

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: P948717

Luminaire Tested: **GALN-SB3C-940-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948717
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-940-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 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: 13883 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

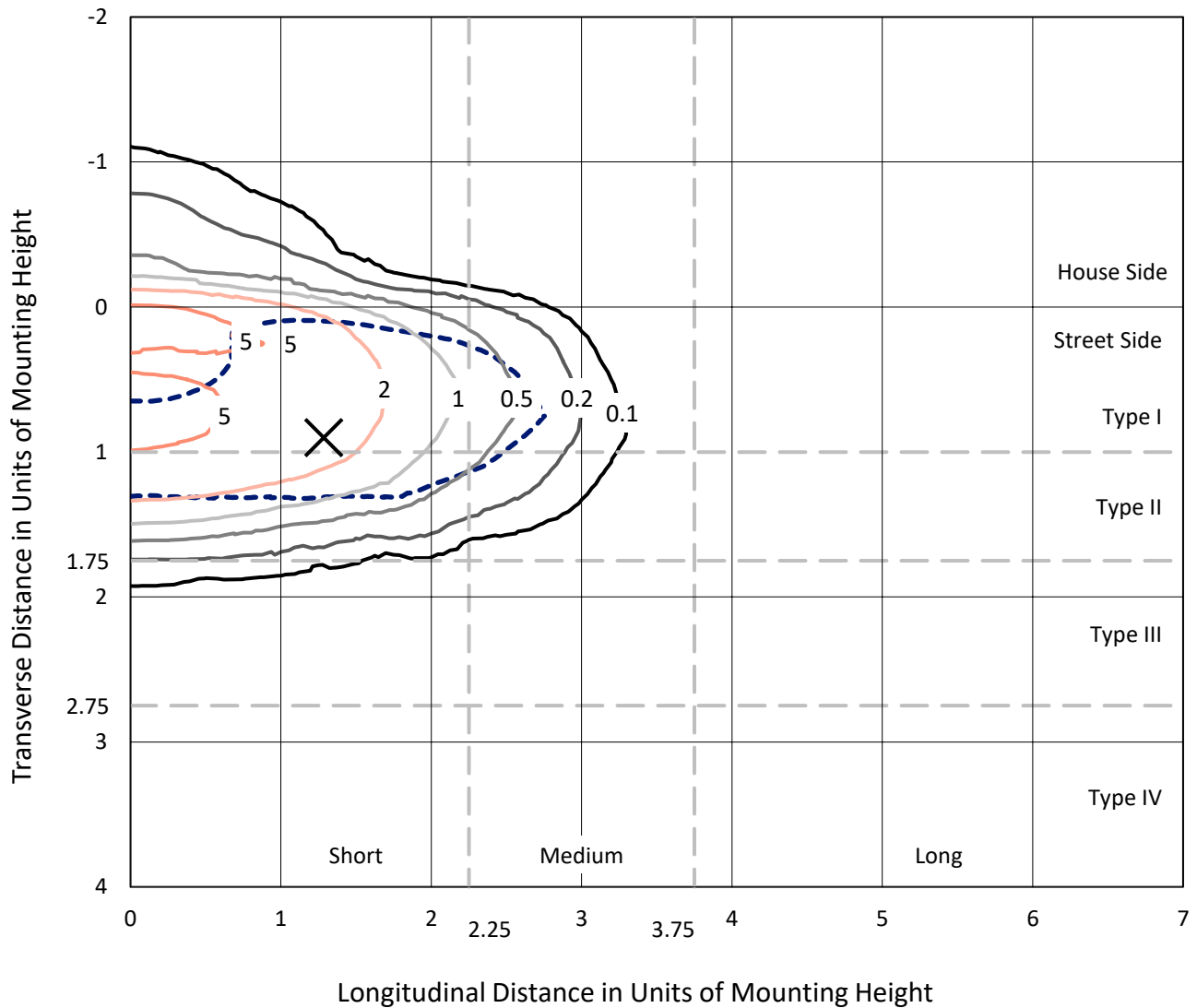
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

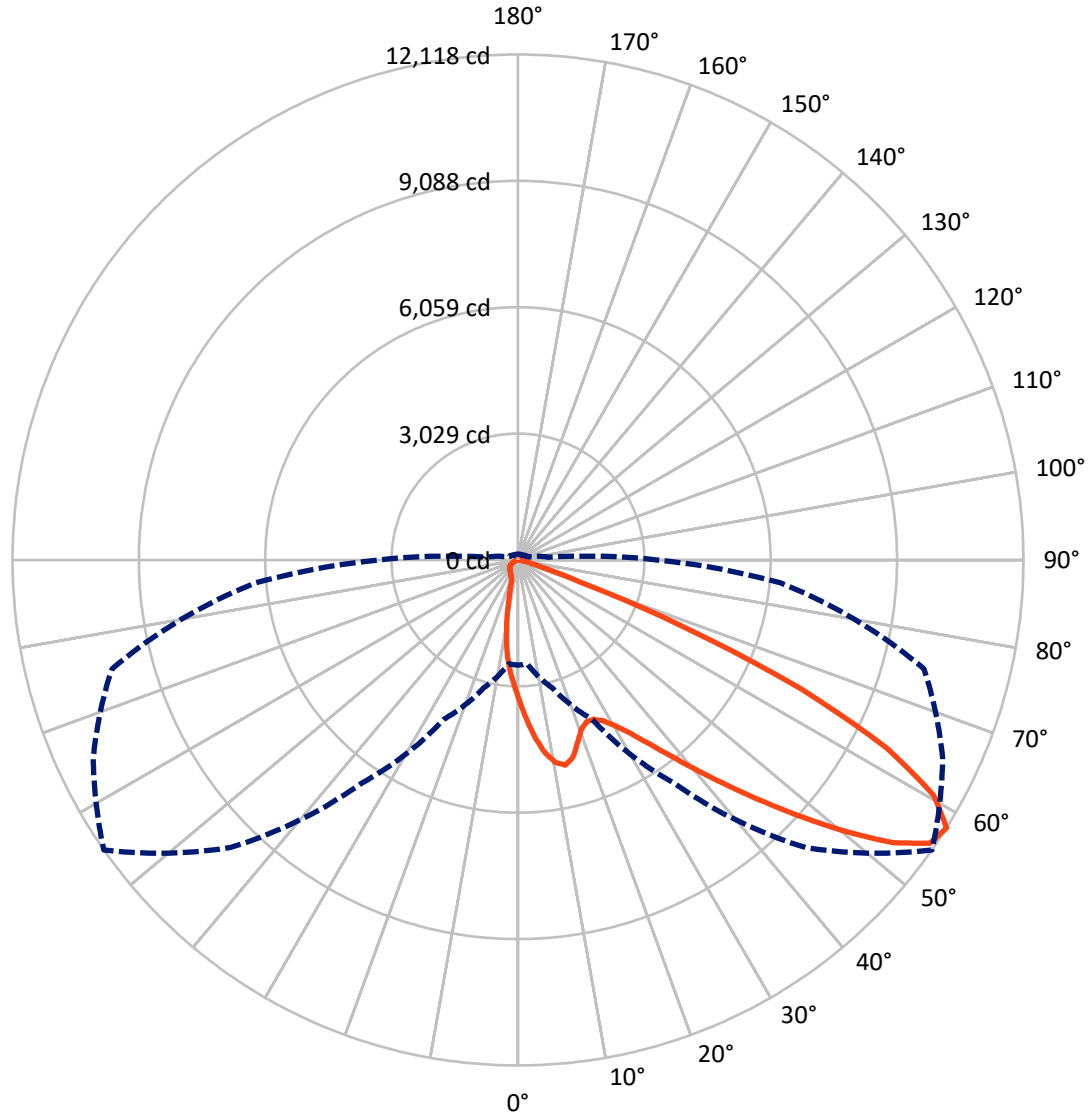
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	1084.2	0.0	1084.2
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	12798.8	0.0	12798.8
	% Fixture	92.2	0.0	92.2
Total	Lumens	13883.0	0.0	13883.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.3	2.2
10°-20°	751.9	5.4
20°-30°	1203.0	8.7
30°-40°	2036.2	14.7
40°-50°	3343.0	24.1
50°-60°	3674.2	26.5
60°-70°	2107.5	15.2
70°-80°	430.6	3.1
80°-90°	25.4	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°	13883.0	100.0
0°-180°	13883.0	100.0

Coefficient of Utilization



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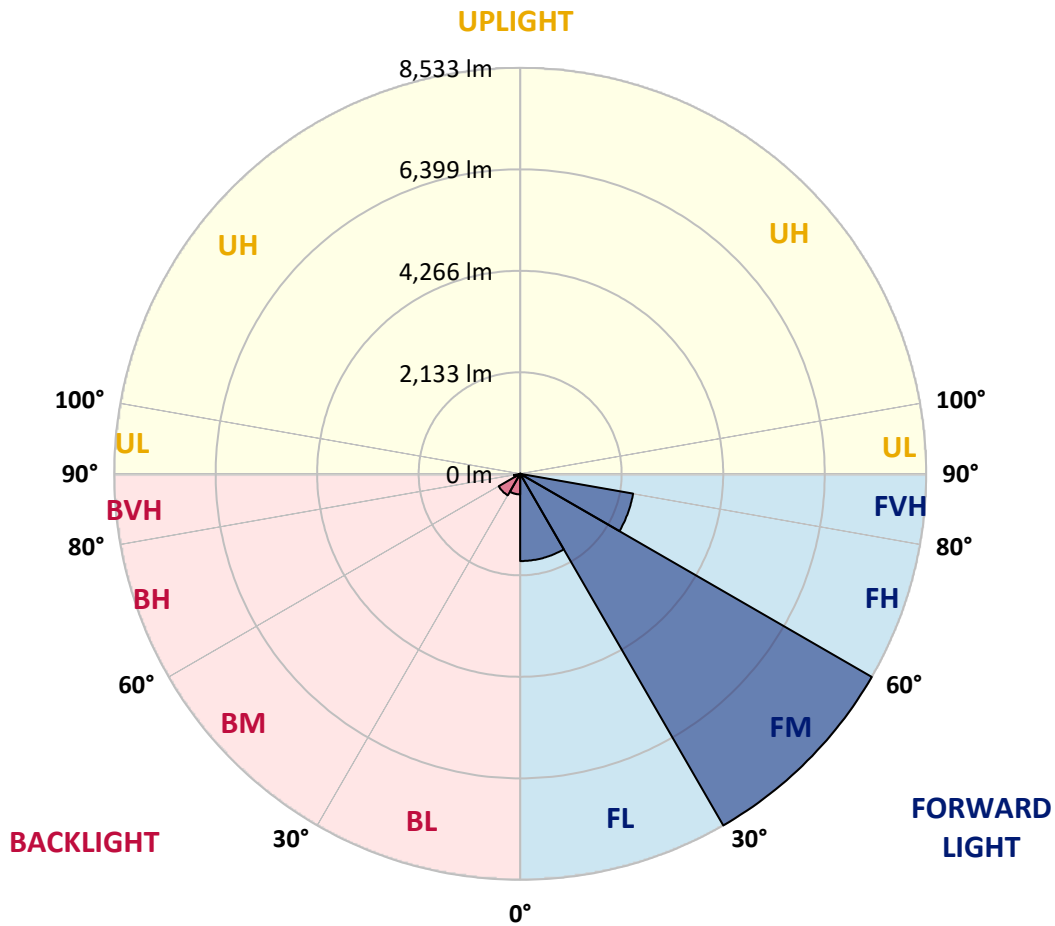
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1833.3	13.2			
FM (30°-60°)	8532.6	61.5			
FH (60°-80°)	2409.2	17.4			G2/5000
FVH (80°-90°)	23.7	0.2			G1/100
BL (0°-30°)	432.8	3.1	B1/500		
