

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: P1335433

Luminaire Tested: P3A02R359740DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1335433
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: P3A02R359740DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

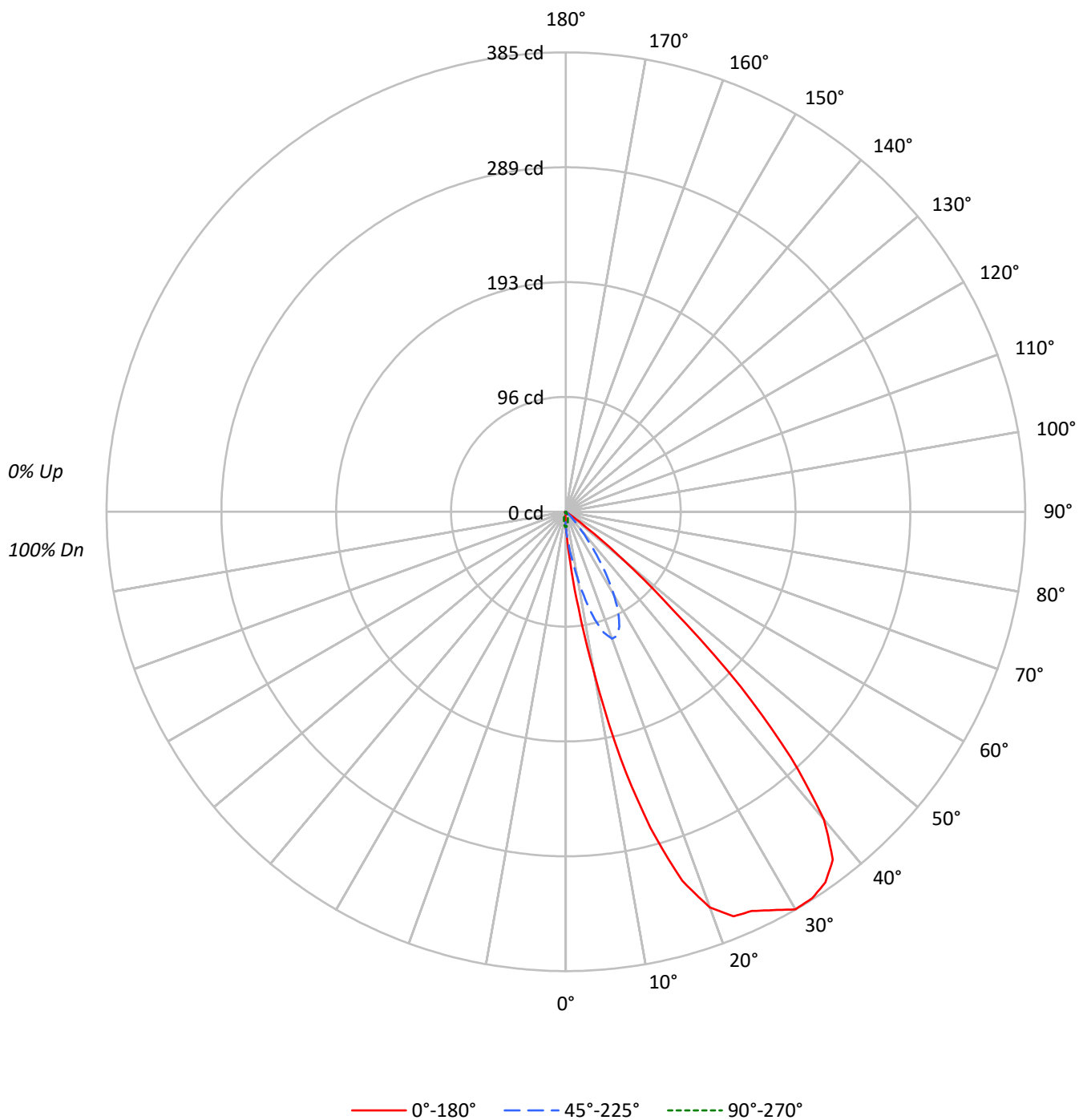
Lumens per Lamp: N/A
Luminaire Lumens: 120.9 lumens
Efficiency: N/A
Efficacy: 33.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2785	2785	2785	2785	2785
5°	9487	6163	2597	1101	814
10°	30549	12514	2049	401	267
15°	62225	21203	1453	159	91
20°	82304	26416	933	47	47
25°	89304	25671	532	24	48
30°	97407	20459	228	25	51
35°	101509	12742	54	27	54
40°	96323	5553	29	57	86
45°	64317	2233	31	93	155
50°	21560	375	68	136	239
55°	1185	38	76	191	306
60°	88	44	132	219	351
65°	104	52	156	259	415
70°	64	64	192	321	449
75°	85	85	254	339	424
80°	0	126	379	379	379
85°	0	252	755	252	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 64317 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	1.8
10°-20°	17.4	14.4
20°-30°	36.7	30.3
30°-40°	41.6	34.4
40°-50°	20.5	16.9
50°-60°	1.8	1.5
60°-70°	0.4	0.3
70°-80°	0.3	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°	56.3	46.5
0°-40°	97.9	80.9
0°-60°	120.1	99.3
0°-90°	120.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	120.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	43	28	12	5	4	7
15°	274	93	6	1	0	78
25°	369	106	2	0	0	172
35°	379	48	0	0	0	234
45°	207	7	0	0	0	153
55°	3	0	0	0	1	12
65°	0	0	0	0	1	0
75°	0	0	0	0	0	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°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
2.5°	22.0	22.6	22.4	22.3	22.2	21.7	20.7	20.6	19.7	19.0	15.7
5°	43.1	42.3	42.5	41.3	39.8	37.6	36.2	33.1	30.6	28.0	18.4
7.5°	81.2	80.1	77.8	74.3	70.7	66.0	59.0	53.3	46.8	40.6	20.4
10°	137.2	136.5	133.6	124.7	116.9	104.4	92.7	80.3	68.1	56.2	21.8
12.5°	211.9	207.5	202.1	190.3	174.9	159.2	136.1	114.7	95.3	75.3	21.9
15°	274.1	271.3	263.8	248.4	229.8	207.2	179.8	151.0	121.7	93.4	20.9
17.5°	324.2	319.9	310.2	295.1	273.7	244.4	212.2	177.2	141.4	106.3	19.0
20°	352.7	350.4	343.0	327.9	304.6	272.5	235.9	195.1	153.8	113.2	16.6
22.5°	367.0	365.4	360.0	347.9	326.1	293.8	251.9	204.4	157.4	112.4	14.1
25°	369.1	368.6	364.0	354.9	336.6	304.7	258.8	206.2	154.5	106.1	11.7
27.5°	376.3	374.7	369.2	360.1	341.7	306.5	256.4	200.2	145.0	95.0	9.8
30°	384.7	383.6	378.1	368.6	346.9	304.8	248.0	186.9	129.9	80.8	7.3
32.5°	384.1	383.6	379.0	369.0	343.2	294.6	232.9	167.1	109.4	63.8	4.6
35°	379.2	377.7	371.8	356.4	322.2	268.3	204.2	140.1	86.6	47.6	2.9
37.5°	367.5	364.2	354.3	328.1	284.5	227.8	166.3	108.2	61.3	31.8	1.8
40°	336.5	332.4	312.5	280.9	235.2	179.4	123.7	74.4	40.4	19.4	0.8
42.5°	279.1	270.8	250.9	218.4	175.5	126.9	81.2	48.2	23.8	11.7	0.2
45°	207.4	200.9	180.1	150.7	115.0	81.4	49.2	26.1	13.1	7.2	0.1
47.5°	120.8	116.9	106.1	86.8	63.5	42.7	25.2	14.0	7.7	3.5	0.1
50°	63.2	58.3	50.2	38.0	28.0	19.7	12.3	7.5	3.8	1.1	0.1
52.5°	22.2	21.8	19.9	15.0	12.2	8.8	6.0	3.3	1.1	0.2	0.1
55°	3.1	3.1	2.9	3.3	3.5	3.1	2.1	0.9	0.2	0.1	0.1
57.5°	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.1	0.1	0.1	0.2
60°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
62.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
65°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
67.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
70°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
72.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
77.5°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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):

