

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1446470

Luminaire Tested: P3ART17R709730DE010 E3CLDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART17R709730DE010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

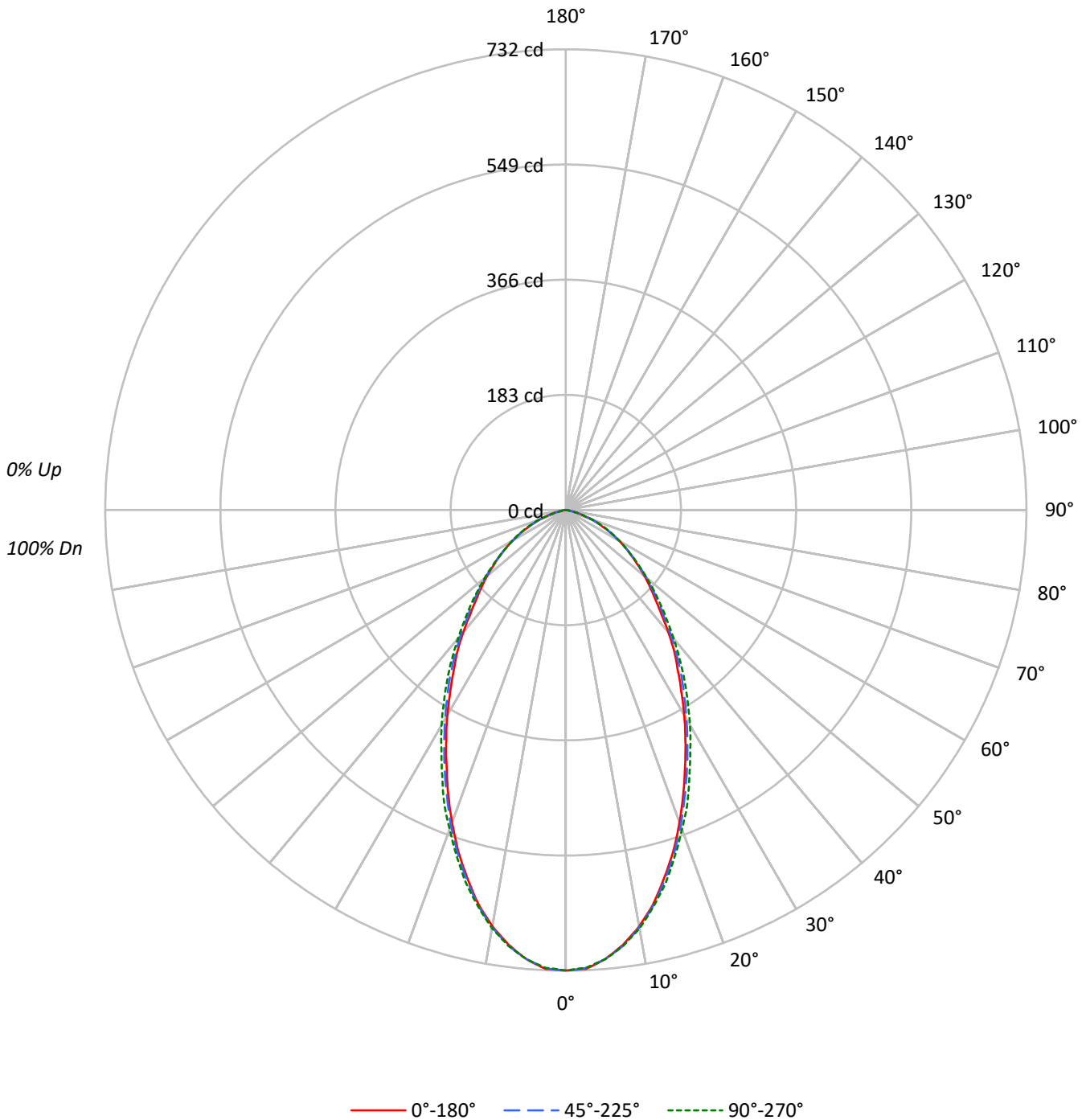
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1019.0 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	160426	160426	160426
5°	157737	157737	157737
10°	149541	149919	150276
15°	137322	138094	139229
20°	123281	124447	125988
25°	108466	110087	112506
30°	95356	97053	100015
35°	82985	85662	87883
40°	72507	74425	76314
45°	62518	64596	66146
50°	55708	56868	57414
55°	49050	49700	49700
60°	43111	42409	43111
65°	35438	36320	37202
70°	27761	27761	28851
75°	18385	16945	16945
80°	10481	8461	6314
85°	4277	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 66146 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	6.6
10°-20°	169.9	16.7
20°-30°	209.5	20.6
30°-40°	199.7	19.6
40°-50°	161.5	15.9
50°-60°	116.3	11.4
60°-70°	69.7	6.8
70°-80°	23.3	2.3
80°-90°	2.0	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°-30°	446.5	43.8
0°-40°	646.1	63.4
0°-60°	924.0	90.7
0°-90°	1019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	732	732	732	732	732	
5°	717	717	717	717	717	67
15°	605	606	608	610	613	169
25°	448	451	455	462	465	206
35°	310	312	320	326	328	195
45°	202	205	208	212	213	157
55°	128	128	130	130	130	115
65°	68	70	70	72	72	68
75°	22	22	20	20	20	24
85°	2	2	0	0	0	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	731.6	731.6	731.6	731.6	731.6	731.6	731.6	731.6	731.6	731.6	731.6
2°	729.9	729.9	729.9	729.9	729.9	729.9	729.9	729.9	729.9	729.9	728.3
2.5°	729.9	728.3	728.3	728.3	728.3	728.3	728.3	728.3	728.3	729.9	728.3
5°	716.6	716.6	716.6	716.6	716.6	716.6	716.6	716.6	718.3	716.6	716.6
7.5°	696.6	696.6	696.6	696.6	698.3	698.3	698.3	698.3	699.9	699.9	698.3
10°	671.6	671.6	671.6	671.6	673.3	673.3	674.9	673.3	673.3	674.9	674.9
12.5°	641.6	639.9	639.9	639.9	641.6	643.3	643.3	643.3	644.9	644.9	644.9
