

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: P1339475

Luminaire Tested: P3A05R459740DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1339475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R459740DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

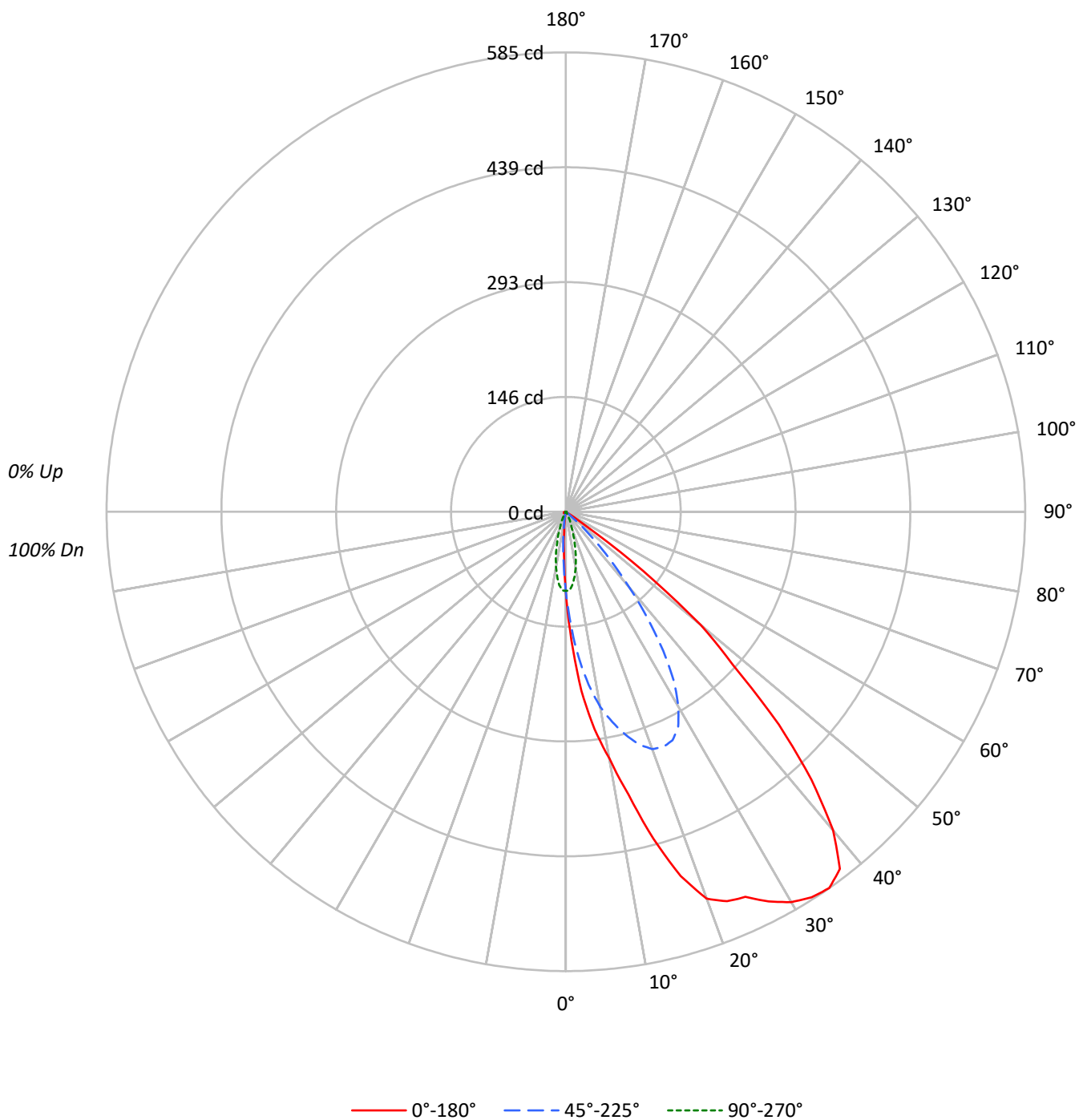
Lumens per Lamp: N/A
Luminaire Lumens: 265.0 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	97	96	96	94	93	93	93	91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	84	84	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	76	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	68	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	62	62	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	56	56	54
7	75	64	57	52	74	63	57	52	62	56	51	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	47	43	51	46	42	42	42	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°	22103	22103	22103	22103	22103
5°	50385	40876	20691	8298	5657
10°	71007	56156	15987	1826	846
15°	97867	66811	10216	613	499
20°	122371	75047	5320	420	420
25°	130943	77690	2468	315	387
30°	145339	72568	1114	329	405
35°	156573	57848	348	348	482
40°	151484	35839	200	458	573
45°	118958	16901	217	558	682
50°	76450	1979	307	682	921
55°	11622	153	344	841	1109
60°	175	175	395	965	1184
65°	208	208	467	1038	1401
70°	256	256	577	1154	1539
75°	169	339	763	1356	1694
80°	253	505	884	1389	2020
85°	0	503	1006	1761	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 118958 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	4.2
10°-20°	39.9	15.1
20°-30°	70.1	26.5
30°-40°	79.6	30.0
40°-50°	51.5	19.4
50°-60°	10.1	3.8
60°-70°	1.2	0.5
70°-80°	1.0	0.4
80°-90°	0.5	0.2
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°	121.0	45.7
