

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: P1341874

Luminaire Tested: P3A09R359030D2WDE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341874
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 E3A301WMH
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

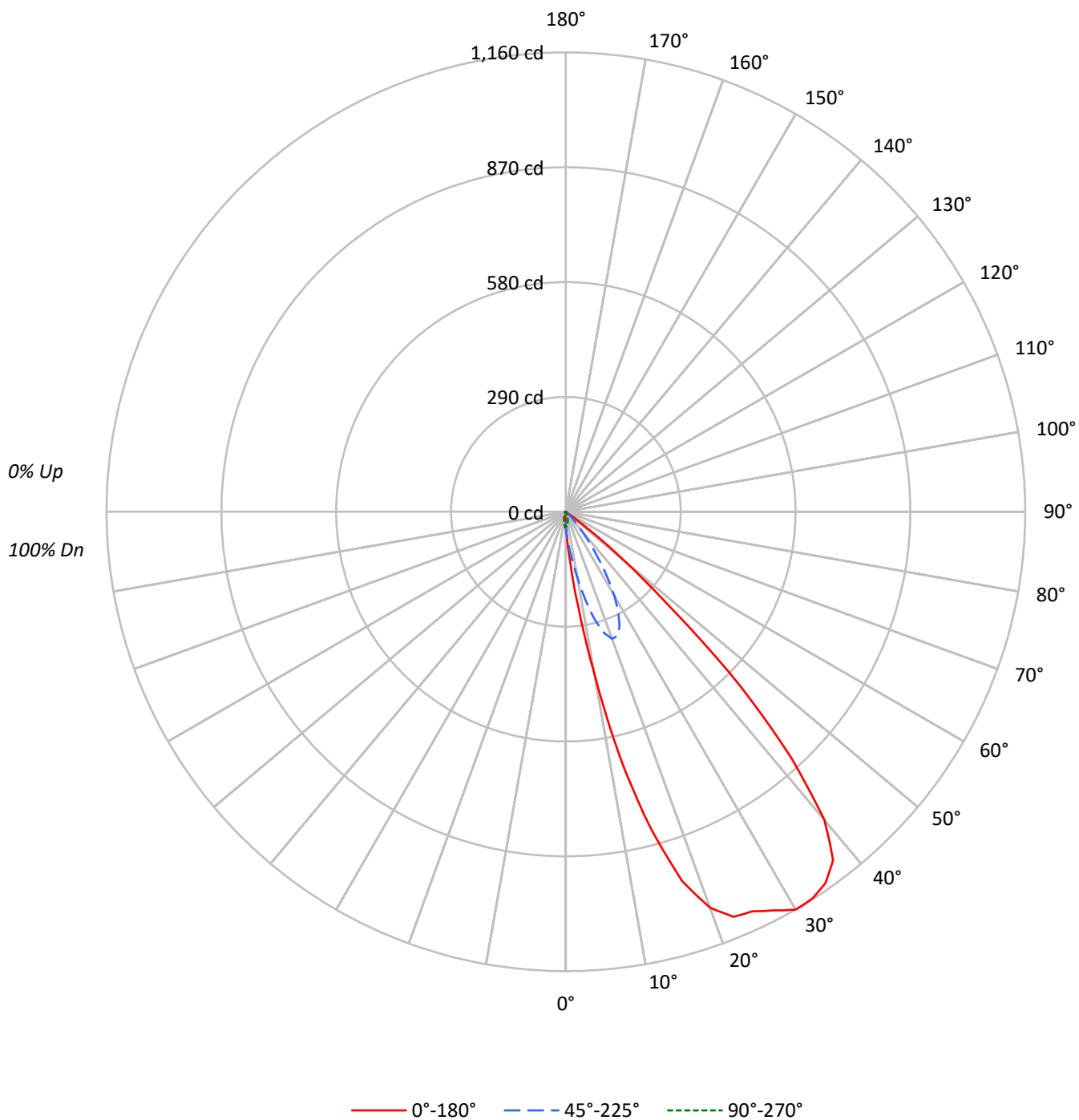
Lumens per Lamp: N/A
Luminaire Lumens: 365.0 lumens
Efficiency: N/A
Efficacy: 24.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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°	8398	8398	8398	8398	8398
5°	28637	18600	7858	3324	2443
10°	92138	37719	6190	1247	802
15°	187742	63973	4381	454	295
20°	248265	79667	2824	163	163
25°	269362	77448	1597	73	169
30°	293843	61731	658	76	177
35°	306186	38414	187	80	187
40°	290573	16774	86	200	286
45°	193974	6698	93	310	496
50°	65055	1126	239	443	682
55°	3632	115	268	612	879
60°	307	132	439	702	1009
65°	363	156	519	830	1193
70°	192	192	641	1026	1282
75°	254	254	847	1101	1356
80°	0	379	1263	1263	1263
85°	0	755	2516	755	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 193974 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	1.8
10°-20°	52.4	14.4
20°-30°	110.6	30.3
30°-40°	125.5	34.4
40°-50°	61.8	16.9
50°-60°	5.4	1.5
60°-70°	1.1	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°	169.7	46.5
0°-40°	295.3	80.9
0°-60°	362.4	99.3
0°-90°	365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	365.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	38	38	38	38	38	
5°	130	84	36	15	11	21
15°	827	282	19	2	1	235
25°	1113	320	7	0	1	518
35°	1144	144	1	0	1	705
45°	626	22	0	1	2	462
55°	10	0	1	2	2	37
65°	1	0	1	2	2	1
75°	0	0	1	1	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°	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
2.5°	66.5	68.2	67.5	67.2	66.8	65.5	62.6	62.3	59.3	57.3	47.5
5°	130.1	127.5	128.1	124.5	119.9	113.4	109.1	99.9	92.4	84.5	55.4
7.5°	245.1	241.5	234.6	224.1	213.3	199.2	177.9	160.9	141.2	122.5	61.6
10°	413.8	411.9	403.0	376.1	352.5	314.9	279.5	242.1	205.4	169.4	65.9
12.5°	639.2	625.8	609.8	574.0	527.5	480.3	410.5	346.0	287.3	227.1	66.2
15°	827.0	818.5	795.9	749.3	693.3	625.2	542.3	455.4	367.0	281.8	62.9
17.5°	978.0	964.9	935.8	890.2	825.7	737.2	640.2	534.4	426.6	320.8	57.3
20°	1063.9	1057.0	1034.7	989.2	918.7	822.1	711.6	588.5	463.9	341.4	50.1
22.5°	1107.1	1102.2	1085.8	1049.5	983.6	886.3	759.8	616.6	474.8	339.1	42.6
25°	1113.3	1112.0	1097.9	1070.4	1015.4	919.0	780.8	621.9	465.9	320.1	35.4
27.5°	1135.0	1130.4	1113.7	1086.1	1030.8	924.6	773.6	603.9	437.4	286.7	29.5
30°	1160.5	1157.2	1140.5	1112.0	1046.5	919.4	748.0	563.9	391.9	243.8	22.0
32.5°	1158.6	1157.2	1143.2	1113.0	1035.4	888.6	702.5	503.9	329.9	192.3	13.8
35°	1143.8	1139.2	1121.5	1075.0	971.8	809.3	616.0	422.7	261.1	143.5	8.8
37.5°	1108.4	1098.6	1068.8	989.8	858.1	687.1	501.6	326.3	184.8	96.0	5.6
40°	1015.1	1002.6	942.6	847.3	709.4	541.3	373.2	224.4	121.9	58.6	2.3
42.5°	842.1	816.8	756.9	658.9	529.5	382.7	245.1	145.5	71.8	35.4	0.7
45°	625.5	606.1	543.2	454.4	347.0	245.4	148.4	78.6	39.6	21.6	0.3
47.5°	364.3	352.5	320.1	261.8	191.7	128.8	76.0	42.3	23.3	10.5	0.3
50°	190.7	175.9	151.4	114.7	84.5	59.3	37.0	22.6	11.5	3.3	0.3
52.5°	66.8	65.9	60.0	45.2	36.7	26.5	18.0	9.8	3.3	0.7	0.3
55°	9.5	9.5	8.8	9.8	10.5	9.5	6.2	2.6	0.7	0.3	0.3
57.5°	0.7	0.7	0.7	1.0	1.3	1.3	1.0	0.3	0.3	0.3	0.7
60°	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
62.5°	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
65°	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	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):

