

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: P1335305

Luminaire Tested: P3A02R359030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335305
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: P3A02R359030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

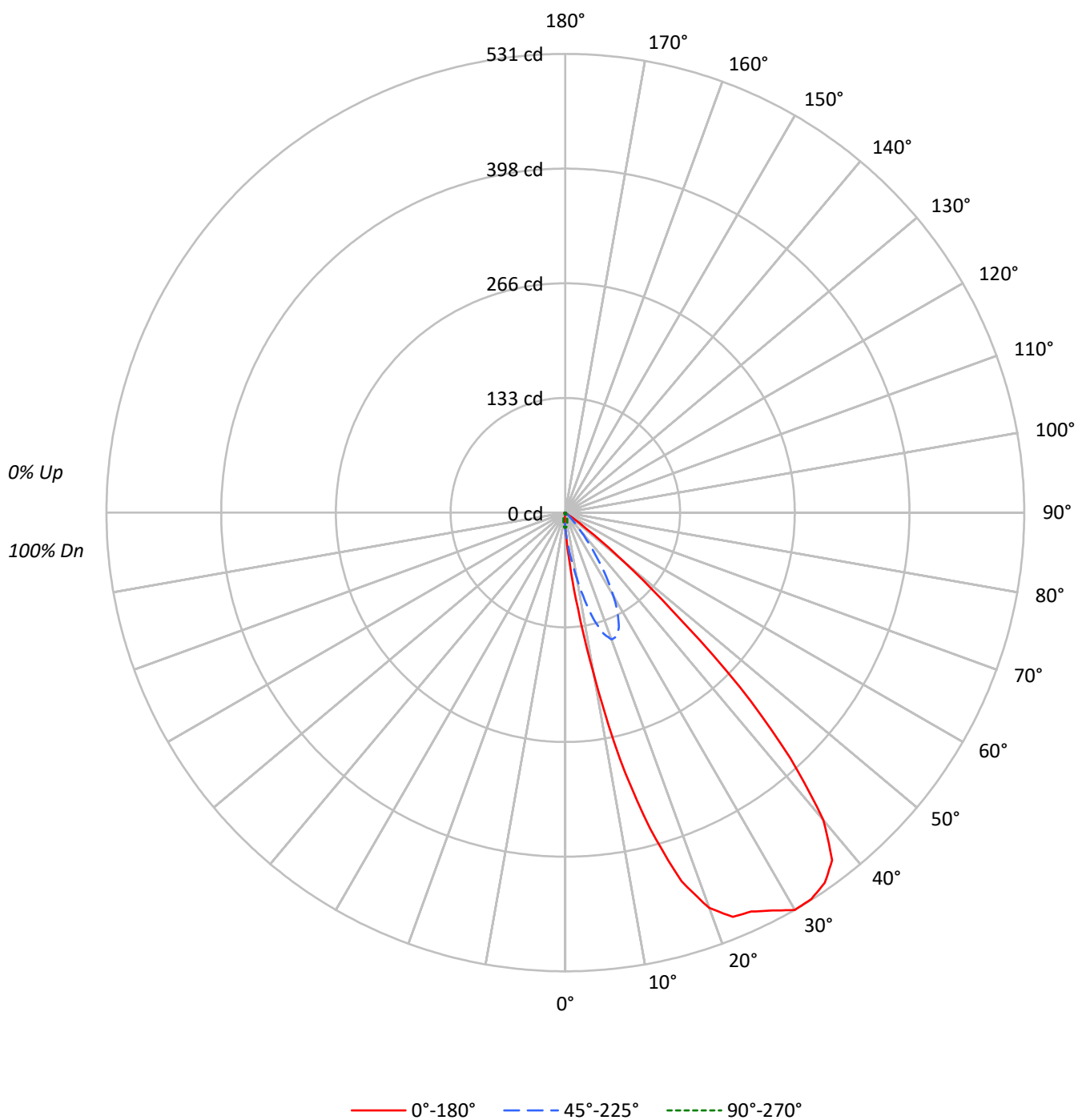
Lumens per Lamp: N/A
Luminaire Lumens: 166.8 lumens
Efficiency: N/A
Efficacy: 23.2 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	84	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	76	76	75
4	93	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	56	56	55
7	76	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3837	3837	3837	3837	3837
5°	13097	8519	3588	1519	1123
10°	42150	17256	2828	557	356
15°	85903	29262	1998	204	136
20°	113597	36450	1283	70	70
25°	123249	35446	726	24	73
30°	134451	28232	304	25	76
35°	140083	17587	80	27	80
40°	132935	7672	29	86	115
45°	88753	3070	31	124	217
50°	29747	512	102	205	307
55°	1644	38	115	268	382
60°	132	44	175	307	439
65°	156	52	208	363	519
70°	64	64	256	449	577
75°	85	85	339	508	593
80°	0	126	505	505	505
85°	0	252	1006	252	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 88753 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	1.8
10°-20°	24.0	14.4
20°-30°	50.6	30.3
30°-40°	57.4	34.4
40°-50°	28.3	16.9
50°-60°	2.4	1.5
60°-70°	0.5	0.3
70°-80°	0.4	0.3
80°-90°	0.2	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°	77.6	46.5
0°-40°	135.1	81.0
0°-60°	165.7	99.3
0°-90°	166.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	166.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	60	39	16	7	5	10
15°	378	129	9	1	1	108
25°	509	146	3	0	0	237
35°	523	66	0	0	0	323
45°	286	10	0	0	1	211
55°	4	0	0	1	1	17
65°	0	0	0	1	1	0
75°	0	0	0	1	1	0
85°	0	0	0	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°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
2.5°	30.4	31.2	30.9	30.7	30.6	30.0	28.6	28.5	27.1	26.2	21.7
5°	59.5	58.3	58.6	57.0	54.9	51.9	49.9	45.7	42.3	38.7	25.3
7.5°	112.1	110.5	107.3	102.5	97.6	91.1	81.4	73.6	64.6	56.1	28.2
10°	189.3	188.4	184.4	172.1	161.3	144.1	127.9	110.8	94.0	77.5	30.1
12.5°	292.5	286.3	279.0	262.6	241.4	219.8	187.8	158.3	131.5	103.9	30.3
15°	378.4	374.5	364.1	342.8	317.2	286.0	248.1	208.4	167.9	128.9	28.8
