

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: P948486

Luminaire Tested: **GALN-SB3C-740-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948486
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-740-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 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: 20269 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

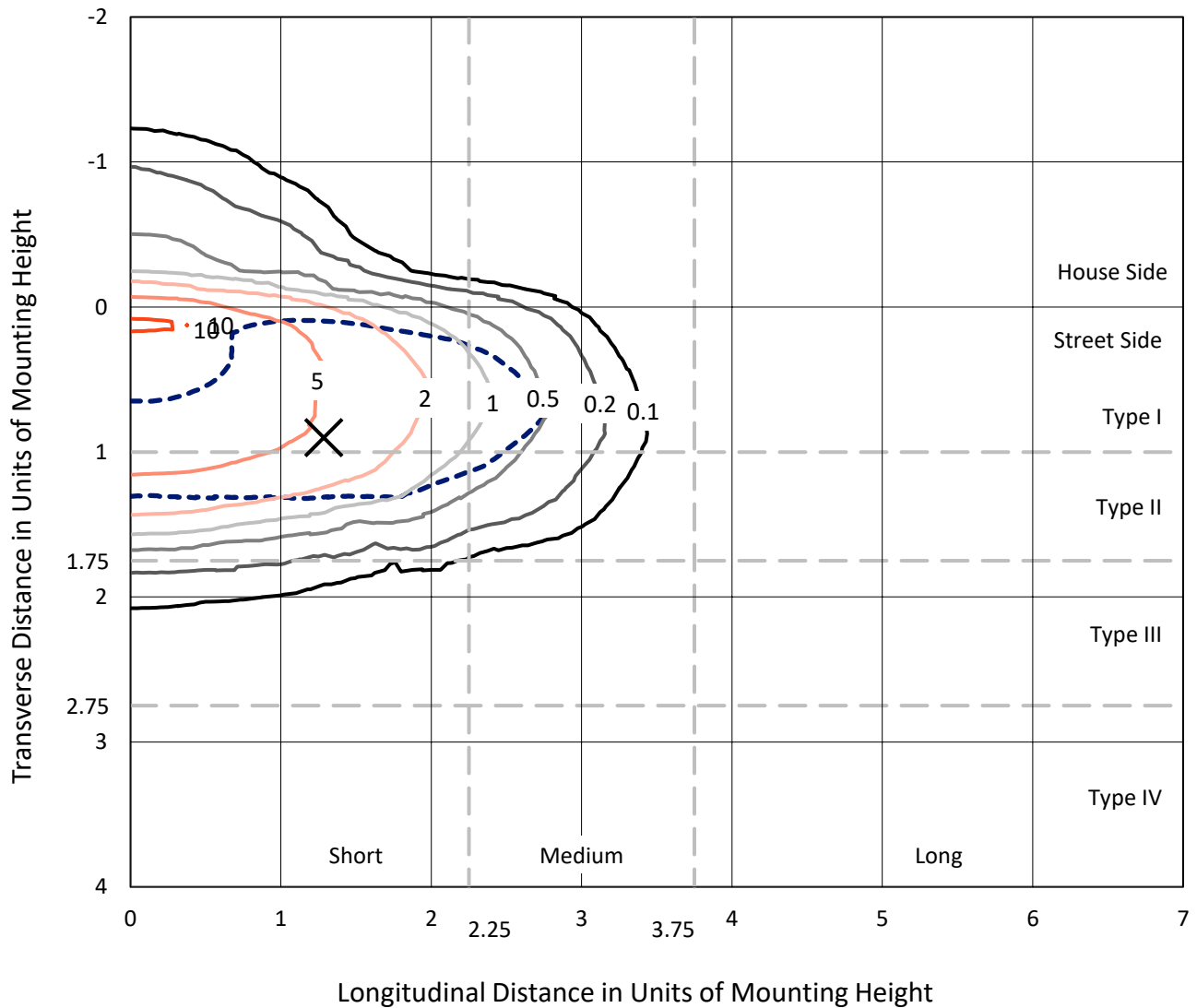
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

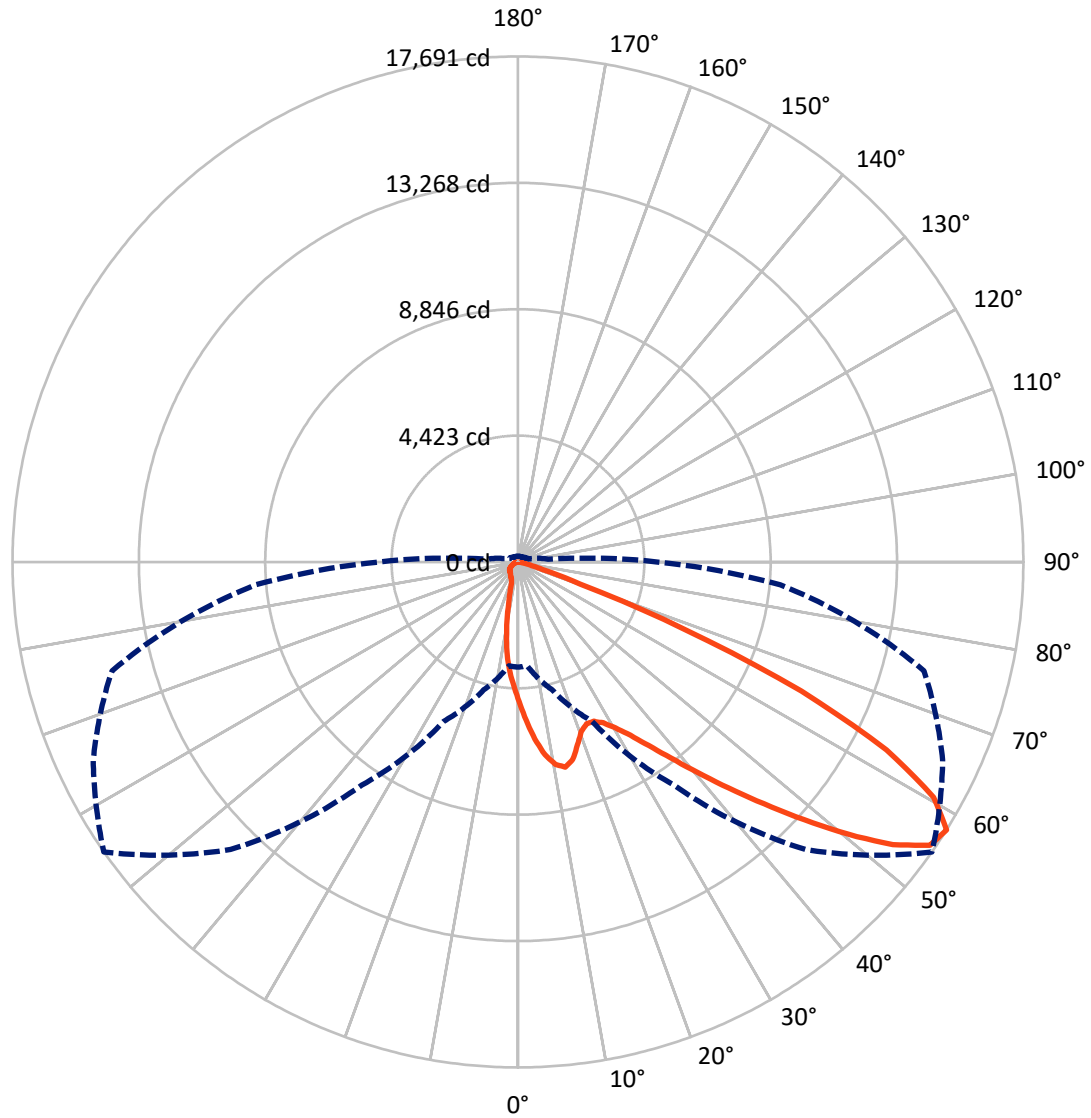
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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	1582.9	0.0	1582.9
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	18686.1	0.0	18686.1
	% Fixture	92.2	0.0	92.2
Total	Lumens	20269.0	0.0	20269.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.5	2.2
10°-20°	1097.8	5.4
20°-30°	1756.4	8.7
30°-40°	2972.8	14.7
40°-50°	4880.7	24.1
50°-60°	5364.2	26.5
60°-70°	3076.9	15.2
70°-80°	628.7	3.1
80°-90°	37.1	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°	20269.0	100.0
0°-180°	20269.0	100.0

Coefficient of Utilization



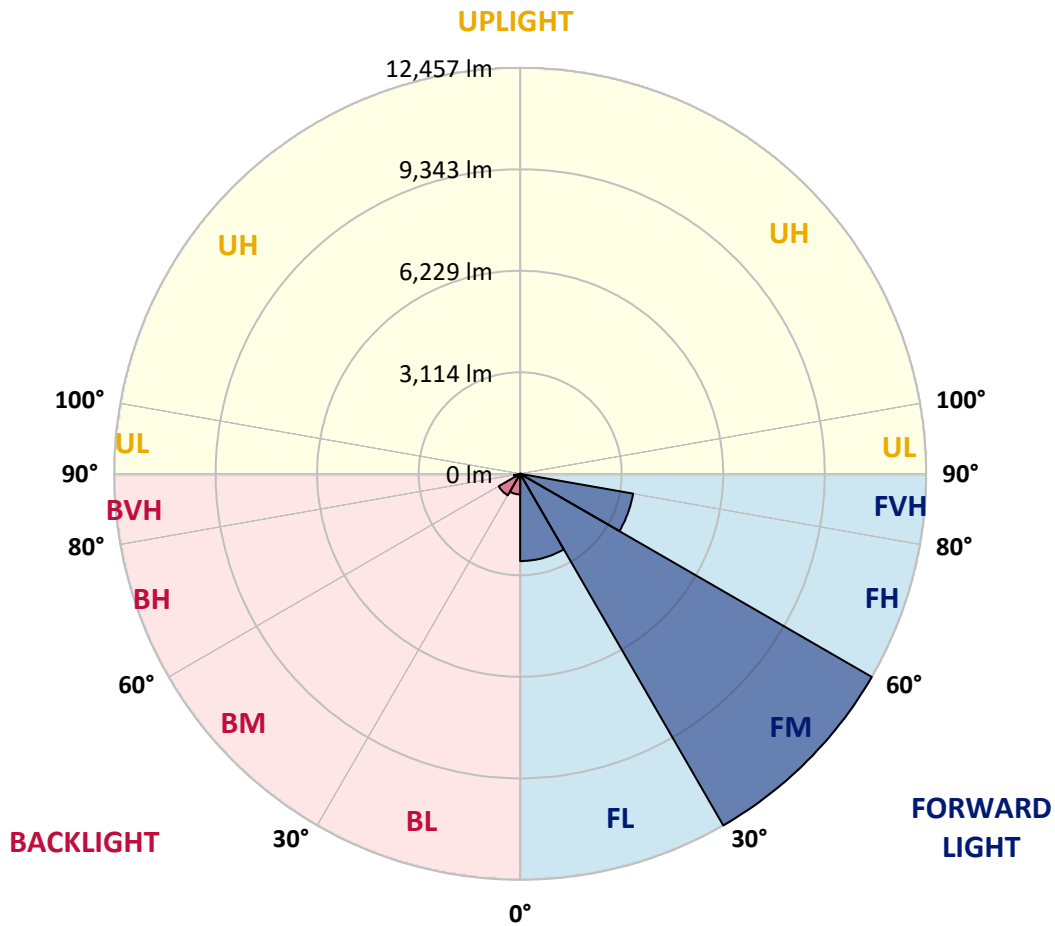
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2676.6	13.2			
FM (30°-60°)	12457.5	61.5			
FH (60°-80°)	3517.4	17.4			G2/5000
FVH (80°-90°)	34.6	0.2			G1/100
BL (0°-30°)	631.9	3.1	B2/1000		
