

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: P1337459

Luminaire Tested: P3A05R259827DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R259827DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

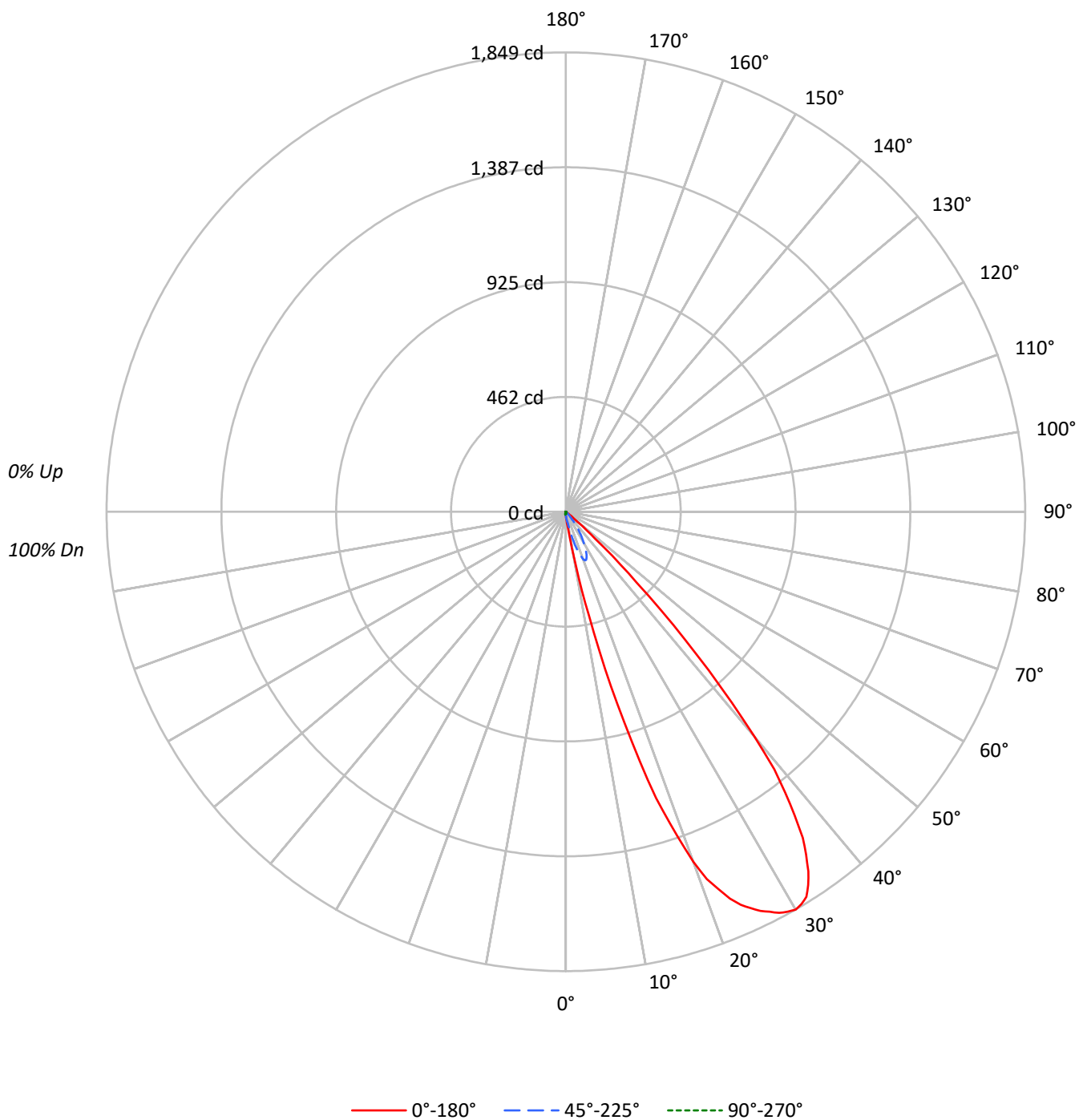
Lumens per Lamp: N/A
Luminaire Lumens: 369.9 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50		
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3487	3487	3487	3487	3487
5°	8739	6449	3258	1673	1299
10°	38209	11000	2694	779	534
15°	181658	29626	1884	318	227
20°	349704	47441	1213	70	70
25°	425879	47858	677	0	0
30°	468249	36613	253	0	0
35°	451249	23289	80	0	0
40°	337175	10076	0	0	86
45°	124819	2667	93	93	310
50°	14737	341	239	239	478
55°	1453	0	268	382	650
60°	132	0	439	614	746
65°	156	156	726	882	1090
70°	192	192	898	898	1346
75°	254	254	847	847	1186
80°	0	379	1263	884	1263
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 124819 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.6
10°-20°	43.1	11.7
20°-30°	135.4	36.6
30°-40°	142.5	38.5
40°-50°	41.9	11.3
50°-60°	2.2	0.6
60°-70°	1.1	0.3
70°-80°	0.9	0.2
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°	180.8	48.9
0°-40°	323.4	87.4
0°-60°	367.5	99.3
0°-90°	369.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	369.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	16	16	16	16	16	
5°	40	29	15	8	6	7
15°	800	130	8	1	1	252
25°	1760	198	3	0	0	807
35°	1686	87	0	0	0	1017
45°	402	9	0	0	1	366
55°	4	0	1	1	2	10
65°	0	0	1	2	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
2.5°	24.5	24.9	23.8	24.5	23.8	23.5	23.1	21.4	18.6	15.9	13.1
5°	39.7	39.7	38.0	37.6	36.9	35.6	34.2	29.3	21.1	14.8	10.4
7.5°	62.1	61.8	61.1	59.4	55.9	52.5	49.0	38.3	23.1	13.8	7.9
10°	171.6	169.2	166.0	147.4	126.3	107.7	91.5	49.4	24.9	12.1	5.9
12.5°	426.3	412.5	379.7	342.5	294.8	244.8	195.7	80.4	25.5	10.0	4.1
15°	800.2	771.6	720.5	645.9	548.5	439.1	345.9	130.5	24.9	8.3	3.1
17.5°	1208.3	1180.6	1109.9	996.6	853.4	685.3	520.2	173.0	23.1	6.9	2.1
20°	1498.6	1469.2	1403.0	1282.8	1127.8	903.8	684.9	203.3	21.7	5.2	1.0
21°	1583.5	1554.2	1484.1	1368.1	1205.1	980.4	737.7	208.5	20.7	4.5	0.7
22°	1637.4	1620.1	1544.8	1432.3	1266.2	1041.9	782.9	210.9	20.0	4.1	0.7
23°	1691.6	1665.7	1595.2	1476.5	1312.9	1087.4	816.4	209.2	19.3	3.5	0.3
24°	1731.6	1709.8	1628.0	1510.7	1345.3	1115.4	836.1	204.7	18.3	3.1	0.3
25°	1760.2	1740.2	1655.0	1533.8	1367.1	1130.6	842.3	197.8	17.3	2.8	0.3
26°	1787.5	1765.8	1677.4	1547.3	1378.4	1135.4	836.5	190.2	16.2	2.4	0.0
27°	1807.2	1785.1	1692.9	1555.2	1379.1	1129.5	820.6	179.9	15.2	2.1	0.0