17.5°	447.5	441.5	428.1	407.3	377.8	337.3	292.9	244.5	195.2	146.8	26.2
20°	486.8	483.6	473.4	452.6	420.3	376.1	325.6	269.2	212.3	156.2	22.9
22.5°	506.5	504.3	496.8	480.2	450.0	405.5	347.6	282.1	217.2	155.2	19.5
25°	509.4	508.8	502.3	489.8	464.6	420.5	357.2	284.5	213.2	146.5	16.2
27.5°	519.3	517.2	509.5	497.0	471.6	423.0	353.9	276.3	200.1	131.2	13.5
30°	531.0	529.5	521.8	508.8	478.8	420.6	342.2	258.0	179.3	111.5	10.0
32.5°	530.1	529.5	523.0	509.2	473.7	406.6	321.4	230.6	151.0	88.0	6.3
35°	523.3	521.2	513.1	491.9	444.6	370.3	281.8	193.4	119.5	65.7	4.0
37.5°	507.1	502.6	489.0	452.9	392.6	314.4	229.5	149.3	84.5	43.9	2.5
40°	464.4	458.7	431.3	387.7	324.6	247.7	170.7	102.7	55.8	26.8	1.0
42.5°	385.3	373.7	346.3	301.5	242.3	175.1	112.1	66.6	32.8	16.2	0.3
45°	286.2	277.3	248.6	207.9	158.8	112.3	67.9	36.0	18.1	9.9	0.1
47.5°	166.7	161.3	146.5	119.8	87.7	58.9	34.8	19.3	10.6	4.8	0.1
50°	87.2	80.5	69.3	52.5	38.7	27.1	16.9	10.3	5.2	1.5	0.1
52.5°	30.6	30.1	27.4	20.7	16.8	12.1	8.2	4.5	1.5	0.3	0.1
55°	4.3	4.3	4.0	4.5	4.8	4.3	2.8	1.2	0.3	0.1	0.1
57.5°	0.3	0.3	0.3	0.4	0.6	0.6	0.4	0.1	0.1	0.1	0.3
60°	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
62.5°	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
65°	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3
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°	17.5	17.5	17.5	17.5	17.5
2.5°	17.4	13.9	11.1	9.7	9.3
5°	16.3	10.5	6.9	5.4	5.1
7.5°	14.5	7.5	4.2	3.0	2.8
10°	12.7	5.4	2.5	1.8	1.6
12.5°	10.6	3.7	1.6	1.0	0.9
15°	8.8	2.5	0.9	0.7	0.6
17.5°	7.0	1.6	0.6	0.4	0.6
20°	5.5	1.0	0.3	0.3	0.3
22.5°	4.2	0.6	0.3	0.3	0.3
25°	3.0	0.3	0.1	0.1	0.3
27.5°	2.1	0.1	0.1	0.1	0.3
30°	1.2	0.1	0.1	0.1	0.3
32.5°	0.6	0.1	0.1	0.3	0.3
35°	0.3	0.1	0.1	0.3	0.3
37.5°	0.1	0.1	0.1	0.3	0.4
40°	0.1	0.1	0.3	0.4	0.4
42.5°	0.1	0.1	0.3	0.4	0.6
45°	0.1	0.3	0.4	0.6	0.7
47.5°	0.3	0.3	0.6	0.7	0.9
50°	0.3	0.4	0.6	0.9	0.9
52.5°	0.3	0.4	0.7	0.9	1.0
55°	0.3	0.6	0.7	1.0	1.0
57.5°	0.4	0.6	0.7	1.0	1.0
60°	0.4	0.6	0.7	1.0	1.0
62.5°	0.4	0.6	0.7	1.0	1.0
65°	0.4	0.6	0.7	1.0	1.0
67.5°	0.4	0.6	0.7	0.9	1.0
70°	0.4	0.6	0.7	0.9	0.9
72.5°	0.6	0.6	0.7	0.9	0.9
75°	0.4	0.6	0.6	0.7	0.7
77.5°	0.4	0.4	0.4	0.6	0.6
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.3	0.3	0.4	0.4
85°	0.4	0.3	0.1	0.3	0.3
87.5°	0.3	0.3	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)