

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: P1338520

Luminaire Tested: P3A05R359840DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338520
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: P3A05R359840DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

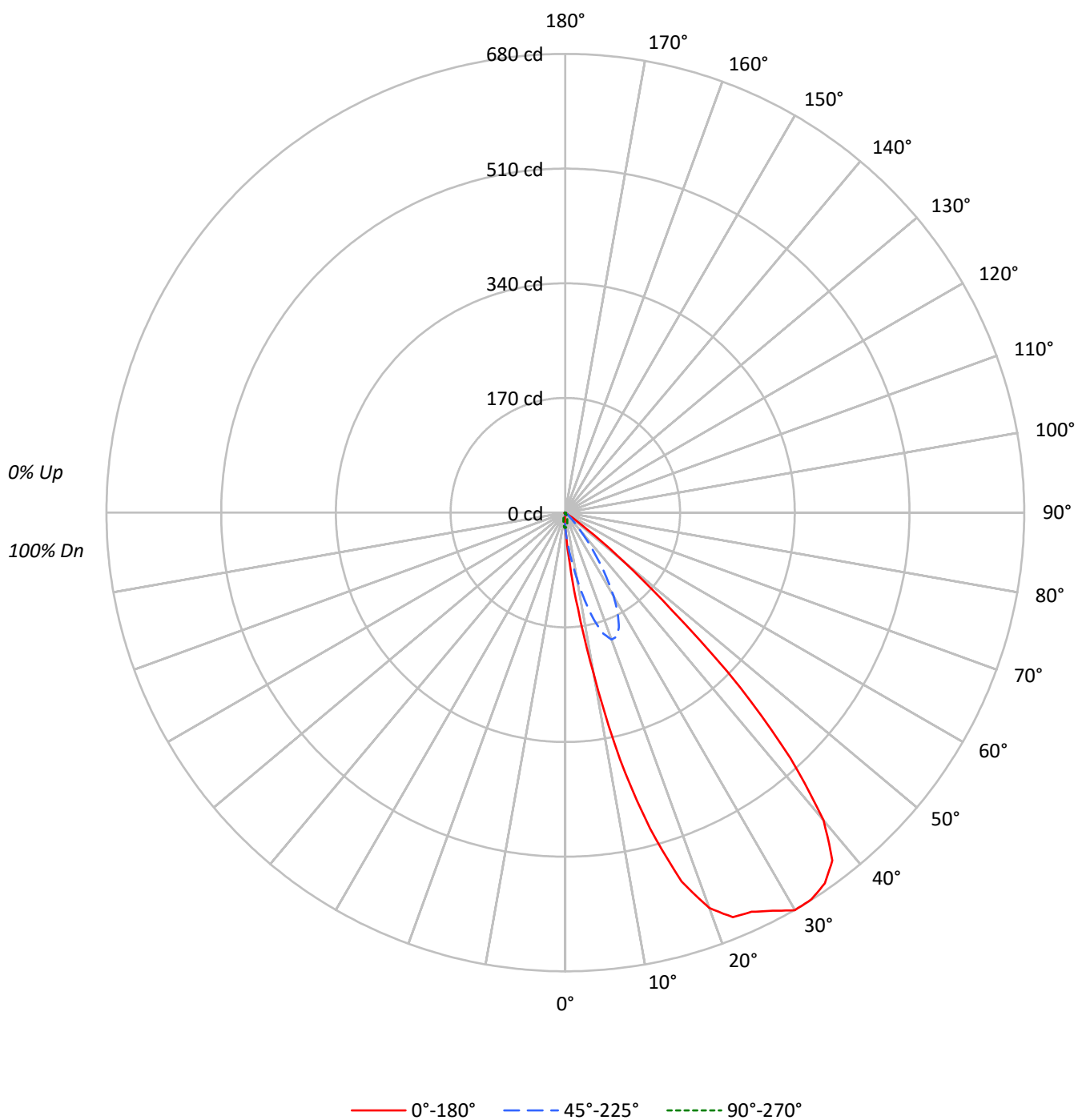
Lumens per Lamp: N/A
Luminaire Lumens: 214.1 lumens
Efficiency: N/A
Efficacy: 29.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	82	79	85	81	77	82	79	76	74		
4	92	83	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	60		
6	81	70	63	58	79	69	62	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	50	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°	4934	4934	4934	4934	4934
5°	16795	10918	4600	1937	1431
10°	54018	22110	3629	735	468
15°	110080	37503	2565	272	182
20°	145543	46717	1657	93	93
25°	157945	45414	919	48	97
30°	172280	36183	380	51	101
35°	179514	22513	107	54	107
40°	170348	9847	57	115	172
45°	113717	3938	62	186	310
50°	38139	648	136	273	409
55°	2141	76	153	382	497
60°	175	88	263	439	570
65°	208	104	311	519	675
70°	128	128	385	641	769
75°	169	169	508	678	847
80°	0	253	758	758	758
85°	0	503	1510	503	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 113717 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	1.8
10°-20°	30.7	14.4
20°-30°	64.9	30.3
30°-40°	73.6	34.4
40°-50°	36.2	16.9
50°-60°	3.2	1.5
60°-70°	0.7	0.3
70°-80°	0.6	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°	99.5	46.5
0°-40°	173.1	80.9
0°-60°	212.5	99.3
0°-90°	214.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	214.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	76	50	21	9	6	13
15°	485	165	11	1	1	138
25°	653	188	4	0	0	304
35°	671	84	0	0	0	413
45°	367	13	0	1	1	271
55°	6	0	0	1	1	22
65°	0	0	1	1	1	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°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
2.5°	39.0	40.0	39.6	39.4	39.2	38.4	36.7	36.5	34.8	33.6	27.9
5°	76.3	74.7	75.1	73.0	70.3	66.5	64.0	58.6	54.2	49.6	32.5
7.5°	143.7	141.6	137.5	131.4	125.1	116.8	104.3	94.3	82.8	71.8	36.1
10°	242.6	241.5	236.3	220.5	206.7	184.6	163.9	142.0	120.4	99.3	38.6
