

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: P1338495

Luminaire Tested: P3A05R359830DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338495
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: P3A05R359830DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

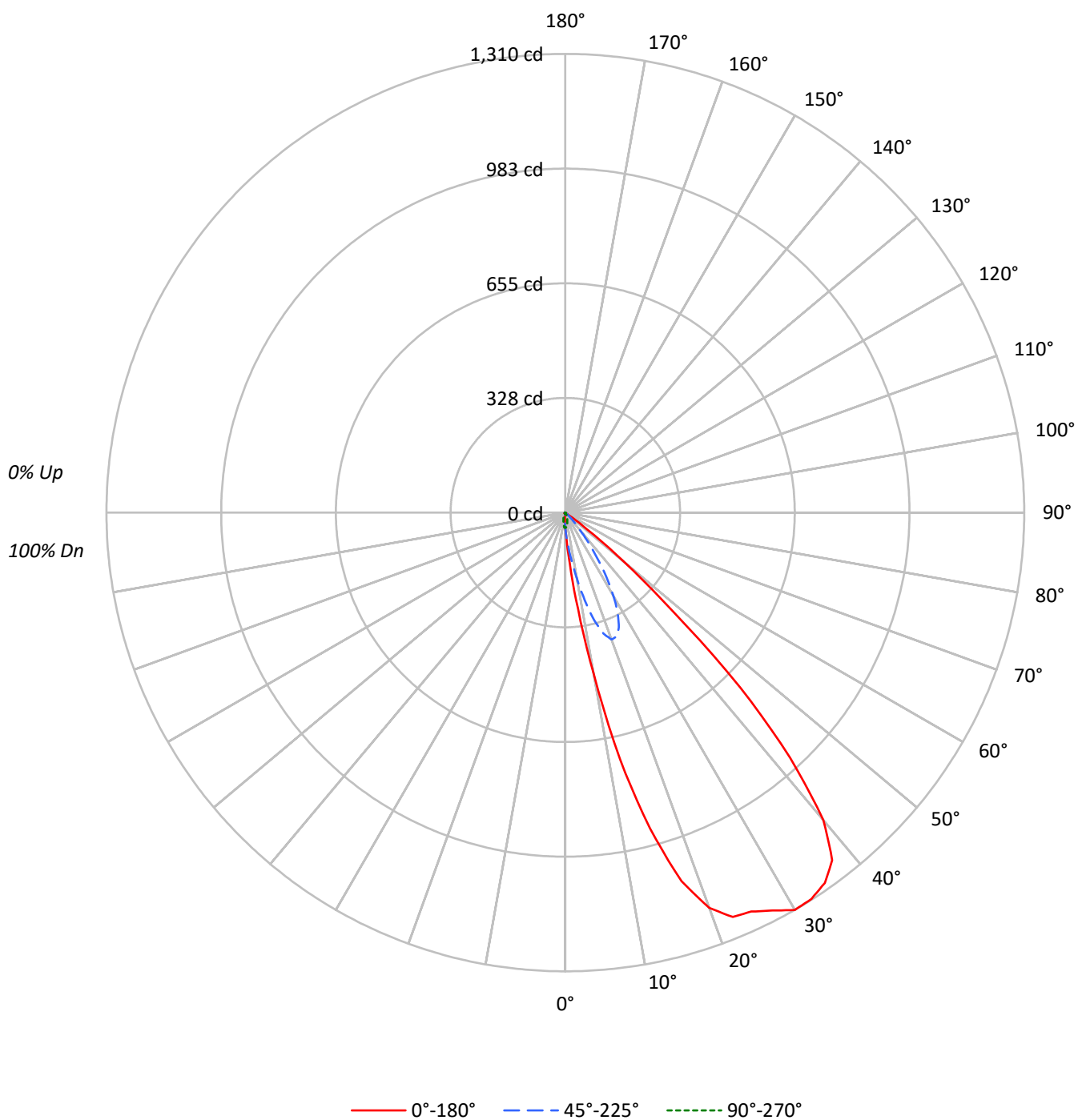
Lumens per Lamp: N/A
Luminaire Lumens: 412.0 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9495	9495	9495	9495	9495
5°	32313	20999	8871	3742	2773
10°	104006	42573	6992	1403	913
15°	211919	72214	4949	499	341
20°	280234	89934	3197	163	163
25°	304058	87416	1790	97	169
30°	331697	69682	760	101	177
35°	345618	43366	187	107	187
40°	327986	18950	115	200	315
45°	218937	7567	124	341	558
50°	73413	1262	239	512	751
55°	4091	153	268	688	994
60°	307	175	482	789	1140
65°	363	208	571	934	1349
70°	256	256	705	1154	1410
75°	339	339	932	1271	1525
80°	0	505	1389	1389	1389
85°	0	1006	2768	1006	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 218937 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	1.8
10°-20°	59.2	14.4
20°-30°	124.9	30.3
30°-40°	141.7	34.4
40°-50°	69.7	16.9
50°-60°	6.0	1.5
60°-70°	1.2	0.3
70°-80°	1.1	0.3
80°-90°	0.6	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°	191.6	46.5
0°-40°	333.3	80.9
0°-60°	409.1	99.3
0°-90°	412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	412.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	147	95	40	17	13	24
15°	934	318	22	2	2	265
25°	1257	361	7	0	1	585
35°	1291	162	1	0	1	796
45°	706	24	0	1	2	522
55°	11	0	1	2	3	42
65°	1	0	1	2	3	1
75°	0	0	1	2	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°	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
2.5°	75.1	76.9	76.2	75.8	75.4	74.0	70.6	70.3	66.9	64.7	53.6
5°	146.8	143.9	144.6	140.5	135.4	128.0	123.2	112.8	104.3	95.4	62.5
7.5°	276.6	272.6	264.8	253.0	240.8	224.9	200.8	181.6	159.4	138.3	69.5
10°	467.1	464.9	454.9	424.6	397.9	355.4	315.5	273.3	231.9	191.2	74.3
12.5°	721.6	706.4	688.3	648.0	595.4	542.2	463.4	390.5	324.3	256.3	74.7
15°	933.5	923.9	898.3	845.8	782.6	705.6	612.1	514.1	414.2	318.1	71.0
17.5°	1104.0	1089.2	1056.3	1004.8	932.0	832.1	722.7	603.2	481.5	362.1	64.7
20°	1200.9	1193.1	1167.9	1116.5	1037.0	927.9	803.3	664.2	523.7	385.4	56.6
