

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: P1338479

Luminaire Tested: P3A05R359827DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338479
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: P3A05R359827DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

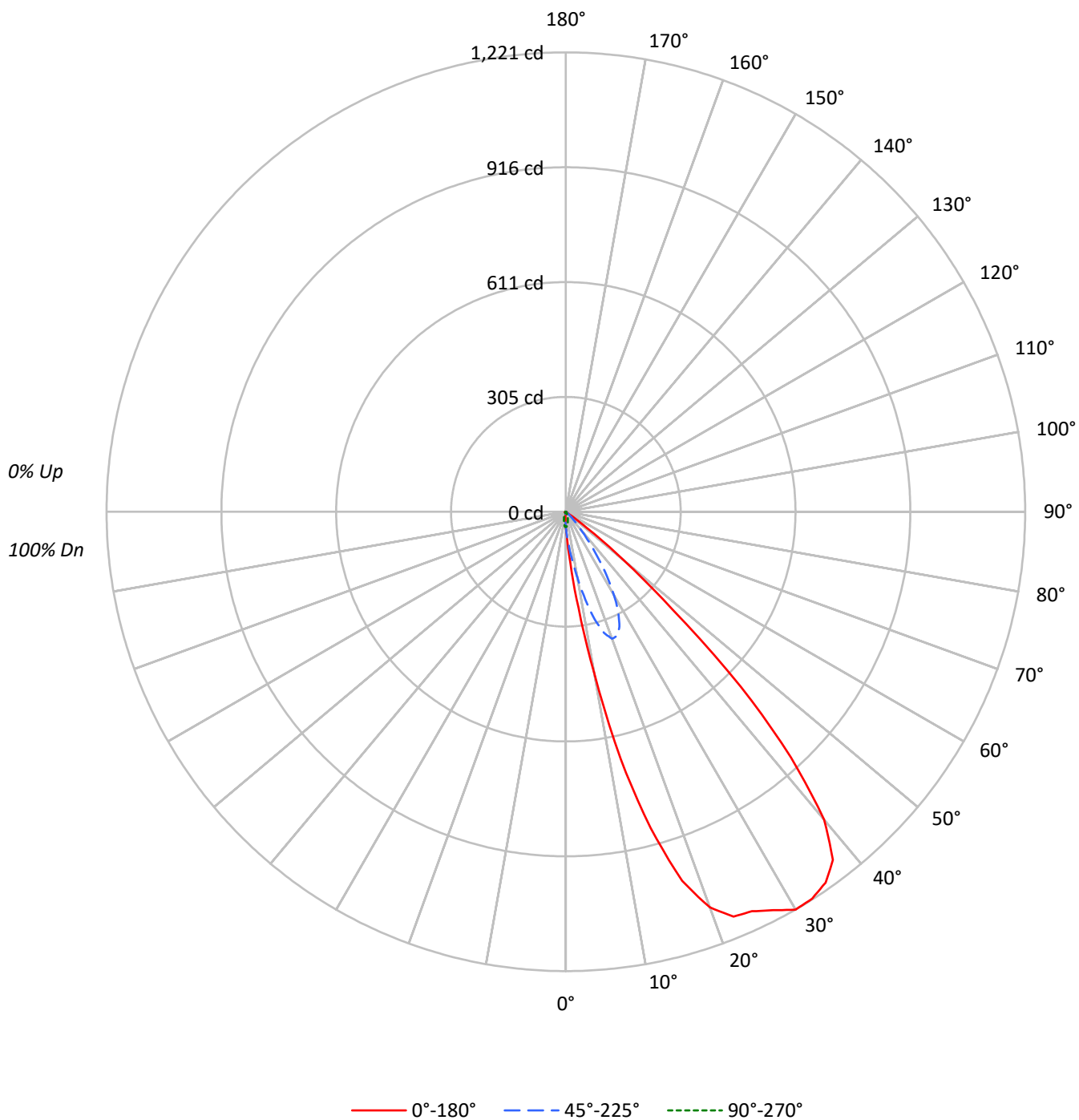
Lumens per Lamp: N/A
Luminaire Lumens: 383.9 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8837	8837	8837	8837	8837
5°	30112	19569	8276	3500	2575
10°	96948	39679	6524	1314	846
15°	197504	67288	4608	477	318
20°	261169	83821	2987	163	163
25°	283395	81489	1669	73	169
30°	309136	64947	709	76	177
35°	322141	40422	187	80	187
40°	305687	17662	86	200	286
45°	204052	7071	93	310	527
50°	68433	1160	239	478	716
55°	3823	115	268	650	918
60°	307	132	439	746	1053
65°	363	156	519	882	1245
70°	192	192	641	1090	1346
75°	254	254	847	1186	1440
80°	0	379	1263	1263	1263
85°	0	755	2516	755	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 204052 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	1.8
10°-20°	55.1	14.4
20°-30°	116.4	30.3
30°-40°	132.1	34.4
40°-50°	65.0	16.9
50°-60°	5.6	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°	178.6	46.5
0°-40°	310.6	80.9
0°-60°	381.2	99.3
0°-90°	383.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	383.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	137	89	38	16	12	23
15°	870	296	20	2	1	247
25°	1171	337	7	0	1	545
35°	1203	151	1	0	1	742
45°	658	23	0	1	2	486
55°	10	0	1	2	2	39
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°	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
2.5°	70.0	71.7	71.0	70.7	70.3	68.9	65.8	65.5	62.4	60.3	50.0
5°	136.8	134.1	134.8	131.0	126.2	119.3	114.8	105.1	97.2	88.9	58.3
7.5°	257.8	254.0	246.8	235.8	224.4	209.6	187.2	169.2	148.6	128.9	64.8
10°	435.4	433.3	424.0	395.7	370.9	331.3	294.0	254.7	216.1	178.2	69.3
12.5°	672.5	658.4	641.5	603.9	555.0	505.3	431.9	364.0	302.3	238.9	69.6
15°	870.0	861.1	837.3	788.3	729.4	657.7	570.5	479.1	386.1	296.4	66.2
