

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: P1344967

Luminaire Tested: P3A13R309050DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309050DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

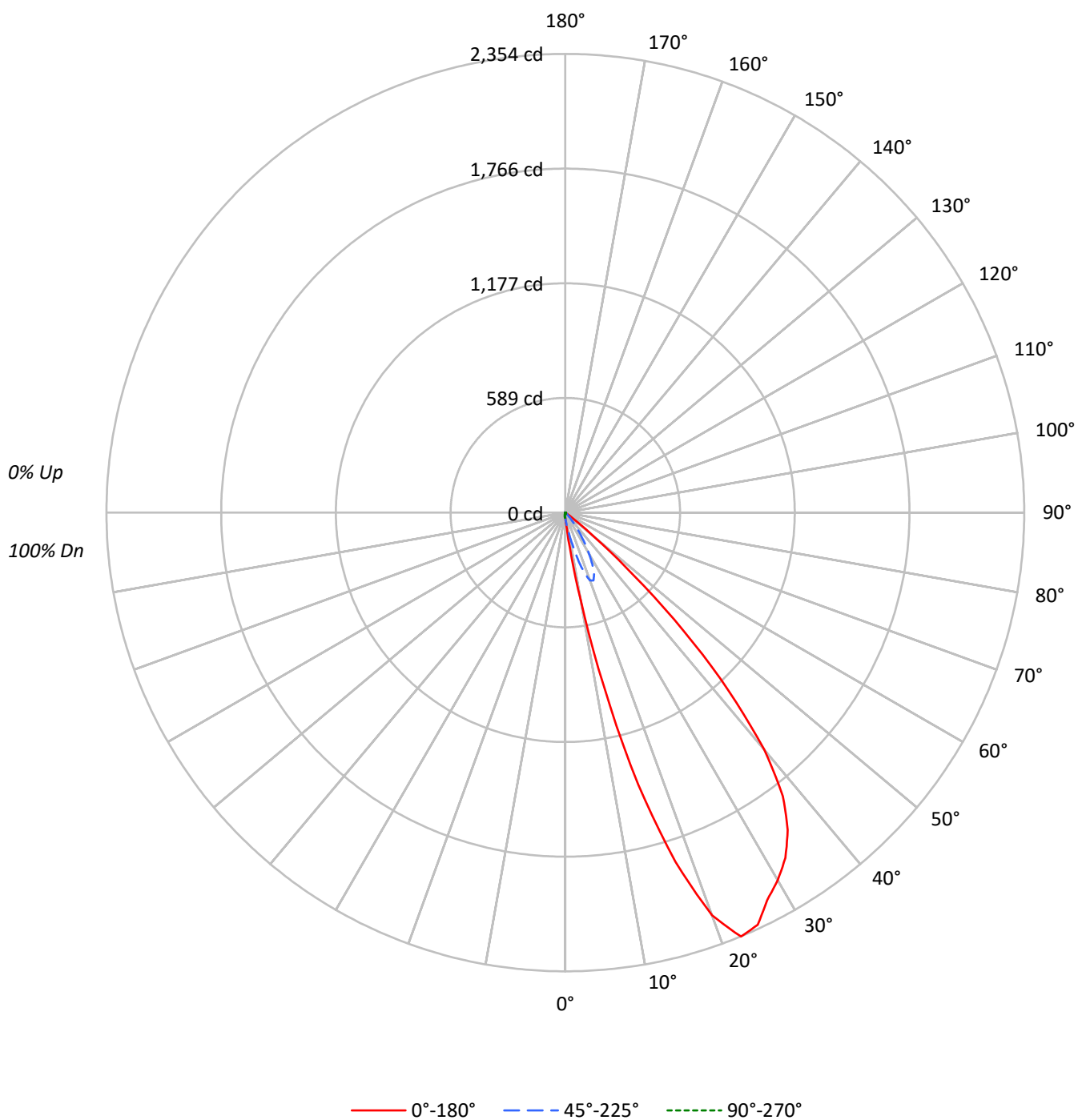
Lumens per Lamp: N/A
Luminaire Lumens: 554.9 lumens
Efficiency: N/A
Efficacy: 38.0 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5789	5789	5789	5789	5789
5°	17411	11600	5481	2465	2003
10°	100844	24627	4297	1136	802
15°	328016	55846	2997	227	114
20°	513261	86388	1890	0	0
25°	564686	84416	992	0	0
30°	551528	60870	380	0	0
35°	532306	34613	134	0	0
40°	453936	14656	0	0	0
45°	266415	5520	155	0	155
50°	64714	1023	171	171	512
55°	5620	0	382	573	765
60°	219	0	439	658	1096
65°	259	259	778	778	1297
70°	321	321	962	962	1282
75°	0	424	1271	1271	1271
80°	0	631	1894	1263	1263
85°	0	1258	3774	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 266415 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.9
10°-20°	76.3	13.7
20°-30°	193.8	34.9
30°-40°	193.2	34.8
40°-50°	78.3	14.1
50°-60°	5.4	1.0
60°-70°	1.2	0.2
70°-80°	1.2	0.2
80°-90°	0.7	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°	275.0	49.5
0°-40°	468.2	84.4
0°-60°	551.8	99.4
0°-90°	554.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	554.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	79	53	25	11	9	18
15°	1445	246	13	1	0	420
25°	2334	349	4	0	0	1054
35°	1988	129	0	0	0	1219
45°	859	18	0	0	0	655
55°	15	0	1	2	2	38
65°	0	0	2	2	2	0
75°	0	0	2	2	2	0
85°	0	0	2	0	0	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°	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
2.5°	43.6	44.1	44.1	43.1	42.6	42.6	41.1	40.6	39.1	37.5	32.5
5°	79.1	77.6	75.6	75.6	71.0	68.5	64.9	60.9	57.8	52.7	37.5
7.5°	179.5	167.4	163.8	159.2	142.0	128.3	112.6	98.9	86.2	75.6	41.6
10°	452.9	429.0	409.3	369.2	319.0	270.8	226.2	174.5	139.0	110.6	44.6
12.5°	912.4	880.4	842.4	769.3	675.5	555.3	448.8	335.2	235.3	162.8	45.6
15°	1444.9	1390.6	1331.3	1238.4	1084.8	912.4	720.1	539.1	377.8	246.0	44.6
17.5°	1879.0	1857.7	1769.9	1643.1	1455.0	1232.9	996.0	748.5	509.7	322.0	41.6
20°	2199.5	2184.8	2078.8	1943.9	1731.9	1477.3	1176.6	879.4	601.5	370.2	37.0
