	6457.1	7150.3	8868.1	9212.6	7425.0
25°	7130.0	7096.5	6948.3	6733.2	6596.6	6689.6	7182.3	8657.4	9487.2	7603.7
27.5°	8063.0	8019.4	7829.0	7509.3	7196.8	7083.4	7413.4	8512.1	9715.4	7740.3
30°	8977.1	8920.4	8733.0	8484.4	8028.1	7670.6	7830.5	8576.0	9987.2	7882.8
32.5°	9963.9	9910.1	9661.6	9353.5	8975.7	8494.6	8401.6	8888.5	10320.0	8081.9
35°	11212.3	11128.0	10774.9	10354.9	9953.7	9466.9	9174.8	9427.6	10763.2	8385.6
37.5°	12633.7	12520.3	12139.5	11559.7	11036.5	10491.5	10116.5	10168.8	11412.9	8792.5
40°	13973.6	13870.4	13518.7	12972.3	12315.4	11654.1	11254.5	11138.2	12309.6	9288.1
42.5°	14777.3	14684.3	14536.0	14305.0	13751.2	13076.9	12572.6	12321.2	13370.5	9881.1
45°	14822.3	14741.0	14940.1	15208.9	15099.9	14650.9	14036.1	13575.4	14435.8	10437.7
47.5°	14101.5	14046.3	14650.9	15589.7	16057.7	16246.6	15679.8	14725.0	15315.0	10837.4
50°	12136.6	12116.3	13360.3	15083.9	16422.4	17644.7	17413.6	15794.6	15996.6	11043.7
52.5°	10523.4	10449.3	11174.5	13464.9	15892.0	18380.1	19108.2	16843.9	16473.3	11083.0
55°	7981.6	7916.2	8826.0	10756.0	14181.4	18118.5	20347.8	17926.6	16814.8	10982.7
57.5°	4281.5	4240.8	5390.3	7159.0	11085.9	16548.9	20571.6	19071.8	17102.6	10716.7
60°	1667.0	1659.7	2089.9	3473.4	6737.6	13463.5	19442.4	19759.2	17282.8	10389.7
62.5°	1008.6	1030.4	1100.2	1559.4	2976.4	8363.8	16839.5	18977.4	17403.4	10090.4
65°	834.2	835.7	844.4	1071.1	1425.7	3499.6	12677.3	16405.0	17105.5	9557.0
67.5°	715.0	728.1	761.5	850.2	1005.7	1534.7	7298.5	12707.8	15293.2	8315.9
70°	563.9	581.3	623.5	699.0	776.1	960.6	2697.3	8455.4	11683.2	6268.1
72.5°	475.2	473.8	495.6	568.2	616.2	675.8	1037.7	4737.8	6789.9	2992.4
75°	367.7	382.2	409.8	475.2	504.3	489.8	562.4	1730.9	2432.8	906.9
77.5°	287.8	299.4	324.1	388.0	417.1	347.3	324.1	619.1	781.9	325.5
80°	129.3	139.5	220.9	286.3	340.1	239.8	175.9	316.8	347.3	148.2
82.5°	23.3	39.2	129.3	151.1	174.4	155.5	91.6	164.2	170.0	59.6
85°	1.5	2.9	45.1	55.2	69.8	50.9	27.6	65.4	56.7	20.3
87.5°	0.0	0.0	0.0	1.5	1.5	7.3	8.7	11.6	8.7	7.3
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°
5679.5	0°	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5	5679.5
5692.6	2.5°	5588.0	5381.6	5181.1	5016.8	4920.9	4758.1	4650.6	4633.2	4588.1	4627.3
5707.2	5°	5480.4	5111.3	4737.8	4403.5	4128.9	3774.3	3509.8	3397.8	3300.5	3333.9
5744.9	7.5°	5429.6	4846.8	4265.5	3694.3	3107.2	2540.4	2118.9	1943.1	1809.4	1828.3
