

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: P1446520

Luminaire Tested: P3ART05R709730DE010 E3CLDWW1MB

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446520
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: P3ART05R709730DE010 E3CLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3CLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

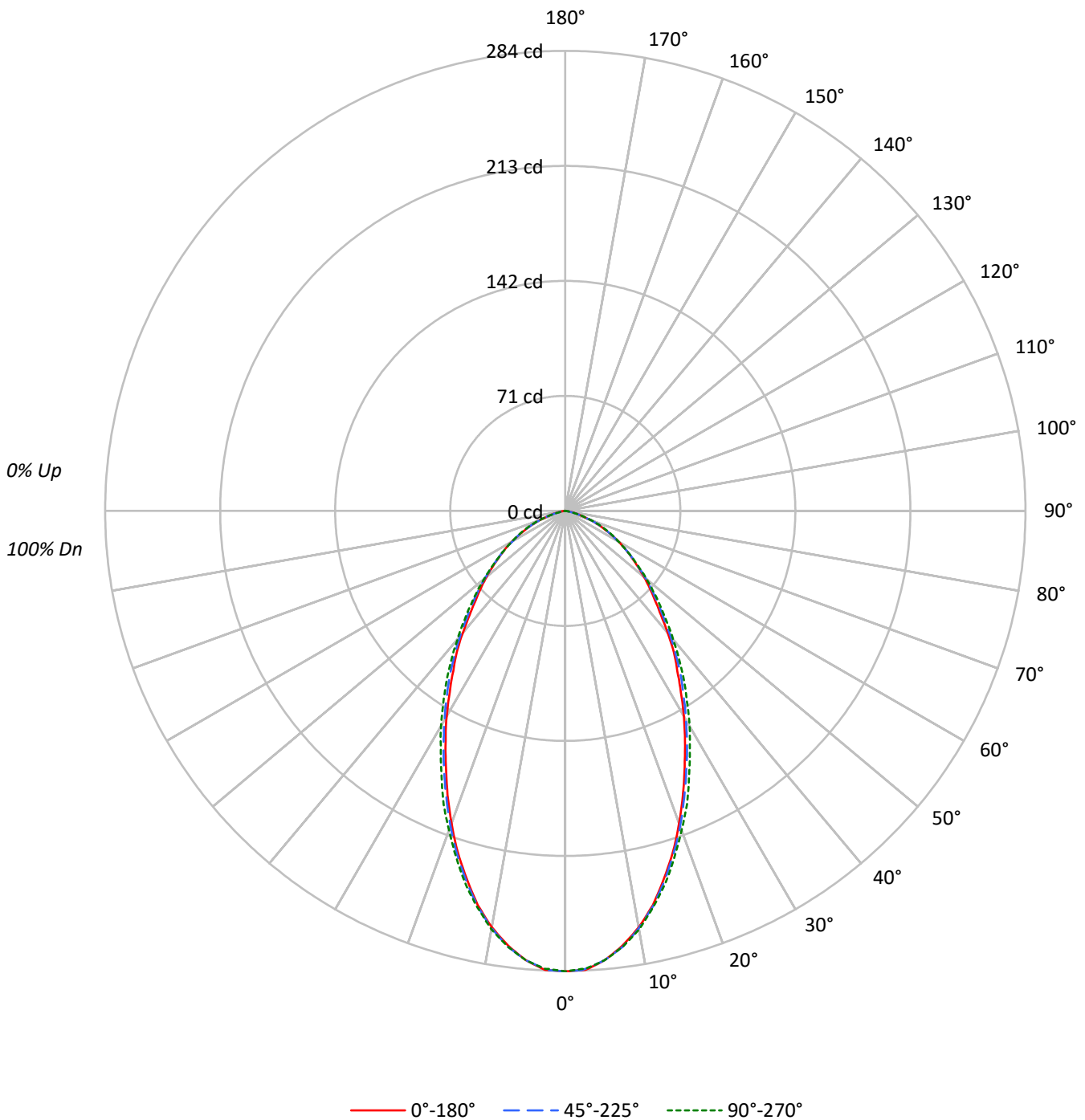
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 396.0 lumens
Efficiency: N/A
Efficacy: 55.0 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): 7.2
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	44	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°	62341	62341	62341
5°	61303	61303	61303
10°	58115	58249	58405
15°	53371	53667	54098
20°	47907	48351	48958
25°	42148	42777	43720
30°	37069	37727	38867
35°	32257	33274	34158
40°	28167	28911	29656
45°	24313	25119	25708
50°	21662	22106	22311
55°	19077	19306	19306
60°	16753	16490	16753
65°	13802	14113	14424
70°	10771	10771	11220
75°	7117	6608	6608
80°	4041	3283	2399
85°	1510	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 25708 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	6.6
10°-20°	66.0	16.7
20°-30°	81.4	20.6
30°-40°	77.6	19.6
40°-50°	62.8	15.9
50°-60°	45.2	11.4
60°-70°	27.1	6.8
70°-80°	9.1	2.3
80°-90°	0.8	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°	173.5	43.8
0°-40°	251.1	63.4
0°-60°	359.1	90.7
0°-90°	396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	396.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	284	284	284	284	284	
5°	278	278	278	279	278	26
15°	235	236	236	237	238	66
25°	174	175	177	180	181	80
35°	120	121	124	127	128	76
45°	78	80	81	82	83	61
55°	50	50	50	50	50	45
65°	27	27	27	28	28	27
75°	8	8	8	8	8	9
85°	1	1	0	0	0	1
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°	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3
2°	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.0
2.5°	283.7	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.0	283.7	283.0
5°	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	279.1	278.5	278.5
