

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: P952224

Luminaire Tested: **GALN-SB6A-927-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952224
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-927-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 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: 14117 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

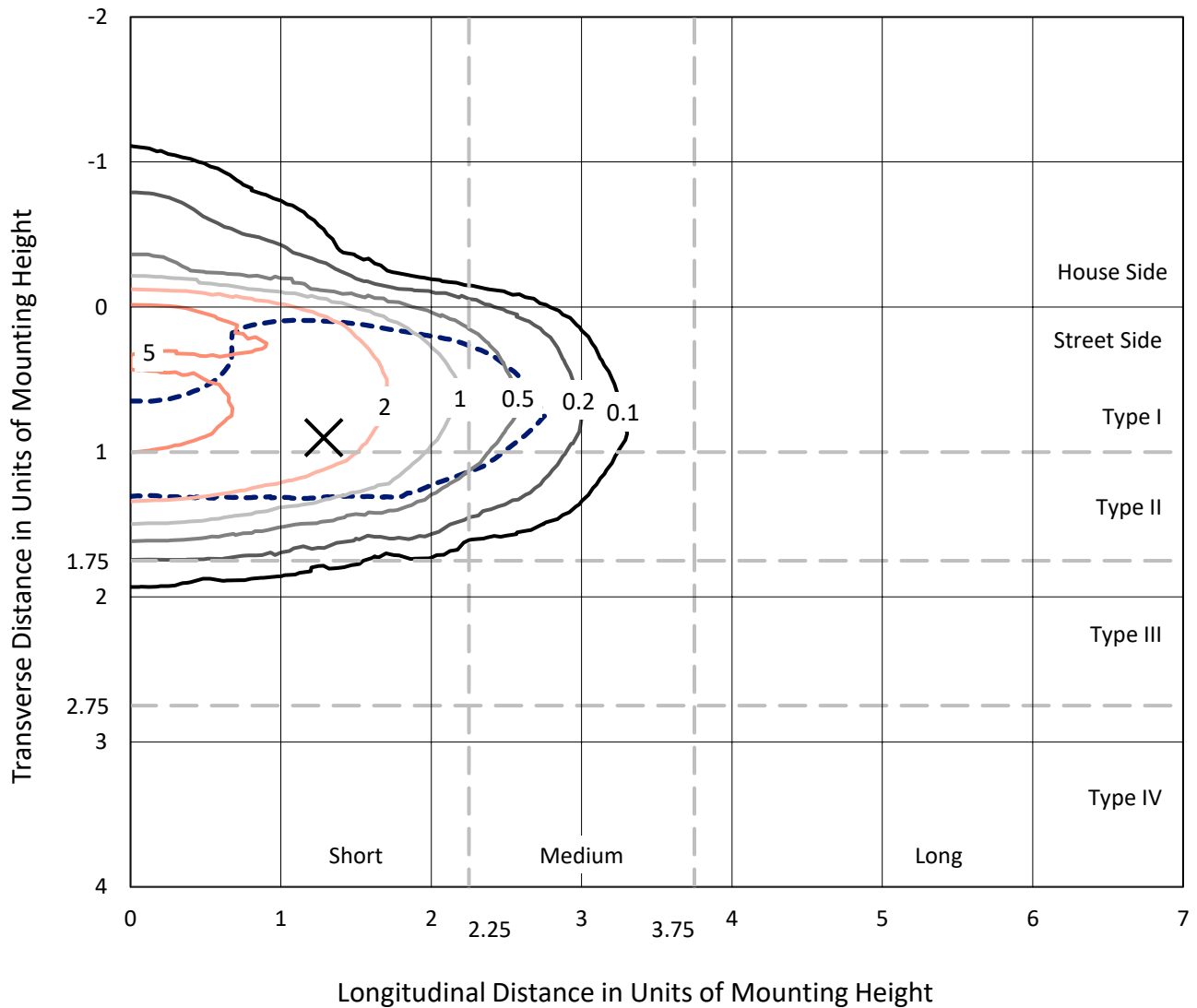
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

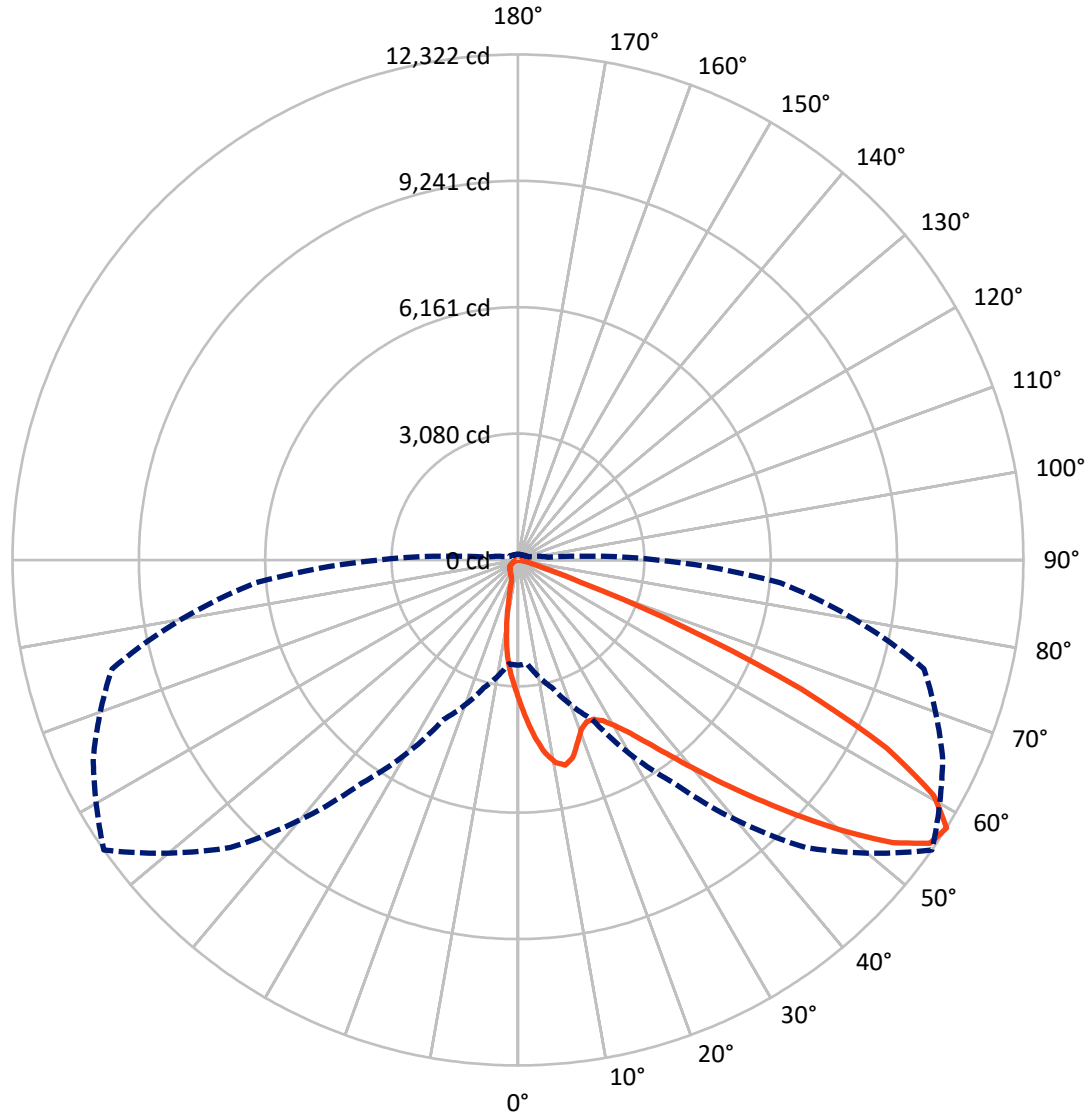
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	1102.5	0.0	1102.5
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	13014.5	0.0	13014.5
	% Fixture	92.2	0.0	92.2
Total	Lumens	14117.0	0.0	14117.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.5	2.2
10°-20°	764.6	5.4
20°-30°	1223.3	8.7
30°-40°	2070.5	14.7
40°-50°	3399.3	24.1
50°-60°	3736.1	26.5
60°-70°	2143.0	15.2
70°-80°	437.9	3.1
80°-90°	25.8	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°	14117.0	100.0
0°-180°	14117.0	100.0

Coefficient of Utilization



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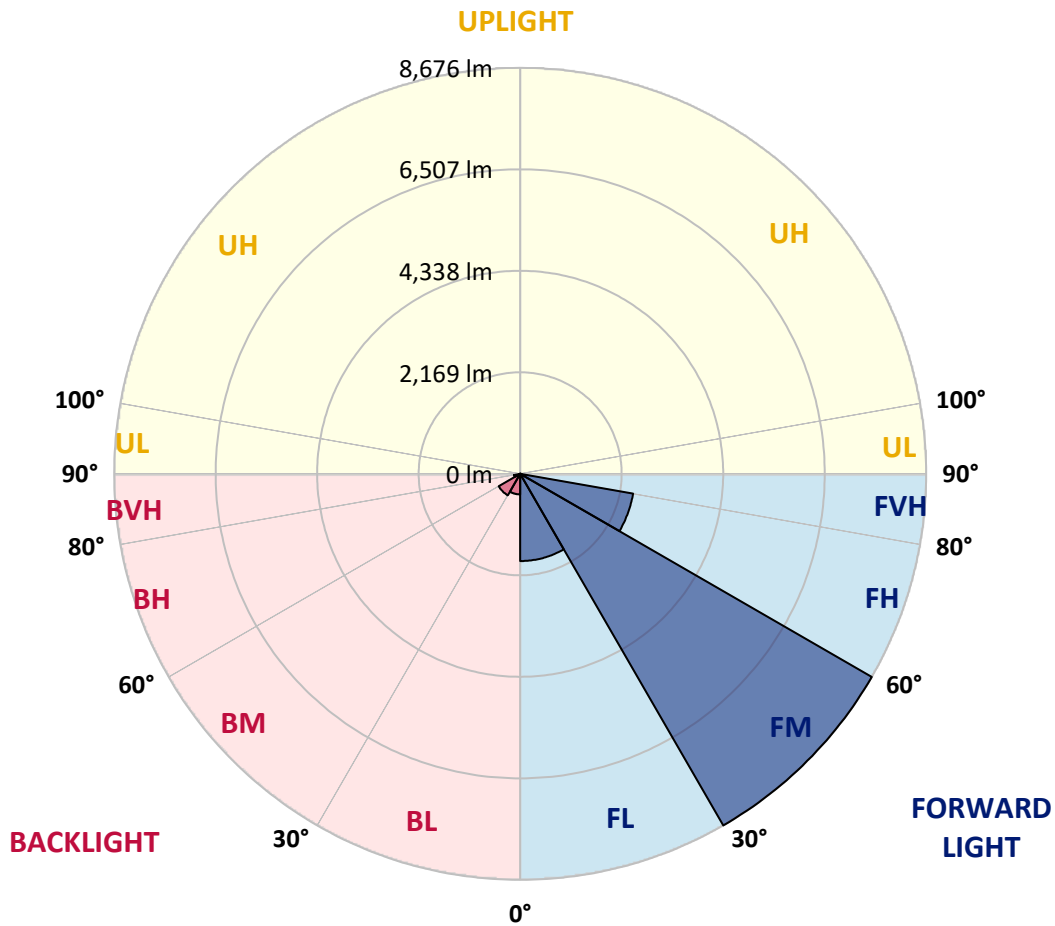
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1864.2	13.2			
FM (30°-60°)	8676.4	61.5			
FH (60°-80°)	2449.8	17.4			G2/5000
FVH (80°-90°)	24.1	0.2			G1/100
BL (0°-30°)	440.1	3.1	B1/500		