	90°	112.5°	135°	157.5°	180°
0°	12.7	12.7	12.7	12.7	12.7
2.5°	12.6	10.1	8.0	7.1	6.7
5°	11.8	7.6	5.0	3.9	3.7
7.5°	10.5	5.4	3.0	2.2	2.1
10°	9.2	3.9	1.8	1.3	1.2
12.5°	7.7	2.7	1.2	0.8	0.7
15°	6.4	1.8	0.7	0.5	0.4
17.5°	5.1	1.2	0.4	0.3	0.4
20°	4.0	0.8	0.2	0.2	0.2
22.5°	3.0	0.4	0.2	0.2	0.2
25°	2.2	0.2	0.1	0.1	0.2
27.5°	1.5	0.1	0.1	0.1	0.2
30°	0.9	0.1	0.1	0.1	0.2
32.5°	0.4	0.1	0.1	0.2	0.2
35°	0.2	0.1	0.1	0.2	0.2
37.5°	0.1	0.1	0.1	0.2	0.3
40°	0.1	0.1	0.2	0.3	0.3
42.5°	0.1	0.1	0.2	0.3	0.4
45°	0.1	0.2	0.3	0.4	0.5
47.5°	0.2	0.2	0.4	0.5	0.7
50°	0.2	0.3	0.4	0.7	0.7
52.5°	0.2	0.3	0.5	0.7	0.8
55°	0.2	0.4	0.5	0.8	0.8
57.5°	0.3	0.4	0.5	0.8	0.8
60°	0.3	0.4	0.5	0.8	0.8
62.5°	0.3	0.4	0.5	0.8	0.8
65°	0.3	0.4	0.5	0.8	0.8
67.5°	0.3	0.4	0.5	0.7	0.8
70°	0.3	0.4	0.5	0.7	0.7
72.5°	0.4	0.4	0.5	0.7	0.7
75°	0.3	0.4	0.4	0.5	0.5
77.5°	0.3	0.3	0.3	0.4	0.4
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.2	0.2	0.3	0.3
85°	0.3	0.2	0.1	0.2	0.2
87.5°	0.2	0.2	0.1	0.1	0.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)