

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: P1345491

Luminaire Tested: P3A13R359050DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345491
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: P3A13R359050DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

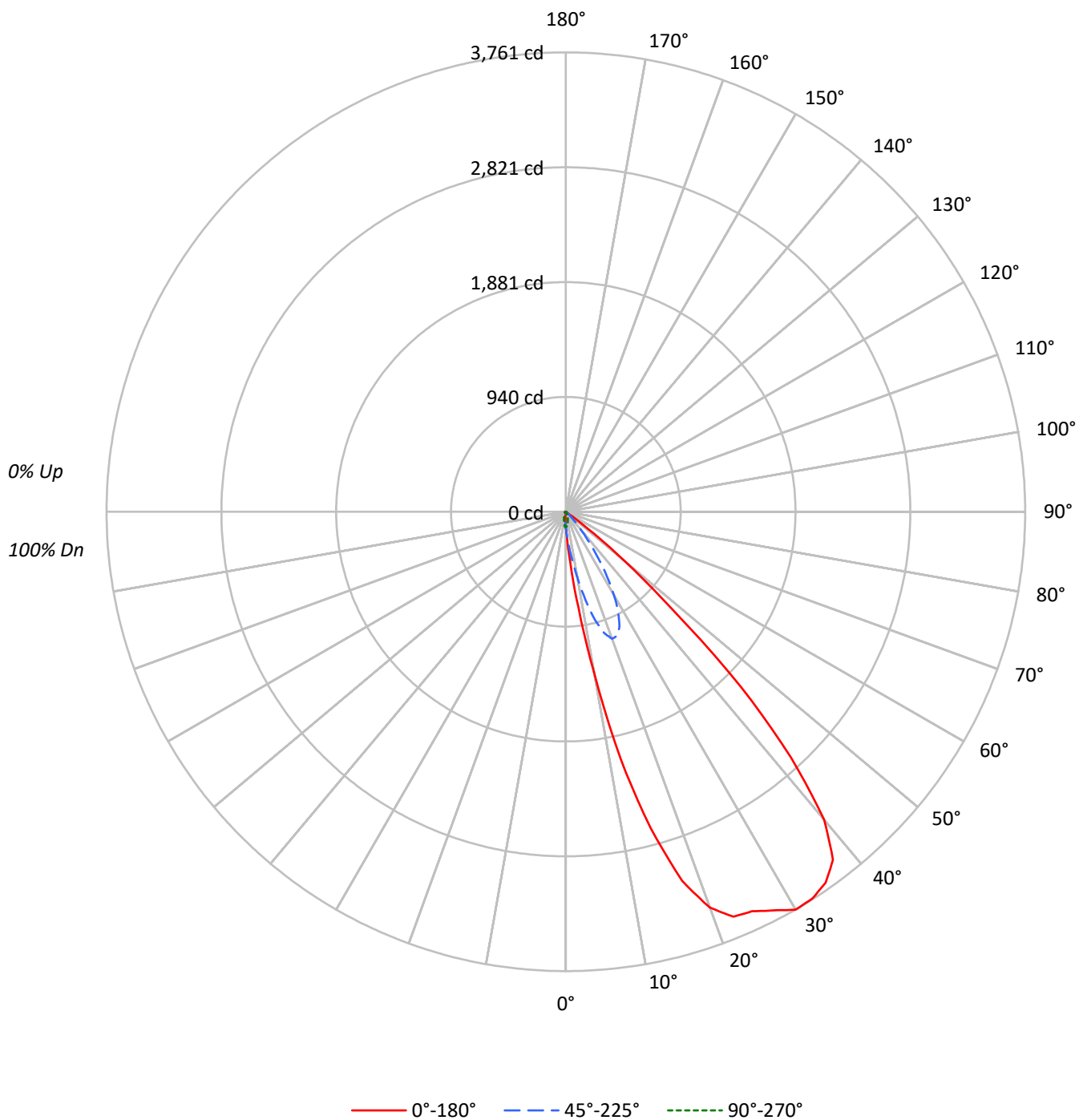
Lumens per Lamp: N/A
Luminaire Lumens: 1183.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	27235	27235	27235	27235	27235
5°	92802	60312	25490	10742	7946
10°	298636	122242	20107	4030	2605
15°	608471	207334	14234	1453	953
20°	804627	258206	9171	490	490
25°	873075	251023	5129	266	508
30°	952400	200056	2152	279	532
35°	992389	124504	562	294	562
40°	941736	54416	315	601	916
45°	628654	21739	341	992	1644
50°	210825	3616	716	1433	2183
55°	11775	421	803	2026	2829
60°	921	482	1403	2324	3245
65°	1090	571	1660	2750	3840
70°	705	705	2052	3398	4103
75°	932	932	2711	3558	4490
80°	0	1389	4041	4041	4041
85°	0	2768	8051	2768	5284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 628654 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	1.8
10°-20°	169.9	14.4
20°-30°	358.6	30.3
30°-40°	406.9	34.4
40°-50°	200.3	16.9
50°-60°	17.4	1.5
60°-70°	3.5	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°	550.1	46.5
0°-40°	957.0	80.9
0°-60°	1174.6	99.3
0°-90°	1183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1183.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	124	124	124	124	124	
5°	422	274	116	49	36	69
15°	2680	913	63	6	4	762
25°	3608	1038	21	1	2	1679
35°	3707	465	2	1	2	2285
45°	2027	70	1	3	5	1498
55°	31	1	2	5	7	121
65°	2	1	3	5	7	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°	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2
2.5°	215.6	220.9	218.8	217.7	216.6	212.4	202.8	201.8	192.2	185.8	154.0
5°	421.6	413.1	415.2	403.5	388.7	367.4	353.6	323.9	299.5	274.0	179.5
7.5°	794.3	782.6	760.3	726.4	691.3	645.7	576.6	521.4	457.7	397.2	199.6
10°	1341.2	1334.9	1306.2	1219.1	1142.6	1020.5	905.8	784.8	665.8	549.0	213.4
12.5°	2071.8	2028.3	1976.3	1860.5	1709.7	1556.8	1330.6	1121.4	931.3	735.9	214.5
15°	2680.3	2652.7	2579.4	2428.6	2247.1	2026.2	1757.5	1476.1	1189.4	913.3	203.9
17.5°	3169.9	3127.4	3032.9	2885.3	2676.1	2389.4	2075.0	1732.0	1382.6	1039.6	185.8
20°	3448.1	3425.8	3353.6	3206.0	2977.7	2664.4	2306.5	1907.2	1503.7	1106.5	162.5
22.5°	3588.3	3572.3	3519.3	3401.4	3187.9	2872.5	2462.6	1998.6	1538.7	1099.1	138.1
