

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: P1342893

Luminaire Tested: P3A09R459030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1342893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R459030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

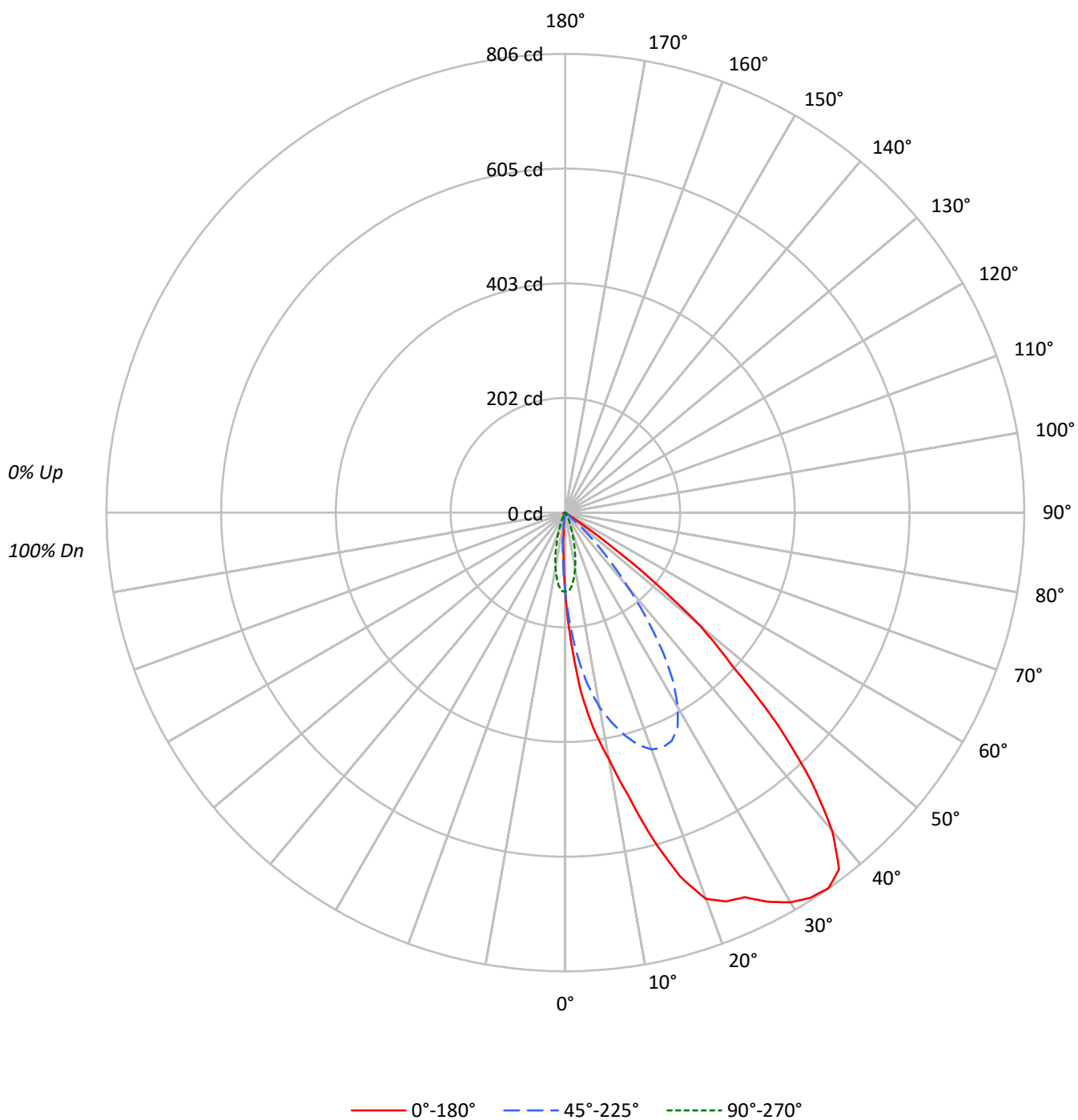
Lumens per Lamp: N/A
Luminaire Lumens: 364.9 lumens
Efficiency: N/A
Efficacy: 24.8 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	57	52	62	56	51	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	47	43	51	46	42	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°	30458	30458	30458	30458	30458
5°	69403	56306	28483	11424	7792
10°	97816	77353	22021	2516	1158
15°	134779	92032	14075	840	704
20°	168528	103352	7327	560	560
25°	180349	107014	3387	436	508
30°	200183	99939	1545	456	532
35°	215653	79665	482	482	642
40°	208648	49378	258	601	773
45°	163862	23289	279	744	961
50°	105276	2695	409	921	1262
55°	15980	229	459	1185	1529
60°	263	263	526	1360	1623
65°	311	311	623	1401	1920
70°	385	385	769	1539	2180
75°	254	508	1017	1779	2288
80°	379	758	1137	1894	2652
85°	0	755	1510	2264	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 163862 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	4.2
10°-20°	55.0	15.1
20°-30°	96.5	26.5
30°-40°	109.6	30.0
40°-50°	71.0	19.5
50°-60°	13.9	3.8
60°-70°	1.7	0.5
70°-80°	1.4	0.4
80°-90°	0.6	0.2
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°	166.7	45.7
0°-40°	276.3	75.7
0°-60°	361.2	99.0
0°-90°	364.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	364.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	139	139	139	139	139	
5°	315	256	129	52	35	34
15°	594	405	62	4	3	171
25°	745	442	14	2	2	349
35°	806	298	2	2	2	495
45°	528	75	1	2	3	398
55°	42	1	1	3	4	80
65°	1	1	1	3	4	1
75°	0	1	1	2	3	0
85°	0	0	1	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9
2.5°	225.6	225.0	225.9	219.8	219.5	214.9	213.7	208.5	201.5	198.1	190.2
5°	315.3	312.3	312.3	304.9	302.5	297.3	288.5	277.5	268.3	255.8	242.4
7.5°	384.6	384.0	384.0	377.6	371.5	364.2	352.3	339.7	325.1	305.9	286.3
10°	439.3	440.2	437.4	431.6	422.8	414.8	400.8	385.5	367.5	347.4	321.4
12.5°	508.2	501.5	499.4	486.3	475.0	459.7	442.9	425.5	403.2	377.9	348.6
15°	593.7	585.2	576.6	559.2	540.3	516.8	490.5	464.9	436.2	405.4	368.7
17.5°	670.0	670.0	658.7	631.3	606.8	572.0	536.6	502.4	468.6	428.0	382.2
20°	722.2	719.5	710.9	690.8	663.0	623.6	577.5	529.6	488.7	442.9	389.8
22.5°	739.3	738.7	739.0	727.1	704.8	663.9	607.5	551.0	499.7	446.6	386.1