BM (30°-60°)	529.5	3.8	B1/1000		
BH (60°-80°)	131.1	0.9	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3401.8	3401.8	3401.8	3401.8	3401.8	3401.8	3401.8	3401.8	3401.8	3401.8
2.5°	4221.0	4167.9	4160.0	4149.6	4048.6	3972.9	3863.2	3743.1	3608.2	3470.6
5°	4876.4	4834.7	4826.8	4778.1	4663.2	4534.3	4339.4	4093.0	3841.4	3545.5
7.5°	5003.5	4995.7	5031.4	5029.7	5014.0	4912.1	4747.6	4454.3	4076.5	3637.8
10°	4436.9	4456.9	4563.1	4656.2	4907.8	5054.0	5018.3	4776.3	4318.5	3743.1
12.5°	3920.7	3897.2	3972.9	4078.2	4370.7	4805.9	5130.6	5045.3	4595.3	3862.3
15°	3596.8	3587.3	3629.9	3678.7	3901.5	4340.2	5000.1	5263.8	4861.6	4003.4
17.5°	3493.2	3485.4	3498.5	3510.7	3655.2	3994.6	4689.3	5397.9	5116.7	4164.4
20°	3577.7	3567.2	3565.5	3555.9	3616.0	3847.5	4408.1	5407.4	5345.6	4310.6
22.5°	3824.0	3811.8	3769.2	3730.9	3736.1	3867.6	4282.8	5311.7	5518.0	4447.3
25°	4270.6	4250.6	4161.8	4032.9	3951.1	4006.8	4301.9	5185.5	5682.5	4554.4
27.5°	4829.4	4803.3	4689.3	4497.8	4310.6	4242.7	4440.3	5098.4	5819.2	4636.2
30°	5377.0	5343.0	5230.7	5081.9	4808.6	4594.4	4690.2	5136.7	5982.0	4721.5
32.5°	5968.0	5935.8	5787.0	5602.4	5376.1	5088.0	5032.3	5323.9	6181.3	4840.8
35°	6715.8	6665.3	6453.8	6202.2	5961.9	5670.3	5495.4	5646.8	6446.8	5022.7
37.5°	7567.1	7499.2	7271.1	6923.8	6610.5	6284.0	6059.4	6090.8	6835.9	5266.4
