

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: P1338468

Luminaire Tested: P3A05R359827DE010 E3A301H

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338468
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: P3A05R359827DE010 E3A301H
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3A301H TRIM
Light Source: -
Ballast/Driver: -

Summary

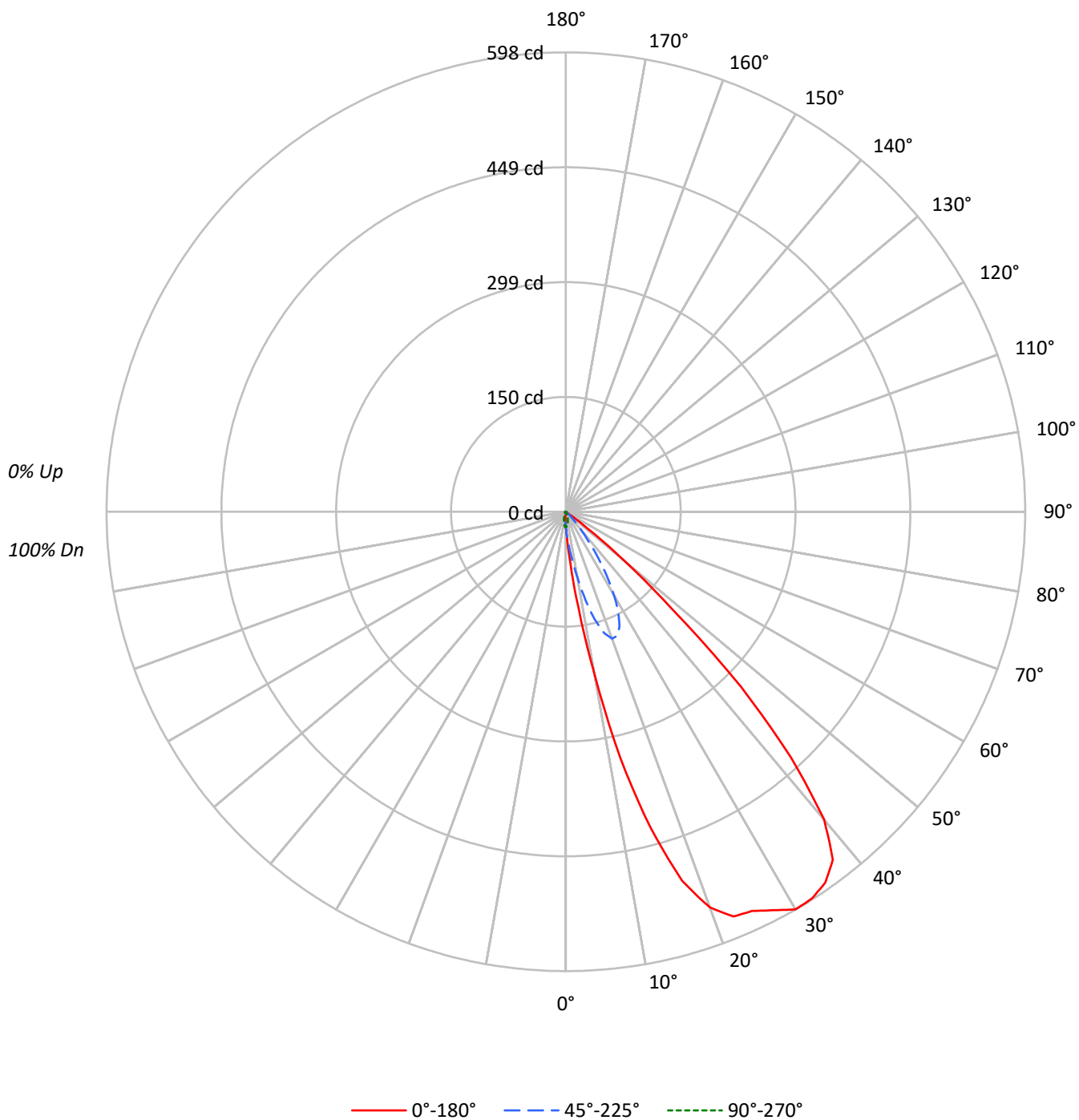
Lumens per Lamp: N/A
Luminaire Lumens: 188.0 lumens
Efficiency: N/A
Efficacy: 26.1 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	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	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	56	56	55
7	75	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	50	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°	4320	4320	4320	4320	4320
5°	14748	9575	4050	1717	1255
10°	47450	19416	3184	646	423
15°	96709	32940	2270	227	159
20°	127878	41024	1447	70	70
25°	138734	39897	823	48	73
30°	151365	31802	354	51	76
35°	157698	19782	80	54	80
40°	149652	8645	57	86	143
45°	99917	3442	62	155	248
50°	33500	580	102	239	341
55°	1873	76	115	306	459
60°	132	88	219	351	526
65°	156	104	259	415	623
70°	128	128	321	513	641
75°	169	169	424	593	678
80°	0	253	631	631	631
85°	0	503	1258	503	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 99917 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	1.8
10°-20°	27.0	14.4
20°-30°	57.0	30.3
30°-40°	64.7	34.4
40°-50°	31.8	16.9
50°-60°	2.8	1.5
60°-70°	0.6	0.3
70°-80°	0.5	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°	87.4	46.5
0°-40°	152.1	80.9
0°-60°	186.7	99.3
0°-90°	188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	188.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	20	20	20	20	20	
5°	67	44	18	8	6	11
15°	426	145	10	1	1	121
25°	573	165	3	0	0	267
35°	589	74	0	0	0	363
45°	322	11	0	0	1	238
55°	5	0	0	1	1	19
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°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
2.5°	34.3	35.1	34.8	34.6	34.4	33.8	32.2	32.1	30.5	29.5	24.5
5°	67.0	65.6	66.0	64.1	61.8	58.4	56.2	51.5	47.6	43.5	28.5
7.5°	126.2	124.4	120.8	115.4	109.9	102.6	91.6	82.9	72.7	63.1	31.7
10°	213.1	212.1	207.6	193.7	181.6	162.2	144.0	124.7	105.8	87.2	33.9
12.5°	329.3	322.3	314.1	295.7	271.7	247.4	211.5	178.2	148.0	117.0	34.1
15°	426.0	421.6	409.9	386.0	357.1	322.0	279.3	234.6	189.0	145.1	32.4