BM (30°-60°)	760.2	3.8	B1/1000		
BH (60°-80°)	188.3	0.9	B1/500		G1/500
BVH (80°-90°)	2.5	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°	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3
2.5°	6060.4	5984.2	5972.9	5957.9	5813.0	5704.2	5546.7	5374.3	5180.5	4983.1
5°	7001.5	6941.5	6930.3	6860.3	6695.3	6510.4	6230.4	5876.7	5515.5	5090.6
7.5°	7184.0	7172.8	7224.0	7221.5	7199.0	7052.8	6816.6	6395.4	5852.9	5223.0
10°	6370.4	6399.1	6551.6	6685.3	7046.5	7256.5	7205.3	6857.8	6200.4	5374.3
12.5°	5629.2	5595.5	5704.2	5855.4	6275.4	6900.3	7366.5	7244.0	6597.8	5545.5
15°	5164.3	5150.5	5211.8	5281.8	5601.7	6231.6	7179.0	7557.7	6980.3	5748.0
17.5°	5015.6	5004.3	5023.1	5040.6	5248.0	5735.5	6732.8	7750.2	7346.5	5979.2
20°	5136.8	5121.8	5119.3	5105.5	5191.8	5524.2	6329.1	7763.9	7675.2	6189.2
22.5°	5490.5	5473.0	5411.8	5356.8	5364.3	5553.0	6149.2	7626.5	7922.7	6385.4
25°	6131.7	6102.9	5975.4	5790.5	5673.0	5753.0	6176.7	7445.2	8158.9	6539.1
27.5°	6934.0	6896.6	6732.8	6457.9	6189.2	6091.7	6375.4	7320.2	8355.1	6656.6
30°	7720.2	7671.4	7510.2	7296.5	6904.1	6596.6	6734.1	7375.2	8588.8	6779.1
32.5°	8568.8	8522.6	8308.9	8043.9	7718.9	7305.2	7225.3	7644.0	8875.0	6950.3
35°	9642.4	9569.9	9266.2	8905.0	8560.1	8141.4	7890.2	8107.6	9256.2	7211.5
37.5°	10864.8	10767.3	10439.8	9941.1	9491.2	9022.5	8700.1	8745.0	9814.9	7561.5
40°	12017.1	11928.4	11625.9	11156.0	10591.0	10022.4	9678.7	9578.7	10586.0	7987.7
