

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: P948360

Luminaire Tested: **GALN-SB3B-940-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948360
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-SB3B-940-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 450mA 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: 10439 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

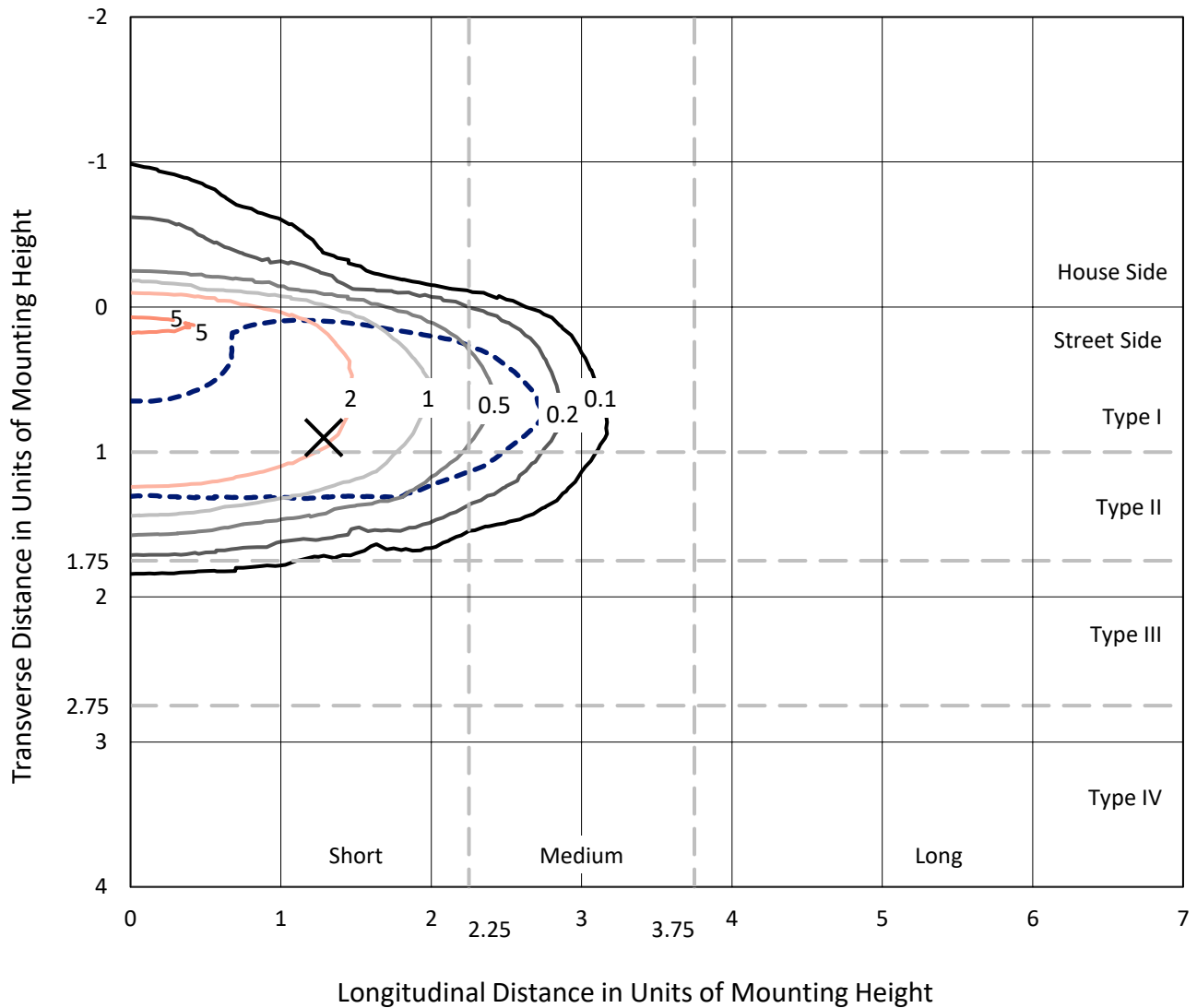
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

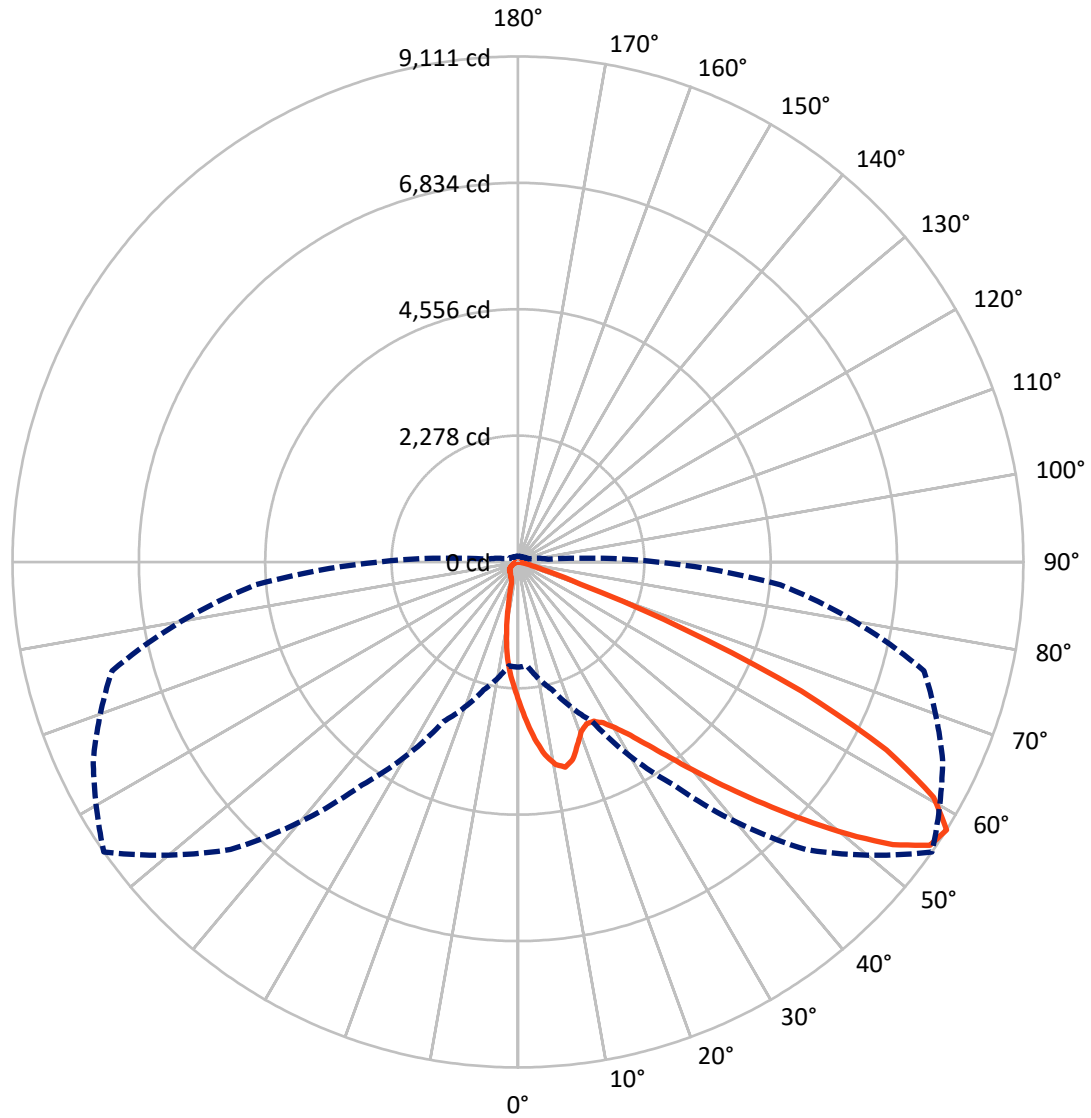
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	815.2	0.0	815.2
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	9623.7	0.0	9623.7
	% Fixture	92.2	0.0	92.2
Total	Lumens	10439.0	0.0	10439.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.1	2.2
10°-20°	565.4	5.4
20°-30°	904.6	8.7
30°-40°	1531.1	14.7
40°-50°	2513.7	24.1
50°-60°	2762.7	26.5
60°-70°	1584.7	15.2
70°-80°	323.8	3.1
80°-90°	19.1	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°	10439.0	100.0
0°-180°	10439.0	100.0

Coefficient of Utilization



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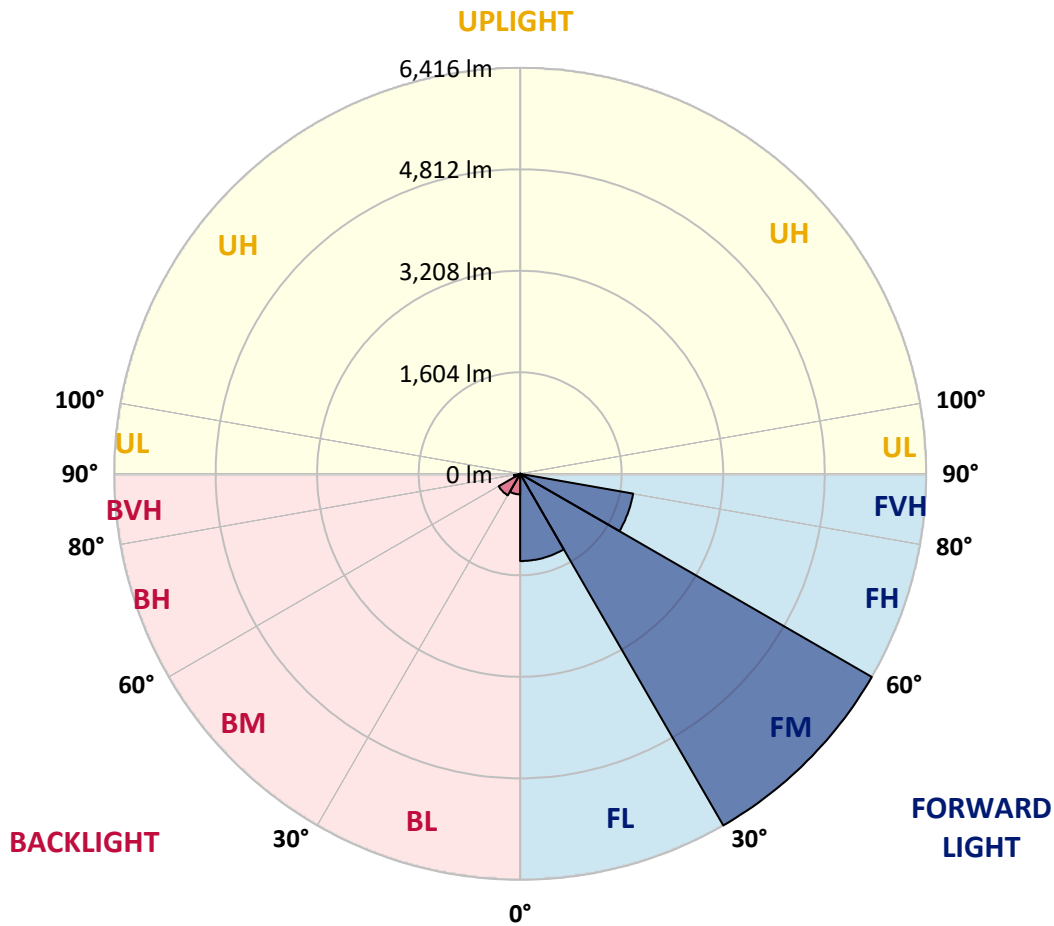
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1378.5	13.2			
FM (30°-60°)	6415.9	61.5			
FH (60°-80°)	1811.5	17.4			G2/5000
FVH (80°-90°)	17.8	0.2			G1/100
BL (0°-30°)	325.5	3.1	B1/500		
