

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: P1341357

Luminaire Tested: P3A09R309030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341357
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: P3A09R309030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

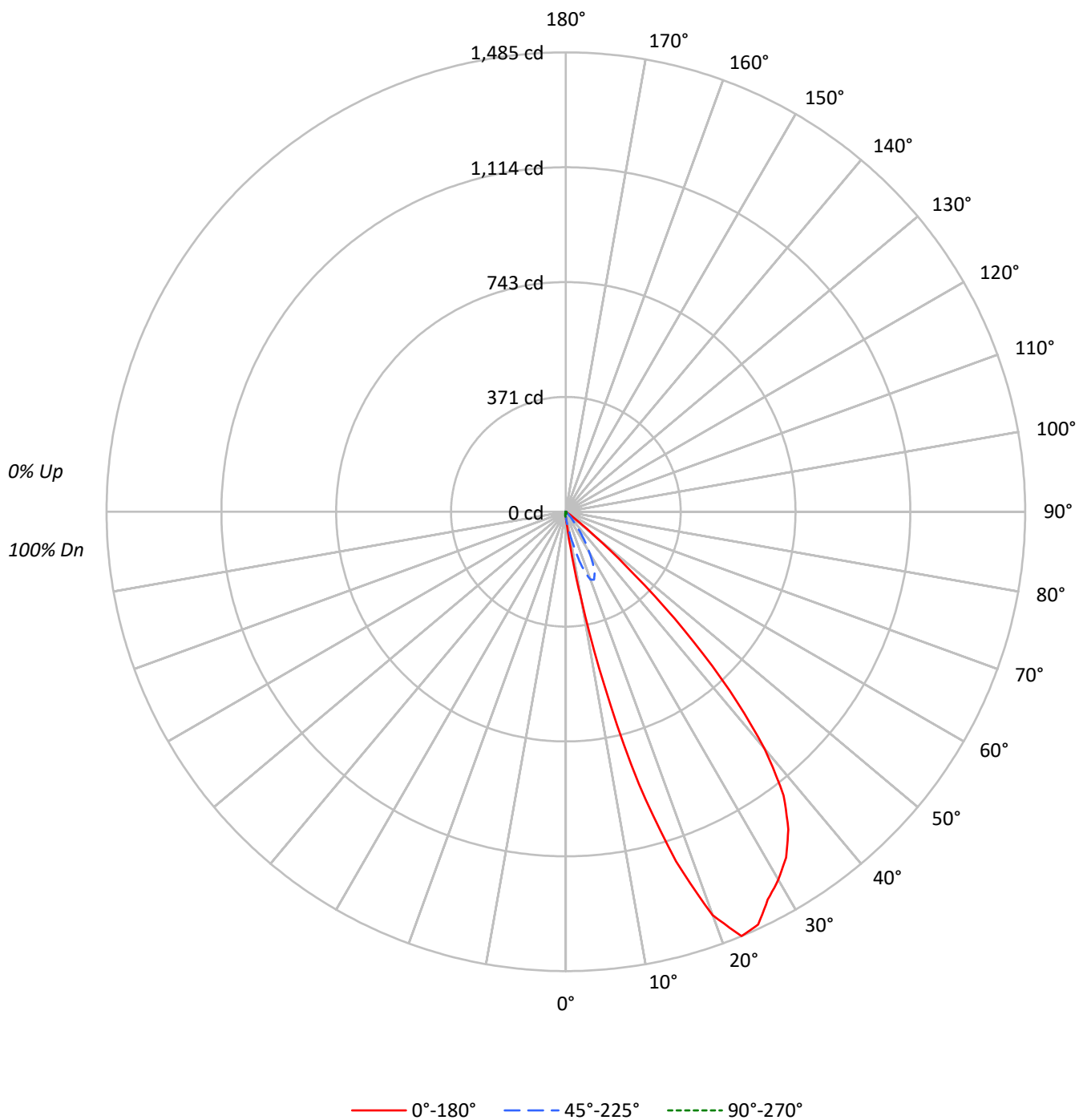
Lumens per Lamp: N/A
Luminaire Lumens: 350.0 lumens
Efficiency: N/A
Efficacy: 23.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3640	3640	3640	3640	3640
5°	10984	7330	3456	1541	1277
10°	63593	15520	2716	713	490
15°	206857	35210	1884	136	68
20°	323685	54488	1190	0	0
25°	356101	53229	629	0	0
30°	347800	38386	253	0	0
35°	335686	21844	80	0	0
40°	286279	9246	0	0	0
45°	168017	3473	93	0	93
50°	40800	648	102	102	341
55°	3555	0	229	382	497
60°	132	0	263	439	702
65°	156	156	519	519	830
70°	192	192	641	641	833
75°	0	254	847	847	847
80°	0	379	1263	758	758
85°	0	755	2516	755	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 168017 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.9
10°-20°	48.1	13.7
20°-30°	122.2	34.9
30°-40°	121.8	34.8
40°-50°	49.4	14.1
50°-60°	3.4	1.0
60°-70°	0.8	0.2
70°-80°	0.8	0.2
80°-90°	0.4	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°	173.4	49.5
0°-40°	295.2	84.4
0°-60°	348.0	99.4
0°-90°	350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	350.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	50	33	16	7	6	12
15°	911	155	8	1	0	265
25°	1472	220	3	0	0	665
35°	1254	82	0	0	0	769
45°	542	11	0	0	0	413
55°	9	0	1	1	1	24
65°	0	0	1	1	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°	35°	40°	45°	67.5°
0°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
2.5°	27.5	27.8	27.8	27.2	26.9	26.9	25.9	25.6	24.6	23.7	20.5
5°	49.9	48.9	47.7	47.7	44.8	43.2	40.9	38.4	36.5	33.3	23.7
7.5°	113.2	105.5	103.3	100.4	89.5	80.9	71.0	62.4	54.4	47.7	26.2
10°	285.6	270.6	258.1	232.8	201.2	170.8	142.6	110.0	87.6	69.7	28.1
12.5°	575.4	555.2	531.2	485.2	426.0	350.2	283.0	211.4	148.4	102.7	28.8
15°	911.2	876.9	839.5	781.0	684.1	575.4	454.1	340.0	238.3	155.1	28.1
17.5°	1184.9	1171.5	1116.2	1036.2	917.6	777.5	628.1	472.1	321.4	203.1	26.2
20°	1387.1	1377.8	1310.9	1225.9	1092.2	931.6	742.0	554.6	379.3	233.5	23.3
22.5°	1484.6	1483.0	1434.7	1347.7	1206.0	1024.1	815.2	602.2	397.2	237.6	19.5
