

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: P1345607

Luminaire Tested: P3A13R359840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345607
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: P3A13R359840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

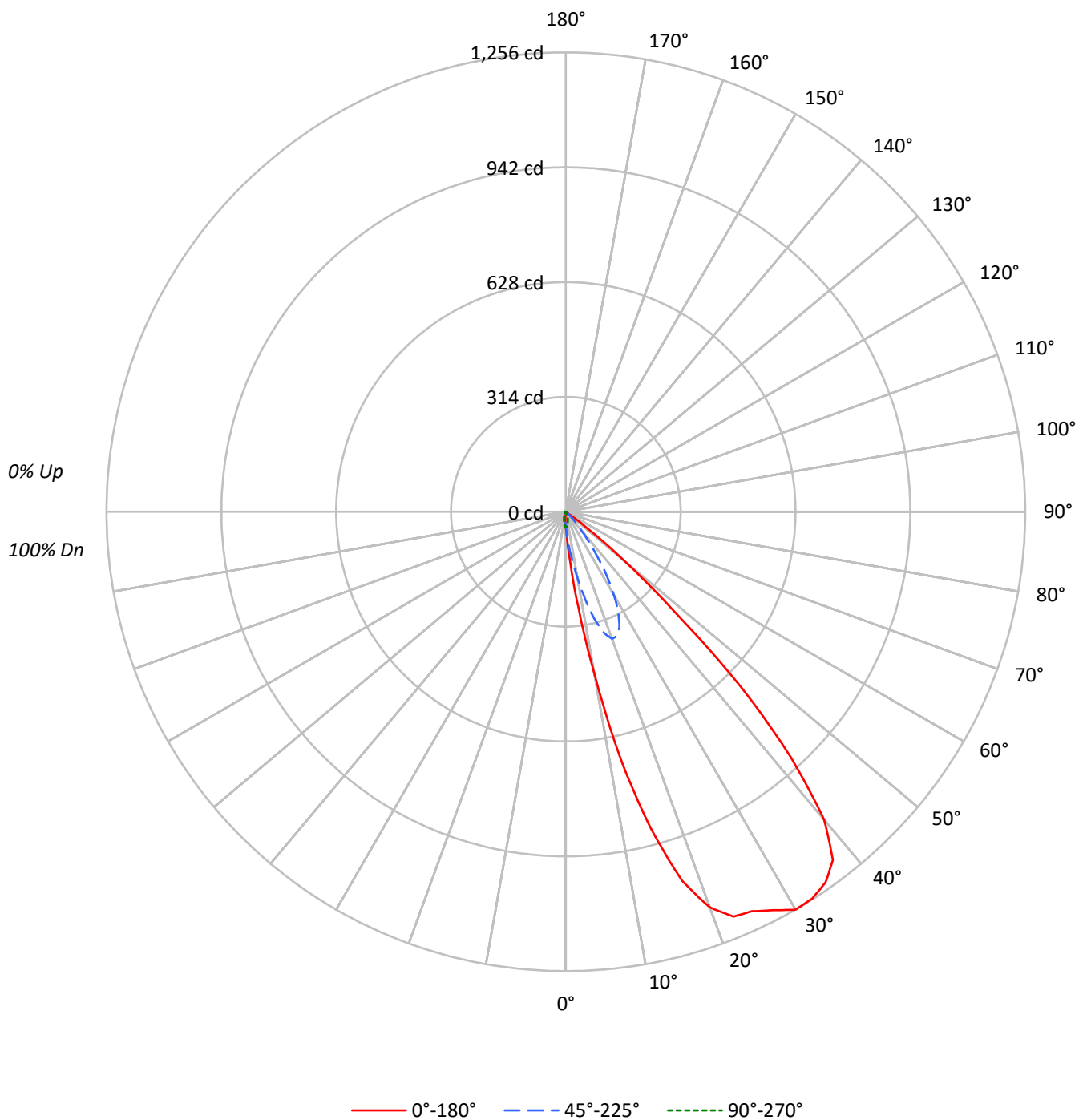
Lumens per Lamp: N/A
Luminaire Lumens: 395.1 lumens
Efficiency: N/A
Efficacy: 27.2 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	84	84	83
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	76	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	60
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	56	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	42	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9100	9100	9100	9100	9100
5°	30993	20141	8497	3588	2663
10°	99709	40814	6702	1336	868
15°	203179	69217	4745	477	318
20°	268660	86224	3057	163	163
25°	291525	83811	1718	97	169
30°	317998	66795	709	101	177
35°	331350	41573	187	107	187
40°	314446	18177	115	200	315
45°	209913	7257	124	341	558
50°	70411	1194	239	478	716
55°	3938	153	268	688	956
60°	307	175	482	789	1096
65°	363	208	571	934	1297
70°	256	256	705	1154	1346
75°	339	339	932	1186	1525
80°	0	505	1389	1389	1389
85°	0	1006	2768	1006	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 209913 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	1.8
10°-20°	56.7	14.4
20°-30°	119.7	30.3
30°-40°	135.9	34.4
40°-50°	66.9	16.9
50°-60°	5.8	1.5
60°-70°	1.2	0.3
70°-80°	1.1	0.3
80°-90°	0.6	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°	183.7	46.5
0°-40°	319.5	80.9
0°-60°	392.2	99.3
0°-90°	395.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	395.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	141	92	39	16	12	23
15°	895	305	21	2	1	254
25°	1205	346	7	0	1	561
35°	1238	155	1	0	1	763
45°	677	23	0	1	2	500
55°	10	0	1	2	2	40
65°	1	0	1	2	2	1
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°	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
2.5°	72.0	73.8	73.0	72.7	72.3	70.9	67.7	67.4	64.2	62.1	51.4
5°	140.8	137.9	138.6	134.7	129.8	122.7	118.1	108.1	100.0	91.5	59.9
7.5°	265.2	261.3	253.9	242.5	230.8	215.6	192.5	174.1	152.8	132.6	66.7
10°	447.8	445.7	436.1	407.1	381.5	340.7	302.5	262.0	222.3	183.3	71.3
12.5°	691.8	677.2	659.9	621.2	570.9	519.8	444.3	374.4	311.0	245.7	71.6
15°	895.0	885.7	861.3	810.9	750.3	676.5	586.8	492.9	397.1	304.9	68.1
