

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: P1344475

Luminaire Tested: P3A13R259727DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R259727DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

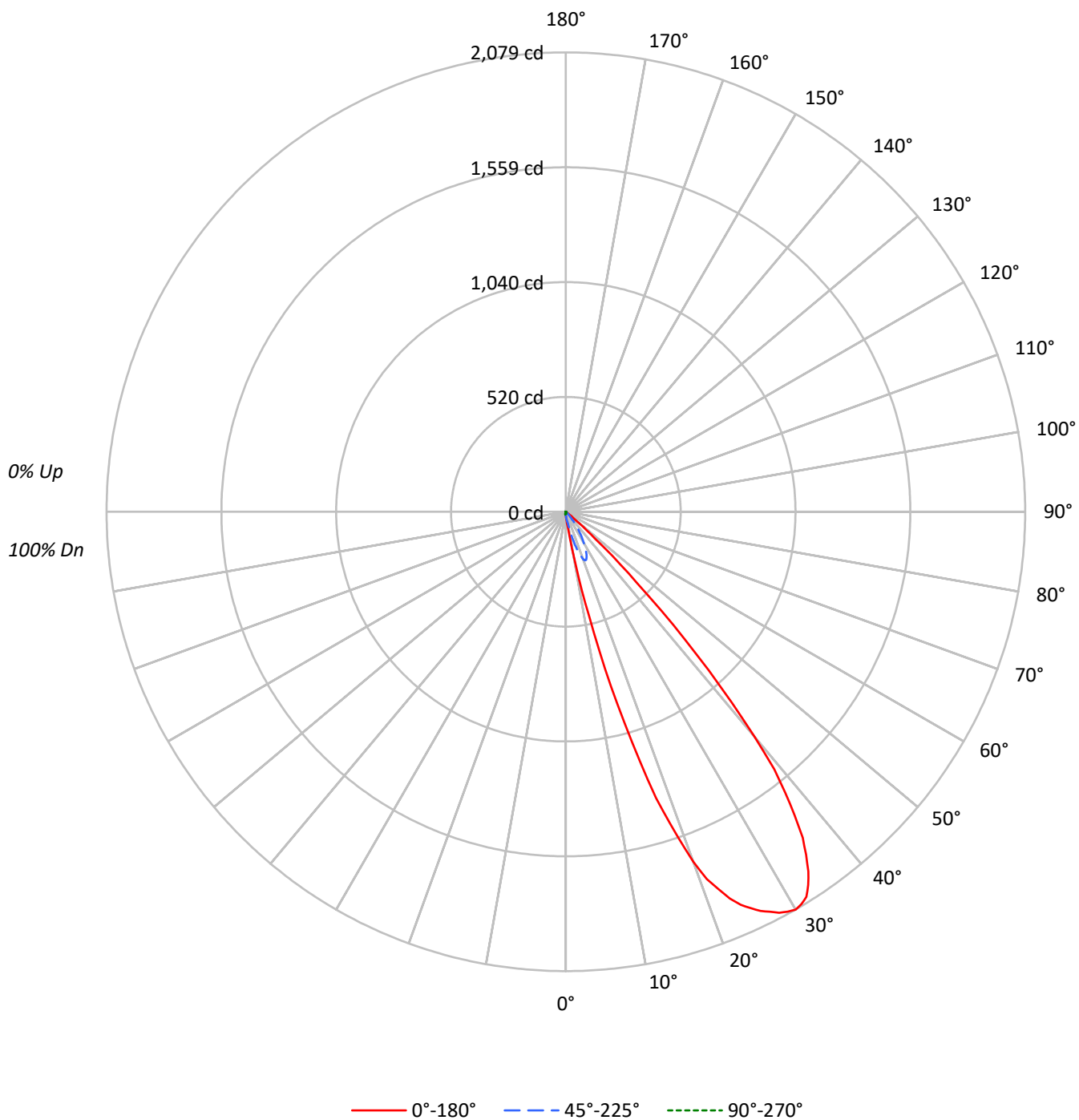
Lumens per Lamp: N/A
Luminaire Lumens: 416.1 lumens
Efficiency: N/A
Efficacy: 28.5 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		71
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	74	64	57	52	63	57	52		61	56	52		60
8	71	60	52	48	69	59	52	47	58	52	47		57	51	47		56
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	62	51	44	39	61	50	44	39	49	43	39		48	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3925	3925	3925	3925	3925
5°	9817	7264	3676	1871	1453
10°	42952	12358	3028	868	601
15°	204246	33303	2111	363	272
20°	393178	53345	1353	93	93
25°	478842	53810	750	0	0
30°	526461	41171	304	0	0
35°	507357	26180	107	0	0
40°	379082	11336	0	0	115
45°	140356	3008	124	124	372
50°	16545	409	273	273	546
55°	1644	0	306	459	726
60°	175	0	526	702	833
65°	208	208	830	986	1193
70°	256	256	1026	1026	1475
75°	339	339	1017	1017	1356
80°	0	505	1515	1010	1515
85°	0	1006	3019	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 140356 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.6
10°-20°	48.5	11.7
20°-30°	152.2	36.6
30°-40°	160.3	38.5
40°-50°	47.1	11.3
50°-60°	2.5	0.6
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°	203.3	48.9
0°-40°	363.6	87.4
0°-60°	413.2	99.3
0°-90°	416.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	416.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	45	33	17	8	7	8
15°	900	147	9	2	1	284
25°	1979	222	3	0	0	908
35°	1895	98	0	0	0	1144
45°	453	10	0	0	1	411
55°	4	0	1	1	2	11
65°	0	0	2	2	2	0
75°	0	0	1	1	2	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
2.5°	27.6	27.9	26.8	27.6	26.8	26.4	26.0	24.1	21.0	17.9	14.7
5°	44.6	44.6	42.7	42.3	41.5	40.0	38.4	33.0	23.7	16.7	11.6
7.5°	69.9	69.5	68.7	66.8	62.9	59.0	55.1	43.1	26.0	15.5	8.9
10°	192.9	190.2	186.7	165.7	142.1	121.1	102.9	55.5	27.9	13.6	6.6
12.5°	479.3	463.8	426.9	385.0	331.5	275.2	220.1	90.4	28.7	11.3	4.7
15°	899.7	867.5	810.0	726.2	616.7	493.7	388.9	146.7	27.9	9.3	3.5
17.5°	1358.5	1327.4	1247.8	1120.5	959.5	770.4	584.9	194.5	26.0	7.8	2.3
20°	1684.9	1651.9	1577.4	1442.3	1268.0	1016.1	770.1	228.6	24.5	5.8	1.2
21°	1780.4	1747.4	1668.6	1538.2	1355.0	1102.3	829.4	234.4	23.3	5.0	0.8
22°	1840.9	1821.5	1736.9	1610.4	1423.7	1171.4	880.3	237.1	22.5	4.7	0.8
23°	1901.9	1872.7	1793.6	1660.0	1476.1	1222.6	917.9	235.2	21.7	3.9	0.4
24°	1946.9	1922.4	1830.4	1698.5	1512.6	1254.1	940.1	230.2	20.6	3.5	0.4
25°	1979.1	1956.6	1860.7	1724.5	1537.0	1271.1	947.0	222.4	19.4	3.1	0.4
26°	2009.8	1985.3	1885.9	1739.6	1549.8	1276.6	940.4	213.9	18.2	2.7	0.0
27°	2031.9	2007.0	1903.4	1748.5	1550.6	1270.0	922.6	202.2	17.1	2.3	0.0
28°	2055.6	2026.8	1915.4	1753.6	1545.9	1254.4	897.0	189.8	16.3	1.9	0.0
29°	2069.9	2042.7	1927.9	1759.0	1536.2	1228.4	859.7	175.0	14.4	1.2	0.0
30°	2079.2	2047.0	1926.7	1753.2	1523.4	1200.5	815.1	162.6	12.4	1.2	0.0
31°	2071.5	2037.7	1914.3	1736.9	1502.9	1164.0	769.3	147.1	10.1	0.8	0.0
32°	2054.8	2014.8	1892.5	1708.6	1466.0	1117.0	721.9	134.3	7.4	0.8	0.0
33°	2014.0	1980.3	1853.3	1670.5	1417.9	1053.4	660.2	121.9	5.0	0.4	0.0
34°	1962.8	1929.0	1799.8	1619.7	1353.4	971.1	585.3	109.1	4.3	0.4	0.0
35°	1895.3	1861.9	1739.2	1548.7	1268.0	872.1	508.1	97.8	3.5	0.4	0.0
36°	1824.2	1780.0	1662.8	1473.0	1153.5	759.6	425.4	85.0	2.7	0.4	0.0
37°	1719.8	1689.9	1559.9	1357.7	1029.7	651.7	365.2	73.4	1.9	0.4	0.0
38°	1611.5	1584.0	1457.1	1241.6	891.5	544.9	305.8	62.1	1.6	0.0	0.0
39°	1499.7	1453.9	1328.6	1093.0	746.8	456.4	257.3	52.0	0.8	0.0	0.0
40°	1324.3	1289.4	1155.5	914.4	617.9	369.9	219.3	39.6	0.8	0.0	0.0
42.5°	878.0	845.4	704.9	496.0	328.4	216.2	144.8	15.5	0.0	0.4	0.0
45°	452.6	432.0	350.9	259.7	186.3	132.7	93.2	9.7	0.0	0.4	0.4
47.5°	179.7	176.2	159.1	137.4	106.0	78.8	50.8	4.3	0.0	0.4	0.4
50°	48.5	48.9	45.8	42.3	38.4	36.1	21.3	1.2	0.0	0.8	0.4
52.5°	20.6	21.0	20.2	19.0	17.1	12.8	8.5	0.4	0.4	0.8	0.8
55°	4.3	4.7	5.0	5.4	6.2	5.4	3.5	0.0	0.4	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	1.2	1.2	0.8	0.0	0.4	0.8	1.2
60°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8	1.2	1.2
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2	1.6
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.6	1.6
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	1.6
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	1.6
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	1.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8	1.2	0.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	1.2	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	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):