BM (30°-60°)	520.7	3.8	B1/1000		
BH (60°-80°)	128.9	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°	3345.5	3345.5	3345.5	3345.5	3345.5	3345.5	3345.5	3345.5	3345.5	3345.5
2.5°	4151.0	4098.8	4091.1	4080.8	3981.5	3907.0	3799.2	3681.0	3548.3	3413.1
5°	4795.6	4754.5	4746.8	4698.9	4585.9	4459.2	4267.4	4025.2	3777.8	3486.7
7.5°	4920.6	4912.9	4948.0	4946.3	4930.9	4830.7	4668.9	4380.4	4008.9	3577.5
10°	4363.3	4383.0	4487.4	4579.0	4826.4	4970.3	4935.2	4697.2	4246.9	3681.0
12.5°	3855.7	3832.6	3907.0	4010.6	4298.2	4726.3	5045.6	4961.7	4519.1	3798.3
15°	3537.2	3527.8	3569.7	3617.7	3836.8	4268.3	4917.2	5176.6	4781.1	3937.0
17.5°	3435.3	3427.6	3440.5	3452.5	3594.6	3928.4	4611.6	5308.4	5031.9	4095.4
20°	3518.4	3508.1	3506.4	3497.0	3556.1	3783.8	4335.1	5317.8	5257.0	4239.2
22.5°	3760.6	3748.7	3706.7	3669.0	3674.2	3803.4	4211.8	5223.6	5426.5	4373.6
25°	4199.8	4180.1	4092.8	3966.1	3885.6	3940.4	4230.6	5099.5	5588.3	4478.9
27.5°	4749.4	4723.7	4611.6	4423.2	4239.2	4172.4	4366.7	5013.9	5722.7	4559.3
30°	5287.8	5254.5	5144.0	4997.6	4728.8	4518.3	4612.4	5051.6	5882.8	4643.2
32.5°	5869.1	5837.4	5691.1	5509.6	5287.0	5003.6	4948.9	5235.6	6078.8	4760.5
35°	6604.5	6554.8	6346.8	6099.4	5863.1	5576.3	5404.3	5553.2	6339.9	4939.4
37.5°	7441.7	7374.9	7150.6	6809.1	6500.9	6179.9	5959.0	5989.8	6722.6	5179.1
