

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: P1338968

Luminaire Tested: P3A05R409740DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R409740DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

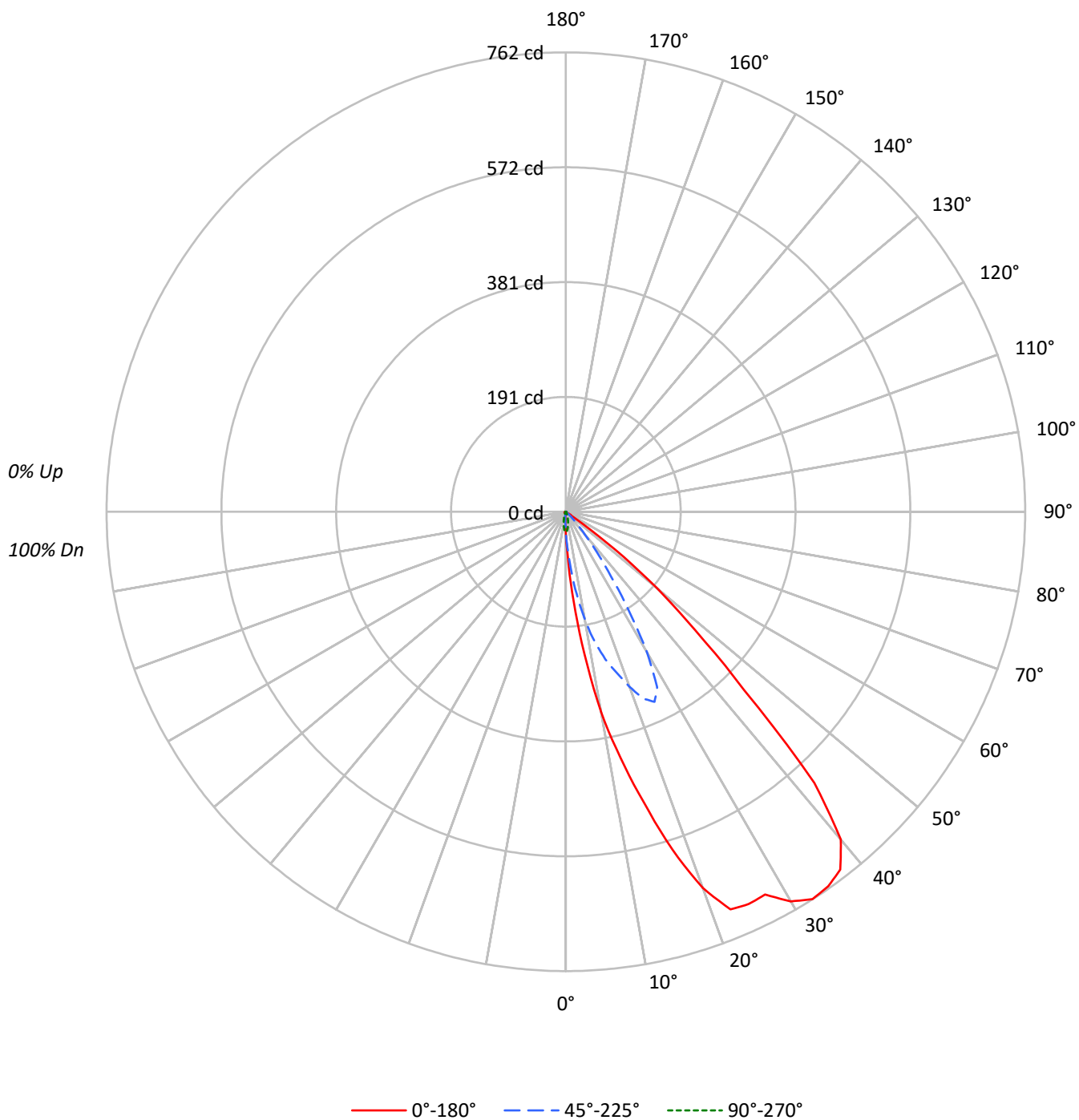
Lumens per Lamp: N/A
Luminaire Lumens: 281.0 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	94	90	95	91	88	92	89	86	89	86	84	84	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	76	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	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	80	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	56	52	62	56	51	61	55	51	59	54	51	51	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	46	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	42	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7280	7280	7280	7280	7280
5°	32886	20955	6538	2509	1827
10°	75416	40502	4609	891	690
15°	113168	57480	2860	477	431
20°	154947	72036	1657	280	327
25°	173720	84174	871	218	290
30°	188940	67960	354	177	304
35°	203071	34773	134	241	375
40°	203123	13855	57	258	487
45°	129688	4652	155	434	651
50°	67341	580	239	580	819
55°	5811	76	268	726	994
60°	219	88	307	833	1140
65°	259	104	467	882	1245
70°	128	128	577	898	1218
75°	169	169	593	1017	1440
80°	253	253	884	884	1137
85°	0	503	1761	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 129688 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	2.3
10°-20°	38.0	13.5
20°-30°	83.3	29.6
30°-40°	94.9	33.8
40°-50°	50.1	17.8
50°-60°	5.9	2.1
60°-70°	1.1	0.4
70°-80°	0.9	0.3
80°-90°	0.4	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°	127.8	45.5
0°-40°	222.7	79.3
0°-60°	278.7	99.2
0°-90°	281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	281.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	33	33	33	33	33	
5°	149	95	30	11	8	20
15°	498	253	13	2	2	147
25°	718	348	4	1	1	331
35°	759	130	0	1	1	470
45°	418	15	0	1	2	337
55°	15	0	1	2	3	47
65°	0	0	1	2	2	0
75°	0	0	1	1	2	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°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
2.5°	74.1	74.1	73.9	71.7	71.5	71.2	67.4	66.5	62.0	58.9	44.9
5°	149.4	146.1	145.8	142.0	135.6	127.1	121.6	112.8	104.3	95.2	55.3
7.5°	238.0	240.8	233.0	228.9	214.7	204.5	188.8	175.0	155.8	137.7	63.9
10°	338.7	333.7	325.8	318.0	302.6	284.3	261.0	236.5	208.8	181.9	68.6
12.5°	417.3	410.9	406.1	395.4	380.2	356.7	328.9	296.2	259.3	220.6	68.4