25°	745.4	746.6	749.7	745.1	728.3	687.4	625.8	561.1	503.1	442.3	372.1
27.5°	770.8	768.3	771.7	768.6	749.7	700.9	629.4	558.6	495.7	426.7	347.1
30°	790.6	790.0	795.8	793.0	768.3	709.4	626.1	549.5	477.7	394.7	307.7
32.5°	801.9	802.2	803.7	792.4	755.8	690.8	609.6	530.8	443.8	352.9	256.4
35°	805.6	803.7	795.2	767.4	717.3	647.7	569.0	486.6	397.7	297.6	202.7
37.5°	789.7	780.2	758.2	716.7	658.7	593.7	517.1	430.7	334.6	235.0	151.1
40°	728.9	716.4	688.6	646.2	592.2	529.3	450.9	360.5	259.5	172.5	106.2
42.5°	638.0	631.6	602.6	565.6	519.8	456.4	375.5	283.9	192.0	119.0	67.8
45°	528.4	520.1	501.8	469.2	433.2	366.6	291.2	203.3	131.0	75.1	33.6
47.5°	396.2	396.8	384.3	359.6	324.2	268.6	199.3	136.4	82.1	38.8	7.6
50°	308.6	304.3	286.6	261.3	220.1	178.9	128.8	86.1	43.3	7.9	0.6
52.5°	170.9	173.7	164.2	156.0	134.6	106.8	76.0	43.7	9.2	0.9	0.6
55°	41.8	44.3	42.4	43.3	44.9	40.0	30.8	8.5	0.9	0.6	0.6
57.5°	0.9	0.9	0.9	0.9	1.5	2.1	2.1	0.6	0.6	0.6	0.6
60°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9
2.5°	186.2	180.4	169.7	138.0	110.8	89.4	76.6	75.4
5°	230.5	214.9	192.3	129.4	81.8	51.9	37.5	35.4
7.5°	265.6	243.6	208.8	115.4	55.9	26.6	14.7	12.2
10°	294.6	263.4	217.3	98.9	35.1	11.3	6.1	5.2
12.5°	314.4	276.9	218.9	80.6	20.1	5.5	4.0	3.7
15°	327.2	281.1	211.5	62.0	11.3	3.7	3.4	3.1
17.5°	332.4	277.5	197.5	44.9	6.1	2.7	2.7	2.7
20°	330.0	265.6	176.7	31.4	4.0	2.4	2.4	2.4
22.5°	318.4	245.1	150.8	21.1	2.7	2.1	2.1	2.1
25°	295.5	217.3	123.3	14.0	1.8	1.8	2.1	2.1
27.5°	261.3	183.2	94.3	9.5	1.5	1.8	2.1	2.1
30°	218.3	145.0	67.8	6.1	1.5	1.8	1.8	2.1
32.5°	173.4	105.6	44.6	3.7	1.2	1.8	2.1	2.4
35°	125.8	72.0	28.4	1.8	1.5	1.8	2.1	2.4
37.5°	88.2	47.0	16.5	1.2	1.5	1.8	2.4	2.4
40°	57.4	26.3	6.1	0.9	1.5	2.1	2.4	2.7
42.5°	29.9	9.2	1.2	0.9	1.5	2.1	2.7	3.1
45°	7.6	1.2	0.3	0.9	1.8	2.4	3.1	3.1
47.5°	0.9	0.3	0.3	1.2	1.8	2.7	3.1	3.4
50°	0.3	0.6	0.6	1.2	1.8	2.7	3.4	3.7
52.5°	0.6	0.6	0.6	1.2	2.1	2.7	3.7	4.0
55°	0.6	0.6	0.6	1.2	2.1	3.1	3.7	4.0
57.5°	0.6	0.6	0.6	1.2	2.1	3.1	3.7	3.7
60°	0.6	0.6	0.6	1.2	2.1	3.1	3.7	3.7
62.5°	0.6	0.6	0.9	1.2	2.1	2.7	3.7	3.7
65°	0.6	0.9	0.9	1.2	2.1	2.7	3.4	3.7
67.5°	0.6	0.6	0.9	1.2	2.1	2.7	3.4	3.7
70°	0.6	0.6	0.9	1.2	1.8	2.4	3.1	3.4
72.5°	0.6	0.6	0.9	1.2	1.8	2.4	2.7	3.1
75°	0.6	0.6	0.9	1.2	1.5	2.1	2.7	2.7
77.5°	0.6	0.6	0.9	0.9	1.5	1.8	2.4	2.4
80°	0.6	0.6	0.9	0.9	1.2	1.5	1.8	2.1
82.5°	0.6	0.6	0.6	0.9	0.9	1.2	1.5	1.5
85°	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.9
87.5°	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)