

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: P1337987

Luminaire Tested: P3A05R309835DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337987
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: P3A05R309835DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

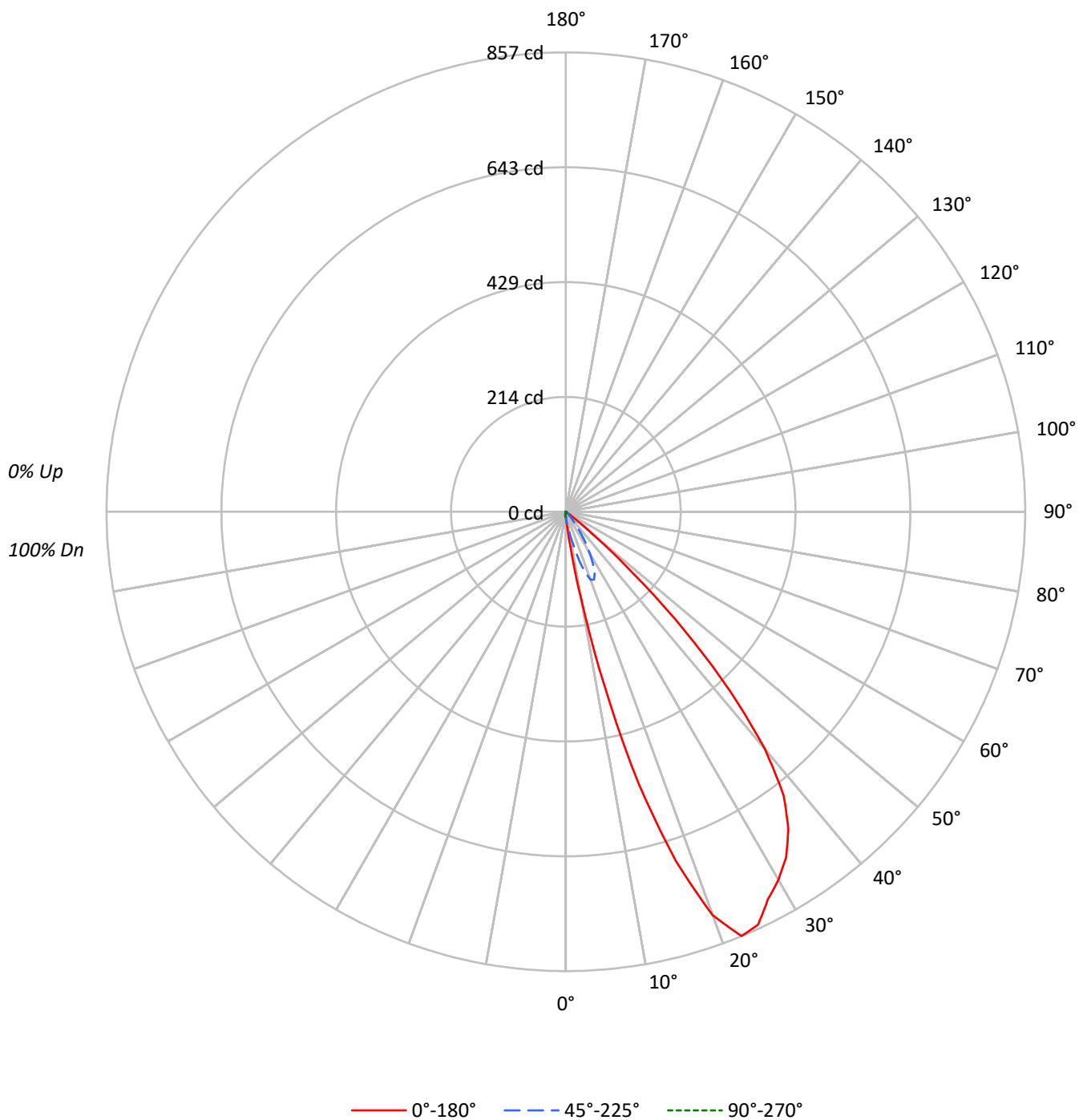
Lumens per Lamp: N/A
Luminaire Lumens: 202.1 lumens
Efficiency: N/A
Efficacy: 28.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	91	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	63	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	66	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°	2105	2105	2105	2105	2105
5°	6339	4226	1981	902	726
10°	36695	8951	1559	401	289
15°	119388	20318	1090	91	45
20°	186800	31433	700	0	0
25°	205512	30728	363	0	0
30°	200740	22155	152	0	0
35°	193729	12608	54	0	0
40°	165224	5324	0	0	0
45°	96971	2016	62	0	62
50°	23539	375	68	68	205
55°	2064	0	153	229	268
60°	88	0	175	263	395
65°	104	104	311	311	467
70°	128	128	385	385	449
75°	0	169	508	508	508
80°	0	253	758	505	505
85°	0	503	1510	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 96971 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.9
10°-20°	27.8	13.7
20°-30°	70.6	34.9
30°-40°	70.3	34.8
40°-50°	28.5	14.1
50°-60°	2.0	1.0
60°-70°	0.5	0.2
70°-80°	0.5	0.2
80°-90°	0.3	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°	100.1	49.5
0°-40°	170.4	84.3
0°-60°	200.9	99.4
0°-90°	202.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	202.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	29	19	9	4	3	7
15°	526	90	5	0	0	153
25°	849	127	2	0	0	384
35°	724	47	0	0	0	444
45°	313	6	0	0	0	239
55°	5	0	0	1	1	14
65°	0	0	1	1	1	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°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
2.5°	15.9	16.1	16.1	15.7	15.5	15.5	15.0	14.8	14.2	13.7	11.8
5°	28.8	28.2	27.5	27.5	25.8	24.9	23.6	22.1	21.0	19.2	13.7
7.5°	65.3	60.9	59.6	58.0	51.7	46.7	41.0	36.0	31.4	27.5	15.1
10°	164.8	156.2	149.0	134.4	116.1	98.6	82.3	63.5	50.6	40.2	16.2
12.5°	332.1	320.4	306.6	280.0	245.9	202.1	163.4	122.0	85.6	59.3	16.6
15°	525.9	506.1	484.5	450.7	394.8	332.1	262.1	196.2	137.5	89.5	16.2
17.5°	683.9	676.1	644.2	598.0	529.6	448.7	362.5	272.4	185.5	117.2	15.1
