

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: P1338415

Luminaire Tested: P3A05R359727DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338415
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: P3A05R359727DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

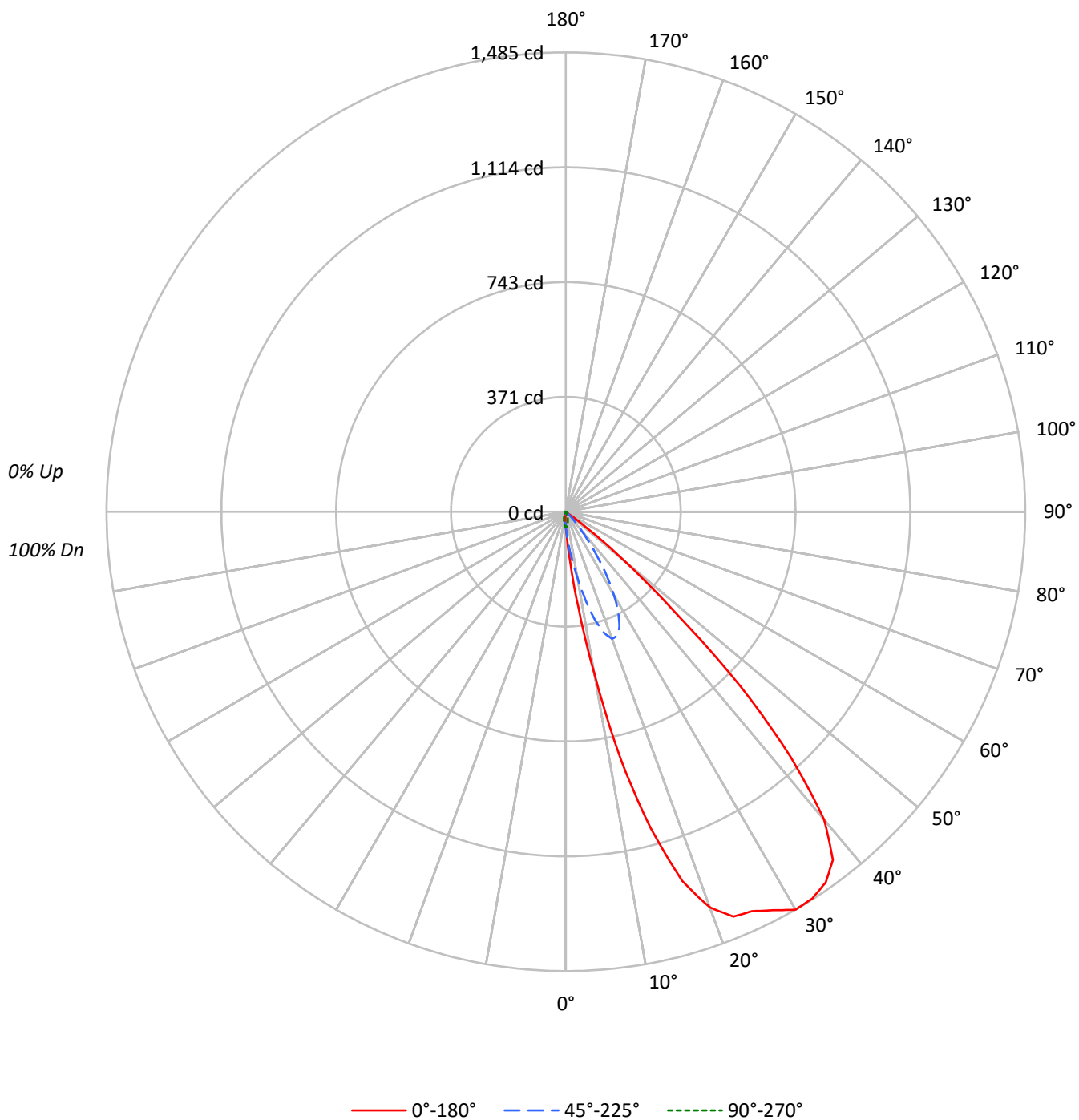
Lumens per Lamp: N/A
Luminaire Lumens: 467.0 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	10745	10745	10745	10745	10745
5°	36628	23817	10059	4248	3148
10°	117900	48251	7927	1581	1024
15°	240206	81839	5607	568	386
20°	317641	101929	3617	187	187
25°	344657	99102	2032	97	194
30°	375957	78974	861	101	203
35°	391768	49148	214	107	214
40°	371754	21469	115	229	372
45°	248181	8590	124	403	651
50°	83238	1433	273	580	853
55°	4664	153	306	803	1109
60°	351	175	570	921	1272
65°	415	208	675	1090	1505
70°	256	256	833	1346	1603
75°	339	339	1101	1440	1779
80°	0	505	1642	1642	1642
85°	0	1006	3271	1006	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 248181 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	1.8
10°-20°	67.1	14.4
20°-30°	141.6	30.3
30°-40°	160.6	34.4
40°-50°	79.0	16.9
50°-60°	6.8	1.5
60°-70°	1.4	0.3
70°-80°	1.3	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°	217.1	46.5
0°-40°	377.8	80.9
0°-60°	463.7	99.3
0°-90°	467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	467.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	49	49	49	49	49	
5°	166	108	46	19	14	27
15°	1058	360	25	2	2	301
25°	1424	410	8	0	1	663
35°	1464	184	1	0	1	902
45°	800	28	0	1	2	591
55°	12	0	1	2	3	48
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°	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
2.5°	85.1	87.2	86.4	85.9	85.5	83.8	80.1	79.6	75.9	73.4	60.8
5°	166.4	163.1	163.9	159.3	153.4	145.0	139.6	127.9	118.2	108.2	70.8
7.5°	313.6	309.0	300.2	286.7	272.9	254.9	227.6	205.8	180.7	156.8	78.8
10°	529.5	526.9	515.6	481.3	451.1	402.9	357.6	309.8	262.8	216.7	84.3
12.5°	817.9	800.7	780.1	734.5	674.9	614.6	525.3	442.7	367.6	290.5	84.7
15°	1058.1	1047.2	1018.3	958.7	887.0	799.8	693.8	582.7	469.5	360.5	80.5
17.5°	1251.3	1234.6	1197.3	1139.0	1056.4	943.2	819.1	683.7	545.8	410.4	73.4
