

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: P1345495

Luminaire Tested: P3A13R359727DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345495
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: P3A13R359727DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

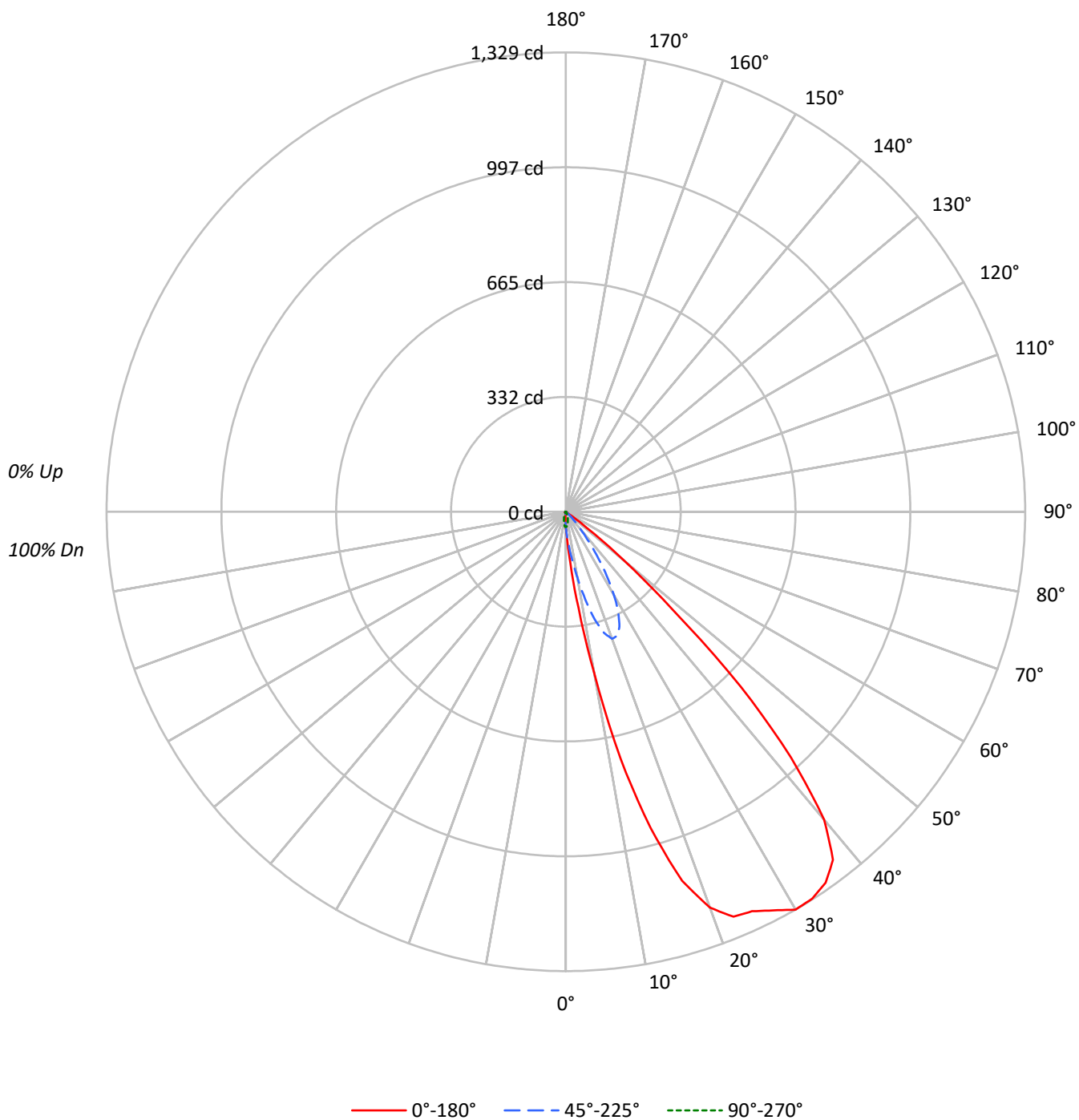
Lumens per Lamp: N/A
Luminaire Lumens: 418.1 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	83	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°	9626	9626	9626	9626	9626
5°	32798	21307	9003	3808	2818
10°	105520	43197	7103	1425	913
15°	215007	73258	5017	522	341
20°	284295	91241	3244	187	187
25°	308486	88699	1815	97	194
30°	336507	70694	760	101	203
35°	350650	43982	214	107	214
40°	332738	19236	115	229	315
45°	222132	7691	124	341	589
50°	74505	1296	273	512	785
55°	4167	153	306	726	994
60°	351	175	482	833	1140
65°	415	208	571	986	1349
70°	256	256	705	1218	1475
75°	339	339	932	1271	1610
80°	0	505	1389	1389	1389
85°	0	1006	2768	1006	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 222132 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	1.8
10°-20°	60.0	14.4
20°-30°	126.7	30.3
30°-40°	143.8	34.4
40°-50°	70.8	16.9
50°-60°	6.1	1.5
60°-70°	1.3	0.3
70°-80°	1.2	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°	194.4	46.5
0°-40°	338.1	80.9
0°-60°	415.1	99.3
0°-90°	418.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	418.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	44	44	44	44	44	
5°	149	97	41	17	13	25
15°	947	323	22	2	2	269
25°	1275	367	8	0	1	593
35°	1310	164	1	0	1	807
45°	716	25	0	1	2	529
55°	11	0	1	2	3	43
65°	1	0	1	2	3	1
75°	0	0	1	2	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°	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
2.5°	76.2	78.0	77.3	76.9	76.5	75.0	71.7	71.3	67.9	65.7	54.4
5°	149.0	146.0	146.7	142.6	137.3	129.8	124.9	114.4	105.8	96.8	63.4
7.5°	280.7	276.5	268.7	256.7	244.3	228.1	203.7	184.2	161.7	140.3	70.5
10°	473.9	471.7	461.5	430.8	403.7	360.6	320.1	277.3	235.3	194.0	75.4
12.5°	732.1	716.7	698.3	657.4	604.1	550.1	470.2	396.2	329.1	260.0	75.8
15°	947.1	937.3	911.4	858.1	794.0	715.9	621.0	521.6	420.2	322.7	72.0
17.5°	1120.0	1105.0	1071.6	1019.5	945.6	844.3	733.2	612.0	488.5	367.3	65.7