	90°	112.5°	135°	157.5°	180°
0°	38.3	38.3	38.3	38.3	38.3
2.5°	38.0	30.5	24.2	21.3	20.3
5°	35.7	22.9	15.1	11.8	11.1
7.5°	31.8	16.4	9.2	6.6	6.2
10°	27.8	11.8	5.6	3.9	3.6
12.5°	23.3	8.2	3.6	2.3	2.0
15°	19.3	5.6	2.0	1.6	1.3
17.5°	15.4	3.6	1.3	1.0	1.3
20°	12.1	2.3	0.7	0.7	0.7
22.5°	9.2	1.3	0.7	0.7	0.7
25°	6.6	0.7	0.3	0.3	0.7
27.5°	4.6	0.3	0.3	0.3	0.7
30°	2.6	0.3	0.3	0.3	0.7
32.5°	1.3	0.3	0.3	0.7	0.7
35°	0.7	0.3	0.3	0.7	0.7
37.5°	0.3	0.3	0.3	0.7	1.0
40°	0.3	0.3	0.7	1.0	1.0
42.5°	0.3	0.3	0.7	1.0	1.3
45°	0.3	0.7	1.0	1.3	1.6
47.5°	0.7	0.7	1.3	1.6	2.0
50°	0.7	1.0	1.3	2.0	2.0
52.5°	0.7	1.0	1.6	2.0	2.3
55°	0.7	1.3	1.6	2.3	2.3
57.5°	1.0	1.3	1.6	2.3	2.3
60°	1.0	1.3	1.6	2.3	2.3
62.5°	1.0	1.3	1.6	2.3	2.3
65°	1.0	1.3	1.6	2.3	2.3
67.5°	1.0	1.3	1.6	2.0	2.3
70°	1.0	1.3	1.6	2.0	2.0
72.5°	1.3	1.3	1.6	2.0	2.0
75°	1.0	1.3	1.3	1.6	1.6
77.5°	1.0	1.0	1.0	1.3	1.3
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	0.7	0.7	1.0	1.0
85°	1.0	0.7	0.3	0.7	0.7
87.5°	0.7	0.7	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)