42.5°	12708.3	12628.3	12500.8	12302.1	11825.9	11246.0	10812.3	10596.0	11498.4	8497.6
45°	12747.0	12677.0	12848.2	13079.5	12985.7	12599.5	12070.8	11674.6	12414.5	8976.3
47.5°	12127.1	12079.6	12599.5	13406.9	13809.4	13971.8	13484.4	12663.3	13170.7	9320.0
50°	10437.3	10419.8	11489.7	12972.0	14123.1	15174.2	14975.4	13583.1	13756.9	9497.4
52.5°	9050.0	8986.3	9609.9	11579.7	13666.9	15806.6	16432.7	14485.5	14166.8	9531.2
55°	6864.1	6807.8	7590.2	9250.0	12195.8	15581.6	17498.8	15416.6	14460.5	9445.0
57.5°	3682.0	3647.0	4635.6	6156.7	9533.7	14231.8	17691.3	16401.5	14708.0	9216.2
60°	1433.6	1427.3	1797.3	2987.1	5794.2	11578.4	16720.2	16992.7	14863.0	8935.0
62.5°	867.4	886.1	946.1	1341.1	2559.6	7192.8	14481.8	16320.3	14966.7	8677.6
65°	717.4	718.7	726.2	921.1	1226.1	3009.6	10902.3	14108.1	14710.5	8218.9
67.5°	614.9	626.2	654.9	731.1	864.9	1319.8	6276.6	10928.5	13151.9	7151.5
70°	484.9	499.9	536.2	601.2	667.4	826.1	2319.7	7271.5	10047.4	5390.5
72.5°	408.7	407.4	426.2	488.7	529.9	581.2	892.4	4074.4	5839.2	2573.4
75°	316.2	328.7	352.5	408.7	433.7	421.2	483.7	1488.5	2092.2	779.9
77.5°	247.5	257.5	278.7	333.7	358.7	298.7	278.7	532.4	672.4	280.0
80°	111.2	120.0	190.0	246.2	292.5	206.2	151.2	272.5	298.7	127.5
82.5°	20.0	33.7	111.2	130.0	150.0	133.7	78.7	141.2	146.2	51.2
85°	1.2	2.5	38.7	47.5	60.0	43.7	23.7	56.2	48.7	17.5