BM (30°-60°)	391.5	3.8	B1/1000		
BH (60°-80°)	97.0	0.9	B0/110		G0/110
BVH (80°-90°)	1.3	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°	2515.5	2515.5	2515.5	2515.5	2515.5	2515.5	2515.5	2515.5	2515.5	2515.5
2.5°	3121.3	3082.0	3076.2	3068.5	2993.8	2937.8	2856.7	2767.9	2668.1	2566.4
5°	3606.0	3575.1	3569.3	3533.2	3448.2	3353.0	3208.8	3026.6	2840.6	2621.8
7.5°	3699.9	3694.1	3720.5	3719.2	3707.7	3632.3	3510.7	3293.8	3014.4	2690.0
10°	3280.9	3295.7	3374.2	3443.1	3629.1	3737.3	3710.9	3531.9	3193.3	2767.9
12.5°	2899.2	2881.8	2937.8	3015.7	3232.0	3553.8	3793.9	3730.8	3398.0	2856.1
15°	2659.7	2652.6	2684.2	2720.2	2885.0	3209.4	3697.4	3892.4	3595.0	2960.3
17.5°	2583.1	2577.3	2587.0	2596.0	2702.9	2953.9	3467.6	3991.5	3783.6	3079.4
20°	2645.6	2637.8	2636.6	2629.5	2673.9	2845.1	3259.6	3998.6	3952.9	3187.6
22.5°	2827.7	2818.7	2787.2	2758.9	2762.7	2859.9	3167.0	3927.8	4080.4	3288.6
25°	3157.9	3143.1	3077.5	2982.2	2921.7	2962.9	3181.1	3834.5	4202.0	3367.8
27.5°	3571.2	3551.9	3467.6	3325.9	3187.6	3137.3	3283.5	3770.1	4303.1	3428.3
30°	3976.1	3951.0	3867.9	3757.9	3555.7	3397.4	3468.2	3798.4	4423.4	3491.4
32.5°	4413.1	4389.3	4279.3	4142.8	3975.4	3762.4	3721.2	3936.8	4570.8	3579.6
35°	4966.1	4928.7	4772.3	4586.3	4408.6	4193.0	4063.6	4175.6	4767.2	3714.1
37.5°	5595.6	5545.4	5376.7	5119.9	4888.2	4646.8	4480.7	4503.9	5054.9	3894.3