28°	1828.3	1802.7	1703.6	1559.7	1375.0	1115.7	797.8	168.8	14.5	1.7	0.0
29°	1841.0	1816.9	1714.7	1564.5	1366.4	1092.6	764.7	155.7	12.8	1.0	0.0
30°	1849.3	1820.7	1713.6	1559.3	1355.0	1067.7	725.0	144.6	11.0	1.0	0.0
31°	1842.4	1812.4	1702.6	1544.8	1336.7	1035.3	684.2	130.8	9.0	0.7	0.0
32°	1827.6	1792.0	1683.3	1519.6	1303.9	993.5	642.1	119.4	6.6	0.7	0.0
33°	1791.3	1761.3	1648.4	1485.8	1261.1	936.9	587.2	108.4	4.5	0.3	0.0
34°	1745.8	1715.7	1600.8	1440.6	1203.8	863.7	520.6	97.0	3.8	0.3	0.0
35°	1685.7	1656.0	1546.9	1377.4	1127.8	775.7	451.9	87.0	3.1	0.3	0.0
36°	1622.5	1583.2	1478.9	1310.1	1026.0	675.6	378.4	75.6	2.4	0.3	0.0
37°	1529.6	1503.1	1387.4	1207.6	915.9	579.6	324.8	65.2	1.7	0.3	0.0
38°	1433.3	1408.8	1295.9	1104.3	793.0	484.7	272.0	55.2	1.4	0.0	0.0
39°	1333.9	1293.2	1181.7	972.1	664.2	406.0	228.9	46.3	0.7	0.0	0.0
40°	1177.9	1146.8	1027.7	813.3	549.6	329.0	195.0	35.2	0.7	0.0	0.0
42.5°	780.9	751.9	626.9	441.2	292.1	192.3	128.8	13.8	0.0	0.3	0.0
45°	402.5	384.2	312.1	230.9	165.7	118.1	82.9	8.6	0.0	0.3	0.3
47.5°	159.8	156.7	141.5	122.2	94.2	70.1	45.2	3.8	0.0	0.3	0.3
50°	43.2	43.5	40.7	37.6	34.2	32.1	19.0	1.0	0.0	0.7	0.3
52.5°	18.3	18.6	18.0	16.9	15.2	11.4	7.6	0.3	0.3	0.7	0.7
55°	3.8	4.1	4.5	4.8	5.5	4.8	3.1	0.0	0.3	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.0	1.0	0.7	0.0	0.3	0.7	1.0
60°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.7	1.0	1.0
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.0	1.4
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.4	1.4
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.4	1.4
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.4	1.4
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.4	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7	1.0	0.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	1.0	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	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):

	135°	157.5°	180°
0°	15.9	15.9	15.9
2.5°	11.0	10.0	9.7
5°	7.6	6.6	5.9
7.5°	5.2	4.1	3.8
10°	3.5	2.8	2.4
12.5°	2.4	1.4	1.4
15°	1.4	1.0	1.0
17.5°	0.7	0.3	0.3
20°	0.3	0.3	0.3
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.3
39°	0.0	0.3	0.3
40°	0.0	0.3	0.3
42.5°	0.0	0.3	0.7
45°	0.3	0.7	1.0
47.5°	0.7	1.0	1.4
50°	0.7	1.4	1.4
52.5°	1.0	1.4	1.7
55°	1.0	1.7	1.7
57.5°	1.4	1.7	2.1
60°	1.4	1.7	1.7
62.5°	1.4	2.1	2.1
65°	1.7	2.1	2.1
67.5°	1.7	2.1	2.1
70°	1.4	1.7	2.1
72.5°	1.4	1.7	1.7
75°	1.0	1.4	1.4
77.5°	1.0	1.0	1.4
80°	0.7	1.0	1.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
85°	0.3	0.3	0.3
87.5°	0.3	0.3	0.3
90°	0.0	0.0	0.0

(END OF REPORT)