

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: P1341881

Luminaire Tested: P3A09R359030D2WDE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341881
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: P3A09R359030D2WDE010 E3CA301MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

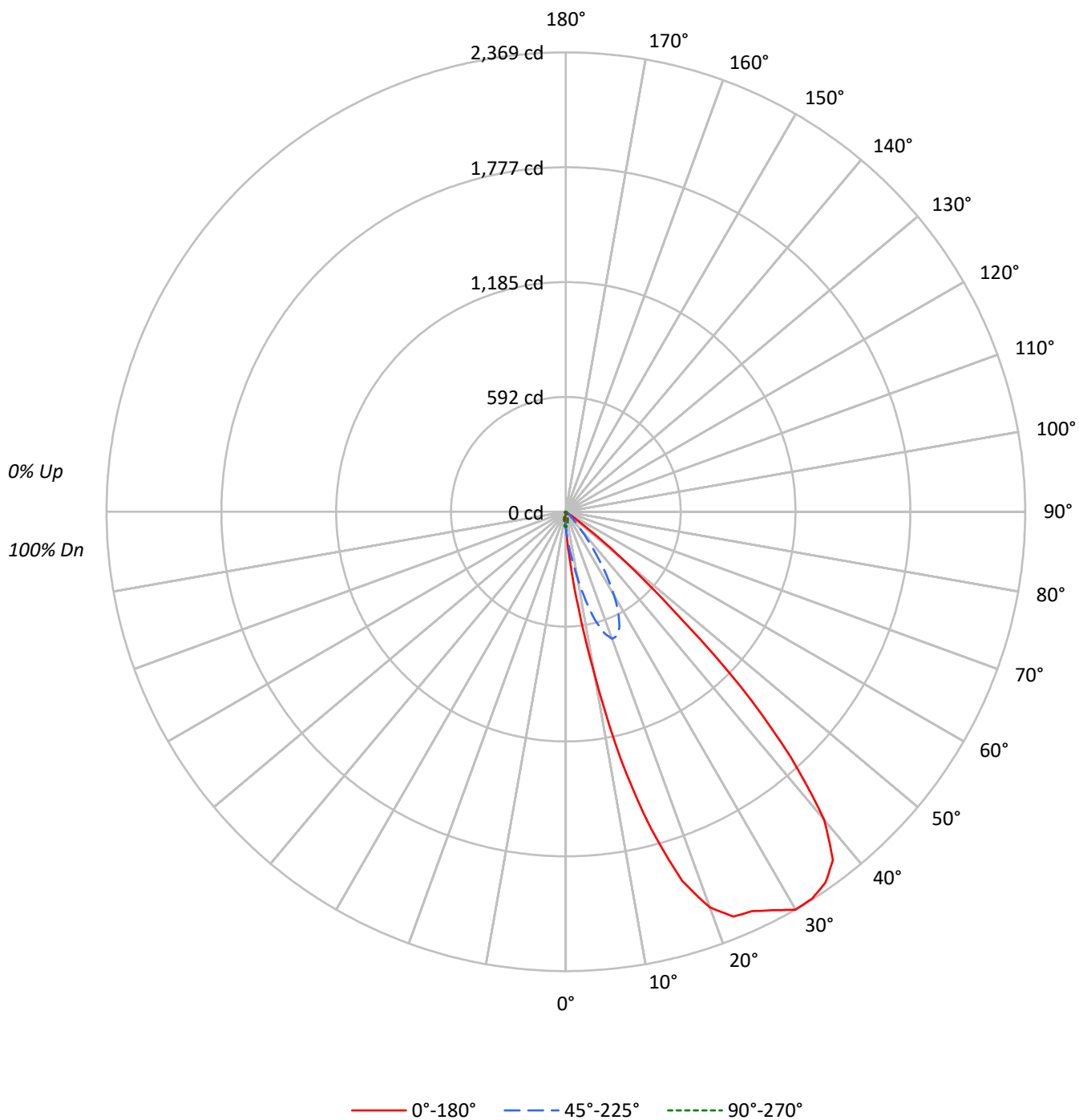
Lumens per Lamp: N/A
Luminaire Lumens: 745.0 lumens
Efficiency: N/A
Efficacy: 50.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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

TEST NUMBER: P1341881

CATALOG NUMBER: P3A09R359030D2WDE010 E3CA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1341881

CATALOG NUMBER: P3A09R359030D2WDE010 E3CA301MW

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°	17148	17148	17148	17148	17148
5°	58441	37970	16047	6780	4997
10°	188062	76975	12647	2538	1648
15°	383180	130557	8967	908	613
20°	506727	162601	5764	303	303
25°	549806	158090	3242	169	315
30°	599763	125994	1367	177	329
35°	624954	78407	348	187	348
40°	593054	34264	200	372	573
45°	395917	13676	217	620	1023
50°	132772	2286	443	921	1365
55°	7417	268	497	1262	1797
60°	570	307	877	1447	2061
65°	675	363	1038	1712	2439
70°	449	449	1282	2116	2565
75°	593	593	1694	2288	2796
80°	0	884	2526	2526	2526
85°	0	1761	5032	1761	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 395917 cd/sqm

TEST NUMBER: P1341881

CATALOG NUMBER: P3A09R359030D2WDE010 E3CA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	1.8
10°-20°	107.0	14.4
20°-30°	225.8	30.3
30°-40°	256.2	34.4
40°-50°	126.1	16.9
50°-60°	10.9	1.5
60°-70°	2.2	0.3
70°-80°	2.1	0.3
80°-90°	1.0	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°	346.4	46.5
0°-40°	602.7	80.9
0°-60°	739.7	99.3
0°-90°	745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	745.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	78	78	78	78	78	
5°	266	172	73	31	23	44
15°	1688	575	40	4	3	480
25°	2272	653	13	1	1	1057
35°	2335	293	1	1	1	1439
45°	1277	44	1	2	3	943
55°	19	1	1	3	5	76
65°	1	1	2	3	5	1
75°	1	1	2	3	3	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1341881

