

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: P952308

Luminaire Tested: **GALN-SB6A-950-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952308
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-SB6A-950-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 350mA 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: 16134 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

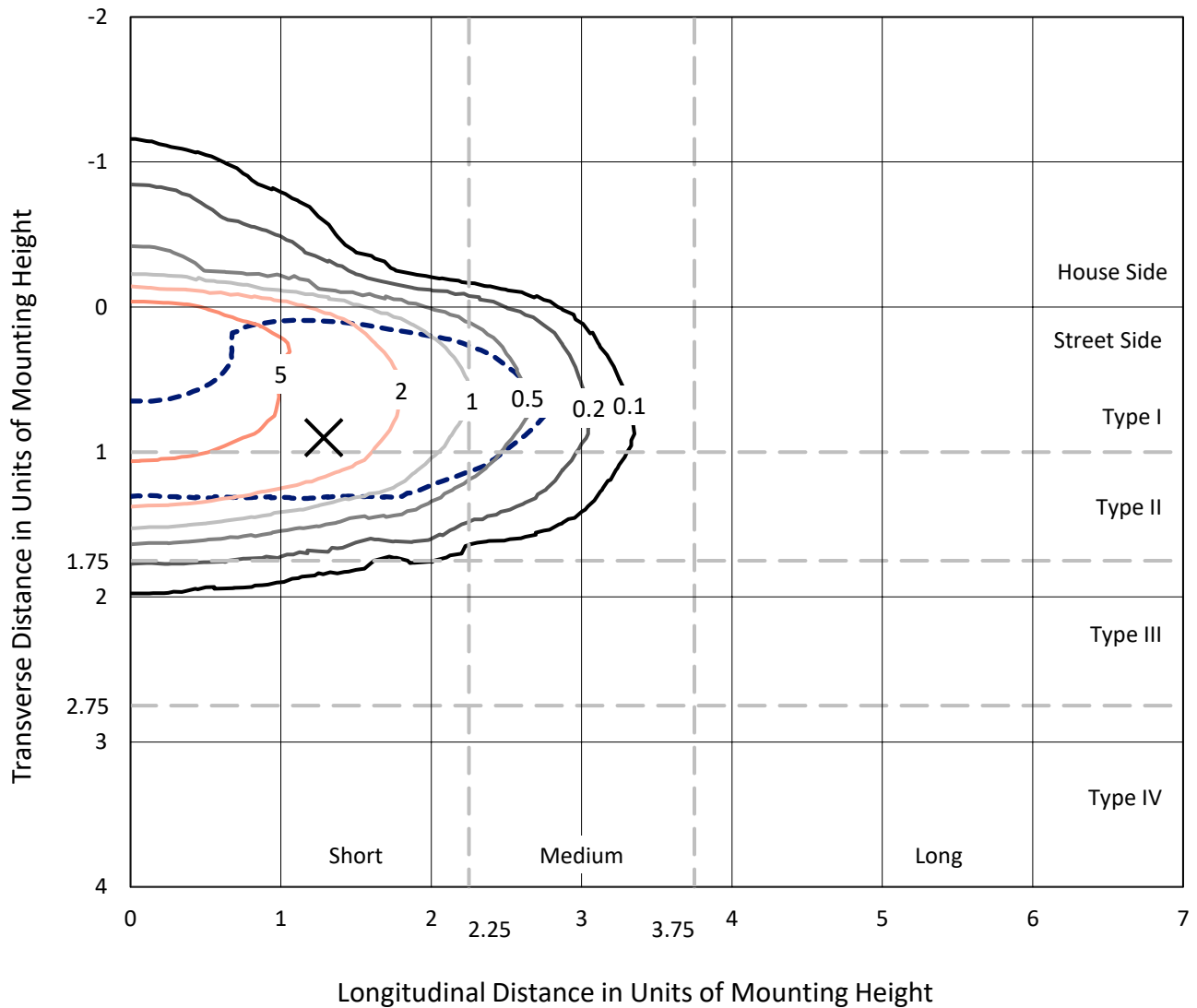
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

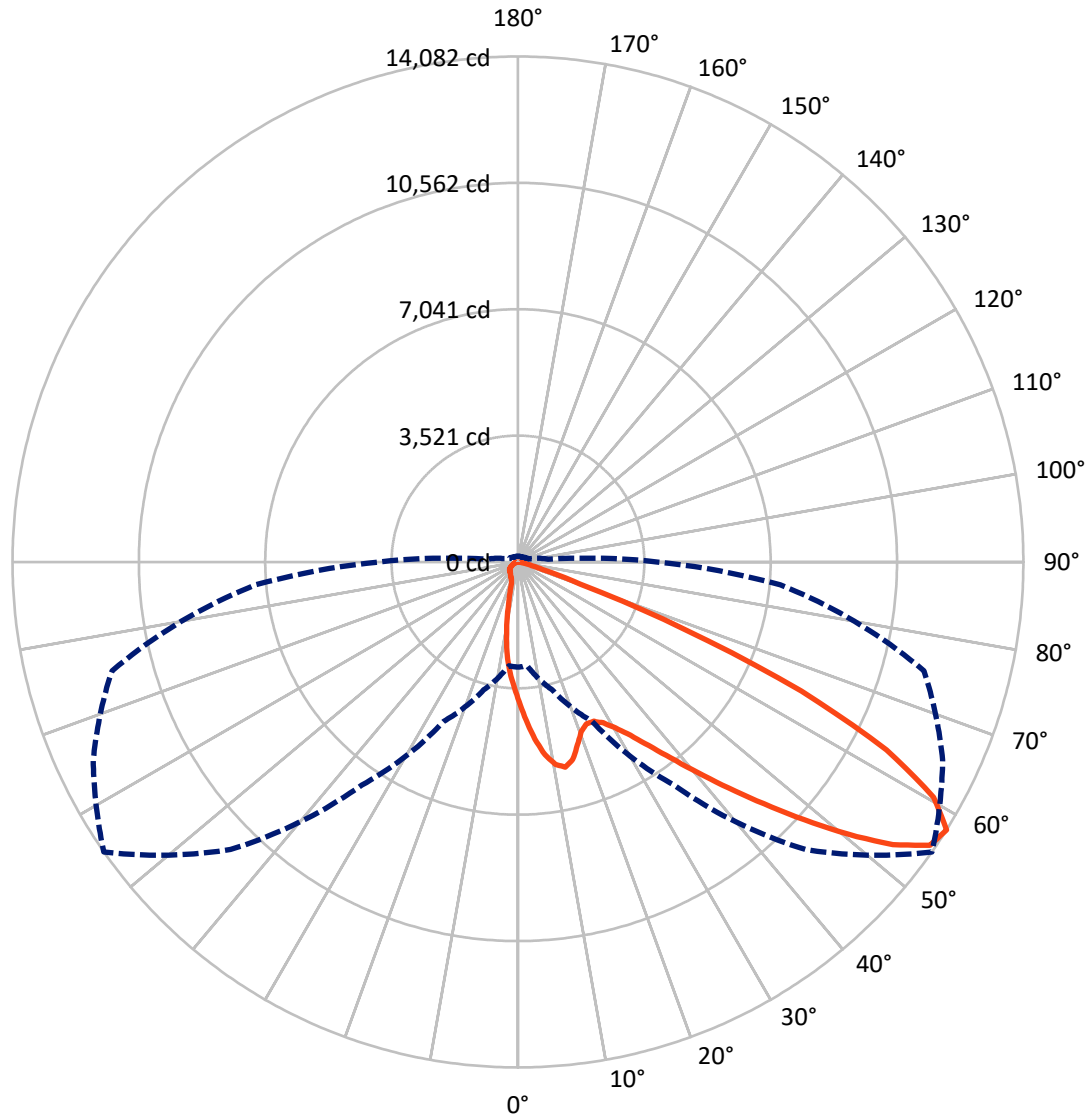
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

REPORT NUMBER: P952308
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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	1260.0	0.0	1260.0
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	14874.0	0.0	14874.0
	% Fixture	92.2	0.0	92.2
Total	Lumens	16134.0	0.0	16134.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.7	2.2
10°-20°	873.8	5.4
20°-30°	1398.1	8.7
30°-40°	2366.3	14.7
40°-50°	3885.0	24.1
50°-60°	4269.9	26.5
60°-70°	2449.2	15.2
70°-80°	500.4	3.1
80°-90°	29.5	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°	16134.0	100.0
0°-180°	16134.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952308

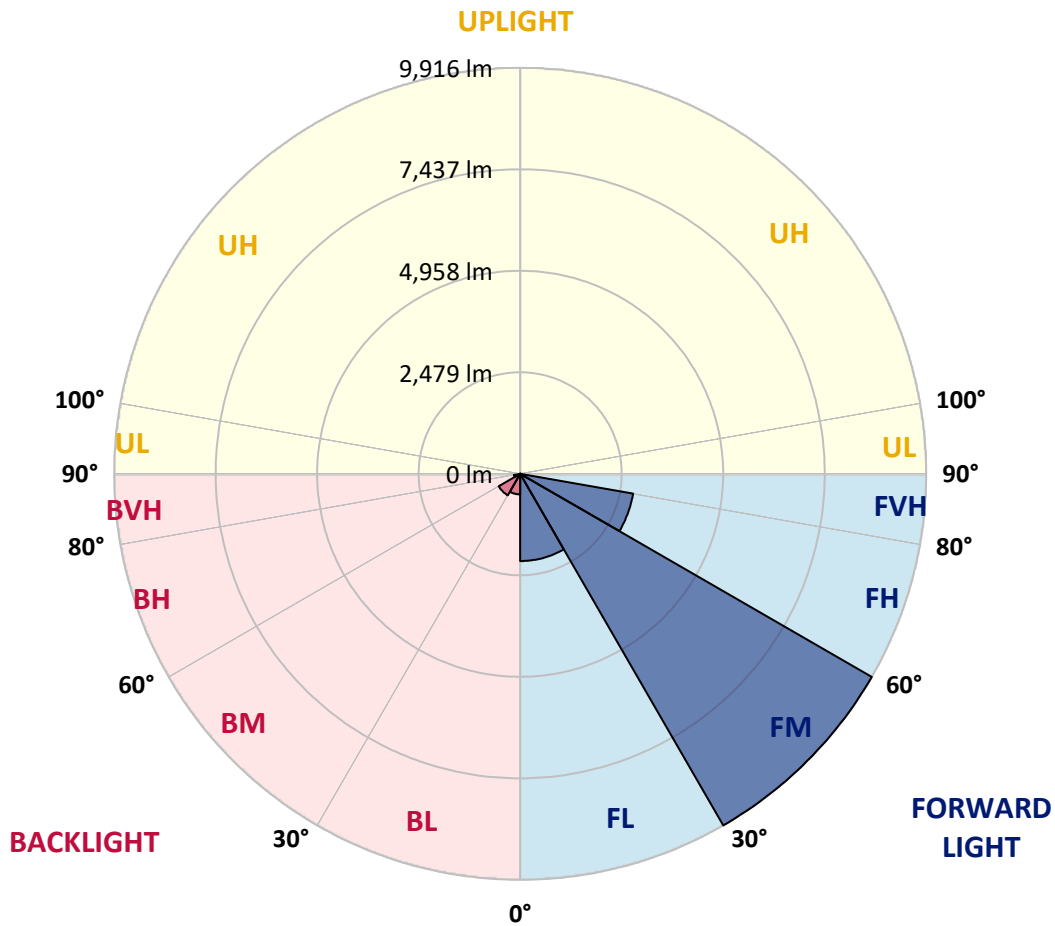
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2130.6	13.2			
FM (30°-60°)	9916.1	61.5			
FH (60°-80°)	2799.8	17.4			G2/5000