20°	800.5	795.2	756.6	707.5	630.3	537.7	428.2	320.1	218.9	134.7	13.5
22.5°	856.8	855.9	828.0	777.8	696.1	591.0	470.5	347.6	229.3	137.1	11.3
25°	849.4	852.8	836.9	799.6	721.2	613.0	483.1	347.6	221.7	127.0	9.4
27.5°	815.9	818.1	808.1	779.5	706.4	597.1	465.5	325.2	199.7	109.1	7.8
30°	792.8	793.7	781.3	750.7	673.2	560.9	424.2	283.9	166.5	87.5	5.7
32.5°	764.7	764.5	750.1	715.1	629.6	510.2	371.7	234.6	127.9	66.4	3.3
35°	723.7	719.1	699.6	659.1	564.6	441.9	304.7	178.7	92.1	47.1	2.0
37.5°	667.4	655.4	627.8	573.7	473.5	346.5	225.9	125.5	62.9	31.2	1.3
40°	577.2	564.5	526.8	461.1	358.1	249.4	152.3	81.8	39.7	18.6	0.7
42.5°	452.6	443.9	393.2	327.6	236.4	159.1	91.6	48.4	22.3	10.7	0.2
45°	312.7	301.4	261.6	206.0	141.9	88.2	51.3	25.3	12.7	6.5	0.0
47.5°	172.6	158.7	135.7	106.7	71.4	46.3	25.8	13.7	7.2	3.1	0.0
50°	69.0	68.5	54.5	38.8	27.3	21.0	12.9	7.4	3.7	1.1	0.2
52.5°	24.2	24.2	20.9	17.0	13.3	9.6	6.5	3.5	1.3	0.4	0.2
55°	5.4	5.9	5.5	5.2	5.0	4.2	2.8	1.3	0.4	0.0	0.2
57.5°	0.6	0.6	0.6	0.7	0.9	0.9	0.7	0.4	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.4
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
75°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.6
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
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°	9.6	9.6	9.6	9.6	9.6
2.5°	9.6	7.6	6.3	5.5	5.4
5°	9.0	5.7	4.1	3.5	3.3
7.5°	8.1	4.2	2.8	2.2	2.0
10°	7.0	3.1	1.8	1.3	1.3
12.5°	5.9	2.4	1.1	0.6	0.4
15°	4.8	1.5	0.4	0.2	0.2
17.5°	3.7	0.9	0.0	0.0	0.0
20°	3.0	0.4	0.0	0.0	0.0
22.5°	2.2	0.2	0.0	0.0	0.0
25°	1.5	0.0	0.0	0.0	0.0
27.5°	0.9	0.0	0.0	0.0	0.0
30°	0.6	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	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°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.4	0.4
50°	0.2	0.2	0.2	0.4	0.6
52.5°	0.4	0.2	0.4	0.6	0.6
55°	0.4	0.4	0.6	0.7	0.7
57.5°	0.4	0.4	0.6	0.7	0.7
60°	0.4	0.4	0.6	0.7	0.9
62.5°	0.6	0.6	0.6	0.7	0.7
65°	0.6	0.6	0.6	0.7	0.9
67.5°	0.6	0.6	0.6	0.7	0.9
70°	0.6	0.6	0.6	0.7	0.7
72.5°	0.7	0.6	0.6	0.7	0.7
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.4	0.6	0.6
80°	0.6	0.4	0.4	0.4	0.4
82.5°	0.6	0.4	0.4	0.4	0.4
85°	0.6	0.4	0.2	0.2	0.2
87.5°	0.6	0.4	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)