

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: P1341869

Luminaire Tested: P3A09R359030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1341869
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: P3A09R359030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

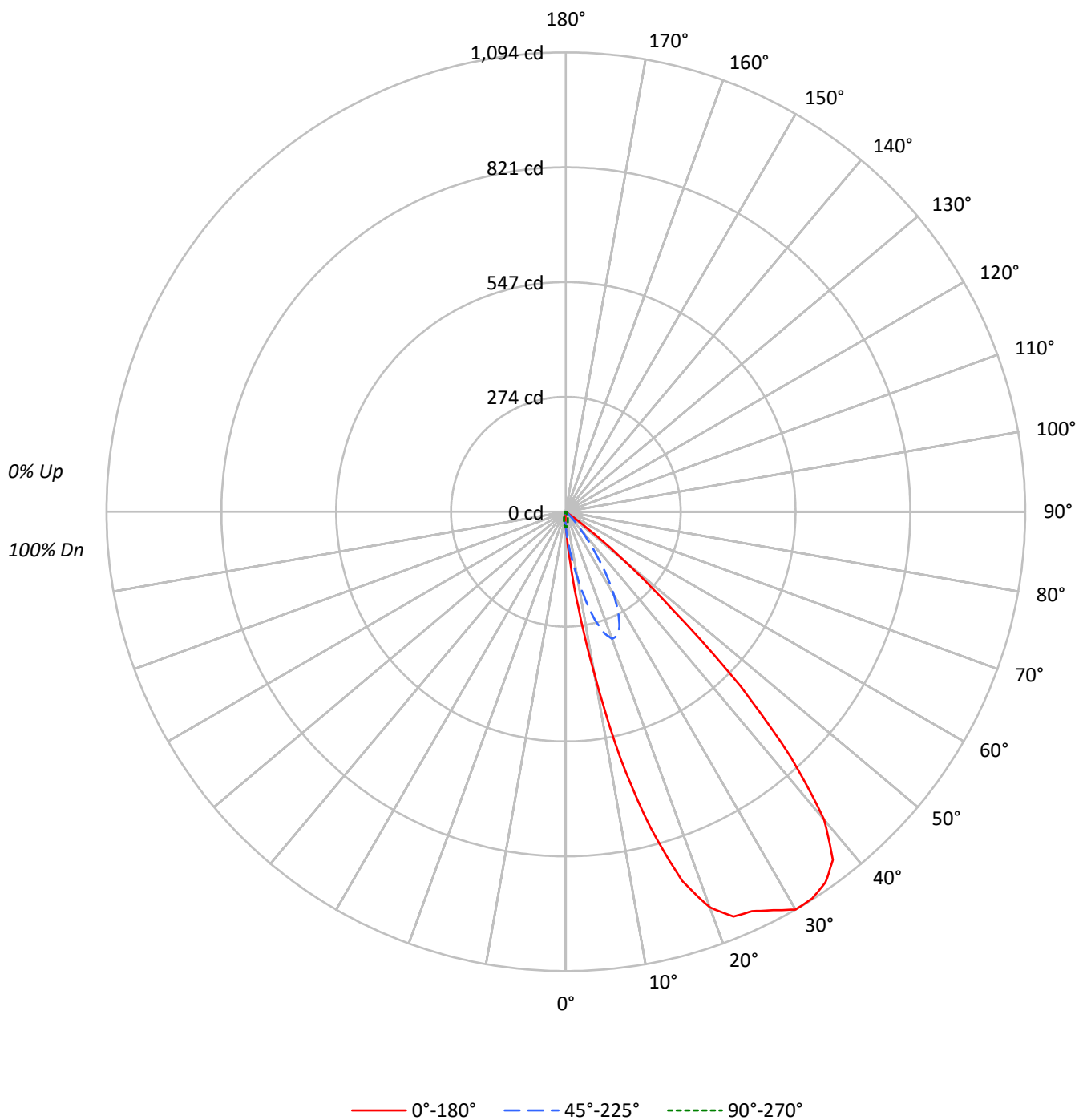
Lumens per Lamp: N/A
Luminaire Lumens: 343.9 lumens
Efficiency: N/A
Efficacy: 23.4 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7916	7916	7916	7916	7916
5°	26987	17543	7418	3126	2311
10°	86839	35537	5834	1158	757
15°	176936	60295	4132	431	272
20°	233984	75093	2660	140	140
25°	253878	72996	1500	73	145
30°	276954	58161	633	76	152
35°	288572	36219	161	80	161
40°	273856	15830	86	172	258
45°	182810	6326	93	279	465
50°	61303	1058	205	409	648
55°	3441	115	229	573	841
60°	263	132	395	658	965
65°	311	156	467	778	1141
70°	192	192	577	962	1218
75°	254	254	763	1017	1271
80°	0	379	1137	1137	1137
85°	0	755	2264	755	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 182810 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	1.8
10°-20°	49.4	14.4
20°-30°	104.3	30.3
30°-40°	118.3	34.4
40°-50°	58.2	16.9
50°-60°	5.0	1.5
60°-70°	1.0	0.3
70°-80°	0.9	0.3
80°-90°	0.5	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°	160.0	46.5
0°-40°	278.3	80.9
0°-60°	341.5	99.3
0°-90°	343.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	343.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	36	36	36	36	36	
5°	123	80	34	14	10	20
15°	779	266	18	2	1	222
25°	1049	302	6	0	1	488
35°	1078	135	1	0	1	664
45°	590	20	0	1	2	436
55°	9	0	1	2	2	35
65°	1	0	1	2	2	0
75°	0	0	1	1	2	0
85°	0	0	1	0	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°	67.5°
0°	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
2.5°	62.7	64.2	63.6	63.3	63.0	61.8	59.0	58.7	55.9	54.0	44.8
5°	122.6	120.1	120.7	117.3	113.0	106.8	102.8	94.2	87.1	79.7	52.2
7.5°	231.0	227.6	221.1	211.2	201.0	187.7	167.7	151.6	133.1	115.5	58.1
10°	390.0	388.2	379.8	354.5	332.3	296.8	263.4	228.2	193.6	159.6	62.1
12.5°	602.5	589.8	574.7	541.0	497.2	452.7	386.9	326.1	270.8	214.0	62.4
15°	779.4	771.4	750.1	706.2	653.4	589.2	511.1	429.2	345.9	265.6	59.3
17.5°	921.8	909.4	881.9	839.0	778.2	694.8	603.4	503.6	402.1	302.3	54.0
20°	1002.7	996.2	975.2	932.3	865.9	774.8	670.7	554.6	437.3	321.8	47.2
