

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: P1345031

Luminaire Tested: P3A13R309740DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345031
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: P3A13R309740DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

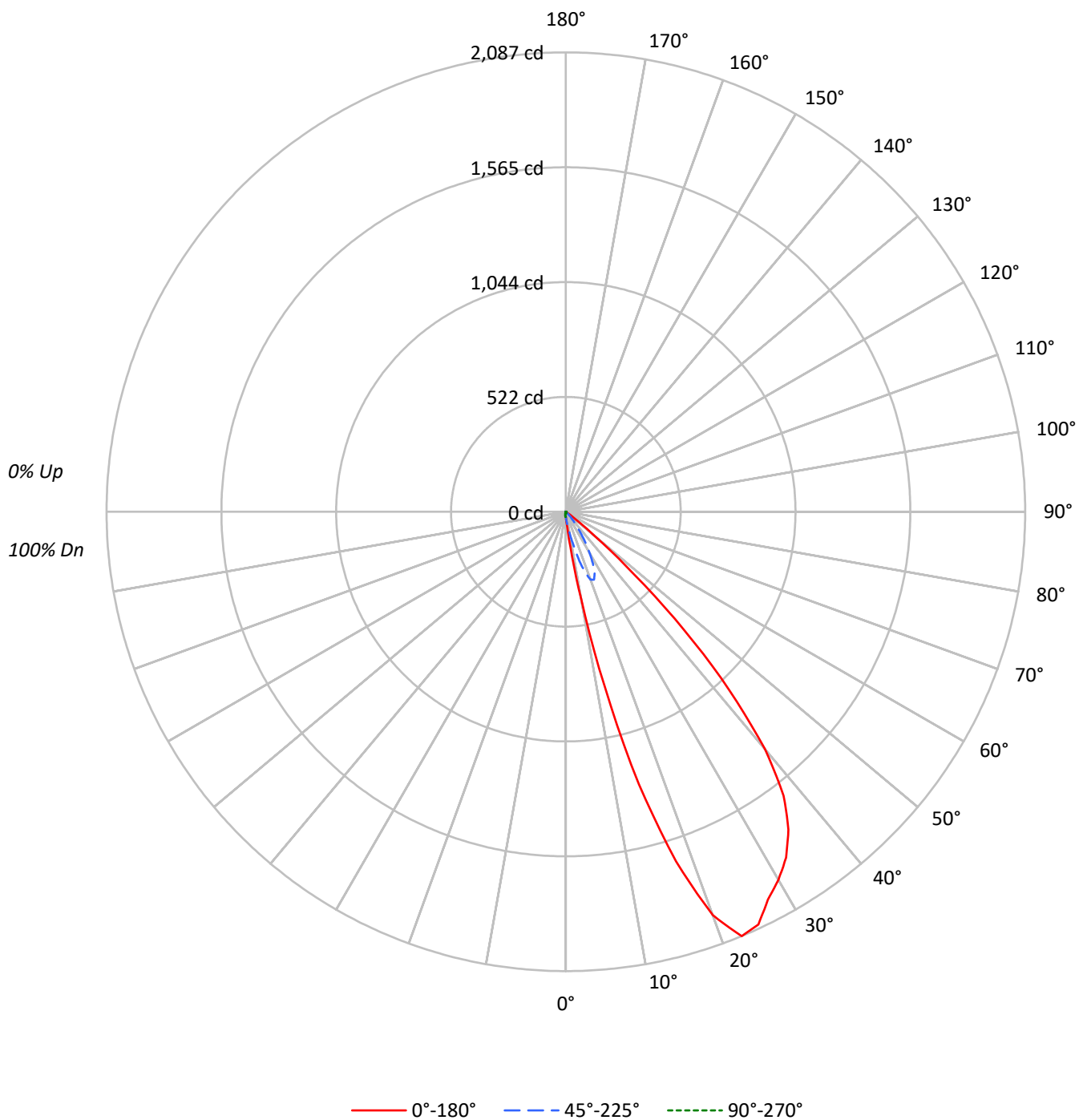
Lumens per Lamp: N/A
Luminaire Lumens: 491.9 lumens
Efficiency: N/A
Efficacy: 33.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	104	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	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°	5131	5131	5131	5131	5131
5°	15430	10302	4843	2179	1783
10°	89399	21821	3808	1002	690
15°	290762	49490	2656	204	91
20°	454993	76587	1680	0	0
25°	500569	74835	871	0	0
30°	488911	53958	329	0	0
35°	471888	30678	107	0	0
40°	402411	12996	0	0	0
45°	236180	4869	124	0	124
50°	57346	921	136	136	443
55°	4970	0	344	497	688
60°	175	0	395	570	965
65°	208	208	675	675	1141
70°	256	256	833	833	1154
75°	0	339	1101	1101	1101
80°	0	505	1642	1137	1137
85°	0	1006	3271	1006	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 236180 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.9
10°-20°	67.6	13.7
20°-30°	171.8	34.9
30°-40°	171.3	34.8
40°-50°	69.4	14.1
50°-60°	4.8	1.0
60°-70°	1.1	0.2
70°-80°	1.0	0.2
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°	243.8	49.6
0°-40°	415.0	84.4
0°-60°	489.2	99.5
0°-90°	491.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	491.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	70	47	22	10	8	16
15°	1281	218	12	1	0	373
25°	2069	309	4	0	0	934
35°	1763	115	0	0	0	1081
45°	762	16	0	0	0	581
55°	13	0	1	1	2	34
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°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
2.5°	38.7	39.1	39.1	38.2	37.8	37.8	36.4	36.0	34.6	33.3	28.8
5°	70.1	68.8	67.0	67.0	62.9	60.7	57.5	53.9	51.3	46.8	33.3
7.5°	159.1	148.4	145.2	141.2	125.9	113.7	99.8	87.7	76.4	67.0	36.9
10°	401.5	380.3	362.8	327.3	282.8	240.1	200.5	154.7	123.2	98.0	39.6
12.5°	808.8	780.5	746.7	682.0	598.8	492.3	397.9	297.2	208.6	144.3	40.5
15°	1280.8	1232.7	1180.1	1097.9	961.6	808.8	638.4	477.9	334.9	218.0	39.6
17.5°	1665.7	1646.8	1569.0	1456.6	1289.8	1092.9	883.0	663.6	451.8	285.5	36.9
20°	1949.8	1936.8	1842.8	1723.2	1535.3	1309.6	1043.0	779.6	533.2	328.2	32.8
