

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: P1335317

Luminaire Tested: P3A02R359030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R359030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

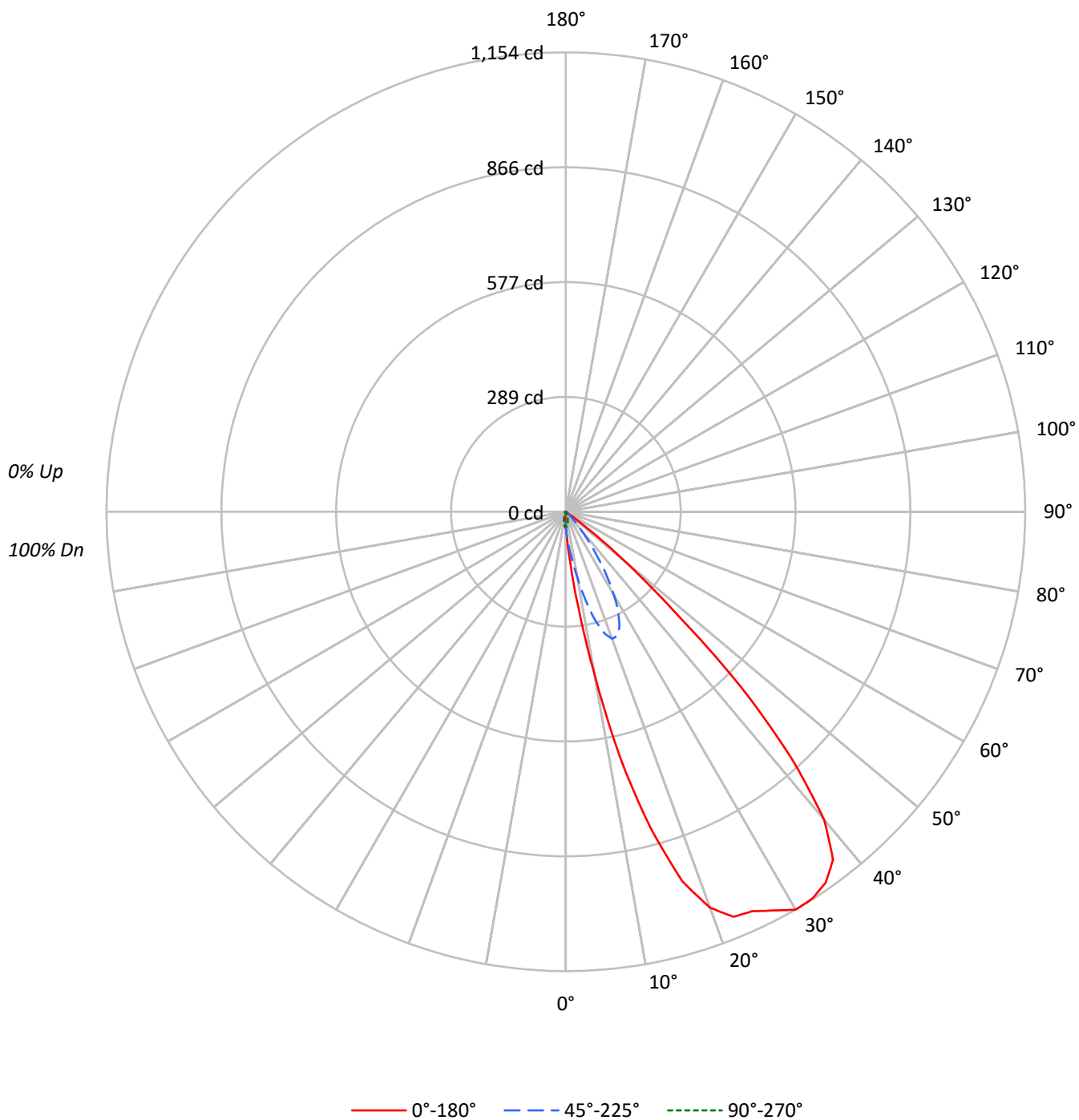
Lumens per Lamp: N/A
Luminaire Lumens: 363.0 lumens
Efficiency: N/A
Efficacy: 50.4 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8355	8355	8355	8355	8355
5°	28483	18512	7814	3302	2443
10°	91648	37519	6168	1225	802
15°	186698	63610	4359	454	295
20°	246888	79224	2824	163	163
25°	267886	77037	1573	73	169
30°	292247	61377	658	76	177
35°	304500	38200	187	80	187
40°	288970	16688	86	200	286
45°	192919	6667	93	310	496
50°	64680	1126	239	443	682
55°	3594	115	268	612	879
60°	307	132	439	702	1009
65°	363	156	519	830	1193
70°	192	192	641	1026	1282
75°	254	254	847	1101	1356
80°	0	379	1263	1263	1263
85°	0	755	2516	755	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 192919 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	1.8
10°-20°	52.1	14.4
20°-30°	110.0	30.3
30°-40°	124.8	34.4
40°-50°	61.5	16.9
50°-60°	5.3	1.5
60°-70°	1.1	0.3
70°-80°	1.0	0.3
80°-90°	0.5	0.1
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°	168.8	46.5
0°-40°	293.6	80.9
0°-60°	360.4	99.3
0°-90°	363.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	363.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	38	38	38	38	38	
5°	129	84	36	15	11	21
15°	822	280	19	2	1	234
25°	1107	318	6	0	1	515
35°	1138	143	1	0	1	701
45°	622	22	0	1	2	460
55°	9	0	1	2	2	37
65°	1	0	1	2	2	1
75°	0	0	1	1	2	0
85°	0	0	1	0	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
2.5°	66.1	67.8	67.1	66.8	66.5	65.2	62.2	61.9	59.0	57.0	47.2
5°	129.4	126.8	127.4	123.8	119.3	112.7	108.5	99.4	91.9	84.1	55.1
7.5°	243.7	240.2	233.3	222.9	212.1	198.1	176.9	160.0	140.4	121.9	61.3
10°	411.6	409.6	400.8	374.1	350.6	313.1	278.0	240.8	204.3	168.5	65.5
12.5°	635.7	622.4	606.4	570.9	524.6	477.7	408.3	344.1	285.8	225.8	65.8
15°	822.4	814.0	791.5	745.2	689.5	621.7	539.3	452.9	365.0	280.2	62.6
17.5°	972.7	959.6	930.6	885.3	821.1	733.2	636.7	531.5	424.3	319.0	57.0
20°	1058.0	1051.2	1029.0	983.7	913.7	817.6	707.7	585.2	461.4	339.5	49.9
22.5°	1101.1	1096.2	1079.9	1043.7	978.2	881.4	755.6	613.3	472.2	337.3	42.4