25°	3608.5	3604.2	3558.5	3469.3	3290.9	2978.7	2530.6	2015.6	1510.1	1037.5	114.7
27.5°	3678.5	3663.7	3609.5	3520.3	3340.8	2996.8	2507.2	1957.1	1417.7	929.2	95.6
30°	3761.4	3750.8	3696.6	3604.2	3391.8	2979.8	2424.4	1827.6	1270.1	790.1	71.1
32.5°	3755.0	3750.8	3705.1	3607.4	3355.7	2880.0	2276.8	1633.3	1069.4	623.4	44.6
35°	3707.2	3692.3	3635.0	3484.2	3149.7	2623.0	1996.4	1369.9	846.4	465.1	28.7
37.5°	3592.5	3560.7	3464.0	3208.1	2781.2	2226.9	1625.8	1057.7	598.9	311.1	18.1
40°	3289.9	3249.5	3055.2	2746.2	2299.1	1754.3	1209.5	727.4	395.0	190.1	7.4
42.5°	2729.2	2647.4	2453.1	2135.6	1716.1	1240.3	794.3	471.5	232.6	114.7	2.1
45°	2027.2	1964.6	1760.7	1472.9	1124.6	795.4	481.1	254.9	128.5	70.1	1.1
47.5°	1180.9	1142.6	1037.5	848.5	621.2	417.3	246.4	137.0	75.4	34.0	1.1
50°	618.0	570.3	490.6	371.7	274.0	192.2	120.0	73.3	37.2	10.6	1.1
52.5°	216.6	213.4	194.3	146.5	118.9	86.0	58.4	31.9	10.6	2.1	1.1
55°	30.8	30.8	28.7	31.9	34.0	30.8	20.2	8.5	2.1	1.1	1.1
57.5°	2.1	2.1	2.1	3.2	4.2	4.2	3.2	1.1	1.1	1.1	2.1
60°	2.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1
62.5°	2.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1
65°	2.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1
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	2.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.1
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°	124.2	124.2	124.2	124.2	124.2
2.5°	123.2	98.8	78.6	69.0	65.8
5°	115.8	74.3	48.8	38.2	36.1
7.5°	103.0	53.1	29.7	21.2	20.2
10°	90.3	38.2	18.1	12.7	11.7
12.5°	75.4	26.5	11.7	7.4	6.4
15°	62.7	18.1	6.4	5.3	4.2
17.5°	49.9	11.7	4.2	3.2	4.2
20°	39.3	7.4	2.1	2.1	2.1
22.5°	29.7	4.2	2.1	2.1	2.1
25°	21.2	2.1	1.1	1.1	2.1
27.5°	14.9	1.1	1.1	1.1	2.1
30°	8.5	1.1	1.1	1.1	2.1
32.5°	4.2	1.1	1.1	2.1	2.1
35°	2.1	1.1	1.1	2.1	2.1
37.5°	1.1	1.1	1.1	2.1	3.2
40°	1.1	1.1	2.1	3.2	3.2
42.5°	1.1	1.1	2.1	3.2	4.2
45°	1.1	2.1	3.2	4.2	5.3
47.5°	2.1	2.1	4.2	5.3	6.4
50°	2.1	3.2	4.2	6.4	6.4
52.5°	2.1	3.2	5.3	6.4	7.4
55°	2.1	4.2	5.3	7.4	7.4
57.5°	3.2	4.2	5.3	7.4	7.4
60°	3.2	4.2	5.3	7.4	7.4
62.5°	3.2	4.2	5.3	7.4	7.4
65°	3.2	4.2	5.3	7.4	7.4
67.5°	3.2	4.2	5.3	6.4	7.4
70°	3.2	4.2	5.3	6.4	6.4
72.5°	4.2	4.2	5.3	6.4	6.4
75°	3.2	4.2	4.2	5.3	5.3
77.5°	3.2	3.2	3.2	4.2	4.2
80°	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	2.1	2.1	3.2	3.2
85°	3.2	2.1	1.1	2.1	2.1
87.5°	2.1	2.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)