15°	498.5	492.1	481.4	471.9	449.3	423.0	392.8	349.6	304.5	253.2	63.4
17.5°	587.8	579.5	567.6	553.1	531.3	502.1	463.8	411.1	347.2	279.8	54.4
20°	664.0	659.1	647.2	630.1	608.7	580.2	536.0	477.6	399.7	308.7	43.2
22.5°	713.9	709.4	701.3	686.4	670.2	639.8	599.4	535.3	443.6	335.1	32.8
25°	718.0	716.1	713.9	708.9	699.2	677.6	638.2	569.0	471.0	347.9	24.2
27.5°	715.8	715.1	714.6	712.0	705.6	684.2	643.9	574.0	467.4	328.0	17.8
30°	746.2	744.1	742.9	734.3	717.5	684.5	631.7	547.2	415.4	268.4	12.8
32.5°	761.7	761.2	760.0	751.7	727.9	684.9	611.3	482.4	329.4	193.8	8.8
35°	758.6	756.2	751.9	736.5	703.5	649.6	545.3	385.2	237.7	129.9	5.7
37.5°	748.1	742.7	734.3	706.6	662.6	589.0	442.2	283.6	161.7	84.1	3.3
40°	709.6	702.3	689.2	655.3	597.5	485.4	327.0	191.7	106.2	48.4	0.9
42.5°	610.1	600.6	591.1	553.1	487.1	361.9	215.2	118.5	60.6	26.6	0.2
45°	418.2	406.4	393.3	365.7	312.8	219.2	128.0	66.7	31.3	15.0	0.2
47.5°	290.5	285.0	262.2	227.0	174.1	116.1	66.3	32.8	16.6	6.9	0.2
50°	197.4	191.2	164.6	130.6	92.6	55.6	30.4	16.4	7.4	1.7	0.2
52.5°	103.5	95.9	79.1	60.3	37.5	23.3	13.3	7.1	2.1	0.2	0.2
55°	15.2	14.0	11.4	9.3	8.3	6.4	3.8	1.7	0.2	0.2	0.5
57.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.5	0.2	0.2	0.2	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5
62.5°	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5
67.5°	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.5	0.7
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5
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°	33.2	33.2	33.2	33.2	33.2
2.5°	32.8	24.2	18.8	16.1	15.9
5°	29.7	17.3	11.4	8.8	8.3
7.5°	25.2	12.1	6.6	4.7	4.5
10°	20.7	8.3	4.0	3.3	3.1
12.5°	16.4	5.5	2.8	2.6	2.4
15°	12.6	3.6	2.1	1.9	1.9
17.5°	9.5	2.4	1.7	1.7	1.7
20°	7.1	1.7	1.2	1.4	1.4
22.5°	5.0	1.2	0.9	1.2	1.2
25°	3.6	0.9	0.9	1.2	1.2
27.5°	2.4	0.7	0.7	0.9	1.2
30°	1.4	0.5	0.7	0.9	1.2
32.5°	0.7	0.5	0.7	1.2	1.2
35°	0.5	0.7	0.9	1.2	1.4
37.5°	0.2	0.7	0.9	1.4	1.4
40°	0.2	0.7	0.9	1.4	1.7
42.5°	0.5	0.9	1.2	1.7	1.9
45°	0.5	0.9	1.4	1.9	2.1
47.5°	0.5	0.9	1.7	2.1	2.1
50°	0.7	1.2	1.7	2.1	2.4
52.5°	0.7	1.2	1.7	2.4	2.6
55°	0.7	1.2	1.9	2.4	2.6
57.5°	0.7	1.4	1.9	2.4	2.6
60°	0.7	1.2	1.9	2.4	2.6
62.5°	0.9	1.2	1.7	2.4	2.4
65°	0.9	1.2	1.7	2.4	2.4
67.5°	0.9	1.2	1.7	2.1	2.1
70°	0.9	1.2	1.4	1.9	1.9
72.5°	0.9	1.2	1.4	1.7	1.9
75°	0.7	0.9	1.2	1.4	1.7
77.5°	0.7	0.9	0.9	1.4	1.4
80°	0.7	0.7	0.7	0.9	0.9
82.5°	0.7	0.7	0.5	0.7	0.7
85°	0.7	0.5	0.5	0.5	0.5
87.5°	0.5	0.5	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)