

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: P1337475

Luminaire Tested: P3A05R259830DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337475
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: P3A05R259830DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

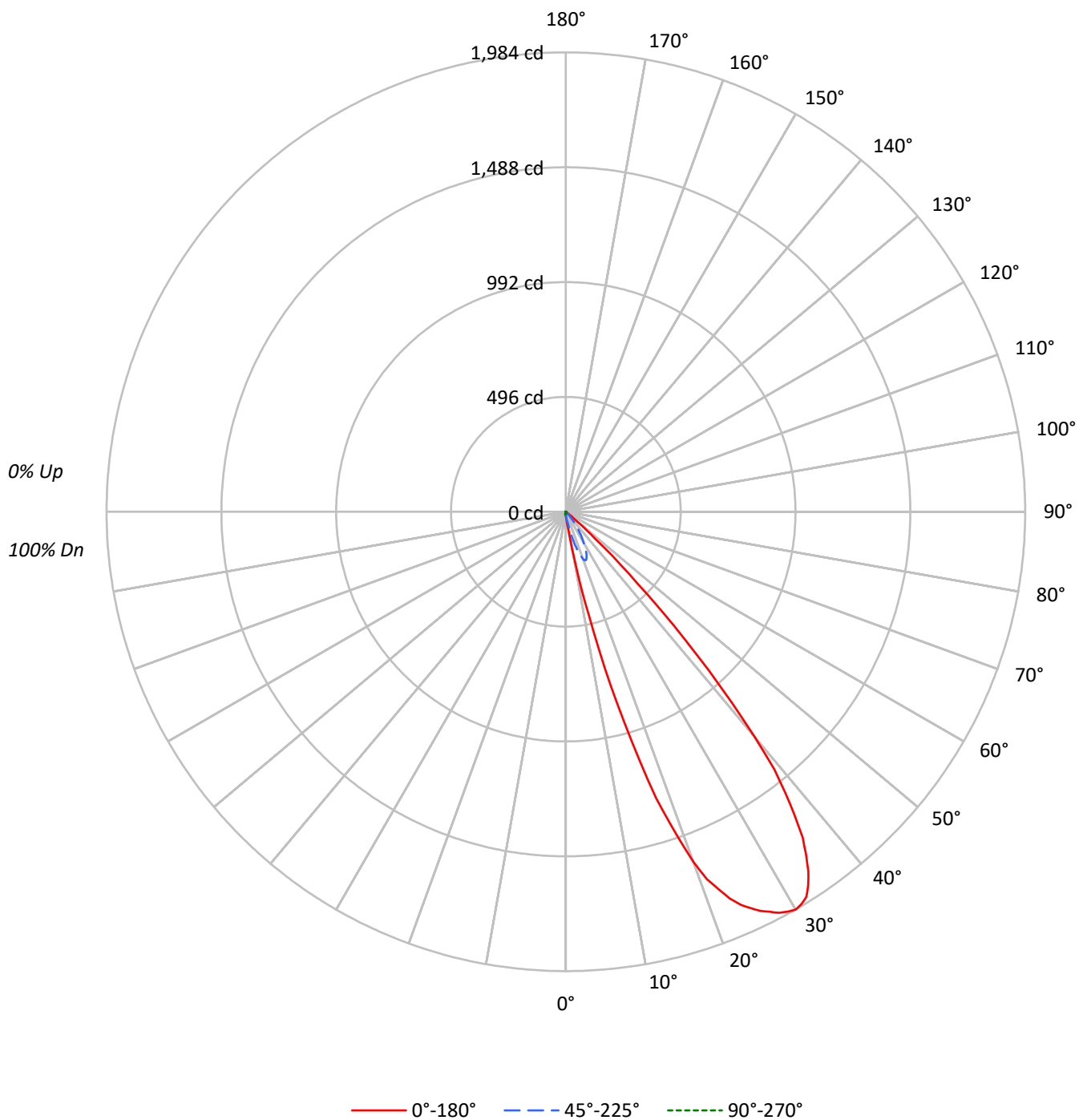
Lumens per Lamp: N/A
Luminaire Lumens: 397.0 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60
8	71	60	52	48	70	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3728	3728	3728	3728	3728
5°	9377	6934	3500	1783	1387
10°	40992	11801	2895	824	579
15°	194916	31782	2020	341	250
20°	375209	50918	1307	93	93
25°	456970	51342	726	0	0
30°	502432	39297	279	0	0
35°	484175	24976	107	0	0
40°	361764	10820	0	0	115
45°	133936	2884	124	124	341
50°	15795	375	239	239	512
55°	1567	0	268	421	726
60°	175	0	482	658	833
65°	208	208	778	986	1141
70°	256	256	962	962	1410
75°	339	339	932	932	1271
80°	0	505	1389	884	1389
85°	0	1006	2768	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 133936 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.6
10°-20°	46.3	11.7
20°-30°	145.3	36.6
30°-40°	152.9	38.5
40°-50°	44.9	11.3
50°-60°	2.4	0.6
60°-70°	1.2	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°	194.0	48.9
0°-40°	347.0	87.4
0°-60°	394.3	99.3
0°-90°	397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	397.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	43	32	16	8	6	8
15°	859	140	9	2	1	271
25°	1889	212	3	0	0	866
35°	1809	93	0	0	0	1091
45°	432	9	0	0	1	392
55°	4	0	1	1	2	10
65°	0	0	2	2	2	0
75°	0	0	1	1	2	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°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
2.5°	26.3	26.7	25.6	26.3	25.6	25.2	24.8	23.0	20.0	17.0	14.1
5°	42.6	42.6	40.7	40.4	39.6	38.2	36.7	31.5	22.6	15.9	11.1
7.5°	66.7	66.3	65.6	63.7	60.0	56.3	52.6	41.1	24.8	14.8	8.5
10°	184.1	181.5	178.2	158.2	135.6	115.6	98.2	53.0	26.7	13.0	6.3
12.5°	457.5	442.6	407.4	367.4	316.3	262.6	210.0	86.3	27.4	10.7	4.4
15°	858.6	827.9	773.0	693.0	588.6	471.2	371.1	140.0	26.7	8.9	3.3
17.5°	1296.4	1266.8	1190.9	1069.4	915.6	735.3	558.2	185.6	24.8	7.4	2.2
20°	1607.9	1576.4	1505.3	1376.4	1210.1	969.7	734.9	218.2	23.3	5.6	1.1
21°	1699.1	1667.6	1592.4	1467.9	1293.1	1052.0	791.6	223.7	22.2	4.8	0.7
22°	1756.8	1738.3	1657.6	1536.8	1358.6	1117.9	840.1	226.3	21.5	4.4	0.7
23°	1815.0	1787.2	1711.6	1584.2	1408.7	1166.8	876.0	224.5	20.7	3.7	0.4
24°	1858.0	1834.6	1746.8	1620.9	1443.5	1196.8	897.1	219.7	19.6	3.3	0.4
25°	1888.7	1867.2	1775.7	1645.7	1466.8	1213.1	903.8	212.2	18.5	3.0	0.4
26°	1918.0	1894.6	1799.8	1660.2	1479.0	1218.3	897.5	204.1	17.4	2.6	0.0