CATALOG NUMBER: P3A09R359030D2WDE010 E3CA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2.5°	135.8	139.1	137.8	137.1	136.4	133.8	127.7	127.1	121.0	117.0	97.0
5°	265.5	260.1	261.5	254.1	244.8	231.4	222.7	204.0	188.6	172.5	113.0
7.5°	500.2	492.9	478.8	457.4	435.4	406.6	363.1	328.4	288.2	250.1	125.7
10°	844.6	840.6	822.6	767.7	719.6	642.7	570.5	494.2	419.3	345.7	134.4
12.5°	1304.7	1277.3	1244.6	1171.7	1076.7	980.4	838.0	706.2	586.5	463.4	135.1
15°	1687.9	1670.6	1624.4	1529.5	1415.1	1276.0	1106.8	929.6	749.0	575.1	128.4
17.5°	1996.2	1969.5	1910.0	1817.0	1685.3	1504.7	1306.8	1090.7	870.7	654.7	117.0
20°	2171.5	2157.4	2111.9	2019.0	1875.2	1677.9	1452.5	1201.1	947.0	696.8	102.3
22.5°	2259.7	2249.7	2216.3	2142.0	2007.6	1809.0	1550.9	1258.6	969.0	692.2	86.9
25°	2272.4	2269.8	2241.0	2184.8	2072.5	1875.9	1593.7	1269.3	951.0	653.4	72.2
27.5°	2316.6	2307.2	2273.1	2216.9	2103.9	1887.2	1578.9	1232.5	892.8	585.2	60.2
30°	2368.7	2362.1	2327.9	2269.8	2136.0	1876.5	1526.8	1150.9	799.8	497.6	44.8
32.5°	2364.7	2362.1	2333.3	2271.8	2113.3	1813.7	1433.8	1028.6	673.4	392.6	28.1
35°	2334.6	2325.3	2289.2	2194.2	1983.5	1651.8	1257.3	862.7	533.0	292.9	18.1
37.5°	2262.4	2242.3	2181.5	2020.3	1751.5	1402.4	1023.9	666.1	377.2	195.9	11.4
40°	2071.8	2046.4	1924.0	1729.4	1447.9	1104.8	761.7	458.1	248.8	119.7	4.7
42.5°	1718.7	1667.2	1544.8	1344.9	1080.7	781.1	500.2	296.9	146.5	72.2	1.3
45°	1276.7	1237.2	1108.8	927.6	708.2	500.9	302.9	160.5	80.9	44.1	0.7
47.5°	743.7	719.6	653.4	534.3	391.2	262.8	155.2	86.3	47.5	21.4	0.7
50°	389.2	359.1	309.0	234.1	172.5	121.0	75.6	46.1	23.4	6.7	0.7
52.5°	136.4	134.4	122.4	92.3	74.9	54.2	36.8	20.1	6.7	1.3	0.7
55°	19.4	19.4	18.1	20.1	21.4	19.4	12.7	5.4	1.3	0.7	0.7
57.5°	1.3	1.3	1.3	2.0	2.7	2.7	2.0	0.7	0.7	0.7	1.3
60°	1.3	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
62.5°	1.3	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
65°	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
77.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1341881

CATALOG NUMBER: P3A09R359030D2WDE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	78.2	78.2	78.2	78.2	78.2
2.5°	77.6	62.2	49.5	43.5	41.5
5°	72.9	46.8	30.8	24.1	22.7
7.5°	64.9	33.4	18.7	13.4	12.7
10°	56.8	24.1	11.4	8.0	7.4
12.5°	47.5	16.7	7.4	4.7	4.0
15°	39.5	11.4	4.0	3.3	2.7
17.5°	31.4	7.4	2.7	2.0	2.7
20°	24.7	4.7	1.3	1.3	1.3
22.5°	18.7	2.7	1.3	1.3	1.3
25°	13.4	1.3	0.7	0.7	1.3
27.5°	9.4	0.7	0.7	0.7	1.3
30°	5.4	0.7	0.7	0.7	1.3
32.5°	2.7	0.7	0.7	1.3	1.3
35°	1.3	0.7	0.7	1.3	1.3
37.5°	0.7	0.7	0.7	1.3	2.0
40°	0.7	0.7	1.3	2.0	2.0
42.5°	0.7	0.7	1.3	2.0	2.7
45°	0.7	1.3	2.0	2.7	3.3
47.5°	1.3	1.3	2.7	3.3	4.0
50°	1.3	2.0	2.7	4.0	4.0
52.5°	1.3	2.0	3.3	4.0	4.7
55°	1.3	2.7	3.3	4.7	4.7
57.5°	2.0	2.7	3.3	4.7	4.7
60°	2.0	2.7	3.3	4.7	4.7
62.5°	2.0	2.7	3.3	4.7	4.7
65°	2.0	2.7	3.3	4.7	4.7
67.5°	2.0	2.7	3.3	4.0	4.7
70°	2.0	2.7	3.3	4.0	4.0
72.5°	2.7	2.7	3.3	4.0	4.0
75°	2.0	2.7	2.7	3.3	3.3
77.5°	2.0	2.0	2.0	2.7	2.7
80°	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	1.3	1.3	2.0	2.0
85°	2.0	1.3	0.7	1.3	1.3
87.5°	1.3	1.3	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)