12.5°	374.8	366.9	357.5	336.6	309.3	281.6	240.7	202.9	168.5	133.1	38.8
15°	484.9	479.9	466.6	439.3	406.5	366.5	317.9	267.0	215.2	165.2	36.9
17.5°	573.4	565.7	548.6	521.9	484.1	432.2	375.4	313.3	250.1	188.1	33.6
20°	623.7	619.7	606.7	579.9	538.6	482.0	417.2	345.0	272.0	200.2	29.4
22.5°	649.1	646.2	636.6	615.3	576.7	519.6	445.5	361.5	278.4	198.8	25.0
25°	652.8	652.0	643.7	627.6	595.3	538.8	457.8	364.6	273.2	187.7	20.7
27.5°	665.4	662.7	652.9	636.8	604.3	542.1	453.5	354.0	256.5	168.1	17.3
30°	680.4	678.5	668.7	652.0	613.6	539.0	438.6	330.6	229.8	142.9	12.9
32.5°	679.3	678.5	670.2	652.6	607.0	521.0	411.9	295.4	193.4	112.8	8.1
35°	670.6	667.9	657.6	630.3	569.8	474.5	361.1	247.8	153.1	84.1	5.2
37.5°	649.9	644.1	626.6	580.3	503.1	402.8	294.1	191.3	108.3	56.3	3.3
40°	595.1	587.8	552.7	496.8	415.9	317.3	218.8	131.6	71.5	34.4	1.3
42.5°	493.7	478.9	443.8	386.3	310.4	224.4	143.7	85.3	42.1	20.7	0.4
45°	366.7	355.4	318.5	266.4	203.4	143.9	87.0	46.1	23.2	12.7	0.2
47.5°	213.6	206.7	187.7	153.5	112.4	75.5	44.6	24.8	13.6	6.1	0.2
50°	111.8	103.2	88.8	67.2	49.6	34.8	21.7	13.3	6.7	1.9	0.2
52.5°	39.2	38.6	35.2	26.5	21.5	15.6	10.6	5.8	1.9	0.4	0.2
55°	5.6	5.6	5.2	5.8	6.1	5.6	3.6	1.5	0.4	0.2	0.2
57.5°	0.4	0.4	0.4	0.6	0.8	0.8	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°	22.5	22.5	22.5	22.5	22.5
2.5°	22.3	17.9	14.2	12.5	11.9
5°	20.9	13.4	8.8	6.9	6.5
7.5°	18.6	9.6	5.4	3.8	3.6
10°	16.3	6.9	3.3	2.3	2.1
12.5°	13.6	4.8	2.1	1.3	1.2
15°	11.3	3.3	1.2	1.0	0.8
17.5°	9.0	2.1	0.8	0.6	0.8
20°	7.1	1.3	0.4	0.4	0.4
22.5°	5.4	0.8	0.4	0.4	0.4
25°	3.8	0.4	0.2	0.2	0.4
27.5°	2.7	0.2	0.2	0.2	0.4
30°	1.5	0.2	0.2	0.2	0.4
32.5°	0.8	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	0.8
45°	0.2	0.4	0.6	0.8	1.0
47.5°	0.4	0.4	0.8	1.0	1.2
50°	0.4	0.6	0.8	1.2	1.2
52.5°	0.4	0.6	1.0	1.2	1.3
55°	0.4	0.8	1.0	1.3	1.3
57.5°	0.6	0.8	1.0	1.3	1.3
60°	0.6	0.8	1.0	1.3	1.3
62.5°	0.6	0.8	1.0	1.3	1.3
65°	0.6	0.8	1.0	1.3	1.3
67.5°	0.6	0.8	1.0	1.2	1.3
70°	0.6	0.8	1.0	1.2	1.2
72.5°	0.8	0.8	1.0	1.2	1.2
75°	0.6	0.8	0.8	1.0	1.0
77.5°	0.6	0.6	0.6	0.8	0.8
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)