

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: P948738

Luminaire Tested: **GALN-SB3C-950-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948738
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-SB3C-950-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 13328 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

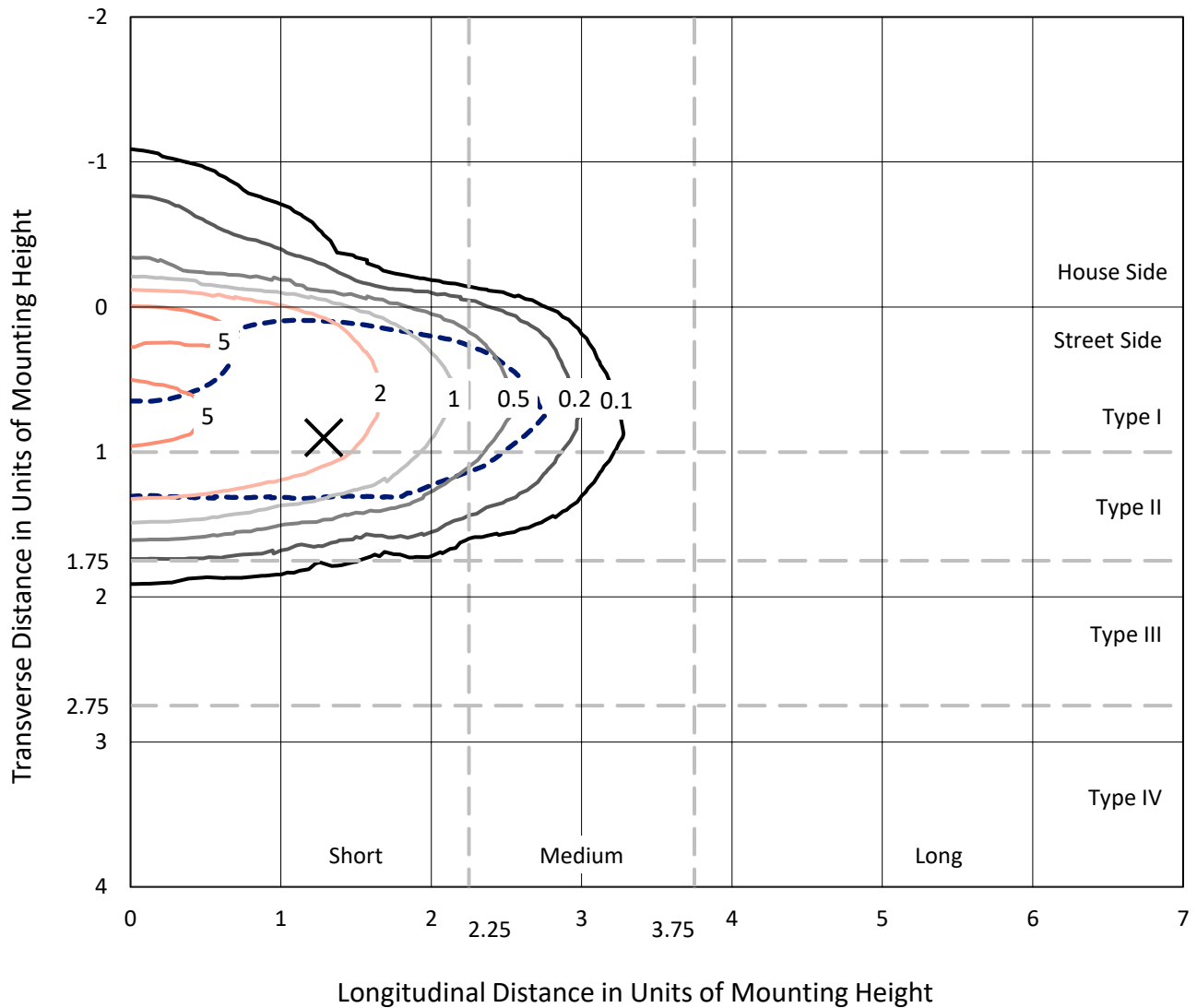
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

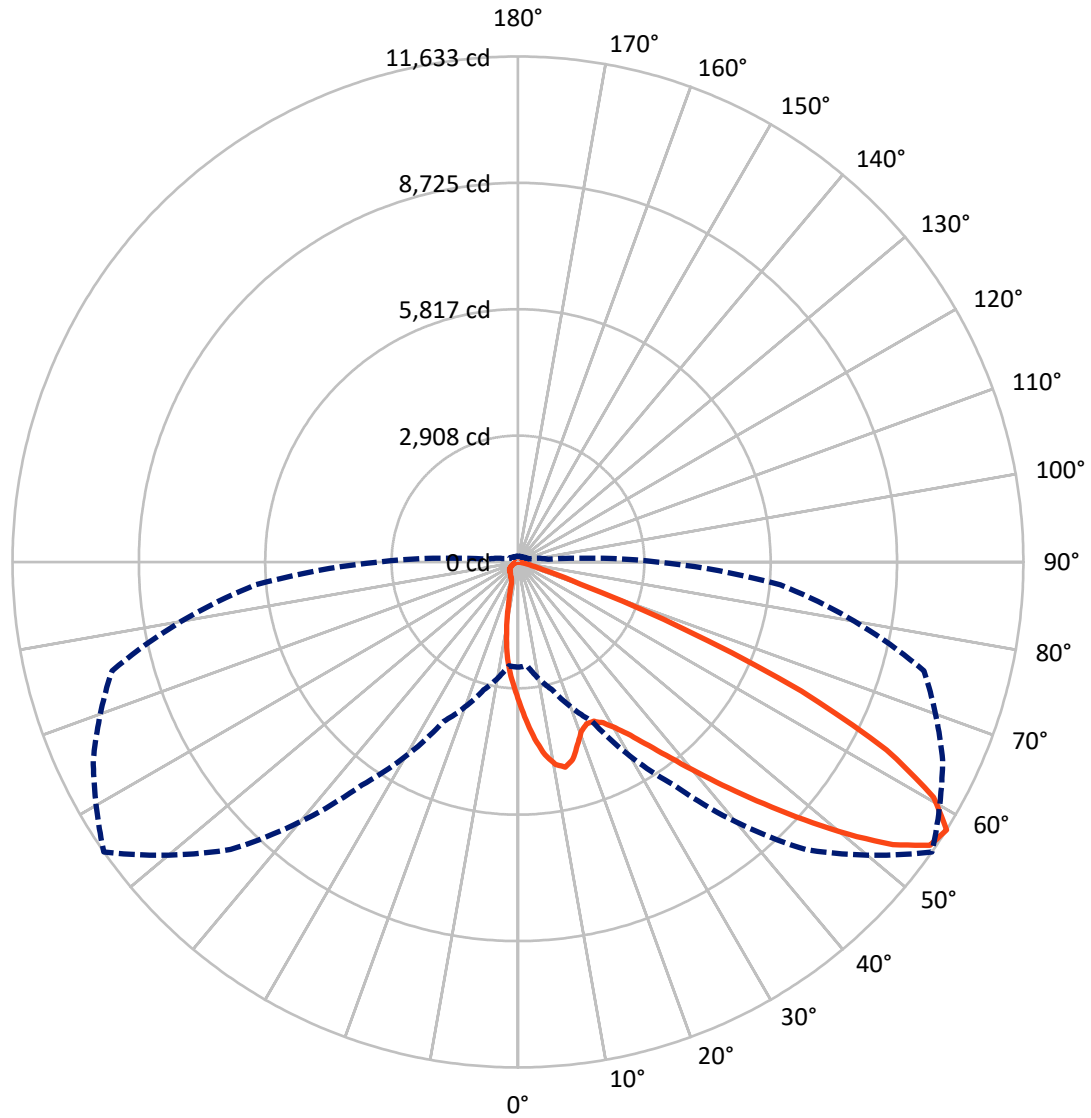
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	1040.9	0.0	1040.9
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	12287.1	0.0	12287.1
	% Fixture	92.2	0.0	92.2
Total	Lumens	13328.0	0.0	13328.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.8	2.2
10°-20°	721.8	5.4
20°-30°	1154.9	8.7
30°-40°	1954.8	14.7
40°-50°	3209.3	24.1
50°-60°	3527.3	26.5
60°-70°	2023.2	15.2
70°-80°	413.4	3.1
80°-90°	24.4	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°	13328.0	100.0
0°-180°	13328.0	100.0

Coefficient of Utilization



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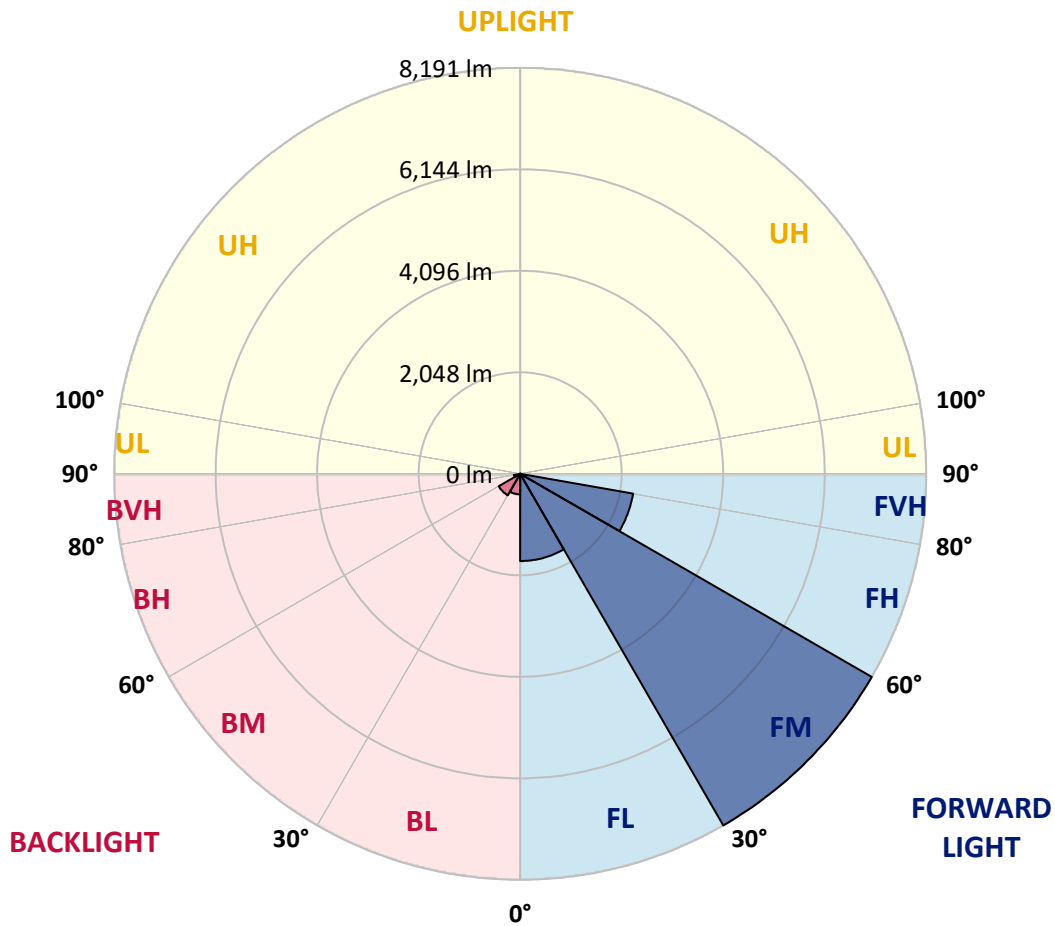
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1760.0	13.2			
FM (30°-60°)	8191.5	61.5			
FH (60°-80°)	2312.9	17.4			G2/5000
FVH (80°-90°)	22.7	0.2			G1/100
BL (0°-30°)	415.5	3.1	B1/500		
BM (30°-60°)	499.9	3.8	B1/1000		