17.5°	1058.4	1044.2	1012.7	963.4	893.5	797.8	692.8	578.3	461.7	347.1	62.1
20°	1151.3	1143.9	1119.8	1070.5	994.2	889.6	770.1	636.8	502.1	369.5	54.3
22.5°	1198.1	1192.8	1175.1	1135.7	1064.4	959.1	822.3	667.3	513.8	367.0	46.1
25°	1204.9	1203.4	1188.2	1158.4	1098.8	994.6	845.0	673.0	504.2	346.4	38.3
27.5°	1228.3	1223.3	1205.2	1175.4	1115.5	1000.6	837.2	653.5	473.4	310.3	31.9
30°	1255.9	1252.4	1234.3	1203.4	1132.5	994.9	809.5	610.2	424.1	263.8	23.8
32.5°	1253.8	1252.4	1237.1	1204.5	1120.5	961.6	760.2	545.3	357.1	208.1	14.9
35°	1237.8	1232.9	1213.7	1163.4	1051.7	875.8	666.6	457.4	282.6	155.3	9.6
37.5°	1199.5	1188.9	1156.6	1071.2	928.6	743.5	542.9	353.2	200.0	103.9	6.0
40°	1098.5	1085.0	1020.1	916.9	767.7	585.8	403.9	242.9	131.9	63.5	2.5
42.5°	911.3	884.0	819.1	713.1	573.0	414.1	265.2	157.4	77.7	38.3	0.7
45°	676.9	656.0	587.9	491.8	375.5	265.6	160.6	85.1	42.9	23.4	0.4
47.5°	394.3	381.5	346.4	283.3	207.4	139.3	82.3	45.7	25.2	11.3	0.4
50°	206.4	190.4	163.8	124.1	91.5	64.2	40.1	24.5	12.4	3.5	0.4
52.5°	72.3	71.3	64.9	48.9	39.7	28.7	19.5	10.6	3.5	0.7	0.4
55°	10.3	10.3	9.6	10.6	11.3	10.3	6.7	2.8	0.7	0.4	0.4
57.5°	0.7	0.7	0.7	1.1	1.4	1.4	1.1	0.4	0.4	0.4	0.7
60°	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
62.5°	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
65°	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7
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°	41.5	41.5	41.5	41.5	41.5
2.5°	41.1	33.0	26.2	23.0	22.0
5°	38.6	24.8	16.3	12.8	12.1
7.5°	34.4	17.7	9.9	7.1	6.7
10°	30.1	12.8	6.0	4.3	3.9
12.5°	25.2	8.9	3.9	2.5	2.1
15°	20.9	6.0	2.1	1.8	1.4
17.5°	16.7	3.9	1.4	1.1	1.4
20°	13.1	2.5	0.7	0.7	0.7
22.5°	9.9	1.4	0.7	0.7	0.7
25°	7.1	0.7	0.4	0.4	0.7
27.5°	5.0	0.4	0.4	0.4	0.7
30°	2.8	0.4	0.4	0.4	0.7
32.5°	1.4	0.4	0.4	0.7	0.7
35°	0.7	0.4	0.4	0.7	0.7
37.5°	0.4	0.4	0.4	0.7	1.1
40°	0.4	0.4	0.7	1.1	1.1
42.5°	0.4	0.4	0.7	1.1	1.4
45°	0.4	0.7	1.1	1.4	1.8
47.5°	0.7	0.7	1.4	1.8	2.1
50°	0.7	1.1	1.4	2.1	2.1
52.5°	0.7	1.1	1.8	2.1	2.5
55°	0.7	1.4	1.8	2.5	2.5
57.5°	1.1	1.4	1.8	2.5	2.5
60°	1.1	1.4	1.8	2.5	2.5
62.5°	1.1	1.4	1.8	2.5	2.5
65°	1.1	1.4	1.8	2.5	2.5
67.5°	1.1	1.4	1.8	2.1	2.5
70°	1.1	1.4	1.8	2.1	2.1
72.5°	1.4	1.4	1.8	2.1	2.1
75°	1.1	1.4	1.4	1.8	1.8
77.5°	1.1	1.1	1.1	1.4	1.4
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	0.7	0.7	1.1	1.1
85°	1.1	0.7	0.4	0.7	0.7
87.5°	0.7	0.7	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)