20°	1218.3	1210.5	1185.0	1132.8	1052.1	941.4	815.0	673.9	531.3	391.0	57.4
22.5°	1267.9	1262.3	1243.5	1201.8	1126.4	1015.0	870.1	706.2	543.7	388.4	48.8
25°	1275.0	1273.5	1257.4	1225.9	1162.8	1052.5	894.2	712.2	533.6	366.6	40.5
27.5°	1299.8	1294.5	1275.4	1243.9	1180.5	1058.9	885.9	691.5	500.9	328.3	33.8
30°	1329.0	1325.3	1306.2	1273.5	1198.5	1052.9	856.6	645.8	448.8	279.2	25.1
32.5°	1326.8	1325.3	1309.2	1274.6	1185.7	1017.6	804.5	577.1	377.8	220.3	15.8
35°	1309.9	1304.7	1284.4	1231.1	1112.9	926.8	705.4	484.0	299.1	164.3	10.1
37.5°	1269.4	1258.1	1224.0	1133.5	982.7	786.8	574.5	373.7	211.6	109.9	6.4
40°	1162.4	1148.2	1079.5	970.3	812.4	619.9	427.4	257.0	139.6	67.2	2.6
42.5°	964.3	935.4	866.8	754.6	606.4	438.3	280.7	166.6	82.2	40.5	0.8
45°	716.3	694.2	622.1	520.4	397.4	281.0	170.0	90.1	45.4	24.8	0.4
47.5°	417.2	403.7	366.6	299.8	219.5	147.5	87.1	48.4	26.6	12.0	0.4
50°	218.4	201.5	173.4	131.3	96.8	67.9	42.4	25.9	13.1	3.8	0.4
52.5°	76.5	75.4	68.7	51.8	42.0	30.4	20.6	11.3	3.8	0.8	0.4
55°	10.9	10.9	10.1	11.3	12.0	10.9	7.1	3.0	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.1	1.5	1.5	1.1	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
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	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	43.9	43.9	43.9	43.9	43.9
2.5°	43.5	34.9	27.8	24.4	23.3
5°	40.9	26.3	17.3	13.5	12.8
7.5°	36.4	18.8	10.5	7.5	7.1
10°	31.9	13.5	6.4	4.5	4.1
12.5°	26.6	9.4	4.1	2.6	2.3
15°	22.1	6.4	2.3	1.9	1.5
17.5°	17.6	4.1	1.5	1.1	1.5
20°	13.9	2.6	0.8	0.8	0.8
22.5°	10.5	1.5	0.8	0.8	0.8
25°	7.5	0.8	0.4	0.4	0.8
27.5°	5.3	0.4	0.4	0.4	0.8
30°	3.0	0.4	0.4	0.4	0.8
32.5°	1.5	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.1
40°	0.4	0.4	0.8	1.1	1.1
42.5°	0.4	0.4	0.8	1.1	1.5
45°	0.4	0.8	1.1	1.5	1.9
47.5°	0.8	0.8	1.5	1.9	2.3
50°	0.8	1.1	1.5	2.3	2.3
52.5°	0.8	1.1	1.9	2.3	2.6
55°	0.8	1.5	1.9	2.6	2.6
57.5°	1.1	1.5	1.9	2.6	2.6
60°	1.1	1.5	1.9	2.6	2.6
62.5°	1.1	1.5	1.9	2.6	2.6
65°	1.1	1.5	1.9	2.6	2.6
67.5°	1.1	1.5	1.9	2.3	2.6
70°	1.1	1.5	1.9	2.3	2.3
72.5°	1.5	1.5	1.9	2.3	2.3
75°	1.1	1.5	1.5	1.9	1.9
77.5°	1.1	1.1	1.1	1.5	1.5
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	0.8	0.8	1.1	1.1
85°	1.1	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)