0°-40°	200.6	75.7
0°-60°	262.3	99.0
0°-90°	265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	101	101	101	101	101	
5°	229	186	94	38	26	24
15°	431	294	45	3	2	124
25°	541	321	10	1	2	254
35°	585	216	1	1	2	360
45°	384	54	1	2	2	289
55°	30	0	1	2	3	58
65°	0	0	1	2	3	0
75°	0	0	1	2	2	0
85°	0	0	0	1	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°	50°
0°	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8
2.5°	163.8	163.3	164.0	159.6	159.3	156.0	155.1	151.4	146.3	143.8	138.1
5°	228.9	226.7	226.7	221.4	219.6	215.9	209.4	201.5	194.8	185.7	176.0
7.5°	279.2	278.8	278.8	274.1	269.7	264.4	255.8	246.7	236.0	222.1	207.9
10°	318.9	319.6	317.6	313.4	306.9	301.2	291.0	279.9	266.8	252.2	233.4
12.5°	369.0	364.1	362.6	353.0	344.8	333.8	321.6	308.9	292.8	274.4	253.1
15°	431.1	424.8	418.6	406.0	392.3	375.2	356.1	337.5	316.7	294.3	267.7
17.5°	486.5	486.5	478.3	458.3	440.6	415.3	389.6	364.8	340.2	310.7	277.5
20°	524.4	522.4	516.2	501.5	481.4	452.8	419.3	384.5	354.8	321.6	283.0
22.5°	536.8	536.3	536.5	527.9	511.7	482.0	441.0	400.0	362.8	324.2	280.4
25°	541.2	542.1	544.3	541.0	528.8	499.1	454.3	407.3	365.2	321.1	270.2
27.5°	559.6	557.8	560.3	558.0	544.3	508.8	457.0	405.6	359.9	309.8	252.0
30°	574.0	573.6	577.8	575.8	557.8	515.0	454.5	398.9	346.8	286.6	223.4
32.5°	582.2	582.4	583.5	575.3	548.7	501.5	442.6	385.4	322.2	256.2	186.2
35°	584.9	583.5	577.3	557.2	520.8	470.3	413.1	353.3	288.8	216.1	147.2
37.5°	573.3	566.5	550.5	520.4	478.3	431.1	375.4	312.7	242.9	170.6	109.7
40°	529.2	520.1	500.0	469.2	429.9	384.3	327.3	261.7	188.4	125.2	77.1
42.5°	463.2	458.5	437.5	410.7	377.4	331.3	272.6	206.1	139.4	86.4	49.2
45°	383.6	377.6	364.3	340.6	314.5	266.2	211.4	147.6	95.1	54.5	24.4
47.5°	287.7	288.1	279.0	261.1	235.4	195.0	144.7	99.1	59.6	28.1	5.5
