

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: P#

Luminaire Tested: P3ART05R709030D2WDE010 E3CLDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
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: P3ART05R709030D2WDE010 E3CLDWW1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

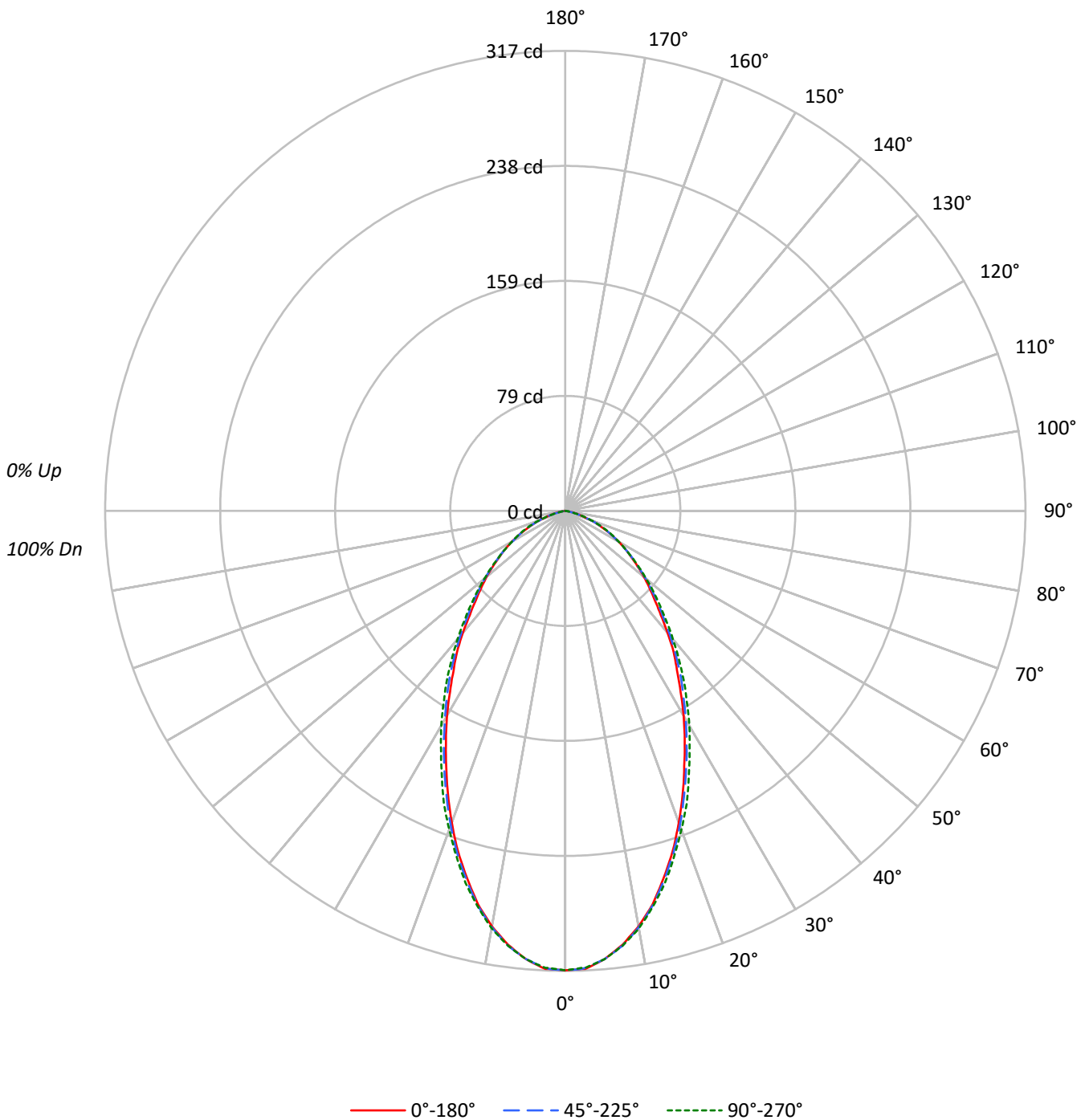
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 441.0 lumens
Efficiency: N/A
Efficacy: 39.7 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): 11.1
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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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	69424	69424	69424
5°	68259	68259	68259
10°	64728	64884	65040
15°	59433	59751	60250
20°	53345	53858	54535
25°	46938	47640	48680
30°	41272	42006	43272
35°	35898	37075	38039
40°	31373	32203	33033
45°	27073	27972	28623
50°	24119	24596	24835
55°	21218	21524	21524
60°	18683	18332	18683
65°	15358	15722	16085
70°	12053	12053	12502
75°	7964	7371	7371
80°	4546	3662	2778
85°	1761	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 28623 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	6.6
10°-20°	73.5	16.7
20°-30°	90.7	20.6
30°-40°	86.4	19.6
40°-50°	69.9	15.9
50°-60°	50.3	11.4
60°-70°	30.2	6.8
70°-80°	10.1	2.3
80°-90°	0.9	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°	193.2	43.8
0°-40°	279.6	63.4
0°-60°	399.9	90.7
0°-90°	441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	317	317	317	317	317	
5°	310	310	310	310	310	29
15°	262	262	263	264	265	73
25°	194	195	197	200	201	89
35°	134	135	138	141	142	84
45°	87	89	90	92	92	68
55°	56	56	56	56	56	50
65°	30	30	30	31	31	30
75°	9	9	9	9	9	11
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°	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6
2°	315.9	315.9	315.9	315.9	315.9	315.9	315.9	315.9	315.9	315.9	315.2
2.5°	315.9	315.2	315.2	315.2	315.2	315.2	315.2	315.2	315.2	315.9	315.2
5°	310.1	310.1	310.1	310.1	310.1	310.1	310.1	310.1	310.8	310.1	310.1
7.5°	301.5	301.5	301.5	301.5	302.2	302.2	302.2	302.2	302.9	302.9	302.2