87.5°	0.0	0.0	0.0	1.2	1.2	6.2	7.5	10.0	7.5	6.2
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°
4884.3	0°	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3	4884.3
4895.6	2.5°	4805.6	4628.1	4455.6	4314.4	4231.9	4091.9	3999.5	3984.5	3945.7	3979.5
4908.1	5°	4713.1	4395.6	4074.4	3787.0	3550.8	3245.8	3018.3	2922.1	2838.4	2867.1
4940.6	7.5°	4669.4	4168.2	3668.2	3177.1	2672.1	2184.7	1822.2	1671.0	1556.0	1572.3
4976.8	10°	4610.6	3932.0	3148.3	2398.4	1722.3	1241.1	991.1	898.6	847.4	848.6
5030.6	12.5°	4565.6	3649.5	2544.7	1626.0	1048.6	792.4	714.9	692.4	677.4	678.7
5111.8	15°	4543.1	3317.0	1948.5	1083.6	749.9	671.2	652.4	642.4	632.4	631.2
5201.8	17.5°	4505.6	2947.1	1426.1	791.1	656.2	628.7	612.4	601.2	588.7	586.2
5279.3	20°	4449.4	2527.2	1042.4	668.7	614.9	593.7	571.2	556.2	541.2	538.7
5328.0	22.5°	4345.7	2083.5	801.1	618.7	584.9	561.2	533.7	516.2	501.2	498.7
5304.3	25°	4153.2	1667.3	674.9	587.4	558.7	529.9	499.9	476.2	462.4	459.9
5253.0	27.5°	3909.5	1309.8	612.4	558.7	524.9	498.7	464.9	442.4	429.9	427.4
5185.5	30°	3622.0	1008.6	576.2	526.2	484.9	462.4	432.4	413.7	406.2	406.2
5138.0	32.5°	3312.0	806.1	561.2	493.7	449.9	424.9	401.2	393.7	391.2	389.9
5164.3	35°	3020.8	699.9	553.7	467.4	418.7	394.9	384.9	386.2	391.2	391.2
5245.5	37.5°	2762.1	666.2	549.9	448.7	391.2	369.9	376.2	387.4	382.4	382.4
5388.0	40°	2528.4	669.9	547.4	434.9	368.7	356.2	368.7	360.0	347.5	346.2