BH (60°-80°)	123.8	0.9	B1/500		G1/500
BVH (80°-90°)	1.6	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°	3211.7	3211.7	3211.7	3211.7	3211.7	3211.7	3211.7	3211.7	3211.7	3211.7
2.5°	3985.1	3934.9	3927.5	3917.7	3822.3	3750.8	3647.3	3533.9	3406.5	3276.6
5°	4603.9	4564.5	4557.1	4511.0	4402.6	4280.9	4096.8	3864.3	3626.7	3347.3
7.5°	4723.9	4716.5	4750.2	4748.5	4733.8	4637.6	4482.3	4205.3	3848.6	3434.4
10°	4188.9	4207.8	4308.0	4396.0	4633.5	4771.6	4737.9	4509.4	4077.1	3533.9
12.5°	3701.5	3679.3	3750.8	3850.3	4126.4	4537.3	4843.9	4763.3	4338.5	3646.5
15°	3395.8	3386.8	3427.0	3473.1	3683.5	4097.7	4720.6	4969.6	4589.9	3779.6
17.5°	3298.0	3290.6	3302.9	3314.4	3450.9	3771.4	4427.2	5096.2	4830.7	3931.6
20°	3377.7	3367.9	3366.2	3357.2	3413.9	3632.5	4161.8	5105.2	5046.9	4069.7
22.5°	3610.3	3598.8	3558.5	3522.4	3527.3	3651.4	4043.4	5014.8	5209.6	4198.7
25°	4031.9	4013.0	3929.2	3807.5	3730.3	3782.9	4061.5	4895.7	5364.9	4299.8
27.5°	4559.5	4534.9	4427.2	4246.4	4069.7	4005.6	4192.2	4813.5	5493.9	4377.1
30°	5076.5	5044.4	4938.4	4797.9	4539.8	4337.6	4428.0	4849.6	5647.6	4457.6
32.5°	5634.5	5604.1	5463.5	5289.3	5075.6	4803.6	4751.0	5026.3	5835.8	4570.2
35°	6340.4	6292.8	6093.1	5855.6	5628.7	5353.4	5188.2	5331.2	6086.5	4742.0
37.5°	7144.2	7080.1	6864.8	6536.9	6241.0	5932.8	5720.8	5750.4	6453.8	4972.1
40°	7901.9	7843.6	7644.7	7335.7	6964.2	6590.3	6364.3	6298.5	6960.9	5252.3
