

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: P1341513

Luminaire Tested: P3A09R309827DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R309827DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

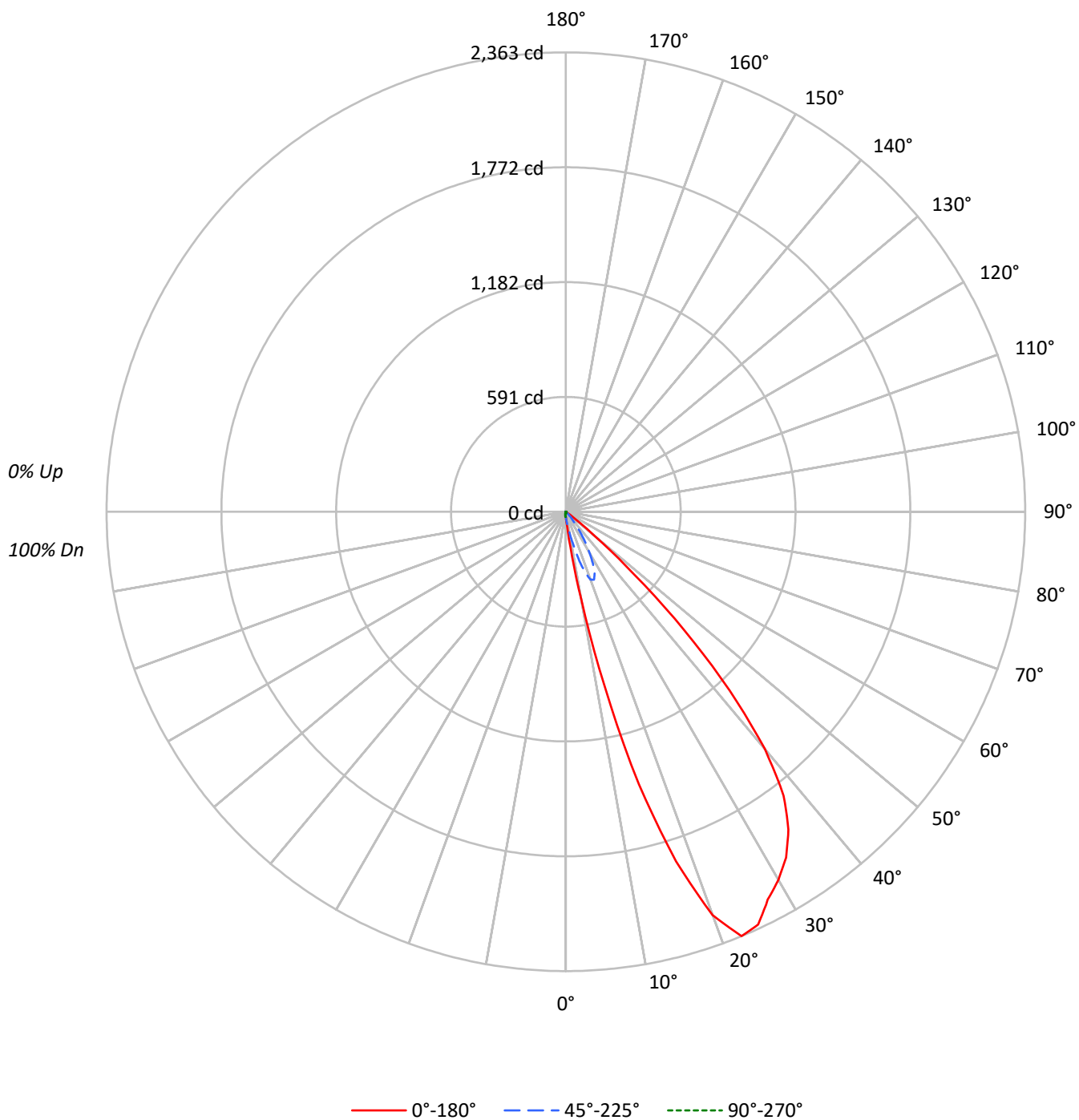
Lumens per Lamp: N/A
Luminaire Lumens: 556.9 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	103	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	64	58	80	70	63	58	68	62	58		67	61	57		65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	55	48	43	65	55	48	43	53	47	43		52	47	43		52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5811	5811	5811	5811	5811
5°	17477	11644	5481	2465	2025
10°	101201	24716	4297	1136	802
15°	329196	56050	2997	227	114
20°	515105	86691	1890	0	0
25°	566718	84731	992	0	0
30°	553503	61098	380	0	0
35°	534233	34746	134	0	0
40°	455596	14713	0	0	0
45°	267377	5520	155	0	155
50°	64953	1058	171	171	512
55°	5658	0	382	573	765
60°	219	0	439	658	1096
65°	259	259	778	778	1297
70°	321	321	962	962	1282
75°	0	424	1271	1271	1271
80°	0	631	1894	1263	1263
85°	0	1258	3774	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 267377 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.9
10°-20°	76.6	13.7
20°-30°	194.5	34.9
30°-40°	193.9	34.8
40°-50°	78.6	14.1
50°-60°	5.4	1.0
60°-70°	1.2	0.2
70°-80°	1.2	0.2
80°-90°	0.7	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°	276.0	49.5
0°-40°	469.9	84.4
0°-60°	553.8	99.4
0°-90°	556.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	556.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	79	53	25	11	9	18
15°	1450	247	13	1	0	422
25°	2342	350	4	0	0	1058
35°	1996	130	0	0	0	1223
45°	862	18	0	0	0	658
55°	15	0	1	2	2	39
65°	0	0	2	2	2	0
75°	0	0	2	2	2	0
85°	0	0	2	0	0	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°	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
2.5°	43.8	44.3	44.3	43.3	42.8	42.8	41.2	40.7	39.2	37.7	32.6
5°	79.4	77.9	75.8	75.8	71.3	68.7	65.1	61.1	58.0	52.9	37.7
7.5°	180.2	168.0	164.4	159.8	142.5	128.8	113.0	99.2	86.5	75.8	41.7
10°	454.5	430.6	410.7	370.5	320.1	271.8	227.0	175.1	139.5	111.0	44.8
12.5°	915.6	883.6	845.4	772.1	677.9	557.3	450.4	336.4	236.2	163.4	45.8
15°	1450.1	1395.6	1336.0	1242.9	1088.7	915.6	722.7	541.0	379.2	246.9	44.8
17.5°	1885.7	1864.4	1776.3	1649.1	1460.2	1237.3	999.6	751.2	511.5	323.2	41.7