25°	1471.8	1477.6	1450.1	1385.5	1249.5	1062.1	837.0	602.2	384.1	220.0	16.3
27.5°	1413.6	1417.4	1400.2	1350.6	1224.0	1034.6	806.6	563.5	346.0	189.0	13.4
30°	1373.6	1375.2	1353.8	1300.7	1166.4	971.9	734.9	491.9	288.5	151.6	9.9
32.5°	1325.0	1324.7	1299.7	1239.0	1090.9	884.0	644.1	406.5	221.6	115.1	5.8
35°	1254.0	1246.0	1212.1	1142.1	978.3	765.6	528.0	309.6	159.6	81.6	3.5
37.5°	1156.5	1135.7	1087.7	994.0	820.3	600.3	391.5	217.5	109.1	54.0	2.2
40°	1000.1	978.0	912.8	798.9	620.5	432.1	263.9	141.7	68.8	32.3	1.3
42.5°	784.2	769.2	681.2	567.7	409.7	275.7	158.6	83.8	38.7	18.5	0.3
45°	541.8	522.3	453.2	356.9	245.9	152.9	88.9	43.8	22.1	11.2	0.0
47.5°	299.0	275.0	235.1	184.9	123.8	80.3	44.8	23.7	12.5	5.4	0.0
50°	119.6	118.7	94.3	67.2	47.3	36.5	22.4	12.8	6.4	1.9	0.3
52.5°	41.9	41.9	36.1	29.4	23.0	16.6	11.2	6.1	2.2	0.6	0.3
55°	9.3	10.2	9.6	9.0	8.6	7.4	4.8	2.2	0.6	0.0	0.3
57.5°	1.0	1.0	1.0	1.3	1.6	1.6	1.3	0.6	0.0	0.0	0.3
60°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.6
62.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.6
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
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°	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6
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°	16.6	16.6	16.6	16.6	16.6
2.5°	16.6	13.1	10.9	9.6	9.3
5°	15.7	9.9	7.0	6.1	5.8
7.5°	14.1	7.4	4.8	3.8	3.5
10°	12.2	5.4	3.2	2.2	2.2
12.5°	10.2	4.2	1.9	1.0	0.6
15°	8.3	2.6	0.6	0.3	0.3
17.5°	6.4	1.6	0.0	0.0	0.0
20°	5.1	0.6	0.0	0.0	0.0
22.5°	3.8	0.3	0.0	0.0	0.0
25°	2.6	0.0	0.0	0.0	0.0
27.5°	1.6	0.0	0.0	0.0	0.0
30°	1.0	0.0	0.0	0.0	0.0
32.5°	0.3	0.0	0.0	0.0	0.0
35°	0.3	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°	0.3	0.0	0.0	0.3	0.3
47.5°	0.3	0.3	0.3	0.6	0.6
50°	0.3	0.3	0.3	0.6	1.0
52.5°	0.6	0.3	0.6	1.0	1.0
55°	0.6	0.6	1.0	1.3	1.3
57.5°	0.6	0.6	1.0	1.3	1.3
60°	0.6	0.6	1.0	1.3	1.6
62.5°	1.0	1.0	1.0	1.3	1.3
65°	1.0	1.0	1.0	1.3	1.6
67.5°	1.0	1.0	1.0	1.3	1.6
70°	1.0	1.0	1.0	1.3	1.3
72.5°	1.3	1.0	1.0	1.3	1.3
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	0.6	1.0	1.0
80°	1.0	0.6	0.6	0.6	0.6
82.5°	1.0	0.6	0.6	0.6	0.6
85°	1.0	0.6	0.3	0.3	0.3
87.5°	1.0	0.6	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)