40°	8369.7	8307.9	8097.2	7769.9	7376.5	6980.4	6741.0	6671.4	7373.0	5563.3
42.5°	8851.1	8795.4	8706.6	8568.2	8236.5	7832.6	7530.6	7380.0	8008.4	5918.4
45°	8878.1	8829.3	8948.6	9109.6	9044.3	8775.3	8407.1	8131.2	8646.5	6251.8
47.5°	8446.3	8413.2	8775.3	9337.7	9618.0	9731.1	9391.6	8819.7	9173.2	6491.2
50°	7269.4	7257.2	8002.4	9034.7	9836.5	10568.5	10430.1	9460.4	9581.4	6614.8
52.5°	6303.2	6258.8	6693.1	8065.0	9518.7	11009.0	11445.1	10088.9	9866.9	6638.3
55°	4780.7	4741.5	5286.4	6442.4	8494.2	10852.3	12187.6	10737.4	10071.5	6578.2
57.5°	2564.4	2540.1	3228.6	4288.0	6640.0	9912.2	12321.7	11423.4	10243.8	6418.9
60°	998.4	994.1	1251.8	2080.5	4035.6	8064.2	11645.3	11835.1	10351.8	6223.1
62.5°	604.1	617.2	659.0	934.0	1782.7	5009.6	10086.3	11366.8	10424.0	6043.8
65°	499.7	500.5	505.8	641.5	853.9	2096.1	7593.2	9826.0	10245.6	5724.3
67.5°	428.3	436.1	456.1	509.2	602.4	919.2	4371.6	7611.5	9160.1	4980.9
70°	337.7	348.2	373.4	418.7	464.8	575.4	1615.6	5064.5	6997.8	3754.4
72.5°	284.6	283.8	296.8	340.4	369.1	404.8	621.5	2837.8	4066.9	1792.3
75°	220.2	228.9	245.5	284.6	302.1	293.4	336.9	1036.7	1457.2	543.2
77.5°	172.4	179.3	194.1	232.4	249.8	208.0	194.1	370.8	468.3	195.0
80°	77.5	83.6	132.3	171.5	203.7	143.6	105.3	189.8	208.0	88.8
82.5°	13.9	23.5	77.5	90.5	104.5	93.1	54.8	98.4	101.8	35.7
85°	0.9	1.7	27.0	33.1	41.8	30.5	16.5	39.2	33.9	12.2
87.5°	0.0	0.0	0.0	0.9	0.9	4.4	5.2	7.0	5.2	4.4