40°	8231.0	8170.2	7963.0	7641.1	7254.2	6864.7	6629.3	6560.8	7250.8	5471.0
42.5°	8704.4	8649.6	8562.3	8426.1	8100.0	7702.8	7405.7	7257.6	7875.7	5820.3
45°	8730.9	8683.0	8800.2	8958.6	8894.4	8629.9	8267.8	7996.4	8503.2	6148.2
47.5°	8306.3	8273.8	8629.9	9182.9	9458.5	9569.8	9236.0	8673.5	9021.1	6383.6
50°	7148.9	7136.9	7869.7	8885.0	9673.4	10393.4	10257.2	9303.6	9422.6	6505.2
52.5°	6198.7	6155.0	6582.2	7931.3	9361.0	10826.5	11255.4	9921.7	9703.4	6528.3
55°	4701.5	4662.9	5198.8	6335.7	8353.4	10672.4	11985.6	10559.4	9904.6	6469.2
57.5°	2521.9	2498.0	3175.1	4216.9	6530.0	9747.9	12117.5	11234.0	10074.0	6312.5
60°	981.9	977.6	1231.0	2046.0	3968.7	7930.5	11452.3	11638.9	10180.2	6119.9
62.5°	594.1	606.9	648.0	918.5	1753.2	4926.6	9919.1	11178.4	10251.3	5943.6
65°	491.4	492.2	497.4	630.9	839.8	2061.4	7467.4	9663.1	10075.8	5629.4
67.5°	421.2	428.9	448.6	500.8	592.4	904.0	4299.1	7485.3	9008.3	4898.3
70°	332.1	342.4	367.2	411.8	457.1	565.9	1588.8	4980.5	6881.8	3692.2
72.5°	279.9	279.1	291.9	334.7	363.0	398.1	611.2	2790.7	3999.5	1762.6
75°	216.6	225.1	241.4	279.9	297.1	288.5	331.3	1019.6	1433.0	534.2
77.5°	169.5	176.3	190.9	228.6	245.7	204.6	190.9	364.7	460.6	191.8
80°	76.2	82.2	130.1	168.6	200.3	141.2	103.6	186.6	204.6	87.3
82.5°	13.7	23.1	76.2	89.0	102.7	91.6	53.9	96.7	100.2	35.1
85°	0.9	1.7	26.5	32.5	41.1	30.0	16.3	38.5	33.4	12.0
87.5°	0.0	0.0	0.0	0.9	0.9	4.3	5.1	6.8	5.1	4.3