27°	1939.1	1915.4	1816.5	1668.7	1479.8	1212.0	880.5	193.0	16.3	2.2	0.0
28°	1961.7	1934.3	1828.0	1673.5	1475.3	1197.2	856.0	181.1	15.6	1.9	0.0
29°	1975.4	1949.4	1839.8	1678.7	1466.1	1172.3	820.4	167.1	13.7	1.1	0.0
30°	1984.3	1953.5	1838.7	1673.1	1453.8	1145.7	777.9	155.2	11.9	1.1	0.0
31°	1976.9	1944.6	1826.8	1657.6	1434.2	1110.8	734.1	140.4	9.6	0.7	0.0
32°	1960.9	1922.8	1806.1	1630.5	1399.0	1066.0	689.0	128.2	7.0	0.7	0.0
33°	1922.0	1889.8	1768.7	1594.2	1353.1	1005.3	630.1	116.3	4.8	0.4	0.0
34°	1873.1	1840.9	1717.6	1545.7	1291.6	926.8	558.6	104.1	4.1	0.4	0.0
35°	1808.7	1776.8	1659.8	1477.9	1210.1	832.3	484.9	93.3	3.3	0.4	0.0
36°	1740.9	1698.7	1586.8	1405.7	1100.8	724.9	406.0	81.1	2.6	0.4	0.0
37°	1641.3	1612.7	1488.7	1295.7	982.7	621.9	348.6	70.0	1.9	0.4	0.0
38°	1537.9	1511.6	1390.5	1184.9	850.8	520.1	291.9	59.3	1.5	0.0	0.0
39°	1431.2	1387.5	1267.9	1043.1	712.7	435.6	245.6	49.6	0.7	0.0	0.0
40°	1263.8	1230.5	1102.7	872.7	589.7	353.0	209.3	37.8	0.7	0.0	0.0
42.5°	837.9	806.7	672.7	473.4	313.4	206.3	138.2	14.8	0.0	0.4	0.0
45°	431.9	412.3	334.8	247.8	177.8	126.7	88.9	9.3	0.0	0.4	0.4
47.5°	171.5	168.2	151.9	131.1	101.1	75.2	48.5	4.1	0.0	0.4	0.4
50°	46.3	46.7	43.7	40.4	36.7	34.4	20.4	1.1	0.0	0.7	0.4
52.5°	19.6	20.0	19.3	18.1	16.3	12.2	8.1	0.4	0.4	0.7	0.7
55°	4.1	4.4	4.8	5.2	5.9	5.2	3.3	0.0	0.4	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	1.1	1.1	0.7	0.0	0.4	0.7	1.1
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.7	1.1	1.1
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.1	1.5
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.5	1.5
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.5
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.5
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.5	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7	1.1	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	0.4	0.4	0.7	1.1	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	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°	17.0	17.0	17.0
2.5°	11.9	10.7	10.4
5°	8.1	7.0	6.3
7.5°	5.6	4.4	4.1
10°	3.7	3.0	2.6
12.5°	2.6	1.5	1.5
15°	1.5	1.1	1.1
17.5°	0.7	0.4	0.4
20°	0.4	0.4	0.4
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	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.7
45°	0.4	0.7	1.1
47.5°	0.7	1.1	1.5
50°	0.7	1.5	1.5
52.5°	1.1	1.5	1.9
55°	1.1	1.9	1.9
57.5°	1.5	1.9	2.2
60°	1.5	1.9	1.9
62.5°	1.5	2.2	2.2
65°	1.9	2.2	2.2
67.5°	1.9	2.2	2.2
70°	1.5	1.9	2.2
72.5°	1.5	1.9	1.9
75°	1.1	1.5	1.5
77.5°	1.1	1.1	1.5
80°	0.7	1.1	1.1

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.7	0.7	0.7
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)