17.5°	503.8	497.0	482.0	458.5	425.3	379.7	329.8	275.2	219.7	165.2	29.5
20°	548.0	544.4	532.9	509.5	473.2	423.4	366.5	303.1	239.0	175.8	25.8
22.5°	570.2	567.7	559.3	540.5	506.6	456.5	391.4	317.6	244.5	174.7	21.9
25°	573.4	572.8	565.5	551.3	523.0	473.4	402.2	320.3	240.0	164.9	18.2
27.5°	584.6	582.2	573.6	559.4	530.9	476.2	398.4	311.0	225.3	147.7	15.2
30°	597.8	596.1	587.5	572.8	539.0	473.5	385.3	290.4	201.8	125.6	11.3
32.5°	596.7	596.1	588.8	573.3	533.3	457.7	361.8	259.6	169.9	99.1	7.1
35°	589.1	586.8	577.7	553.7	500.5	416.8	317.3	217.7	134.5	73.9	4.6
37.5°	570.9	565.9	550.5	509.8	442.0	353.9	258.4	168.1	95.2	49.4	2.9
40°	522.8	516.4	485.5	436.4	365.4	278.8	192.2	115.6	62.8	30.2	1.2
42.5°	433.7	420.7	389.8	339.4	272.7	197.1	126.2	74.9	37.0	18.2	0.3
45°	322.2	312.2	279.8	234.1	178.7	126.4	76.4	40.5	20.4	11.1	0.2
47.5°	187.7	181.6	164.9	134.8	98.7	66.3	39.2	21.8	12.0	5.4	0.2
50°	98.2	90.6	78.0	59.1	43.5	30.5	19.1	11.6	5.9	1.7	0.2
52.5°	34.4	33.9	30.9	23.3	18.9	13.7	9.3	5.1	1.7	0.3	0.2
55°	4.9	4.9	4.6	5.1	5.4	4.9	3.2	1.4	0.3	0.2	0.2
57.5°	0.3	0.3	0.3	0.5	0.7	0.7	0.5	0.2	0.2	0.2	0.3
60°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
62.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
65°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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°	19.7	19.7	19.7	19.7	19.7
2.5°	19.6	15.7	12.5	11.0	10.5
5°	18.4	11.8	7.8	6.1	5.7
7.5°	16.4	8.4	4.7	3.4	3.2
10°	14.3	6.1	2.9	2.0	1.9
12.5°	12.0	4.2	1.9	1.2	1.0
15°	10.0	2.9	1.0	0.8	0.7
17.5°	7.9	1.9	0.7	0.5	0.7
20°	6.2	1.2	0.3	0.3	0.3
22.5°	4.7	0.7	0.3	0.3	0.3
25°	3.4	0.3	0.2	0.2	0.3
27.5°	2.4	0.2	0.2	0.2	0.3
30°	1.4	0.2	0.2	0.2	0.3
32.5°	0.7	0.2	0.2	0.3	0.3
35°	0.3	0.2	0.2	0.3	0.3
37.5°	0.2	0.2	0.2	0.3	0.5
40°	0.2	0.2	0.3	0.5	0.5
42.5°	0.2	0.2	0.3	0.5	0.7
45°	0.2	0.3	0.5	0.7	0.8
47.5°	0.3	0.3	0.7	0.8	1.0
50°	0.3	0.5	0.7	1.0	1.0
52.5°	0.3	0.5	0.8	1.0	1.2
55°	0.3	0.7	0.8	1.2	1.2
57.5°	0.5	0.7	0.8	1.2	1.2
60°	0.5	0.7	0.8	1.2	1.2
62.5°	0.5	0.7	0.8	1.2	1.2
65°	0.5	0.7	0.8	1.2	1.2
67.5°	0.5	0.7	0.8	1.0	1.2
70°	0.5	0.7	0.8	1.0	1.0
72.5°	0.7	0.7	0.8	1.0	1.0
75°	0.5	0.7	0.7	0.8	0.8
77.5°	0.5	0.5	0.5	0.7	0.7
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.3	0.3	0.5	0.5
85°	0.5	0.3	0.2	0.3	0.3
87.5°	0.3	0.3	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)