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°
3345.5	0°	3345.5	3345.5	3345.5	3345.5	3345.5	3345.5	3345.5	3345.5	3345.5	3345.5
3353.2	2.5°	3291.5	3170.0	3051.8	2955.1	2898.6	2802.7	2739.4	2729.1	2702.6	2725.7
3361.7	5°	3228.2	3010.7	2790.7	2593.8	2432.1	2223.2	2067.4	2001.5	1944.1	1963.8
3384.0	7.5°	3198.2	2854.9	2512.5	2176.1	1830.2	1496.4	1248.1	1144.5	1065.8	1076.9
3408.8	10°	3158.0	2693.1	2156.4	1642.8	1179.6	850.1	678.9	615.5	580.4	581.3
3445.6	12.5°	3127.2	2499.7	1742.9	1113.7	718.2	542.7	489.7	474.3	464.0	464.8
3501.3	15°	3111.8	2272.0	1334.6	742.2	513.6	459.7	446.9	440.0	433.2	432.3
3562.9	17.5°	3086.1	2018.6	976.8	541.9	449.4	430.6	419.5	411.8	403.2	401.5
3616.0	20°	3047.6	1730.9	713.9	458.0	421.2	406.6	391.2	380.9	370.7	369.0
3649.4	22.5°	2976.5	1427.0	548.7	423.7	400.6	384.4	365.5	353.6	343.3	341.6
3633.1	25°	2844.7	1142.0	462.3	402.3	382.7	363.0	342.4	326.2	316.7	315.0
3598.0	27.5°	2677.7	897.1	419.5	382.7	359.5	341.6	318.5	303.0	294.5	292.8
3551.8	30°	2480.8	690.8	394.6	360.4	332.1	316.7	296.2	283.4	278.2	278.2
3519.2	32.5°	2268.5	552.2	384.4	338.1	308.2	291.1	274.8	269.7	267.9	267.1
3537.2	35°	2069.1	479.4	379.2	320.2	286.8	270.5	263.7	264.5	267.9	267.9
3592.9	37.5°	1891.9	456.3	376.7	307.3	267.9	253.4	257.7	265.4	262.0	262.0
3690.5	40°	1731.8	458.8	375.0	297.9	252.5	244.0	252.5	246.5	238.0	237.1