22.5°	1043.4	1038.8	1023.4	989.1	927.0	835.3	716.1	581.2	447.4	319.6	40.1
25°	1049.3	1048.1	1034.8	1008.8	957.0	866.2	735.9	586.1	439.1	301.7	33.3
27.5°	1069.7	1065.3	1049.6	1023.7	971.5	871.4	729.1	569.1	412.2	270.2	27.8
30°	1093.8	1090.7	1074.9	1048.1	986.3	866.5	705.0	531.4	369.3	229.7	20.7
32.5°	1091.9	1090.7	1077.4	1049.0	975.8	837.5	662.1	474.9	311.0	181.3	13.0
35°	1078.0	1073.7	1057.0	1013.2	915.9	762.7	580.5	398.3	246.1	135.3	8.3
37.5°	1044.7	1035.4	1007.3	932.9	808.7	647.5	472.8	307.6	174.2	90.5	5.2
40°	956.7	944.9	888.4	798.5	668.5	510.1	351.7	211.5	114.9	55.3	2.2
42.5°	793.6	769.8	713.3	621.0	499.0	360.7	231.0	137.1	67.6	33.3	0.6
45°	589.5	571.3	512.0	428.3	327.0	231.3	139.9	74.1	37.4	20.4	0.3
47.5°	343.4	332.3	301.7	246.7	180.6	121.4	71.6	39.8	21.9	9.9	0.3
50°	179.7	165.8	142.7	108.1	79.7	55.9	34.9	21.3	10.8	3.1	0.3
52.5°	63.0	62.1	56.5	42.6	34.6	25.0	17.0	9.3	3.1	0.6	0.3
55°	9.0	9.0	8.3	9.3	9.9	9.0	5.9	2.5	0.6	0.3	0.3
57.5°	0.6	0.6	0.6	0.9	1.2	1.2	0.9	0.3	0.3	0.3	0.6
60°	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
62.5°	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
65°	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9
77.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6
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°	36.1	36.1	36.1	36.1	36.1
2.5°	35.8	28.7	22.9	20.1	19.1
5°	33.7	21.6	14.2	11.1	10.5
7.5°	30.0	15.4	8.6	6.2	5.9
10°	26.2	11.1	5.2	3.7	3.4
12.5°	21.9	7.7	3.4	2.2	1.9
15°	18.2	5.2	1.9	1.5	1.2
17.5°	14.5	3.4	1.2	0.9	1.2
20°	11.4	2.2	0.6	0.6	0.6
22.5°	8.6	1.2	0.6	0.6	0.6
25°	6.2	0.6	0.3	0.3	0.6
27.5°	4.3	0.3	0.3	0.3	0.6
30°	2.5	0.3	0.3	0.3	0.6
32.5°	1.2	0.3	0.3	0.6	0.6
35°	0.6	0.3	0.3	0.6	0.6
37.5°	0.3	0.3	0.3	0.6	0.9
40°	0.3	0.3	0.6	0.9	0.9
42.5°	0.3	0.3	0.6	0.9	1.2
45°	0.3	0.6	0.9	1.2	1.5
47.5°	0.6	0.6	1.2	1.5	1.9
50°	0.6	0.9	1.2	1.9	1.9
52.5°	0.6	0.9	1.5	1.9	2.2
55°	0.6	1.2	1.5	2.2	2.2
57.5°	0.9	1.2	1.5	2.2	2.2
60°	0.9	1.2	1.5	2.2	2.2
62.5°	0.9	1.2	1.5	2.2	2.2
65°	0.9	1.2	1.5	2.2	2.2
67.5°	0.9	1.2	1.5	1.9	2.2
70°	0.9	1.2	1.5	1.9	1.9
72.5°	1.2	1.2	1.5	1.9	1.9
75°	0.9	1.2	1.2	1.5	1.5
77.5°	0.9	0.9	0.9	1.2	1.2
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.6	0.6	0.9	0.9
85°	0.9	0.6	0.3	0.6	0.6
87.5°	0.6	0.6	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)