25°	1107.2	1105.9	1091.9	1064.6	1009.8	914.0	776.5	618.5	463.4	318.4	35.2
27.5°	1128.8	1124.2	1107.6	1080.2	1025.1	919.6	769.3	600.5	435.0	285.1	29.3
30°	1154.2	1150.9	1134.3	1105.9	1040.8	914.3	743.9	560.8	389.7	242.4	21.8
32.5°	1152.2	1150.9	1136.9	1106.9	1029.7	883.7	698.6	501.2	328.1	191.3	13.7
35°	1137.5	1133.0	1115.4	1069.1	966.5	804.9	612.6	420.3	259.7	142.7	8.8
37.5°	1102.4	1092.6	1062.9	984.4	853.4	683.3	498.9	324.5	183.8	95.5	5.5
40°	1009.5	997.1	937.5	842.7	705.5	538.3	371.1	223.2	121.2	58.3	2.3
42.5°	837.4	812.3	752.7	655.3	526.6	380.6	243.7	144.7	71.4	35.2	0.7
45°	622.1	602.8	540.3	452.0	345.1	244.1	147.6	78.2	39.4	21.5	0.3
47.5°	362.3	350.6	318.4	260.4	190.6	128.1	75.6	42.0	23.1	10.4	0.3
50°	189.6	175.0	150.5	114.0	84.1	59.0	36.8	22.5	11.4	3.3	0.3
52.5°	66.5	65.5	59.6	45.0	36.5	26.4	17.9	9.8	3.3	0.7	0.3
55°	9.4	9.4	8.8	9.8	10.4	9.4	6.2	2.6	0.7	0.3	0.3
57.5°	0.7	0.7	0.7	1.0	1.3	1.3	1.0	0.3	0.3	0.3	0.7
60°	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
62.5°	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
65°	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
90°	0.0	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°	112.5°	135°	157.5°	180°
0°	38.1	38.1	38.1	38.1	38.1
2.5°	37.8	30.3	24.1	21.2	20.2
5°	35.5	22.8	15.0	11.7	11.1
7.5°	31.6	16.3	9.1	6.5	6.2
10°	27.7	11.7	5.5	3.9	3.6
12.5°	23.1	8.1	3.6	2.3	2.0
15°	19.2	5.5	2.0	1.6	1.3
17.5°	15.3	3.6	1.3	1.0	1.3
20°	12.1	2.3	0.7	0.7	0.7
22.5°	9.1	1.3	0.7	0.7	0.7
25°	6.5	0.7	0.3	0.3	0.7
27.5°	4.6	0.3	0.3	0.3	0.7
30°	2.6	0.3	0.3	0.3	0.7
32.5°	1.3	0.3	0.3	0.7	0.7
35°	0.7	0.3	0.3	0.7	0.7
37.5°	0.3	0.3	0.3	0.7	1.0
40°	0.3	0.3	0.7	1.0	1.0
42.5°	0.3	0.3	0.7	1.0	1.3
45°	0.3	0.7	1.0	1.3	1.6
47.5°	0.7	0.7	1.3	1.6	2.0
50°	0.7	1.0	1.3	2.0	2.0
52.5°	0.7	1.0	1.6	2.0	2.3
55°	0.7	1.3	1.6	2.3	2.3
57.5°	1.0	1.3	1.6	2.3	2.3
60°	1.0	1.3	1.6	2.3	2.3
62.5°	1.0	1.3	1.6	2.3	2.3
65°	1.0	1.3	1.6	2.3	2.3
67.5°	1.0	1.3	1.6	2.0	2.3
70°	1.0	1.3	1.6	2.0	2.0
72.5°	1.3	1.3	1.6	2.0	2.0
75°	1.0	1.3	1.3	1.6	1.6
77.5°	1.0	1.0	1.0	1.3	1.3
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	0.7	0.7	1.0	1.0
85°	1.0	0.7	0.3	0.7	0.7
87.5°	0.7	0.7	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)