3809.4	42.5°	1609.4	480.2	371.5	290.2	243.1	237.1	233.7	224.3	223.4	225.1
3932.7	45°	1520.4	499.1	370.7	286.8	232.8	221.7	217.4	208.0	225.1	229.4
3983.2	47.5°	1415.1	499.1	370.7	274.8	215.7	211.4	204.6	194.3	211.4	215.7
3935.3	50°	1278.9	467.4	356.1	261.1	202.0	199.5	187.5	174.6	171.2	173.8
3823.1	52.5°	1106.9	410.1	319.3	242.3	188.3	183.2	168.6	159.2	156.7	156.7
3622.0	55°	910.8	343.3	269.7	214.9	173.8	164.4	154.1	149.8	147.2	145.5
3340.3	57.5°	740.5	281.6	216.6	190.9	160.1	148.1	144.7	139.5	135.3	132.7
3104.9	60°	607.8	221.7	178.9	169.5	146.4	135.3	134.4	127.6	116.4	114.7
2910.6	62.5°	469.1	162.7	150.7	147.2	132.7	123.3	121.6	107.9	90.7	87.3
2634.9	65°	331.3	126.7	121.6	129.3	118.1	109.6	105.3	84.7	66.8	64.2
2205.2	67.5°	232.8	106.2	95.9	113.0	102.7	91.6	89.0	71.9	55.6	53.9
1667.6	70°	166.1	86.5	78.8	96.7	82.2	80.5	75.3	59.9	45.4	43.7
825.2	72.5°	117.3	65.9	60.8	83.9	56.5	69.3	61.6	46.2	34.2	32.5
280.8	75°	86.5	47.1	42.8	48.8	41.1	52.2	43.7	30.8	21.4	20.5
126.7	77.5°	63.3	30.0	25.7	24.0	24.0	32.5	24.0	12.8	9.4	8.6
64.2	80°	44.5	13.7	12.0	10.3	9.4	7.7	3.4	1.7	0.9	0.9
22.3	82.5°	26.5	6.0	6.0	4.3	2.6	0.0	0.0	0.0	0.0	0.0
8.6	85°	6.0	2.6	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
3.4	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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