22.5°	2354.2	2351.6	2275.0	2137.1	1912.4	1623.9	1292.7	955.0	629.9	376.8	30.9
25°	2333.9	2343.0	2299.4	2196.9	1981.4	1684.2	1327.2	955.0	609.1	348.9	25.9
27.5°	2241.6	2247.7	2220.3	2141.7	1940.8	1640.6	1279.0	893.6	548.7	299.7	21.3
30°	2178.2	2180.7	2146.7	2062.6	1849.6	1541.2	1165.4	780.0	457.4	240.4	15.7
32.5°	2101.1	2100.6	2061.0	1964.7	1729.9	1401.7	1021.4	644.6	351.5	182.6	9.1
35°	1988.5	1975.8	1922.1	1811.0	1551.4	1214.1	837.3	490.9	253.1	129.3	5.6
37.5°	1833.8	1800.9	1724.8	1576.2	1300.8	951.9	620.7	344.9	172.9	85.7	3.6
40°	1585.8	1550.8	1447.4	1266.8	983.9	685.2	418.4	224.7	109.0	51.2	2.0
42.5°	1243.5	1219.7	1080.2	900.2	649.7	437.2	251.5	132.9	61.4	29.4	0.5
45°	859.1	828.2	718.6	566.0	390.0	242.4	141.0	69.5	35.0	17.8	0.0
47.5°	474.2	436.1	372.8	293.1	196.3	127.3	71.0	37.5	19.8	8.6	0.0
50°	189.7	188.2	149.6	106.5	75.1	57.8	35.5	20.3	10.1	3.0	0.5
52.5°	66.4	66.4	57.3	46.7	36.5	26.4	17.8	9.6	3.6	1.0	0.5
55°	14.7	16.2	15.2	14.2	13.7	11.7	7.6	3.6	1.0	0.0	0.5
57.5°	1.5	1.5	1.5	2.0	2.5	2.5	2.0	1.0	0.0	0.0	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0
62.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	1.0
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
75°	0.0	0.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
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°	26.4	26.4	26.4	26.4	26.4
2.5°	26.4	20.8	17.2	15.2	14.7
5°	24.9	15.7	11.2	9.6	9.1
7.5°	22.3	11.7	7.6	6.1	5.6
10°	19.3	8.6	5.1	3.6	3.6
12.5°	16.2	6.6	3.0	1.5	1.0
15°	13.2	4.1	1.0	0.5	0.5
17.5°	10.1	2.5	0.0	0.0	0.0
20°	8.1	1.0	0.0	0.0	0.0
22.5°	6.1	0.5	0.0	0.0	0.0
25°	4.1	0.0	0.0	0.0	0.0
27.5°	2.5	0.0	0.0	0.0	0.0
30°	1.5	0.0	0.0	0.0	0.0
32.5°	0.5	0.0	0.0	0.0	0.0
35°	0.5	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.5	0.0	0.0	0.5	0.5
47.5°	0.5	0.5	0.5	1.0	1.0
50°	0.5	0.5	0.5	1.0	1.5
52.5°	1.0	0.5	1.0	1.5	1.5
55°	1.0	1.0	1.5	2.0	2.0
57.5°	1.0	1.0	1.5	2.0	2.0
60°	1.0	1.0	1.5	2.0	2.5
62.5°	1.5	1.5	1.5	2.0	2.0
65°	1.5	1.5	1.5	2.0	2.5
67.5°	1.5	1.5	1.5	2.0	2.5
70°	1.5	1.5	1.5	2.0	2.0
72.5°	2.0	1.5	1.5	2.0	2.0
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.0	1.5	1.5
80°	1.5	1.0	1.0	1.0	1.0
82.5°	1.5	1.0	1.0	1.0	1.0
85°	1.5	1.0	0.5	0.5	0.5
87.5°	1.5	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)