

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: P1344935

Luminaire Tested: P3A13R309035DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344935
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: P3A13R309035DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

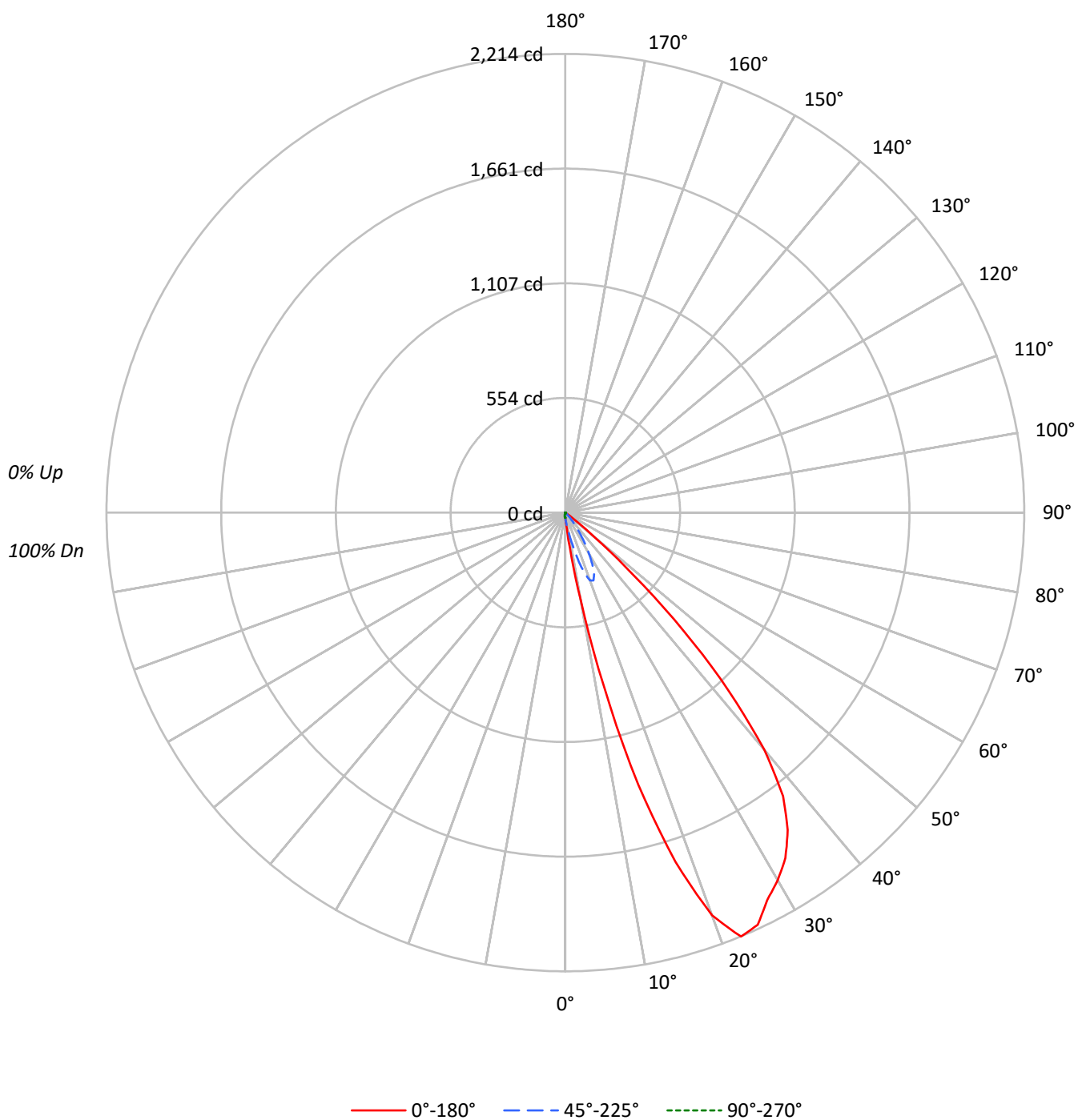
Lumens per Lamp: N/A
Luminaire Lumens: 522.0 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5438	5438	5438	5438	5438
5°	16377	10918	5151	2311	1893
10°	94855	23157	4030	1069	735
15°	308492	52509	2815	227	114
20°	482739	81254	1773	0	0
25°	531103	79408	919	0	0
30°	518738	57249	354	0	0
35°	500665	32551	134	0	0
40°	426943	13797	0	0	0
45°	250569	5179	155	0	155
50°	60859	989	171	171	478
55°	5276	0	382	535	726
60°	219	0	439	614	1053
65°	259	259	726	726	1245
70°	321	321	898	898	1218
75°	0	424	1186	1186	1186
80°	0	631	1768	1263	1263
85°	0	1258	3522	1258	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 250569 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.9
10°-20°	71.7	13.7
20°-30°	182.3	34.9
30°-40°	181.7	34.8
40°-50°	73.6	14.1
50°-60°	5.1	1.0
60°-70°	1.1	0.2
70°-80°	1.1	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°	258.6	49.5
0°-40°	440.3	84.3
0°-60°	519.1	99.4
0°-90°	522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	522.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	74	50	23	10	9	17
15°	1359	231	12	1	0	395
25°	2195	328	4	0	0	991
35°	1870	122	0	0	0	1146
45°	808	17	0	0	0	616
55°	14	0	1	1	2	36
65°	0	0	1	1	2	0
75°	0	0	1	1	1	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°	35°	40°	45°	67.5°
0°	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
2.5°	41.0	41.5	41.5	40.5	40.1	40.1	38.6	38.2	36.7	35.3	30.5
5°	74.4	73.0	71.1	71.1	66.8	64.4	61.1	57.2	54.4	49.6	35.3
7.5°	168.9	157.4	154.1	149.8	133.6	120.7	105.9	93.0	81.1	71.1	39.1
10°	426.0	403.5	384.9	347.2	300.0	254.7	212.7	164.1	130.7	104.0	42.0
12.5°	858.1	828.1	792.3	723.6	635.3	522.3	422.1	315.3	221.3	153.1	42.9
15°	1358.9	1307.9	1252.1	1164.8	1020.3	858.1	677.3	507.0	355.4	231.3	42.0
17.5°	1767.2	1747.2	1664.7	1545.4	1368.5	1159.6	936.8	704.0	479.4	302.9	39.1