FVH (80°-90°)	27.5	0.2			G1/100
BL (0°-30°)	503.0	3.1	B2/1000		
BM (30°-60°)	605.1	3.8	B1/1000		
BH (60°-80°)	149.8	0.9	B1/500		G1/500
BVH (80°-90°)	2.0	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°	3887.9	3887.9	3887.9	3887.9	3887.9	3887.9	3887.9	3887.9	3887.9	3887.9
2.5°	4824.1	4763.4	4754.4	4742.5	4627.1	4540.5	4415.2	4277.9	4123.7	3966.5
5°	5573.2	5525.4	5516.5	5460.8	5329.4	5182.2	4959.4	4677.8	4390.3	4052.0
7.5°	5718.4	5709.5	5750.3	5748.3	5730.4	5614.0	5425.9	5090.7	4658.9	4157.5
10°	5070.8	5093.7	5215.0	5321.5	5609.0	5776.1	5735.3	5458.8	4935.5	4277.9
12.5°	4480.8	4454.0	4540.5	4660.9	4995.2	5492.6	5863.7	5766.2	5251.8	4414.2
15°	4110.7	4099.8	4148.5	4204.3	4458.9	4960.4	5714.5	6015.9	5556.3	4575.3
17.5°	3992.4	3983.4	3998.3	4012.3	4177.4	4565.4	5359.3	6169.1	5847.8	4759.4
20°	4088.9	4076.9	4074.9	4064.0	4132.6	4397.3	5037.9	6180.0	6109.4	4926.5
22.5°	4370.4	4356.5	4307.7	4264.0	4269.9	4420.1	4894.7	6070.6	6306.4	5082.7
25°	4880.8	4857.9	4756.4	4609.2	4515.7	4579.3	4916.6	5926.4	6494.4	5205.1
27.5°	5519.5	5489.6	5359.3	5140.4	4926.5	4848.9	5074.8	5826.9	6650.6	5298.6
30°	6145.2	6106.4	5978.1	5808.0	5495.6	5250.8	5360.3	5870.6	6836.6	5396.1
32.5°	6820.7	6783.9	6613.8	6402.9	6144.2	5814.9	5751.3	6084.5	7064.5	5532.4
35°	7675.3	7617.6	7375.9	7088.3	6813.8	6480.5	6280.5	6453.6	7367.9	5740.3
37.5°	8648.3	8570.7	8310.0	7913.1	7554.9	7181.9	6925.2	6961.0	7812.6	6018.9
