

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: P1337960

Luminaire Tested: P3A05R309827DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R309827DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

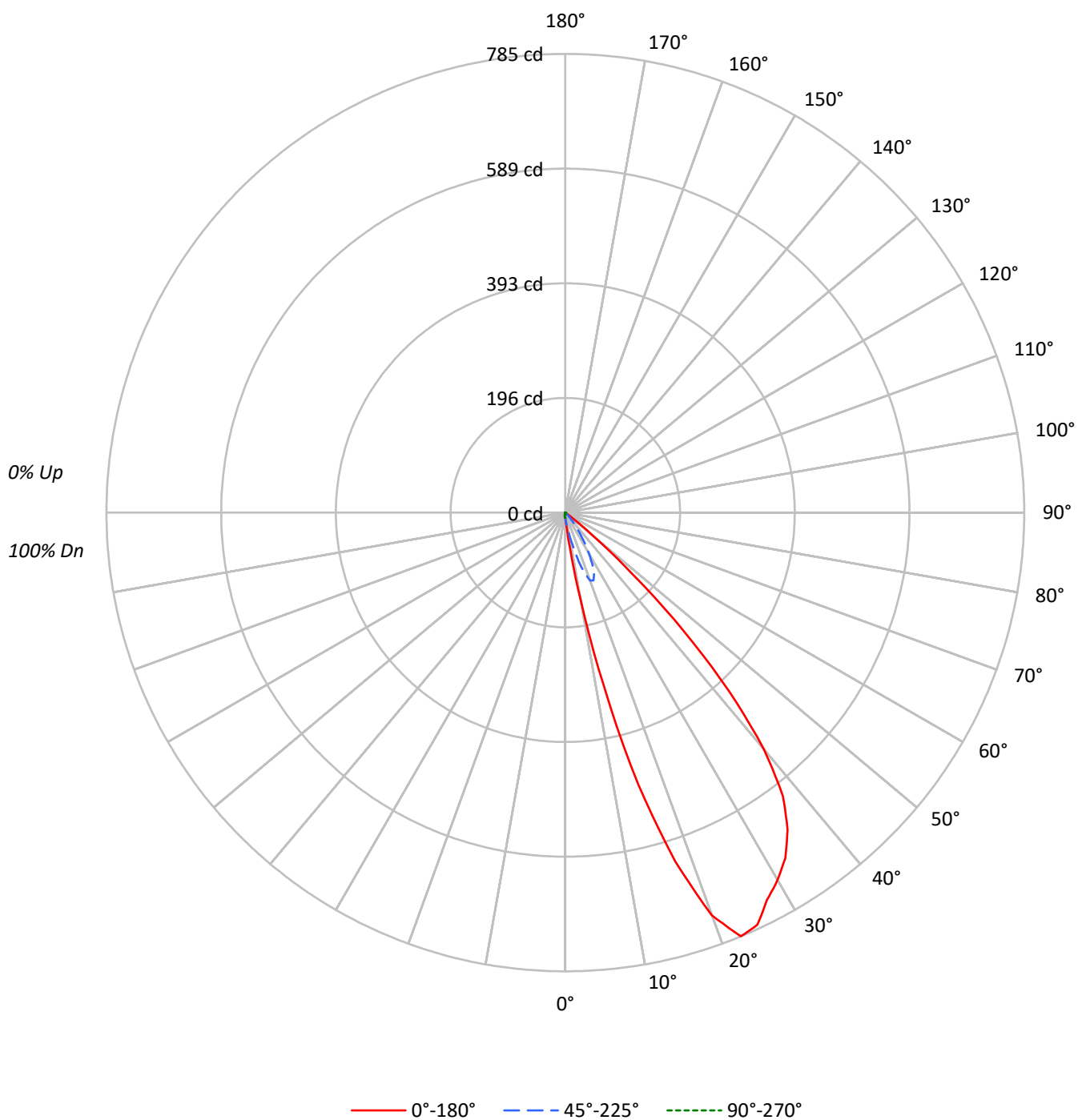
Lumens per Lamp: N/A
Luminaire Lumens: 185.0 lumens
Efficiency: N/A
Efficacy: 25.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	1930	1930	1930	1930	1930
5°	5811	3874	1827	814	660
10°	33622	8216	1425	379	267
15°	109331	18615	999	68	45
20°	171095	28796	630	0	0
25°	188237	28139	339	0	0
30°	183851	20282	127	0	0
35°	177426	11538	54	0	0
40°	151312	4895	0	0	0
45°	88815	1830	62	0	62
50°	21560	341	68	68	171
55°	1873	0	115	191	268
60°	88	0	132	219	351
65°	104	104	259	259	415
70°	128	128	321	321	449
75°	0	169	424	424	424
80°	0	253	631	379	379
85°	0	503	1258	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 88815 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.9
10°-20°	25.4	13.7
20°-30°	64.6	34.9
30°-40°	64.4	34.8
40°-50°	26.1	14.1
50°-60°	1.8	1.0
60°-70°	0.4	0.2
70°-80°	0.4	0.2
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°	91.7	49.5
0°-40°	156.1	84.4
0°-60°	184.0	99.4
0°-90°	185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	185.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	9	9	9	9	9	
5°	26	18	8	4	3	6
15°	482	82	4	0	0	140
25°	778	116	1	0	0	351
35°	663	43	0	0	0	406
45°	286	6	0	0	0	218
55°	5	0	0	0	1	13
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°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
2.5°	14.5	14.7	14.7	14.4	14.2	14.2	13.7	13.5	13.0	12.5	10.8
5°	26.4	25.9	25.2	25.2	23.7	22.8	21.6	20.3	19.3	17.6	12.5
7.5°	59.8	55.8	54.6	53.1	47.3	42.8	37.5	33.0	28.7	25.2	13.9
10°	151.0	143.0	136.4	123.1	106.3	90.3	75.4	58.2	46.3	36.9	14.9
12.5°	304.1	293.5	280.8	256.4	225.2	185.1	149.6	111.7	78.4	54.3	15.2
15°	481.6	463.5	443.8	412.8	361.6	304.1	240.0	179.7	125.9	82.0	14.9
17.5°	626.3	619.2	590.0	547.7	485.0	411.0	332.0	249.5	169.9	107.3	13.9
20°	733.2	728.3	692.9	648.0	577.3	492.4	392.2	293.1	200.5	123.4	12.3
