

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: P1345975

Luminaire Tested: P3A13R409040DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345975
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: P3A13R409040DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

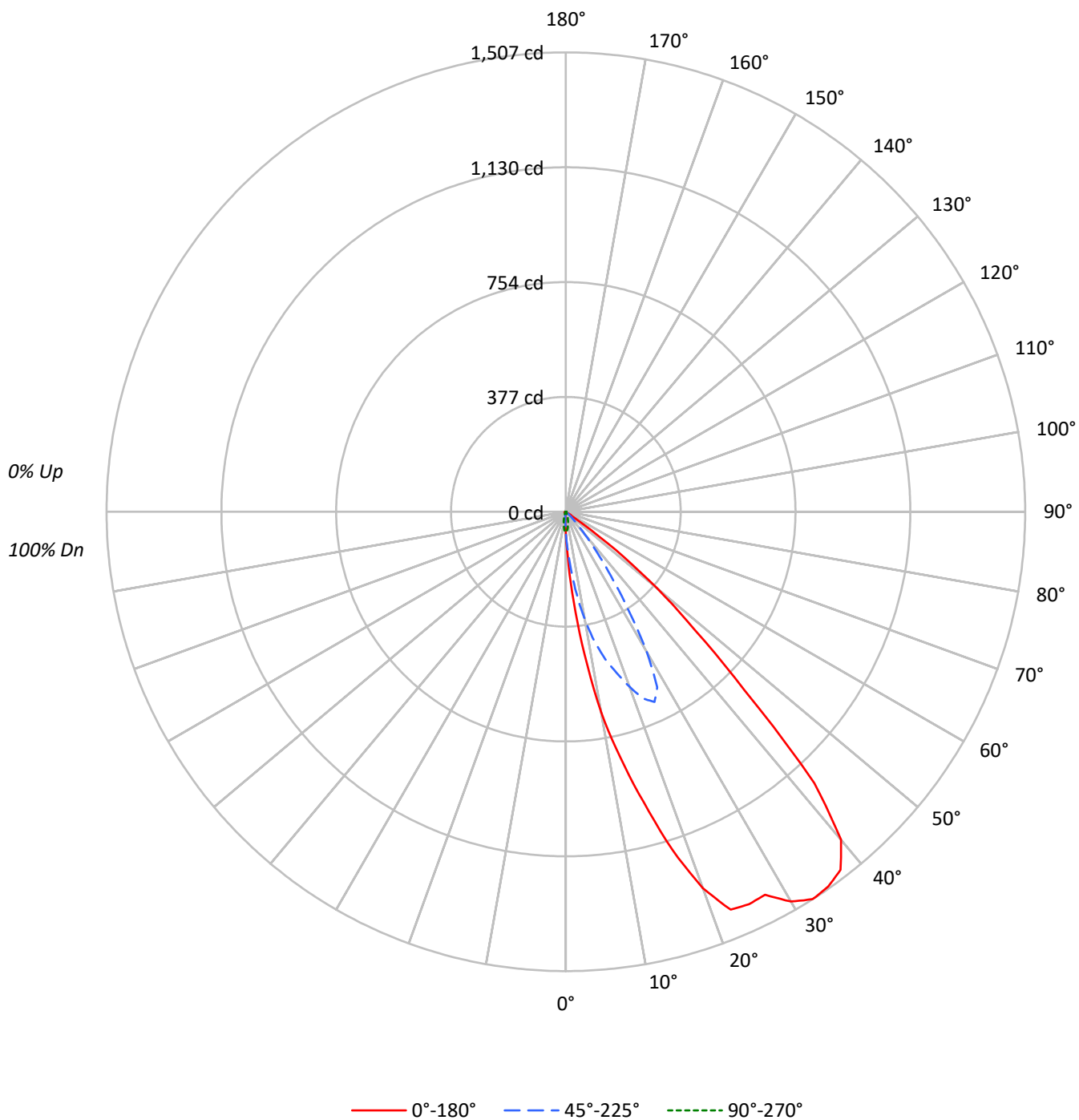
Lumens per Lamp: N/A
Luminaire Lumens: 556.0 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	71	90	82	76	71	80	74	70	78	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	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54		
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14429	14429	14429	14429	14429
5°	65067	41470	12921	4975	3610
10°	149207	80159	9107	1781	1358
15°	223929	113712	5653	953	863
20°	306603	142556	3290	537	653
25°	343713	166558	1694	460	556
30°	373855	134451	709	354	582
35°	401779	68797	241	509	750
40°	401924	27451	143	544	945
45°	256616	9179	279	868	1302
50°	133215	1126	478	1126	1603
55°	11507	191	535	1453	1988
60°	395	219	614	1667	2281
65°	467	259	986	1712	2439
70°	321	321	1218	1795	2436
75°	424	424	1186	1949	2796
80°	631	631	1768	1768	2399
85°	0	1258	3522	2264	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 256616 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	2.3
10°-20°	75.3	13.5
20°-30°	164.8	29.6
30°-40°	187.8	33.8
40°-50°	99.1	17.8
50°-60°	11.7	2.1
60°-70°	2.1	0.4
70°-80°	1.7	0.3
80°-90°	0.8	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°	252.9	45.5
0°-40°	440.6	79.3
0°-60°	551.4	99.2
0°-90°	556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	556.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	66	66	66	66	66	
5°	296	188	59	23	16	40
15°	986	501	25	4	4	291
25°	1421	688	7	2	2	655
35°	1501	257	1	2	3	930
45°	828	30	1	3	4	667
55°	30	0	1	4	5	93
65°	1	0	2	3	5	1
75°	0	0	1	2	3	1
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°	67.5°
0°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	146.6	146.6	146.1	141.9	141.4	141.0	133.5	131.6	122.6	116.5	88.8
5°	295.6	289.0	288.5	281.0	268.3	251.4	240.6	223.2	206.3	188.4	109.5
7.5°	470.9	476.5	461.0	453.0	424.8	404.6	373.6	346.3	308.3	272.6	126.4
10°	670.1	660.2	644.7	629.2	598.7	562.5	516.4	468.0	413.1	360.0	135.8
12.5°	825.7	813.0	803.6	782.4	752.3	705.8	650.8	586.0	513.2	436.6	135.3
15°	986.4	973.7	952.5	933.7	889.1	836.9	777.2	691.7	602.4	500.9	125.5
17.5°	1163.1	1146.6	1123.1	1094.4	1051.2	993.4	917.8	813.4	687.0	553.6	107.6
20°	1313.9	1304.0	1280.5	1246.7	1204.4	1148.0	1060.6	945.0	790.9	610.9	85.5
