

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: P1338307

Luminaire Tested: P3A05R359027DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338307
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: P3A05R359027DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

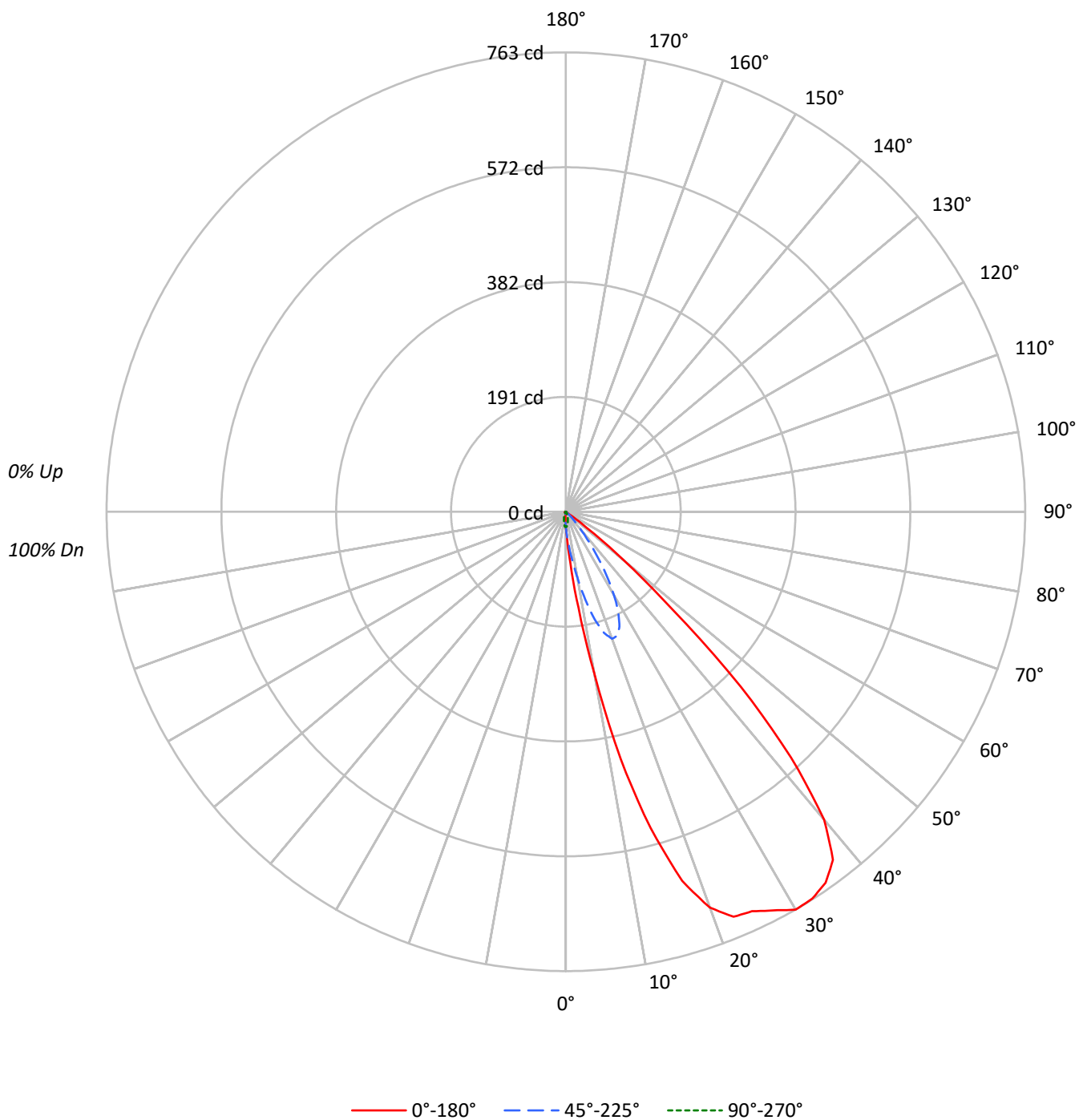
Lumens per Lamp: N/A
Luminaire Lumens: 239.9 lumens
Efficiency: N/A
Efficacy: 33.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76
4	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5526	5526	5526	5526	5526
5°	18820	12239	5173	2179	1607
10°	60587	24805	4075	824	534
15°	123451	42066	2883	295	204
20°	163231	52388	1867	93	93
25°	177131	50930	1040	48	97
30°	193220	40589	430	51	101
35°	201331	25270	107	54	107
40°	191044	11049	57	115	172
45°	127548	4404	62	186	341
50°	42779	751	136	307	443
55°	2370	76	153	421	573
60°	175	88	263	482	658
65°	208	104	311	571	778
70°	128	128	385	705	833
75°	169	169	508	763	932
80°	0	253	758	758	758
85°	0	503	1510	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 127548 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	1.8
10°-20°	34.5	14.4
20°-30°	72.8	30.3
30°-40°	82.5	34.4
40°-50°	40.6	16.9
50°-60°	3.5	1.5
60°-70°	0.7	0.3
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°	111.6	46.5
0°-40°	194.1	80.9
0°-60°	238.3	99.3
0°-90°	239.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	239.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	86	56	24	10	7	14
15°	544	185	13	1	1	155
25°	732	210	4	0	0	341
35°	752	94	0	0	0	464
45°	411	14	0	1	1	304
55°	6	0	0	1	2	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°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
2.5°	43.7	44.8	44.4	44.2	43.9	43.1	41.1	40.9	39.0	37.7	31.2
5°	85.5	83.8	84.2	81.9	78.9	74.5	71.7	65.7	60.8	55.6	36.4
7.5°	161.1	158.8	154.3	147.4	140.3	131.0	117.0	105.8	92.9	80.6	40.5
10°	272.1	270.8	265.0	247.3	231.8	207.0	183.8	159.2	135.1	111.4	43.3
12.5°	420.3	411.5	400.9	377.4	346.9	315.8	269.9	227.5	188.9	149.3	43.5
15°	543.8	538.2	523.3	492.7	455.9	411.1	356.6	299.5	241.3	185.3	41.4
17.5°	643.1	634.5	615.3	585.3	542.9	484.7	421.0	351.4	280.5	210.9	37.7
20°	699.5	695.0	680.4	650.4	604.1	540.5	467.9	386.9	305.1	224.5	33.0
22.5°	728.0	724.7	714.0	690.1	646.7	582.8	499.6	405.5	312.2	223.0	28.0