22.5°	784.7	783.9	758.3	712.4	637.5	541.3	430.9	318.3	210.0	125.6	10.3
25°	778.0	781.0	766.5	732.3	660.5	561.4	442.4	318.3	203.0	116.3	8.6
27.5°	747.2	749.2	740.1	713.9	646.9	546.9	426.3	297.9	182.9	99.9	7.1
30°	726.1	726.9	715.6	687.5	616.5	513.7	388.5	260.0	152.5	80.1	5.2
32.5°	700.4	700.2	687.0	654.9	576.6	467.2	340.5	214.9	117.2	60.9	3.0
35°	662.8	658.6	640.7	603.7	517.1	404.7	279.1	163.6	84.4	43.1	1.9
37.5°	611.3	600.3	574.9	525.4	433.6	317.3	206.9	115.0	57.6	28.6	1.2
40°	528.6	516.9	482.5	422.3	328.0	228.4	139.5	74.9	36.3	17.1	0.7
42.5°	414.5	406.6	360.1	300.1	216.6	145.7	83.8	44.3	20.5	9.8	0.2
45°	286.4	276.1	239.5	188.7	130.0	80.8	47.0	23.2	11.7	5.9	0.0
47.5°	158.1	145.4	124.3	97.7	65.4	42.4	23.7	12.5	6.6	2.9	0.0
50°	63.2	62.7	49.9	35.5	25.0	19.3	11.8	6.8	3.4	1.0	0.2
52.5°	22.1	22.1	19.1	15.6	12.2	8.8	5.9	3.2	1.2	0.3	0.2
55°	4.9	5.4	5.1	4.7	4.6	3.9	2.5	1.2	0.3	0.0	0.2
57.5°	0.5	0.5	0.5	0.7	0.8	0.8	0.7	0.3	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.3
65°	0.2	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°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.5
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	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	0.0	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°	8.8	8.8	8.8	8.8	8.8
2.5°	8.8	6.9	5.7	5.1	4.9
5°	8.3	5.2	3.7	3.2	3.0
7.5°	7.4	3.9	2.5	2.0	1.9
10°	6.4	2.9	1.7	1.2	1.2
12.5°	5.4	2.2	1.0	0.5	0.3
15°	4.4	1.4	0.3	0.2	0.2
17.5°	3.4	0.8	0.0	0.0	0.0
20°	2.7	0.3	0.0	0.0	0.0
22.5°	2.0	0.2	0.0	0.0	0.0
25°	1.4	0.0	0.0	0.0	0.0
27.5°	0.8	0.0	0.0	0.0	0.0
30°	0.5	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.3	0.3
50°	0.2	0.2	0.2	0.3	0.5
52.5°	0.3	0.2	0.3	0.5	0.5
55°	0.3	0.3	0.5	0.7	0.7
57.5°	0.3	0.3	0.5	0.7	0.7
60°	0.3	0.3	0.5	0.7	0.8
62.5°	0.5	0.5	0.5	0.7	0.7
65°	0.5	0.5	0.5	0.7	0.8
67.5°	0.5	0.5	0.5	0.7	0.8
70°	0.5	0.5	0.5	0.7	0.7
72.5°	0.7	0.5	0.5	0.7	0.7
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.3	0.5	0.5
80°	0.5	0.3	0.3	0.3	0.3
82.5°	0.5	0.3	0.3	0.3	0.3
85°	0.5	0.3	0.2	0.2	0.2
87.5°	0.5	0.3	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)