40°	6189.1	6143.4	5987.6	5745.6	5454.6	5161.8	4984.7	4933.2	5452.1	4113.8
42.5°	6545.0	6503.8	6438.2	6335.8	6090.6	5791.9	5568.6	5457.2	5922.0	4376.5
45°	6565.0	6529.0	6617.1	6736.2	6687.9	6489.0	6216.8	6012.7	6393.8	4623.0
47.5°	6245.7	6221.3	6489.0	6904.9	7112.1	7195.8	6944.8	6521.9	6783.2	4800.0
50°	5375.5	5366.4	5917.4	6680.9	7273.7	7815.0	7712.7	6995.6	7085.1	4891.4
52.5°	4661.0	4628.1	4949.3	5963.8	7038.8	8140.8	8463.2	7460.4	7296.2	4908.8
55°	3535.1	3506.2	3909.1	4764.0	6281.1	8024.9	9012.3	7939.9	7447.5	4864.4
57.5°	1896.3	1878.3	2387.4	3170.8	4910.1	7329.7	9111.4	8447.1	7574.9	4746.6
60°	738.3	735.1	925.6	1538.4	2984.1	5963.1	8611.3	8751.6	7654.8	4601.7
62.5°	446.7	456.4	487.3	690.7	1318.3	3704.4	7458.4	8405.3	7708.2	4469.1
65°	369.5	370.1	374.0	474.4	631.5	1550.0	5614.9	7266.0	7576.2	4232.9
67.5°	316.7	322.5	337.3	376.6	445.4	679.7	3232.6	5628.4	6773.6	3683.2
70°	249.8	257.5	276.1	309.6	343.7	425.5	1194.7	3745.0	5174.6	2776.2
72.5°	210.5	209.8	219.5	251.7	272.9	299.3	459.6	2098.4	3007.3	1325.4
75°	162.9	169.3	181.5	210.5	223.4	216.9	249.1	766.6	1077.5	401.7
77.5°	127.5	132.6	143.5	171.9	184.7	153.8	143.5	274.2	346.3	144.2
80°	57.3	61.8	97.8	126.8	150.6	106.2	77.9	140.3	153.8	65.7
82.5°	10.3	17.4	57.3	66.9	77.2	68.9	40.6	72.7	75.3	26.4
85°	0.6	1.3	20.0	24.5	30.9	22.5	12.2	29.0	25.1	9.0