5787.1	10°	5361.3	4572.1	3660.9	2788.9	2002.7	1443.1	1152.5	1044.9	985.3	986.8
5849.6	12.5°	5309.0	4243.7	2958.9	1890.8	1219.3	921.4	831.3	805.1	787.7	789.1
5944.1	15°	5282.8	3857.1	2265.7	1260.0	872.0	780.4	758.6	747.0	735.4	733.9
6048.7	17.5°	5239.2	3426.9	1658.2	919.9	763.0	731.0	712.1	699.0	684.5	681.6
6138.8	20°	5173.8	2938.6	1212.1	777.5	715.0	690.3	664.2	646.7	629.3	626.4
6195.5	22.5°	5053.2	2422.7	931.6	719.4	680.2	652.5	620.6	600.2	582.8	579.9
6167.9	25°	4829.4	1938.7	784.8	683.1	649.6	616.2	581.3	553.7	537.7	534.8
6108.3	27.5°	4546.0	1523.1	712.1	649.6	610.4	579.9	540.6	514.5	499.9	497.0
6029.8	30°	4211.7	1172.8	670.0	611.8	563.9	537.7	502.8	481.0	472.3	472.3
5974.6	32.5°	3851.3	937.4	652.5	574.1	523.2	494.1	466.5	457.8	454.9	453.4
6005.1	35°	3512.7	813.9	643.8	543.5	486.9	459.2	447.6	449.1	454.9	454.9
6099.6	37.5°	3211.8	774.6	639.5	521.7	454.9	430.2	437.4	450.5	444.7	444.7
6265.2	40°	2940.1	779.0	636.6	505.8	428.7	414.2	428.7	418.6	404.0	402.6
6467.2	42.5°	2732.2	815.3	630.7	492.7	412.7	402.6	396.8	380.8	379.3	382.2
6676.5	45°	2581.1	847.3	629.3	486.9	395.3	376.4	369.1	353.2	382.2	389.5
6762.3	47.5°	2402.3	847.3	629.3	466.5	366.2	359.0	347.3	329.9	359.0	366.2
6680.9	50°	2171.2	793.5	604.6	443.3	343.0	338.6	318.3	296.5	290.7	295.0
6490.5	52.5°	1879.1	696.1	542.1	411.3	319.7	311.0	286.3	270.3	266.0	266.0
6149.0	55°	1546.3	582.8	457.8	364.8	295.0	279.0	261.6	254.3	250.0	247.1
5670.8	57.5°	1257.1	478.1	367.7	324.1	271.8	251.4	245.6	236.9	229.6	225.3
5271.2	60°	1031.9	376.4	303.7	287.8	248.5	229.6	228.2	216.5	197.7	194.7
4941.3	62.5°	796.4	276.1	255.8	250.0	225.3	209.3	206.4	183.1	154.1	148.2
4473.3	65°	562.4	215.1	206.4	219.5	200.6	186.0	178.8	143.9	113.4	109.0
3743.7	67.5°	395.3	180.2	162.8	191.8	174.4	155.5	151.1	122.1	94.5	91.6
2831.1	70°	281.9	146.8	133.7	164.2	139.5	136.6	127.9	101.7	77.0	74.1
1401.0	72.5°	199.1	111.9	103.2	142.4	95.9	117.7	104.6	78.5	58.1	55.2
476.7	75°	146.8	79.9	72.7	82.8	69.8	88.7	74.1	52.3	36.3	34.9
215.1	77.5°	107.5	50.9	43.6	40.7	40.7	55.2	40.7	21.8	16.0	14.5
109.0	80°	75.6	23.3	20.3	17.4	16.0	13.1	5.8	2.9	1.5	1.5
37.8	82.5°	45.1	10.2	10.2	7.3	4.4	0.0	0.0	0.0	0.0	0.0
14.5	85°	10.2	4.4	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
5.8	87.5°	1.5	1.5	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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