

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: P1338803

Luminaire Tested: P3A05R409024DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R409024DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

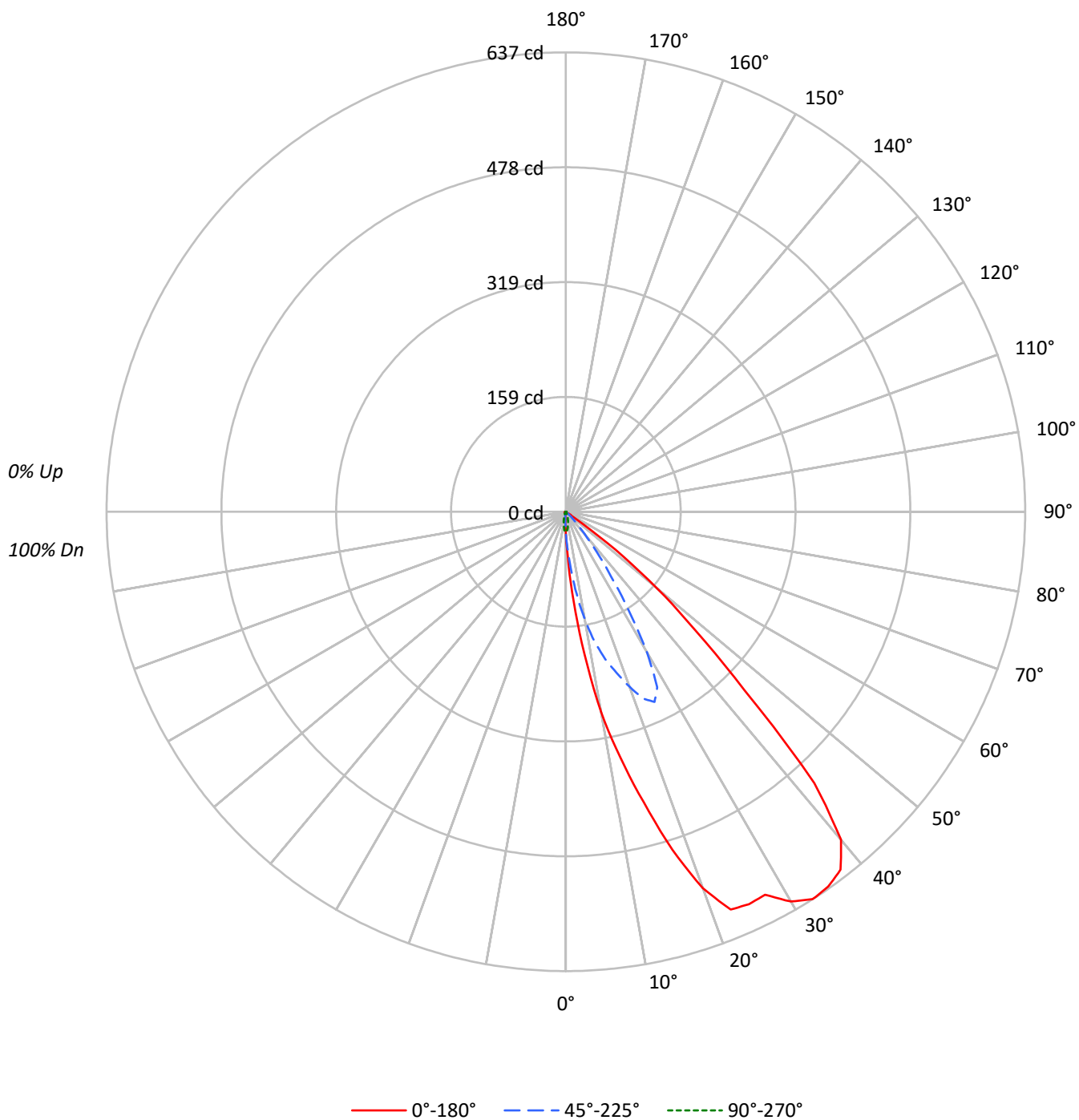
Lumens per Lamp: N/A
Luminaire Lumens: 235.0 lumens
Efficiency: N/A
Efficacy: 32.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6096	6096	6096	6096	6096
5°	27493	17521	5459	2091	1541
10°	63058	33867	3852	757	579
15°	94643	48059	2384	409	363
20°	129581	60252	1400	233	280
25°	145266	70407	726	194	242
30°	158024	56819	304	152	253
35°	169824	29071	107	214	321
40°	169890	11593	57	229	401
45°	108476	3876	124	372	558
50°	56322	478	205	478	682
55°	4855	76	229	612	841
60°	175	88	263	702	965
65°	208	104	415	726	1038
70°	128	128	513	769	1026
75°	169	169	508	847	1186
80°	253	253	758	758	1010
85°	0	503	1510	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 108476 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	2.3
10°-20°	31.8	13.5
20°-30°	69.7	29.6
30°-40°	79.4	33.8
40°-50°	41.9	17.8
50°-60°	4.9	2.1
60°-70°	0.9	0.4
70°-80°	0.7	0.3
80°-90°	0.3	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°	106.9	45.5
0°-40°	186.2	79.2
0°-60°	233.1	99.2
0°-90°	235.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	235.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	125	80	25	10	7	17
15°	417	212	10	2	2	123
25°	600	291	3	1	1	277
35°	634	109	0	1	1	393
45°	350	12	0	1	2	282
55°	13	0	1	2	2	39
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°	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
2.5°	62.0	62.0	61.8	60.0	59.8	59.6	56.4	55.6	51.8	49.3	37.5
5°	124.9	122.1	122.0	118.8	113.4	106.3	101.7	94.3	87.2	79.6	46.3
7.5°	199.0	201.4	194.8	191.5	179.6	171.0	157.9	146.4	130.3	115.2	53.4
10°	283.2	279.1	272.5	265.9	253.0	237.7	218.3	197.8	174.6	152.1	57.4
12.5°	349.0	343.6	339.6	330.7	318.0	298.3	275.1	247.7	216.9	184.5	57.2
15°	416.9	411.5	402.6	394.7	375.8	353.7	328.5	292.4	254.6	211.7	53.0
17.5°	491.6	484.6	474.7	462.6	444.3	419.9	387.9	343.8	290.4	234.0	45.5
20°	555.3	551.2	541.2	526.9	509.1	485.2	448.3	399.4	334.3	258.2	36.1