25°	732.1	731.2	721.9	703.8	667.6	604.3	513.4	408.9	306.4	210.5	23.3
27.5°	746.3	743.3	732.3	714.2	677.8	608.0	508.7	397.1	287.6	188.5	19.4
30°	763.1	760.9	749.9	731.2	688.1	604.5	491.8	370.8	257.7	160.3	14.4
32.5°	761.8	760.9	751.7	731.8	680.8	584.3	461.9	331.3	216.9	126.5	9.0
35°	752.1	749.1	737.4	706.9	639.0	532.1	405.0	277.9	171.7	94.4	5.8
37.5°	728.8	722.4	702.8	650.8	564.2	451.8	329.8	214.6	121.5	63.1	3.7
40°	667.4	659.2	619.8	557.1	466.4	355.9	245.4	147.6	80.1	38.6	1.5
42.5°	553.7	537.1	497.7	433.2	348.1	251.6	161.1	95.7	47.2	23.3	0.4
45°	411.3	398.6	357.2	298.8	228.1	161.4	97.6	51.7	26.1	14.2	0.2
47.5°	239.6	231.8	210.5	172.1	126.0	84.7	50.0	27.8	15.3	6.9	0.2
50°	125.4	115.7	99.5	75.4	55.6	39.0	24.3	14.9	7.5	2.2	0.2
52.5°	43.9	43.3	39.4	29.7	24.1	17.5	11.8	6.5	2.2	0.4	0.2
55°	6.2	6.2	5.8	6.5	6.9	6.2	4.1	1.7	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.6	0.9	0.9	0.6	0.2	0.2	0.2	0.4
60°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
62.5°	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
65°	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
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	0.2	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°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
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°	25.2	25.2	25.2	25.2	25.2
2.5°	25.0	20.0	15.9	14.0	13.4
5°	23.5	15.1	9.9	7.8	7.3
7.5°	20.9	10.8	6.0	4.3	4.1
10°	18.3	7.8	3.7	2.6	2.4
12.5°	15.3	5.4	2.4	1.5	1.3
15°	12.7	3.7	1.3	1.1	0.9
17.5°	10.1	2.4	0.9	0.6	0.9
20°	8.0	1.5	0.4	0.4	0.4
22.5°	6.0	0.9	0.4	0.4	0.4
25°	4.3	0.4	0.2	0.2	0.4
27.5°	3.0	0.2	0.2	0.2	0.4
30°	1.7	0.2	0.2	0.2	0.4
32.5°	0.9	0.2	0.2	0.4	0.4
35°	0.4	0.2	0.2	0.4	0.4
37.5°	0.2	0.2	0.2	0.4	0.6
40°	0.2	0.2	0.4	0.6	0.6
42.5°	0.2	0.2	0.4	0.6	0.9
45°	0.2	0.4	0.6	0.9	1.1
47.5°	0.4	0.4	0.9	1.1	1.3
50°	0.4	0.6	0.9	1.3	1.3
52.5°	0.4	0.6	1.1	1.3	1.5
55°	0.4	0.9	1.1	1.5	1.5
57.5°	0.6	0.9	1.1	1.5	1.5
60°	0.6	0.9	1.1	1.5	1.5
62.5°	0.6	0.9	1.1	1.5	1.5
65°	0.6	0.9	1.1	1.5	1.5
67.5°	0.6	0.9	1.1	1.3	1.5
70°	0.6	0.9	1.1	1.3	1.3
72.5°	0.9	0.9	1.1	1.3	1.3
75°	0.6	0.9	0.9	1.1	1.1
77.5°	0.6	0.6	0.6	0.9	0.9
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.4	0.4	0.6	0.6
85°	0.6	0.4	0.2	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)