15°	604.9	604.9	604.9	606.6	606.6	608.3	609.9	609.9	611.6	611.6	613.3
17.5°	568.3	568.3	566.6	568.3	569.9	571.6	573.3	574.9	576.6	576.6	576.6
20°	528.3	526.6	528.3	529.9	531.6	533.3	534.9	538.3	539.9	539.9	539.9
22.5°	488.3	486.6	488.3	490.0	491.6	493.3	498.3	500.0	501.6	501.6	505.0
25°	448.3	448.3	450.0	451.6	453.3	455.0	458.3	461.6	463.3	465.0	465.0
27.5°	411.6	411.6	411.6	411.6	415.0	418.3	421.6	425.0	426.6	428.3	428.3
30°	376.6	375.0	375.0	376.6	380.0	383.3	386.6	390.0	391.6	393.3	395.0
32.5°	341.6	341.6	341.6	343.3	345.0	350.0	353.3	355.0	358.3	360.0	360.0
35°	310.0	310.0	310.0	313.3	316.6	320.0	321.6	325.0	328.3	328.3	328.3
37.5°	283.3	285.0	288.3	286.6	286.6	288.3	290.0	293.3	296.6	296.6	296.6
40°	253.3	255.0	256.6	255.0	256.6	260.0	261.6	263.3	265.0	266.6	266.6
42.5°	225.0	225.0	225.0	226.6	230.0	231.6	235.0	236.6	238.3	238.3	238.3
45°	201.6	201.6	203.3	205.0	206.6	208.3	210.0	211.6	213.3	213.3	213.3
47.5°	181.6	181.6	183.3	183.3	185.0	186.6	188.3	188.3	190.0	191.6	190.0
50°	163.3	163.3	163.3	165.0	165.0	166.7	166.7	168.3	168.3	168.3	168.3
52.5°	145.0	145.0	145.0	145.0	146.7	146.7	146.7	148.3	148.3	148.3	148.3
55°	128.3	128.3	128.3	128.3	128.3	130.0	130.0	130.0	130.0	130.0	130.0
57.5°	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3
60°	98.3	98.3	98.3	98.3	98.3	96.7	98.3	98.3	98.3	98.3	98.3
62.5°	83.3	83.3	83.3	83.3	83.3	83.3	83.3	85.0	85.0	85.0	85.0
65°	68.3	70.0	70.0	70.0	70.0	70.0	70.0	71.7	71.7	71.7	71.7
67.5°	55.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	58.3	58.3	58.3
70°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	45.0
72.5°	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	31.7	31.7	31.7
75°	21.7	21.7	21.7	21.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0
77.5°	15.0	15.0	15.0	13.3	13.3	11.7	11.7	11.7	11.7	11.7	10.0
80°	8.3	8.3	8.3	8.3	8.3	6.7	6.7	5.0	5.0	5.0	5.0
82.5°	5.0	5.0	5.0	3.3	3.3	3.3	3.3	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0

(END OF REPORT)