40°	9565.5	9494.9	9254.1	8880.1	8430.4	7977.7	7704.2	7624.6	8426.4	6358.1
42.5°	10115.7	10052.0	9950.5	9792.4	9413.3	8951.7	8606.5	8434.4	9152.7	6764.0
45°	10146.5	10090.8	10227.1	10411.2	10336.6	10029.1	9608.3	9292.9	9881.9	7145.1
47.5°	9653.1	9615.3	10029.1	10671.8	10992.2	11121.5	10733.5	10079.9	10483.8	7418.6
50°	8308.0	8294.1	9145.7	10325.6	11241.9	12078.5	11920.4	10812.1	10950.4	7559.9
52.5°	7203.8	7153.0	7649.4	9217.3	10878.7	12581.9	13080.4	11530.4	11276.7	7586.8
55°	5463.7	5419.0	6041.8	7362.9	9707.8	12402.9	13929.0	12271.5	11510.5	7518.1
57.5°	2930.8	2903.0	3689.9	4900.7	7588.8	11328.4	14082.2	13055.5	11707.5	7336.1
60°	1141.1	1136.1	1430.6	2377.7	4612.2	9216.3	13309.2	13526.1	11830.8	7112.2
62.5°	690.4	705.4	753.1	1067.5	2037.5	5725.4	11527.4	12990.8	11913.4	6907.3
65°	571.0	572.0	578.0	733.2	976.0	2395.6	8678.1	11229.9	11709.5	6542.2
67.5°	489.5	498.4	521.3	582.0	688.4	1050.6	4996.2	8699.0	10468.9	5692.6
70°	386.0	397.9	426.8	478.5	531.3	657.6	1846.5	5788.1	7997.6	4290.8
72.5°	325.3	324.3	339.2	389.0	421.8	462.6	710.3	3243.2	4648.0	2048.4
75°	251.7	261.6	280.5	325.3	345.2	335.3	385.0	1184.9	1665.4	620.8
77.5°	197.0	204.9	221.9	265.6	285.5	237.8	221.9	423.8	535.2	222.8
80°	88.5	95.5	151.2	196.0	232.8	164.2	120.4	216.9	237.8	101.5
82.5°	15.9	26.9	88.5	103.5	119.4	106.4	62.7	112.4	116.4	40.8
85°	1.0	2.0	30.8	37.8	47.8	34.8	18.9	44.8	38.8	13.9