20°	2207.4	2192.6	2086.3	1950.9	1738.1	1482.6	1180.8	882.6	603.6	371.5	37.2
22.5°	2362.6	2360.1	2283.2	2144.8	1919.3	1629.7	1297.4	958.4	632.1	378.2	31.0
25°	2342.3	2351.4	2307.7	2204.9	1988.5	1690.3	1332.0	958.4	611.3	350.2	26.0
27.5°	2249.6	2255.8	2228.3	2149.4	1947.8	1646.5	1283.6	896.8	550.7	300.8	21.4
30°	2186.0	2188.6	2154.5	2070.0	1856.2	1546.8	1169.6	782.8	459.1	241.3	15.8
32.5°	2108.7	2108.2	2068.5	1971.8	1736.1	1406.8	1025.1	646.9	352.7	183.2	9.2
35°	1995.7	1982.9	1929.0	1817.5	1556.9	1218.5	840.3	492.7	254.0	129.8	5.6
37.5°	1840.4	1807.4	1731.0	1581.9	1305.5	955.3	623.0	346.1	173.6	86.0	3.6
40°	1591.6	1556.4	1452.6	1271.4	987.4	687.6	419.9	225.5	109.4	51.4	2.0
42.5°	1248.0	1224.1	1084.1	903.4	652.0	438.7	252.4	133.4	61.6	29.5	0.5
45°	862.2	831.1	721.2	568.0	391.4	243.3	141.5	69.7	35.1	17.8	0.0
47.5°	475.9	437.7	374.1	294.2	197.0	127.8	71.3	37.7	19.8	8.7	0.0
50°	190.4	188.8	150.1	106.9	75.3	58.0	35.6	20.4	10.2	3.1	0.5
52.5°	66.7	66.7	57.5	46.8	36.6	26.5	17.8	9.7	3.6	1.0	0.5
55°	14.8	16.3	15.3	14.3	13.7	11.7	7.6	3.6	1.0	0.0	0.5
57.5°	1.5	1.5	1.5	2.0	2.5	2.5	2.0	1.0	0.0	0.0	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0
62.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	1.0
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
75°	0.0	0.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
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°	26.5	26.5	26.5	26.5	26.5
2.5°	26.5	20.9	17.3	15.3	14.8
5°	24.9	15.8	11.2	9.7	9.2
7.5°	22.4	11.7	7.6	6.1	5.6
10°	19.3	8.7	5.1	3.6	3.6
12.5°	16.3	6.6	3.1	1.5	1.0
15°	13.2	4.1	1.0	0.5	0.5
17.5°	10.2	2.5	0.0	0.0	0.0
20°	8.1	1.0	0.0	0.0	0.0
22.5°	6.1	0.5	0.0	0.0	0.0
25°	4.1	0.0	0.0	0.0	0.0
27.5°	2.5	0.0	0.0	0.0	0.0
30°	1.5	0.0	0.0	0.0	0.0
32.5°	0.5	0.0	0.0	0.0	0.0
35°	0.5	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.5	0.0	0.0	0.5	0.5
47.5°	0.5	0.5	0.5	1.0	1.0
50°	0.5	0.5	0.5	1.0	1.5
52.5°	1.0	0.5	1.0	1.5	1.5
55°	1.0	1.0	1.5	2.0	2.0
57.5°	1.0	1.0	1.5	2.0	2.0
60°	1.0	1.0	1.5	2.0	2.5
62.5°	1.5	1.5	1.5	2.0	2.0
65°	1.5	1.5	1.5	2.0	2.5
67.5°	1.5	1.5	1.5	2.0	2.5
70°	1.5	1.5	1.5	2.0	2.0
72.5°	2.0	1.5	1.5	2.0	2.0
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.0	1.5	1.5
80°	1.5	1.0	1.0	1.0	1.0
82.5°	1.5	1.0	1.0	1.0	1.0
85°	1.5	1.0	0.5	0.5	0.5
87.5°	1.5	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)