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°
3401.8	0°	3401.8	3401.8	3401.8	3401.8	3401.8	3401.8	3401.8	3401.8	3401.8	3401.8
3409.7	2.5°	3347.0	3223.4	3103.3	3004.9	2947.5	2850.0	2785.5	2775.1	2748.1	2771.6
3418.4	5°	3282.6	3061.5	2837.8	2637.6	2473.0	2260.6	2102.2	2035.2	1976.9	1996.9
3441.0	7.5°	3252.1	2903.1	2554.9	2212.8	1861.1	1521.6	1269.2	1163.8	1083.8	1095.1
3466.3	10°	3211.2	2738.5	2192.7	1670.5	1199.5	864.4	690.3	625.9	590.2	591.1
3503.7	12.5°	3179.9	2541.8	1772.3	1132.5	730.3	551.9	497.9	482.2	471.8	472.7
3560.3	15°	3164.2	2310.3	1357.1	754.7	522.3	467.4	454.4	447.4	440.5	439.6
3623.0	17.5°	3138.1	2052.6	993.2	551.0	457.0	437.9	426.5	418.7	410.0	408.3
3676.9	20°	3098.9	1760.1	726.0	465.7	428.3	413.5	397.8	387.4	376.9	375.2
3710.9	22.5°	3026.7	1451.1	558.0	430.9	407.4	390.8	371.7	359.5	349.1	347.3
3694.3	25°	2892.6	1161.2	470.1	409.1	389.1	369.1	348.2	331.7	322.1	320.3
3658.6	27.5°	2722.9	912.3	426.5	389.1	365.6	347.3	323.8	308.2	299.4	297.7
3611.6	30°	2522.7	702.5	401.3	366.5	337.7	322.1	301.2	288.1	282.9	282.9
3578.6	32.5°	2306.8	561.5	390.8	343.8	313.4	296.0	279.4	274.2	272.5	271.6
3596.8	35°	2104.0	487.5	385.6	325.6	291.6	275.1	268.1	269.0	272.5	272.5
3653.4	37.5°	1923.8	464.0	383.0	312.5	272.5	257.7	262.0	269.8	266.4	266.4
3752.7	40°	1761.0	466.6	381.3	302.9	256.8	248.1	256.8	250.7	242.0	241.1