22.5°	2086.9	2084.7	2016.8	1894.5	1695.3	1439.5	1146.0	846.6	558.4	334.0	27.4
25°	2068.9	2077.0	2038.4	1947.6	1756.5	1493.0	1176.5	846.6	539.9	309.3	22.9
27.5°	1987.1	1992.5	1968.2	1898.6	1720.5	1454.4	1133.8	792.2	486.4	265.7	18.9
30°	1930.9	1933.2	1903.1	1828.4	1639.6	1366.3	1033.1	691.4	405.5	213.1	13.9
32.5°	1862.6	1862.1	1827.1	1741.7	1533.5	1242.6	905.4	571.4	311.6	161.8	8.1
35°	1762.8	1751.5	1703.9	1605.4	1375.3	1076.3	742.2	435.2	224.3	114.6	4.9
37.5°	1625.7	1596.4	1529.0	1397.3	1153.2	843.9	550.3	305.7	153.3	76.0	3.1
40°	1405.8	1374.8	1283.1	1123.0	872.2	607.4	370.9	199.2	96.7	45.4	1.8
42.5°	1102.4	1081.2	957.6	798.0	575.9	387.5	223.0	117.8	54.4	26.1	0.4
45°	761.6	734.2	637.0	501.7	345.7	214.9	125.0	61.6	31.0	15.7	0.0
47.5°	420.4	386.6	330.4	259.9	174.0	112.8	62.9	33.3	17.5	7.6	0.0
50°	168.1	166.8	132.6	94.4	66.5	51.3	31.5	18.0	9.0	2.7	0.4
52.5°	58.9	58.9	50.8	41.4	32.4	23.4	15.7	8.5	3.1	0.9	0.4
55°	13.0	14.4	13.5	12.6	12.1	10.3	6.7	3.1	0.9	0.0	0.4
57.5°	1.3	1.3	1.3	1.8	2.2	2.2	1.8	0.9	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.9
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.9
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.3
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.3
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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°	23.4	23.4	23.4	23.4	23.4
2.5°	23.4	18.4	15.3	13.5	13.0
5°	22.0	13.9	9.9	8.5	8.1
7.5°	19.8	10.3	6.7	5.4	4.9
10°	17.1	7.6	4.5	3.1	3.1
12.5°	14.4	5.8	2.7	1.3	0.9
15°	11.7	3.6	0.9	0.4	0.4
17.5°	9.0	2.2	0.0	0.0	0.0
20°	7.2	0.9	0.0	0.0	0.0
22.5°	5.4	0.4	0.0	0.0	0.0
25°	3.6	0.0	0.0	0.0	0.0
27.5°	2.2	0.0	0.0	0.0	0.0
30°	1.3	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	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°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.9	0.9
50°	0.4	0.4	0.4	0.9	1.3
52.5°	0.9	0.4	0.9	1.3	1.3
55°	0.9	0.9	1.3	1.8	1.8
57.5°	0.9	0.9	1.3	1.8	1.8
60°	0.9	0.9	1.3	1.8	2.2
62.5°	1.3	1.3	1.3	1.8	1.8
65°	1.3	1.3	1.3	1.8	2.2
67.5°	1.3	1.3	1.3	1.8	2.2
70°	1.3	1.3	1.3	1.8	1.8
72.5°	1.8	1.3	1.3	1.8	1.8
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	0.9	1.3	1.3
80°	1.3	0.9	0.9	0.9	0.9
82.5°	1.3	0.9	0.9	0.9	0.9
85°	1.3	0.9	0.4	0.4	0.4
87.5°	1.3	0.9	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)