17.5°	1028.9	1015.1	984.5	936.6	868.7	775.6	673.5	562.2	448.8	337.5	60.3
20°	1119.2	1112.0	1088.6	1040.7	966.5	864.9	748.7	619.1	488.1	359.2	52.7
22.5°	1164.7	1159.6	1142.3	1104.1	1034.8	932.4	799.4	648.7	499.5	356.8	44.8
25°	1171.3	1169.9	1155.1	1126.1	1068.2	966.9	821.4	654.2	490.2	336.8	37.2
27.5°	1194.0	1189.2	1171.6	1142.7	1084.4	972.8	813.8	635.3	460.2	301.6	31.0
30°	1220.9	1217.5	1199.9	1169.9	1101.0	967.2	787.0	593.2	412.3	256.5	23.1
32.5°	1218.9	1217.5	1202.7	1171.0	1089.3	934.8	739.0	530.2	347.1	202.3	14.5
35°	1203.4	1198.5	1179.9	1131.0	1022.4	851.4	648.0	444.7	274.7	151.0	9.3
37.5°	1166.1	1155.8	1124.4	1041.3	902.8	722.8	527.7	343.3	194.4	101.0	5.9
40°	1067.9	1054.8	991.7	891.4	746.3	569.4	392.6	236.1	128.2	61.7	2.4
42.5°	885.9	859.3	796.3	693.2	557.0	402.6	257.8	153.0	75.5	37.2	0.7
45°	658.0	637.7	571.5	478.1	365.0	258.2	156.2	82.7	41.7	22.8	0.3
47.5°	383.3	370.9	336.8	275.4	201.7	135.5	80.0	44.5	24.5	11.0	0.3
50°	200.6	185.1	159.3	120.6	88.9	62.4	39.0	23.8	12.1	3.4	0.3
52.5°	70.3	69.3	63.1	47.6	38.6	27.9	19.0	10.3	3.4	0.7	0.3
55°	10.0	10.0	9.3	10.3	11.0	10.0	6.5	2.8	0.7	0.3	0.3
57.5°	0.7	0.7	0.7	1.0	1.4	1.4	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°	40.3	40.3	40.3	40.3	40.3
2.5°	40.0	32.1	25.5	22.4	21.4
5°	37.6	24.1	15.9	12.4	11.7
7.5°	33.4	17.2	9.7	6.9	6.5
10°	29.3	12.4	5.9	4.1	3.8
12.5°	24.5	8.6	3.8	2.4	2.1
15°	20.3	5.9	2.1	1.7	1.4
17.5°	16.2	3.8	1.4	1.0	1.4
20°	12.8	2.4	0.7	0.7	0.7
22.5°	9.7	1.4	0.7	0.7	0.7
25°	6.9	0.7	0.3	0.3	0.7
27.5°	4.8	0.3	0.3	0.3	0.7
30°	2.8	0.3	0.3	0.3	0.7
32.5°	1.4	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	1.4
45°	0.3	0.7	1.0	1.4	1.7
47.5°	0.7	0.7	1.4	1.7	2.1
50°	0.7	1.0	1.4	2.1	2.1
52.5°	0.7	1.0	1.7	2.1	2.4
55°	0.7	1.4	1.7	2.4	2.4
57.5°	1.0	1.4	1.7	2.4	2.4
60°	1.0	1.4	1.7	2.4	2.4
62.5°	1.0	1.4	1.7	2.4	2.4
65°	1.0	1.4	1.7	2.4	2.4
67.5°	1.0	1.4	1.7	2.1	2.4
70°	1.0	1.4	1.7	2.1	2.1
72.5°	1.4	1.4	1.7	2.1	2.1
75°	1.0	1.4	1.4	1.7	1.7
77.5°	1.0	1.0	1.0	1.4	1.4
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)