42.5°	8356.4	8303.8	8220.0	8089.3	7776.2	7394.8	7109.7	6967.5	7560.9	5587.6
45°	8381.9	8335.8	8448.4	8600.5	8538.8	8284.9	7937.3	7676.7	8163.3	5902.4
47.5°	7974.2	7943.0	8284.9	8815.8	9080.4	9187.3	8866.7	8326.8	8660.5	6128.4
50°	6863.1	6851.6	7555.1	8529.8	9286.7	9977.9	9847.2	8931.7	9045.9	6245.1
52.5°	5950.9	5909.0	6319.1	7614.3	8986.7	10393.7	10805.4	9525.0	9315.5	6267.3
55°	4513.5	4476.5	4991.0	6082.4	8019.4	10245.8	11506.5	10137.3	9508.6	6210.6
57.5°	2421.1	2398.1	3048.2	4048.3	6268.9	9358.2	11633.0	10784.9	9671.3	6060.2
60°	942.6	938.5	1181.8	1964.2	3810.0	7613.5	10994.5	11173.6	9773.2	5875.3
62.5°	570.4	582.7	622.1	881.8	1683.1	4729.6	9522.6	10731.5	9841.4	5706.0
65°	471.7	472.6	477.5	605.7	806.2	1979.0	7168.8	9276.8	9673.0	5404.4
67.5°	404.3	411.7	430.6	480.8	568.7	867.9	4127.2	7186.1	8648.1	4702.5
70°	318.9	328.7	352.6	395.3	438.9	543.2	1525.3	4781.4	6606.7	3544.6
72.5°	268.7	267.9	280.2	321.3	348.5	382.2	586.8	2679.2	3839.6	1692.2
75°	207.9	216.1	231.8	268.7	285.2	277.0	318.0	978.8	1375.7	512.8
77.5°	162.7	169.3	183.3	219.4	235.9	196.4	183.3	350.1	442.1	184.1
80°	73.1	78.9	124.9	161.9	192.3	135.6	99.4	179.2	196.4	83.8
82.5°	13.1	22.2	73.1	85.5	98.6	87.9	51.8	92.9	96.2	33.7
85°	0.8	1.6	25.5	31.2	39.4	28.8	15.6	37.0	32.1	11.5
87.5°	0.0	0.0	0.0	0.8	0.8	4.1	4.9	6.6	4.9	4.1