	135°	157.5°	180°
0°	17.9	17.9	17.9
2.5°	12.4	11.3	10.9
5°	8.5	7.4	6.6
7.5°	5.8	4.7	4.3
10°	3.9	3.1	2.7
12.5°	2.7	1.6	1.6
15°	1.6	1.2	1.2
17.5°	0.8	0.4	0.4
20°	0.4	0.4	0.4
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.4
39°	0.0	0.4	0.4
40°	0.0	0.4	0.4
42.5°	0.0	0.4	0.8
45°	0.4	0.8	1.2
47.5°	0.8	1.2	1.6
50°	0.8	1.6	1.6
52.5°	1.2	1.6	1.9
55°	1.2	1.9	1.9
57.5°	1.6	1.9	2.3
60°	1.6	1.9	1.9
62.5°	1.6	2.3	2.3
65°	1.9	2.3	2.3
67.5°	1.9	2.3	2.3
70°	1.6	1.9	2.3
72.5°	1.6	1.9	1.9
75°	1.2	1.6	1.6
77.5°	1.2	1.2	1.6
80°	0.8	1.2	1.2

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.8	0.8	0.8
85°	0.4	0.4	0.4
87.5°	0.4	0.4	0.4
90°	0.0	0.0	0.0

(END OF REPORT)