20°	2068.7	2054.9	1955.2	1828.3	1628.9	1389.5	1106.6	827.1	565.7	348.2	34.8
22.5°	2214.2	2211.8	2139.8	2010.0	1798.7	1527.3	1215.8	898.2	592.4	354.4	29.1
25°	2195.1	2203.7	2162.7	2066.3	1863.6	1584.1	1248.3	898.2	572.9	328.2	24.3
27.5°	2108.3	2114.0	2088.3	2014.3	1825.4	1543.1	1203.0	840.5	516.1	281.9	20.0
30°	2048.7	2051.1	2019.1	1939.9	1739.6	1449.6	1096.1	733.6	430.2	226.1	14.8
32.5°	1976.2	1975.7	1938.5	1847.9	1627.0	1318.4	960.7	606.3	330.6	171.7	8.6
35°	1870.3	1858.3	1807.8	1703.3	1459.1	1141.9	787.5	461.7	238.0	121.6	5.2
37.5°	1724.8	1693.8	1622.2	1482.5	1223.5	895.3	583.8	324.4	162.7	80.6	3.3
40°	1491.5	1458.6	1361.3	1191.5	925.4	644.4	393.5	211.3	102.6	48.2	1.9
42.5°	1169.6	1147.2	1016.0	846.7	611.0	411.2	236.6	125.0	57.7	27.7	0.5
45°	808.0	778.9	675.9	532.3	366.8	228.0	132.6	65.3	32.9	16.7	0.0
47.5°	446.0	410.2	350.6	275.7	184.6	119.7	66.8	35.3	18.6	8.1	0.0
50°	178.4	177.0	140.7	100.2	70.6	54.4	33.4	19.1	9.5	2.9	0.5
52.5°	62.5	62.5	53.9	43.9	34.3	24.8	16.7	9.1	3.3	1.0	0.5
55°	13.8	15.3	14.3	13.4	12.9	11.0	7.2	3.3	1.0	0.0	0.5
57.5°	1.4	1.4	1.4	1.9	2.4	2.4	1.9	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	1.4
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
75°	0.0	0.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	1.4
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°	24.8	24.8	24.8	24.8	24.8
2.5°	24.8	19.6	16.2	14.3	13.8
5°	23.4	14.8	10.5	9.1	8.6
7.5°	21.0	11.0	7.2	5.7	5.2
10°	18.1	8.1	4.8	3.3	3.3
12.5°	15.3	6.2	2.9	1.4	1.0
15°	12.4	3.8	1.0	0.5	0.5
17.5°	9.5	2.4	0.0	0.0	0.0
20°	7.6	1.0	0.0	0.0	0.0
22.5°	5.7	0.5	0.0	0.0	0.0
25°	3.8	0.0	0.0	0.0	0.0
27.5°	2.4	0.0	0.0	0.0	0.0
30°	1.4	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	1.4
52.5°	1.0	0.5	1.0	1.4	1.4
55°	1.0	1.0	1.4	1.9	1.9
57.5°	1.0	1.0	1.4	1.9	1.9
60°	1.0	1.0	1.4	1.9	2.4
62.5°	1.4	1.4	1.4	1.9	1.9
65°	1.4	1.4	1.4	1.9	2.4
67.5°	1.4	1.4	1.4	1.9	2.4
70°	1.4	1.4	1.4	1.9	1.9
72.5°	1.9	1.4	1.4	1.9	1.9
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.0	1.4	1.4
80°	1.4	1.0	1.0	1.0	1.0
82.5°	1.4	1.0	1.0	1.0	1.0
85°	1.4	1.0	0.5	0.5	0.5
87.5°	1.4	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)