

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: P1345427

Luminaire Tested: P3A13R359030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345427
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: P3A13R359030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

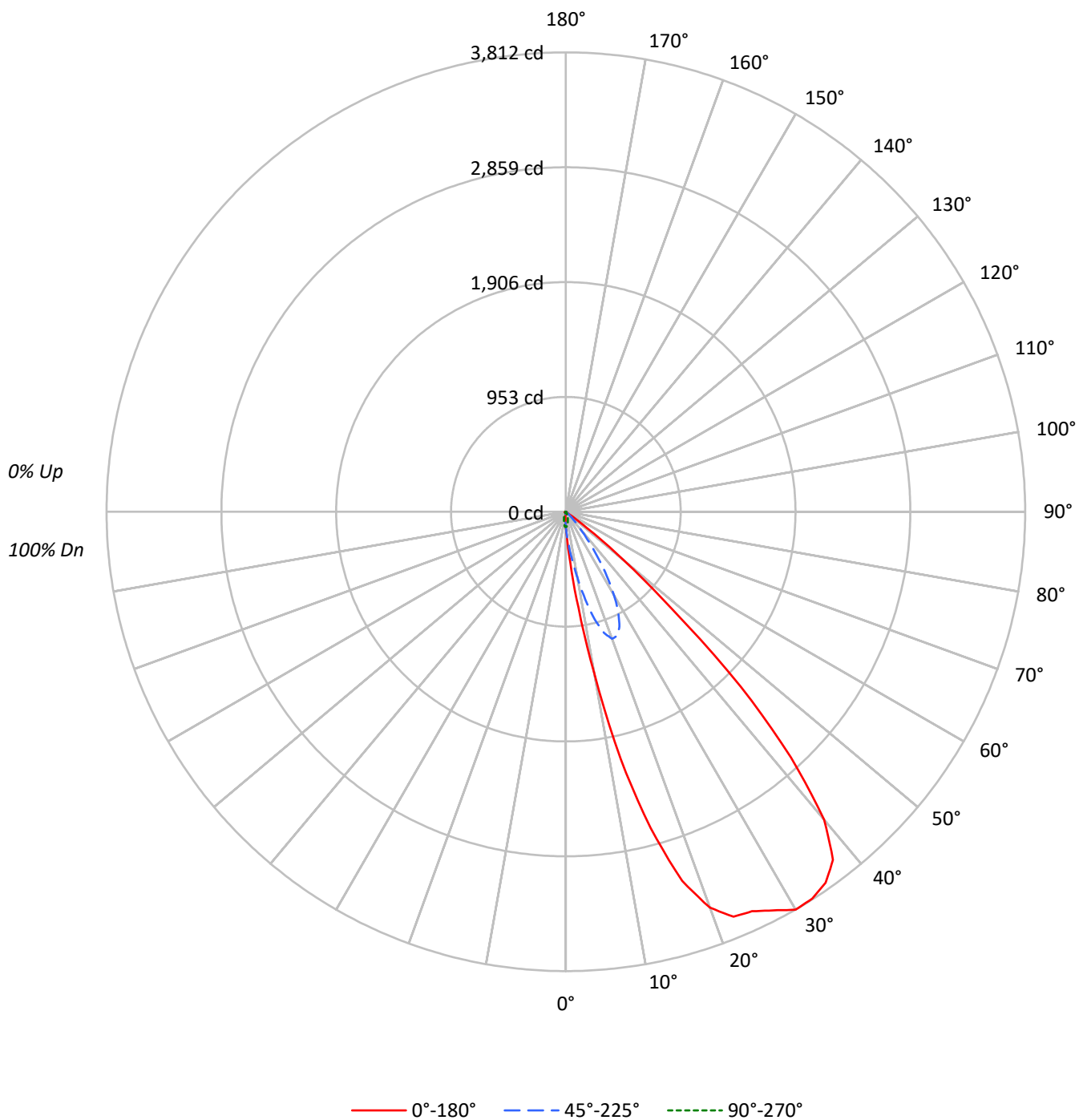
Lumens per Lamp: N/A
Luminaire Lumens: 1199.1 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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
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°	27607	27607	27607	27607	27607
5°	94057	61127	25820	10896	8056
10°	302689	123890	20374	4075	2627
15°	616712	210126	14416	1476	976
20°	815501	261706	9287	513	513
25°	884882	254410	5202	266	532
30°	965262	202765	2178	279	557
35°	1005827	126190	589	294	589
40°	954474	55160	315	630	916
45°	637182	22018	341	992	1675
50°	213690	3684	751	1467	2217
55°	11928	421	841	2064	2867
60°	965	482	1403	2368	3289
65°	1141	571	1660	2802	3891
70°	705	705	2052	3462	4167
75°	932	932	2711	3643	4575
80°	0	1389	4041	4041	4041
85°	0	2768	8051	2768	5535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 637182 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	1.8
10°-20°	172.2	14.4
20°-30°	363.5	30.3
30°-40°	412.4	34.4
40°-50°	203.0	16.9
50°-60°	17.6	1.5
60°-70°	3.6	0.3
70°-80°	3.3	0.3
80°-90°	1.6	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°	557.5	46.5
0°-40°	969.9	80.9
0°-60°	1190.5	99.3
0°-90°	1199.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1199.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	126	126	126	126	126	
5°	427	278	117	50	37	70
15°	2717	926	64	6	4	772
25°	3657	1052	22	1	2	1702
35°	3757	471	2	1	2	2316
45°	2055	71	1	3	5	1518
55°	31	1	2	5	8	122
65°	2	1	3	5	8	2
75°	1	1	3	4	5	1
85°	0	1	3	1	2	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°	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9
2.5°	218.5	223.9	221.7	220.6	219.6	215.3	205.6	204.5	194.8	188.4	156.1
5°	427.3	418.7	420.8	409.0	393.9	372.4	358.4	328.3	303.5	277.7	181.9
7.5°	805.1	793.2	770.6	736.2	700.7	654.4	584.4	528.5	463.9	402.5	202.3
10°	1359.4	1352.9	1323.8	1235.6	1158.1	1034.3	918.1	795.4	674.8	556.4	216.3
12.5°	2099.9	2055.7	2003.0	1885.7	1732.8	1577.9	1348.6	1136.6	943.9	745.9	217.4
15°	2716.6	2688.6	2614.3	2461.5	2277.4	2053.6	1781.3	1496.1	1205.5	925.6	206.6
17.5°	3212.7	3169.7	3073.9	2924.3	2712.3	2421.7	2103.1	1755.4	1401.3	1053.7	188.4