87.5°	0.0	0.0	0.0	1.0	1.0	5.0	6.0	8.0	6.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952308
 CATALOG NUMBER: GALN-SB6A-950-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
3887.9	0°	3887.9	3887.9	3887.9	3887.9	3887.9	3887.9	3887.9	3887.9	3887.9	3887.9
3896.9	2.5°	3825.2	3684.0	3546.7	3434.2	3368.6	3257.2	3183.5	3171.6	3140.8	3167.6
3906.8	5°	3751.6	3498.9	3243.2	3014.4	2826.4	2583.6	2402.6	2326.0	2259.3	2282.2
3932.7	7.5°	3716.8	3317.8	2919.9	2528.9	2127.0	1739.0	1450.5	1330.1	1238.6	1251.5
3961.5	10°	3670.0	3129.8	2506.0	1909.1	1370.9	987.9	788.9	715.3	674.5	675.5
4004.3	12.5°	3634.2	2905.0	2025.5	1294.3	834.7	630.7	569.1	551.2	539.2	540.2
4069.0	15°	3616.3	2640.3	1551.0	862.5	596.9	534.2	519.3	511.4	503.4	502.4
4140.6	17.5°	3586.5	2345.9	1135.1	629.7	522.3	500.4	487.5	478.5	468.6	466.6
4202.3	20°	3541.7	2011.6	829.7	532.2	489.5	472.6	454.6	442.7	430.8	428.8
4241.1	22.5°	3459.1	1658.4	637.7	492.5	465.6	446.7	424.8	410.9	398.9	396.9
4222.2	25°	3305.9	1327.1	537.2	467.6	444.7	421.8	397.9	379.0	368.1	366.1
4181.4	27.5°	3111.9	1042.6	487.5	444.7	417.8	396.9	370.1	352.2	342.2	340.2
4127.7	30°	2883.1	802.8	458.6	418.8	386.0	368.1	344.2	329.3	323.3	323.3
4089.9	32.5°	2636.4	641.7	446.7	393.0	358.1	338.3	319.3	313.4	311.4	310.4
4110.7	35°	2404.6	557.1	440.7	372.1	333.3	314.4	306.4	307.4	311.4	311.4
4175.4	37.5°	2198.6	530.3	437.7	357.2	311.4	294.5	299.5	308.4	304.4	304.4