20°	1361.2	1352.4	1323.9	1265.6	1175.5	1051.8	910.5	752.9	593.6	436.8	64.1
22.5°	1416.5	1410.2	1389.3	1342.7	1258.5	1134.0	972.1	789.0	607.4	433.9	54.5
25°	1424.5	1422.8	1404.8	1369.6	1299.1	1175.9	999.0	795.7	596.1	409.6	45.3
27.5°	1452.1	1446.3	1424.9	1389.7	1318.8	1183.0	989.8	772.6	559.6	366.8	37.7
30°	1484.8	1480.6	1459.3	1422.8	1339.0	1176.3	957.1	721.5	501.4	311.9	28.1
32.5°	1482.3	1480.6	1462.6	1424.1	1324.7	1136.9	898.8	644.7	422.1	246.1	17.6
35°	1463.5	1457.6	1435.0	1375.4	1243.4	1035.4	788.1	540.8	334.1	183.6	11.3
37.5°	1418.2	1405.6	1367.5	1266.4	1097.9	879.1	641.8	417.5	236.4	122.8	7.1
40°	1298.7	1282.8	1206.1	1084.1	907.6	692.5	477.5	287.2	155.9	75.0	2.9
42.5°	1077.4	1045.1	968.4	843.0	677.4	489.6	313.6	186.1	91.8	45.3	0.8
45°	800.3	775.5	695.0	581.4	443.9	314.0	189.9	100.6	50.7	27.7	0.4
47.5°	466.2	451.1	409.6	334.9	245.2	164.7	97.3	54.1	29.8	13.4	0.4
50°	244.0	225.1	193.7	146.7	108.2	75.9	47.4	28.9	14.7	4.2	0.4
52.5°	85.5	84.3	76.7	57.9	47.0	34.0	23.1	12.6	4.2	0.8	0.4
55°	12.2	12.2	11.3	12.6	13.4	12.2	8.0	3.4	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.3	1.7	1.7	1.3	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	49.0	49.0	49.0	49.0	49.0
2.5°	48.6	39.0	31.0	27.2	26.0
5°	45.7	29.3	19.3	15.1	14.3
7.5°	40.7	21.0	11.7	8.4	8.0
10°	35.6	15.1	7.1	5.0	4.6
12.5°	29.8	10.5	4.6	2.9	2.5
15°	24.7	7.1	2.5	2.1	1.7
17.5°	19.7	4.6	1.7	1.3	1.7
20°	15.5	2.9	0.8	0.8	0.8
22.5°	11.7	1.7	0.8	0.8	0.8
25°	8.4	0.8	0.4	0.4	0.8
27.5°	5.9	0.4	0.4	0.4	0.8
30°	3.4	0.4	0.4	0.4	0.8
32.5°	1.7	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.3
40°	0.4	0.4	0.8	1.3	1.3
42.5°	0.4	0.4	0.8	1.3	1.7
45°	0.4	0.8	1.3	1.7	2.1
47.5°	0.8	0.8	1.7	2.1	2.5
50°	0.8	1.3	1.7	2.5	2.5
52.5°	0.8	1.3	2.1	2.5	2.9
55°	0.8	1.7	2.1	2.9	2.9
57.5°	1.3	1.7	2.1	2.9	2.9
60°	1.3	1.7	2.1	2.9	2.9
62.5°	1.3	1.7	2.1	2.9	2.9
65°	1.3	1.7	2.1	2.9	2.9
67.5°	1.3	1.7	2.1	2.5	2.9
70°	1.3	1.7	2.1	2.5	2.5
72.5°	1.7	1.7	2.1	2.5	2.5
75°	1.3	1.7	1.7	2.1	2.1
77.5°	1.3	1.3	1.3	1.7	1.7
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	0.8	0.8	1.3	1.3
85°	1.3	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)