20°	3494.7	3472.1	3398.9	3249.3	3017.9	2700.4	2337.7	1933.0	1524.0	1121.5	164.7
22.5°	3636.8	3620.7	3566.9	3447.4	3231.0	2911.4	2495.9	2025.6	1559.6	1114.0	139.9
25°	3657.3	3653.0	3606.7	3516.3	3335.4	3019.0	2564.8	2042.8	1530.5	1051.5	116.2
27.5°	3728.3	3713.2	3658.3	3567.9	3386.0	3037.3	2541.1	1983.6	1436.9	941.8	96.9
30°	3812.2	3801.5	3746.6	3653.0	3437.7	3020.1	2457.2	1852.3	1287.3	800.8	72.1
32.5°	3805.8	3801.5	3755.2	3656.2	3401.1	2918.9	2307.6	1655.3	1083.8	631.8	45.2
35°	3757.4	3742.3	3684.2	3531.3	3192.3	2658.5	2023.4	1388.4	857.8	471.4	29.1
37.5°	3641.1	3608.8	3510.9	3251.5	2818.8	2257.0	1647.8	1072.0	607.0	315.4	18.3
40°	3334.4	3293.5	3096.5	2783.3	2330.2	1778.0	1225.9	737.3	400.4	192.7	7.5
42.5°	2766.1	2683.2	2486.2	2164.4	1739.3	1257.1	805.1	477.9	235.7	116.2	2.2
45°	2054.7	1991.2	1784.5	1492.8	1139.8	806.1	487.6	258.3	130.2	71.0	1.1
47.5°	1196.8	1158.1	1051.5	860.0	629.6	423.0	249.7	138.8	76.4	34.4	1.1
50°	626.4	578.0	497.2	376.7	277.7	194.8	121.6	74.3	37.7	10.8	1.1
52.5°	219.6	216.3	197.0	148.5	120.5	87.2	59.2	32.3	10.8	2.2	1.1
55°	31.2	31.2	29.1	32.3	34.4	31.2	20.4	8.6	2.2	1.1	1.1
57.5°	2.2	2.2	2.2	3.2	4.3	4.3	3.2	1.1	1.1	1.1	2.2
60°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
62.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
65°	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
77.5°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2
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°	125.9	125.9	125.9	125.9	125.9
2.5°	124.9	100.1	79.6	70.0	66.7
5°	117.3	75.3	49.5	38.7	36.6
7.5°	104.4	53.8	30.1	21.5	20.4
10°	91.5	38.7	18.3	12.9	11.8
12.5°	76.4	26.9	11.8	7.5	6.5
15°	63.5	18.3	6.5	5.4	4.3
17.5°	50.6	11.8	4.3	3.2	4.3
20°	39.8	7.5	2.2	2.2	2.2
22.5°	30.1	4.3	2.2	2.2	2.2
25°	21.5	2.2	1.1	1.1	2.2
27.5°	15.1	1.1	1.1	1.1	2.2
30°	8.6	1.1	1.1	1.1	2.2
32.5°	4.3	1.1	1.1	2.2	2.2
35°	2.2	1.1	1.1	2.2	2.2
37.5°	1.1	1.1	1.1	2.2	3.2
40°	1.1	1.1	2.2	3.2	3.2
42.5°	1.1	1.1	2.2	3.2	4.3
45°	1.1	2.2	3.2	4.3	5.4
47.5°	2.2	2.2	4.3	5.4	6.5
50°	2.2	3.2	4.3	6.5	6.5
52.5°	2.2	3.2	5.4	6.5	7.5
55°	2.2	4.3	5.4	7.5	7.5
57.5°	3.2	4.3	5.4	7.5	7.5
60°	3.2	4.3	5.4	7.5	7.5
62.5°	3.2	4.3	5.4	7.5	7.5
65°	3.2	4.3	5.4	7.5	7.5
67.5°	3.2	4.3	5.4	6.5	7.5
70°	3.2	4.3	5.4	6.5	6.5
72.5°	4.3	4.3	5.4	6.5	6.5
75°	3.2	4.3	4.3	5.4	5.4
77.5°	3.2	3.2	3.2	4.3	4.3
80°	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	2.2	2.2	3.2	3.2
85°	3.2	2.2	1.1	2.2	2.2
87.5°	2.2	2.2	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)