7.5°	270.7	270.7	270.7	270.7	271.4	271.4	271.4	271.4	272.0	272.0	271.4
10°	261.0	261.0	261.0	261.0	261.6	261.6	262.3	261.6	261.6	262.3	262.3
12.5°	249.3	248.7	248.7	248.7	249.3	250.0	250.0	250.0	250.6	250.6	250.6
15°	235.1	235.1	235.1	235.7	235.7	236.4	237.0	237.0	237.7	237.7	238.3
17.5°	220.8	220.8	220.2	220.8	221.5	222.1	222.8	223.4	224.1	224.1	224.1
20°	205.3	204.7	205.3	205.9	206.6	207.2	207.9	209.2	209.8	209.8	209.8
22.5°	189.8	189.1	189.8	190.4	191.1	191.7	193.6	194.3	194.9	194.9	196.2
25°	174.2	174.2	174.9	175.5	176.2	176.8	178.1	179.4	180.0	180.7	180.7
27.5°	160.0	160.0	160.0	160.0	161.3	162.6	163.9	165.1	165.8	166.4	166.4
30°	146.4	145.7	145.7	146.4	147.7	149.0	150.3	151.5	152.2	152.8	153.5
32.5°	132.8	132.8	132.8	133.4	134.1	136.0	137.3	137.9	139.2	139.9	139.9
35°	120.5	120.5	120.5	121.8	123.0	124.3	125.0	126.3	127.6	127.6	127.6
37.5°	110.1	110.7	112.0	111.4	111.4	112.0	112.7	114.0	115.3	115.3	115.3
40°	98.4	99.1	99.7	99.1	99.7	101.0	101.7	102.3	103.0	103.6	103.6
42.5°	87.4	87.4	87.4	88.1	89.4	90.0	91.3	92.0	92.6	92.6	92.6
45°	78.4	78.4	79.0	79.7	80.3	81.0	81.6	82.2	82.9	82.9	82.9
47.5°	70.6	70.6	71.2	71.2	71.9	72.5	73.2	73.2	73.8	74.5	73.8
50°	63.5	63.5	63.5	64.1	64.1	64.8	64.8	65.4	65.4	65.4	65.4
52.5°	56.3	56.3	56.3	56.3	57.0	57.0	57.0	57.6	57.6	57.6	57.6
55°	49.9	49.9	49.9	49.9	49.9	50.5	50.5	50.5	50.5	50.5	50.5
57.5°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
60°	38.2	38.2	38.2	38.2	38.2	37.6	38.2	38.2	38.2	38.2	38.2
62.5°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	33.0	33.0	33.0	33.0
65°	26.6	27.2	27.2	27.2	27.2	27.2	27.2	27.8	27.8	27.8	27.8
67.5°	21.4	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.7	22.7	22.7
70°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	17.5
72.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	12.3	12.3	12.3
75°	8.4	8.4	8.4	8.4	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	5.8	5.8	5.8	5.2	5.2	4.5	4.5	4.5	4.5	4.5	3.9
80°	3.2	3.2	3.2	3.2	3.2	2.6	2.6	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	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)