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°
3211.7	0°	3211.7	3211.7	3211.7	3211.7	3211.7	3211.7	3211.7	3211.7	3211.7	3211.7
3219.1	2.5°	3159.9	3043.2	2929.8	2837.0	2782.7	2690.7	2629.9	2620.0	2594.5	2616.7
3227.3	5°	3099.1	2890.4	2679.2	2490.2	2334.8	2134.3	1984.7	1921.4	1866.4	1885.3
3248.7	7.5°	3070.4	2740.8	2412.1	2089.1	1757.1	1436.6	1198.2	1098.8	1023.2	1033.9
3272.5	10°	3031.7	2585.5	2070.2	1577.1	1132.5	816.1	651.7	590.9	557.2	558.0
3307.9	12.5°	3002.2	2399.7	1673.2	1069.2	689.5	521.0	470.1	455.3	445.4	446.3
3361.3	15°	2987.4	2181.1	1281.2	712.5	493.1	441.3	429.0	422.4	415.8	415.0
3420.5	17.5°	2962.7	1937.9	937.7	520.2	431.5	413.4	402.7	395.3	387.1	385.4
3471.4	20°	2925.7	1661.7	685.4	439.7	404.3	390.4	375.6	365.7	355.9	354.2
3503.5	22.5°	2857.5	1370.0	526.8	406.8	384.6	369.0	350.9	339.4	329.6	327.9
3487.9	25°	2730.9	1096.3	443.8	386.3	367.4	348.5	328.7	313.1	304.1	302.4
3454.2	27.5°	2570.7	861.3	402.7	367.4	345.2	327.9	305.7	290.9	282.7	281.1
3409.8	30°	2381.7	663.2	378.9	346.0	318.9	304.1	284.4	272.0	267.1	267.1
3378.6	32.5°	2177.9	530.1	369.0	324.6	295.9	279.4	263.8	258.9	257.2	256.4
3395.8	35°	1986.4	460.2	364.1	307.4	275.3	259.7	253.1	253.9	257.2	257.2
3449.2	37.5°	1816.2	438.0	361.6	295.0	257.2	243.3	247.4	254.8	251.5	251.5
3542.9	40°	1662.6	440.5	360.0	286.0	242.4	234.2	242.4	236.7	228.5	227.6