10°	290.7	290.7	290.7	290.7	291.4	291.4	292.1	291.4	291.4	292.1	292.1
12.5°	277.7	277.0	277.0	277.0	277.7	278.4	278.4	278.4	279.1	279.1	279.1
15°	261.8	261.8	261.8	262.5	262.5	263.2	264.0	264.0	264.7	264.7	265.4
17.5°	245.9	245.9	245.2	245.9	246.7	247.4	248.1	248.8	249.5	249.5	249.5
20°	228.6	227.9	228.6	229.3	230.1	230.8	231.5	233.0	233.7	233.7	233.7
22.5°	211.3	210.6	211.3	212.0	212.8	213.5	215.6	216.4	217.1	217.1	218.5
25°	194.0	194.0	194.7	195.5	196.2	196.9	198.3	199.8	200.5	201.2	201.2
27.5°	178.1	178.1	178.1	178.1	179.6	181.0	182.5	183.9	184.6	185.4	185.4
30°	163.0	162.3	162.3	163.0	164.4	165.9	167.3	168.8	169.5	170.2	170.9
32.5°	147.9	147.9	147.9	148.6	149.3	151.5	152.9	153.6	155.1	155.8	155.8
35°	134.1	134.1	134.1	135.6	137.0	138.5	139.2	140.6	142.1	142.1	142.1
37.5°	122.6	123.3	124.8	124.1	124.1	124.8	125.5	126.9	128.4	128.4	128.4
40°	109.6	110.3	111.1	110.3	111.1	112.5	113.2	114.0	114.7	115.4	115.4
42.5°	97.4	97.4	97.4	98.1	99.5	100.3	101.7	102.4	103.1	103.1	103.1
45°	87.3	87.3	88.0	88.7	89.4	90.2	90.9	91.6	92.3	92.3	92.3
47.5°	78.6	78.6	79.3	79.3	80.1	80.8	81.5	81.5	82.2	82.9	82.2
50°	70.7	70.7	70.7	71.4	71.4	72.1	72.1	72.8	72.8	72.8	72.8
52.5°	62.7	62.7	62.7	62.7	63.5	63.5	63.5	64.2	64.2	64.2	64.2
55°	55.5	55.5	55.5	55.5	55.5	56.3	56.3	56.3	56.3	56.3	56.3
57.5°	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
60°	42.6	42.6	42.6	42.6	42.6	41.8	42.6	42.6	42.6	42.6	42.6
62.5°	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.8	36.8	36.8	36.8
65°	29.6	30.3	30.3	30.3	30.3	30.3	30.3	31.0	31.0	31.0	31.0
67.5°	23.8	24.5	24.5	24.5	24.5	24.5	24.5	24.5	25.2	25.2	25.2
70°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	19.5
72.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.7	13.7	13.7
75°	9.4	9.4	9.4	9.4	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	6.5	6.5	6.5	5.8	5.8	5.0	5.0	5.0	5.0	5.0	4.3
80°	3.6	3.6	3.6	3.6	3.6	2.9	2.9	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7	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)