87.5°	0.0	0.0	0.0	0.6	0.6	3.2	3.9	5.1	3.9	3.2
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°
2515.5	0°	2515.5	2515.5	2515.5	2515.5	2515.5	2515.5	2515.5	2515.5	2515.5	2515.5
2521.3	2.5°	2475.0	2383.6	2294.8	2222.0	2179.5	2107.4	2059.8	2052.1	2032.1	2049.5
2527.8	5°	2427.4	2263.9	2098.4	1950.4	1828.7	1671.7	1554.5	1504.9	1461.8	1476.6
2544.5	7.5°	2404.8	2146.7	1889.2	1636.3	1376.2	1125.2	938.5	860.6	801.4	809.8
2563.2	10°	2374.6	2025.0	1621.5	1235.2	887.0	639.2	510.4	462.8	436.4	437.1
2590.9	12.5°	2351.4	1879.6	1310.6	837.4	540.1	408.1	368.2	356.6	348.9	349.5
2632.7	15°	2339.8	1708.4	1003.5	558.1	386.2	345.7	336.0	330.9	325.7	325.1
2679.0	17.5°	2320.5	1517.8	734.5	407.5	337.9	323.8	315.4	309.6	303.2	301.9
2718.9	20°	2291.5	1301.5	536.8	344.4	316.7	305.8	294.2	286.4	278.7	277.4
2744.1	22.5°	2238.1	1073.0	412.6	318.6	301.2	289.0	274.9	265.8	258.1	256.8
2731.8	25°	2139.0	858.7	347.6	302.5	287.7	272.9	257.5	245.2	238.2	236.9
2705.4	27.5°	2013.5	674.6	315.4	287.7	270.3	256.8	239.5	227.9	221.4	220.1
2670.7	30°	1865.4	519.5	296.7	271.0	249.8	238.2	222.7	213.1	209.2	209.2
2646.2	32.5°	1705.8	415.2	289.0	254.3	231.7	218.9	206.6	202.8	201.5	200.8
2659.7	35°	1555.8	360.5	285.2	240.7	215.6	203.4	198.3	198.9	201.5	201.5
2701.6	37.5°	1422.6	343.1	283.2	231.1	201.5	190.5	193.8	199.5	197.0	197.0
2774.9	40°	1302.2	345.0	281.9	224.0	189.9	183.5	189.9	185.4	178.9	178.3