22.5°	597.0	593.3	586.5	574.0	560.5	535.1	501.3	447.7	371.0	280.2	27.4
25°	600.4	598.8	597.0	592.9	584.7	566.7	533.7	475.9	393.9	291.0	20.3
27.5°	598.6	598.0	597.6	595.5	590.1	572.2	538.5	480.1	390.9	274.3	14.9
30°	624.1	622.3	621.3	614.1	600.0	572.4	528.3	457.6	347.4	224.4	10.7
32.5°	637.0	636.6	635.6	628.6	608.8	572.8	511.2	403.4	275.5	162.1	7.3
35°	634.4	632.4	628.8	615.9	588.3	543.2	456.0	322.2	198.8	108.6	4.8
37.5°	625.6	621.1	614.1	590.9	554.1	492.6	369.8	237.1	135.3	70.3	2.8
40°	593.5	587.3	576.4	548.0	499.7	406.0	273.5	160.3	88.8	40.5	0.8
42.5°	510.2	502.3	494.4	462.6	407.4	302.7	179.9	99.1	50.6	22.2	0.2
45°	349.8	339.8	328.9	305.9	261.6	183.3	107.1	55.8	26.2	12.5	0.2
47.5°	242.9	238.3	219.3	189.9	145.6	97.1	55.4	27.4	13.9	5.8	0.2
50°	165.1	159.9	137.6	109.2	77.5	46.5	25.4	13.7	6.2	1.4	0.2
52.5°	86.6	80.2	66.1	50.4	31.4	19.5	11.1	6.0	1.8	0.2	0.2
55°	12.7	11.7	9.5	7.7	7.0	5.4	3.2	1.4	0.2	0.2	0.4
57.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.4	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.6
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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°	27.8	27.8	27.8	27.8	27.8
2.5°	27.4	20.3	15.7	13.5	13.3
5°	24.8	14.5	9.5	7.3	7.0
7.5°	21.1	10.1	5.6	4.0	3.8
10°	17.3	7.0	3.4	2.8	2.6
12.5°	13.7	4.6	2.4	2.2	2.0
15°	10.5	3.0	1.8	1.6	1.6
17.5°	7.9	2.0	1.4	1.4	1.4
20°	6.0	1.4	1.0	1.2	1.2
22.5°	4.2	1.0	0.8	1.0	1.0
25°	3.0	0.8	0.8	1.0	1.0
27.5°	2.0	0.6	0.6	0.8	1.0
30°	1.2	0.4	0.6	0.8	1.0
32.5°	0.6	0.4	0.6	1.0	1.0
35°	0.4	0.6	0.8	1.0	1.2
37.5°	0.2	0.6	0.8	1.2	1.2
40°	0.2	0.6	0.8	1.2	1.4
42.5°	0.4	0.8	1.0	1.4	1.6
45°	0.4	0.8	1.2	1.6	1.8
47.5°	0.4	0.8	1.4	1.8	1.8
50°	0.6	1.0	1.4	1.8	2.0
52.5°	0.6	1.0	1.4	2.0	2.2
55°	0.6	1.0	1.6	2.0	2.2
57.5°	0.6	1.2	1.6	2.0	2.2
60°	0.6	1.0	1.6	2.0	2.2
62.5°	0.8	1.0	1.4	2.0	2.0
65°	0.8	1.0	1.4	2.0	2.0
67.5°	0.8	1.0	1.4	1.8	1.8
70°	0.8	1.0	1.2	1.6	1.6
72.5°	0.8	1.0	1.2	1.4	1.6
75°	0.6	0.8	1.0	1.2	1.4
77.5°	0.6	0.8	0.8	1.2	1.2
80°	0.6	0.6	0.6	0.8	0.8
82.5°	0.6	0.6	0.4	0.6	0.6
85°	0.6	0.4	0.4	0.4	0.4
87.5°	0.4	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)