5561.7	42.5°	2349.7	701.2	542.4	423.7	355.0	346.2	341.2	327.5	326.2	328.7
5741.7	45°	2219.7	728.6	541.2	418.7	340.0	323.7	317.5	303.7	328.7	335.0
5815.5	47.5°	2066.0	728.6	541.2	401.2	315.0	308.7	298.7	283.7	308.7	315.0
5745.5	50°	1867.2	682.4	519.9	381.2	295.0	291.2	273.7	255.0	250.0	253.7
5581.7	52.5°	1616.0	598.7	466.2	353.7	275.0	267.5	246.2	232.5	228.7	228.7
5288.0	55°	1329.8	501.2	393.7	313.7	253.7	240.0	225.0	218.7	215.0	212.5
4876.8	57.5°	1081.1	411.2	316.2	278.7	233.7	216.2	211.2	203.7	197.5	193.7
4533.1	60°	887.4	323.7	261.2	247.5	213.7	197.5	196.2	186.2	170.0	167.5
4249.4	62.5°	684.9	237.5	220.0	215.0	193.7	180.0	177.5	157.5	132.5	127.5
3847.0	65°	483.7	185.0	177.5	188.7	172.5	160.0	153.7	123.7	97.5	93.7
3219.6	67.5°	340.0	155.0	140.0	165.0	150.0	133.7	130.0	105.0	81.2	78.7
2434.7	70°	242.5	126.2	115.0	141.2	120.0	117.5	110.0	87.5	66.2	63.7
1204.8	72.5°	171.2	96.2	88.7	122.5	82.5	101.2	90.0	67.5	50.0	47.5
409.9	75°	126.2	68.7	62.5	71.2	60.0	76.2	63.7	45.0	31.2	30.0
185.0	77.5°	92.5	43.7	37.5	35.0	35.0	47.5	35.0	18.7	13.7	12.5
93.7	80°	65.0	20.0	17.5	15.0	13.7	11.2	5.0	2.5	1.2	1.2
32.5	82.5°	38.7	8.7	8.7	6.2	3.7	0.0	0.0	0.0	0.0	0.0
12.5	85°	8.7	3.7	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
5.0	87.5°	1.2	1.2	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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