2864.4	42.5°	1210.1	361.1	279.4	218.2	182.8	178.3	175.7	168.6	168.0	169.3
2957.1	45°	1143.2	375.3	278.7	215.6	175.1	166.7	163.5	156.4	169.3	172.5
2995.1	47.5°	1064.0	375.3	278.7	206.6	162.2	159.0	153.8	146.1	159.0	162.2
2959.0	50°	961.7	351.5	267.8	196.3	151.9	150.0	141.0	131.3	128.7	130.7
2874.7	52.5°	832.3	308.3	240.1	182.2	141.6	137.7	126.8	119.7	117.8	117.8
2723.5	55°	684.9	258.1	202.8	161.6	130.7	123.6	115.9	112.6	110.7	109.4
2511.7	57.5°	556.8	211.8	162.9	143.5	120.4	111.4	108.8	104.9	101.7	99.8
2334.7	60°	457.0	166.7	134.5	127.5	110.1	101.7	101.1	95.9	87.5	86.3
2188.5	62.5°	352.7	122.3	113.3	110.7	99.8	92.7	91.4	81.1	68.2	65.7
1981.3	65°	249.1	95.3	91.4	97.2	88.8	82.4	79.2	63.7	50.2	48.3
1658.1	67.5°	175.1	79.8	72.1	85.0	77.2	68.9	66.9	54.1	41.8	40.6
1253.9	70°	124.9	65.0	59.2	72.7	61.8	60.5	56.6	45.1	34.1	32.8
620.5	72.5°	88.2	49.6	45.7	63.1	42.5	52.1	46.3	34.8	25.7	24.5
211.1	75°	65.0	35.4	32.2	36.7	30.9	39.3	32.8	23.2	16.1	15.4
95.3	77.5°	47.6	22.5	19.3	18.0	18.0	24.5	18.0	9.7	7.1	6.4
48.3	80°	33.5	10.3	9.0	7.7	7.1	5.8	2.6	1.3	0.6	0.6
16.7	82.5°	20.0	4.5	4.5	3.2	1.9	0.0	0.0	0.0	0.0	0.0
6.4	85°	4.5	1.9	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
2.6	87.5°	0.6	0.6	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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