50°	224.1	221.0	208.1	189.7	159.8	129.9	93.5	62.5	31.5	5.8	0.4
52.5°	124.1	126.1	119.2	113.2	97.7	77.6	55.2	31.7	6.6	0.7	0.4
55°	30.4	32.1	30.8	31.5	32.6	29.0	22.4	6.2	0.7	0.4	0.4
57.5°	0.7	0.7	0.7	0.7	1.1	1.6	1.6	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8
2.5°	135.2	131.0	123.2	100.2	80.4	64.9	55.6	54.7
5°	167.3	156.0	139.6	94.0	59.4	37.7	27.3	25.7
7.5°	192.8	176.9	151.6	83.8	40.6	19.3	10.6	8.9
10°	213.9	191.3	157.8	71.8	25.5	8.2	4.4	3.8
12.5°	228.3	201.0	158.9	58.5	14.6	4.0	2.9	2.7
15°	237.6	204.1	153.6	45.0	8.2	2.7	2.4	2.2
17.5°	241.3	201.5	143.4	32.6	4.4	2.0	2.0	2.0
20°	239.6	192.8	128.3	22.8	2.9	1.8	1.8	1.8
22.5°	231.2	178.0	109.5	15.3	2.0	1.6	1.6	1.6
25°	214.5	157.8	89.5	10.2	1.3	1.3	1.6	1.6
27.5°	189.7	133.0	68.5	6.9	1.1	1.3	1.6	1.6
30°	158.5	105.3	49.2	4.4	1.1	1.3	1.3	1.6
32.5°	125.9	76.7	32.4	2.7	0.9	1.3	1.6	1.8
35°	91.3	52.3	20.6	1.3	1.1	1.3	1.6	1.8
37.5°	64.0	34.1	12.0	0.9	1.1	1.3	1.8	1.8
40°	41.7	19.1	4.4	0.7	1.1	1.6	1.8	2.0
42.5°	21.7	6.6	0.9	0.7	1.1	1.6	2.0	2.2
45°	5.5	0.9	0.2	0.7	1.3	1.8	2.2	2.2
47.5°	0.7	0.2	0.2	0.9	1.3	2.0	2.2	2.4
50°	0.2	0.4	0.4	0.9	1.3	2.0	2.4	2.7
52.5°	0.4	0.4	0.4	0.9	1.6	2.0	2.7	2.9
55°	0.4	0.4	0.4	0.9	1.6	2.2	2.7	2.9
57.5°	0.4	0.4	0.4	0.9	1.6	2.2	2.7	2.7
60°	0.4	0.4	0.4	0.9	1.6	2.2	2.7	2.7
62.5°	0.4	0.4	0.7	0.9	1.6	2.0	2.7	2.7
65°	0.4	0.7	0.7	0.9	1.6	2.0	2.4	2.7
67.5°	0.4	0.4	0.7	0.9	1.6	2.0	2.4	2.7
70°	0.4	0.4	0.7	0.9	1.3	1.8	2.2	2.4
72.5°	0.4	0.4	0.7	0.9	1.3	1.8	2.0	2.2
75°	0.4	0.4	0.7	0.9	1.1	1.6	2.0	2.0
77.5°	0.4	0.4	0.7	0.7	1.1	1.3	1.8	1.8
80°	0.4	0.4	0.7	0.7	0.9	1.1	1.3	1.6
82.5°	0.4	0.4	0.4	0.7	0.7	0.9	1.1	1.1
85°	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
87.5°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)