22.5°	1412.6	1403.7	1387.7	1358.1	1326.1	1266.0	1186.1	1059.2	877.8	663.1	64.8
25°	1420.6	1416.8	1412.6	1402.7	1383.4	1340.7	1262.7	1125.9	931.9	688.4	47.9
27.5°	1416.3	1414.9	1414.0	1408.8	1396.1	1353.8	1274.0	1135.8	924.8	649.0	35.2
30°	1476.5	1472.3	1469.9	1453.0	1419.6	1354.3	1250.0	1082.7	821.9	531.0	25.4
32.5°	1507.0	1506.1	1503.7	1487.3	1440.3	1355.3	1209.6	954.4	651.8	383.5	17.4
35°	1500.9	1496.2	1487.8	1457.2	1391.9	1285.2	1078.9	762.2	470.4	257.0	11.3
37.5°	1480.3	1469.4	1453.0	1398.0	1311.1	1165.4	875.0	561.1	320.0	166.4	6.6
40°	1404.1	1389.6	1363.7	1296.5	1182.3	960.5	647.1	379.2	210.1	95.9	1.9
42.5°	1207.2	1188.4	1169.6	1094.4	963.8	716.2	425.7	234.5	119.8	52.6	0.5
45°	827.5	804.0	778.2	723.7	618.9	433.7	253.3	132.0	62.0	29.6	0.5
47.5°	574.7	563.9	518.8	449.2	344.5	229.8	131.1	64.8	32.9	13.6	0.5
50°	390.5	378.3	325.7	258.5	183.3	110.0	60.1	32.4	14.6	3.3	0.5
52.5°	204.9	189.8	156.5	119.4	74.2	46.1	26.3	14.1	4.2	0.5	0.5
55°	30.1	27.7	22.6	18.3	16.4	12.7	7.5	3.3	0.5	0.5	0.9
57.5°	0.9	0.9	0.9	0.9	1.4	1.4	0.9	0.5	0.5	0.5	0.9
60°	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.9
62.5°	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.9
65°	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.9
67.5°	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.9	1.4
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.4
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.4
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.9
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°	65.8	65.8	65.8	65.8	65.8
2.5°	64.8	47.9	37.1	32.0	31.5
5°	58.7	34.3	22.6	17.4	16.4
7.5°	49.8	24.0	13.2	9.4	8.9
10°	40.9	16.4	8.0	6.6	6.1
12.5°	32.4	10.8	5.6	5.2	4.7
15°	24.9	7.0	4.2	3.8	3.8
17.5°	18.8	4.7	3.3	3.3	3.3
20°	14.1	3.3	2.3	2.8	2.8
22.5°	9.9	2.3	1.9	2.3	2.3
25°	7.0	1.9	1.9	2.3	2.3
27.5°	4.7	1.4	1.4	1.9	2.3
30°	2.8	0.9	1.4	1.9	2.3
32.5°	1.4	0.9	1.4	2.3	2.3
35°	0.9	1.4	1.9	2.3	2.8
37.5°	0.5	1.4	1.9	2.8	2.8
40°	0.5	1.4	1.9	2.8	3.3
42.5°	0.9	1.9	2.3	3.3	3.8
45°	0.9	1.9	2.8	3.8	4.2
47.5°	0.9	1.9	3.3	4.2	4.2
50°	1.4	2.3	3.3	4.2	4.7
52.5°	1.4	2.3	3.3	4.7	5.2
55°	1.4	2.3	3.8	4.7	5.2
57.5°	1.4	2.8	3.8	4.7	5.2
60°	1.4	2.3	3.8	4.7	5.2
62.5°	1.9	2.3	3.3	4.7	4.7
65°	1.9	2.3	3.3	4.7	4.7
67.5°	1.9	2.3	3.3	4.2	4.2
70°	1.9	2.3	2.8	3.8	3.8
72.5°	1.9	2.3	2.8	3.3	3.8
75°	1.4	1.9	2.3	2.8	3.3
77.5°	1.4	1.9	1.9	2.8	2.8
80°	1.4	1.4	1.4	1.9	1.9
82.5°	1.4	1.4	0.9	1.4	1.4
85°	1.4	0.9	0.9	0.9	0.9
87.5°	0.9	0.9	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)