22.5°	1249.7	1244.1	1225.6	1184.6	1110.3	1000.4	857.7	696.0	535.9	382.8	48.1
25°	1256.7	1255.2	1239.3	1208.3	1146.1	1037.4	881.3	702.0	525.9	361.3	39.9
27.5°	1281.1	1275.9	1257.1	1226.0	1163.5	1043.7	873.2	681.6	493.7	323.6	33.3
30°	1310.0	1306.3	1287.4	1255.2	1181.3	1037.8	844.3	636.5	442.3	275.2	24.8
32.5°	1307.7	1306.3	1290.4	1256.3	1168.7	1003.0	792.9	568.8	372.4	217.1	15.5
35°	1291.1	1285.9	1266.0	1213.4	1096.9	913.5	695.3	477.1	294.8	162.0	10.0
37.5°	1251.2	1240.1	1206.4	1117.3	968.6	775.5	566.2	368.4	208.6	108.4	6.3
40°	1145.8	1131.7	1064.0	956.4	800.7	611.0	421.2	253.3	137.6	66.2	2.6
42.5°	950.5	922.0	854.3	743.7	597.7	432.0	276.6	164.2	81.0	39.9	0.7
45°	706.0	684.2	613.2	513.0	391.7	277.0	167.5	88.8	44.8	24.4	0.4
47.5°	411.3	397.9	361.3	295.5	216.4	145.3	85.8	47.7	26.3	11.8	0.4
50°	215.2	198.6	170.9	129.4	95.4	66.9	41.8	25.5	12.9	3.7	0.4
52.5°	75.4	74.3	67.7	51.0	41.4	30.0	20.3	11.1	3.7	0.7	0.4
55°	10.7	10.7	10.0	11.1	11.8	10.7	7.0	3.0	0.7	0.4	0.4
57.5°	0.7	0.7	0.7	1.1	1.5	1.5	1.1	0.4	0.4	0.4	0.7
60°	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
62.5°	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
65°	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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°	43.3	43.3	43.3	43.3	43.3
2.5°	42.9	34.4	27.4	24.0	22.9
5°	40.3	25.9	17.0	13.3	12.6
7.5°	35.9	18.5	10.4	7.4	7.0
10°	31.4	13.3	6.3	4.4	4.1
12.5°	26.3	9.2	4.1	2.6	2.2
15°	21.8	6.3	2.2	1.8	1.5
17.5°	17.4	4.1	1.5	1.1	1.5
20°	13.7	2.6	0.7	0.7	0.7
22.5°	10.4	1.5	0.7	0.7	0.7
25°	7.4	0.7	0.4	0.4	0.7
27.5°	5.2	0.4	0.4	0.4	0.7
30°	3.0	0.4	0.4	0.4	0.7
32.5°	1.5	0.4	0.4	0.7	0.7
35°	0.7	0.4	0.4	0.7	0.7
37.5°	0.4	0.4	0.4	0.7	1.1
40°	0.4	0.4	0.7	1.1	1.1
42.5°	0.4	0.4	0.7	1.1	1.5
45°	0.4	0.7	1.1	1.5	1.8
47.5°	0.7	0.7	1.5	1.8	2.2
50°	0.7	1.1	1.5	2.2	2.2
52.5°	0.7	1.1	1.8	2.2	2.6
55°	0.7	1.5	1.8	2.6	2.6
57.5°	1.1	1.5	1.8	2.6	2.6
60°	1.1	1.5	1.8	2.6	2.6
62.5°	1.1	1.5	1.8	2.6	2.6
65°	1.1	1.5	1.8	2.6	2.6
67.5°	1.1	1.5	1.8	2.2	2.6
70°	1.1	1.5	1.8	2.2	2.2
72.5°	1.5	1.5	1.8	2.2	2.2
75°	1.1	1.5	1.5	1.8	1.8
77.5°	1.1	1.1	1.1	1.5	1.5
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	0.7	0.7	1.1	1.1
85°	1.1	0.7	0.4	0.7	0.7
87.5°	0.7	0.7	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)