4288.8	40°	2012.6	533.2	435.7	346.2	293.5	283.5	293.5	286.5	276.6	275.6
4427.1	42.5°	1870.3	558.1	431.8	337.3	282.5	275.6	271.6	260.7	259.7	261.6
4570.4	45°	1766.9	580.0	430.8	333.3	270.6	257.7	252.7	241.7	261.6	266.6
4629.1	47.5°	1644.5	580.0	430.8	319.3	250.7	245.7	237.8	225.8	245.7	250.7
4573.4	50°	1486.3	543.2	413.9	303.4	234.8	231.8	217.9	203.0	199.0	202.0
4443.0	52.5°	1286.3	476.5	371.1	281.5	218.9	212.9	196.0	185.0	182.1	182.1
4209.2	55°	1058.5	398.9	313.4	249.7	202.0	191.0	179.1	174.1	171.1	169.1
3881.9	57.5°	860.6	327.3	251.7	221.9	186.0	172.1	168.1	162.2	157.2	154.2
3608.3	60°	706.3	257.7	207.9	197.0	170.1	157.2	156.2	148.2	135.3	133.3
3382.5	62.5°	545.2	189.0	175.1	171.1	154.2	143.3	141.3	125.4	105.5	101.5
3062.2	65°	385.0	147.2	141.3	150.2	137.3	127.3	122.4	98.5	77.6	74.6
2562.7	67.5°	270.6	123.4	111.4	131.3	119.4	106.4	103.5	83.6	64.7	62.7
1938.0	70°	193.0	100.5	91.5	112.4	95.5	93.5	87.5	69.6	52.7	50.7
959.0	72.5°	136.3	76.6	70.6	97.5	65.7	80.6	71.6	53.7	39.8	37.8
326.3	75°	100.5	54.7	49.7	56.7	47.8	60.7	50.7	35.8	24.9	23.9
147.2	77.5°	73.6	34.8	29.8	27.9	27.9	37.8	27.9	14.9	10.9	9.9
74.6	80°	51.7	15.9	13.9	11.9	10.9	9.0	4.0	2.0	1.0	1.0
25.9	82.5°	30.8	7.0	7.0	5.0	3.0	0.0	0.0	0.0	0.0	0.0
9.9	85°	7.0	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
4.0	87.5°	1.0	1.0	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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