3657.2	42.5°	1545.0	461.0	356.7	278.6	233.4	227.6	224.4	215.3	214.5	216.1
3775.5	45°	1459.6	479.1	355.9	275.3	223.5	212.9	208.7	199.7	216.1	220.3
3824.0	47.5°	1358.5	479.1	355.9	263.8	207.1	203.0	196.4	186.6	203.0	207.1
3778.0	50°	1227.8	448.7	341.9	250.7	194.0	191.5	180.0	167.7	164.4	166.8
3670.3	52.5°	1062.6	393.7	306.5	232.6	180.8	175.9	161.9	152.9	150.4	150.4
3477.2	55°	874.4	329.6	258.9	206.3	166.8	157.8	147.9	143.8	141.4	139.7
3206.8	57.5°	710.9	270.4	207.9	183.3	153.7	142.2	138.9	134.0	129.8	127.4
2980.8	60°	583.5	212.9	171.8	162.7	140.5	129.8	129.0	122.5	111.8	110.1
2794.2	62.5°	450.4	156.1	144.6	141.4	127.4	118.3	116.7	103.6	87.1	83.8
2529.6	65°	318.0	121.6	116.7	124.1	113.4	105.2	101.1	81.4	64.1	61.6
2117.0	67.5°	223.5	101.9	92.0	108.5	98.6	87.9	85.5	69.0	53.4	51.8
1600.9	70°	159.4	83.0	75.6	92.9	78.9	77.3	72.3	57.5	43.6	41.9
792.2	72.5°	112.6	63.3	58.4	80.5	54.2	66.6	59.2	44.4	32.9	31.2
269.6	75°	83.0	45.2	41.1	46.8	39.4	50.1	41.9	29.6	20.5	19.7
121.6	77.5°	60.8	28.8	24.7	23.0	23.0	31.2	23.0	12.3	9.0	8.2
61.6	80°	42.7	13.1	11.5	9.9	9.0	7.4	3.3	1.6	0.8	0.8
21.4	82.5°	25.5	5.8	5.8	4.1	2.5	0.0	0.0	0.0	0.0	0.0
8.2	85°	5.8	2.5	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
3.3	87.5°	0.8	0.8	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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