3873.7	42.5°	1636.5	488.3	377.8	295.1	247.2	241.1	237.6	228.1	227.2	228.9
3999.0	45°	1546.0	507.5	376.9	291.6	236.8	225.5	221.1	211.5	228.9	233.3
4050.4	47.5°	1438.9	507.5	376.9	279.4	219.4	215.0	208.0	197.6	215.0	219.4
4001.6	50°	1300.5	475.3	362.1	265.5	205.4	202.8	190.6	177.6	174.1	176.7
3887.6	52.5°	1125.5	417.0	324.7	246.3	191.5	186.3	171.5	161.9	159.3	159.3
3683.0	55°	926.2	349.1	274.2	218.5	176.7	167.1	156.7	152.3	149.7	148.0
3396.6	57.5°	753.0	286.4	220.2	194.1	162.8	150.6	147.1	141.9	137.5	134.9
3157.2	60°	618.0	225.5	181.9	172.4	148.9	137.5	136.7	129.7	118.4	116.6
2959.6	62.5°	477.0	165.4	153.2	149.7	134.9	125.3	123.6	109.7	92.3	88.8
2679.3	65°	336.9	128.8	123.6	131.4	120.1	111.4	107.1	86.2	67.9	65.3
2242.4	67.5°	236.8	107.9	97.5	114.9	104.5	93.1	90.5	73.1	56.6	54.8
1695.7	70°	168.9	87.9	80.1	98.4	83.6	81.8	76.6	60.9	46.1	44.4
839.1	72.5°	119.3	67.0	61.8	85.3	57.5	70.5	62.7	47.0	34.8	33.1
285.5	75°	87.9	47.9	43.5	49.6	41.8	53.1	44.4	31.3	21.8	20.9
128.8	77.5°	64.4	30.5	26.1	24.4	24.4	33.1	24.4	13.1	9.6	8.7
65.3	80°	45.3	13.9	12.2	10.4	9.6	7.8	3.5	1.7	0.9	0.9
22.6	82.5°	27.0	6.1	6.1	4.4	2.6	0.0	0.0	0.0	0.0	0.0
8.7	85°	6.1	2.6	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
3.5	87.5°	0.9	0.9	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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