

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: P1338003

Luminaire Tested: P3A05R309840DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338003
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: P3A05R309840DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

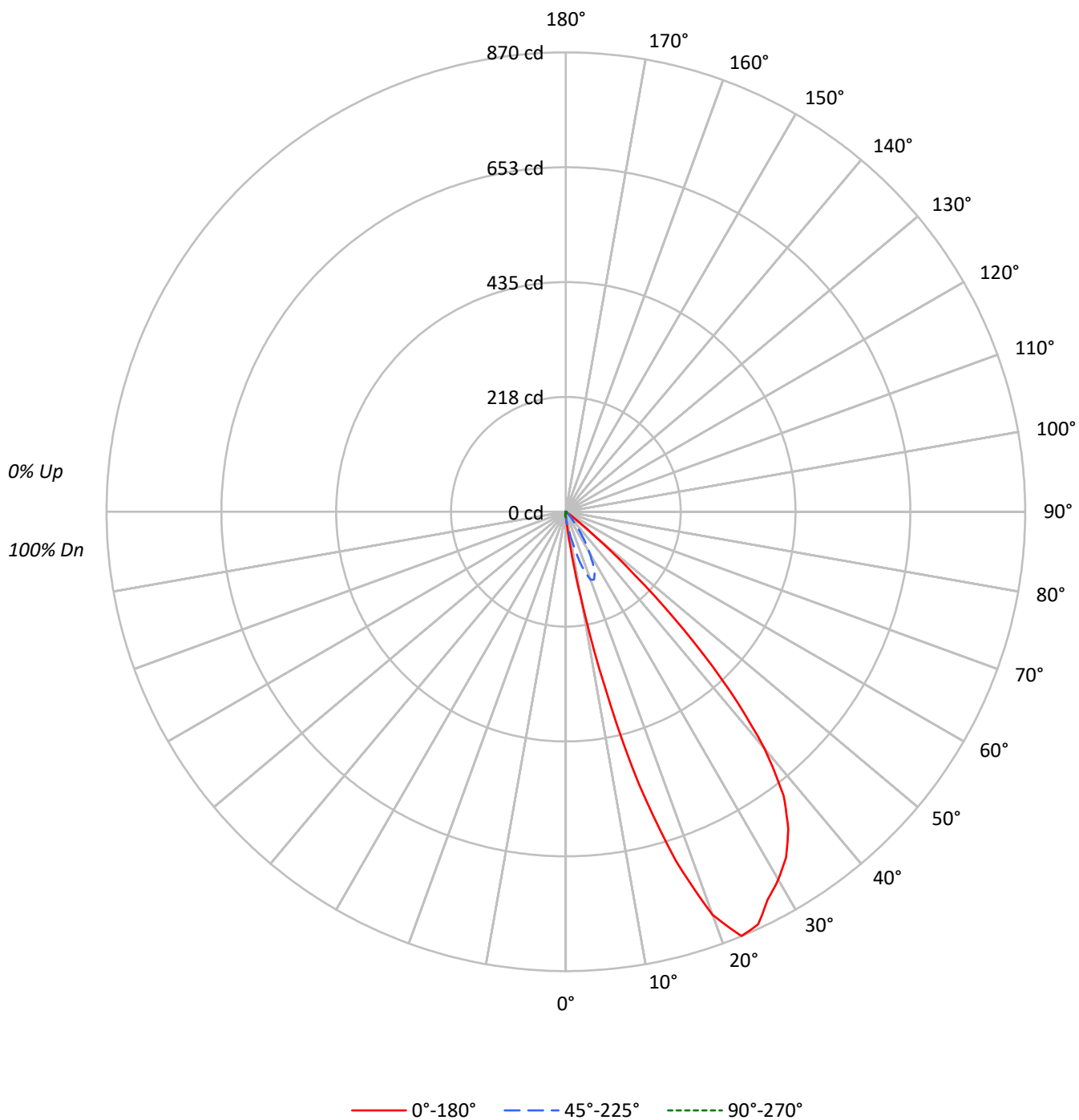
Lumens per Lamp: N/A
Luminaire Lumens: 205.1 lumens
Efficiency: N/A
Efficacy: 28.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	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°	2127	2127	2127	2127	2127
5°	6427	4292	2025	902	748
10°	37252	9085	1581	423	289
15°	121158	20636	1112	91	45
20°	189576	31899	700	0	0
25°	208585	31187	363	0	0
30°	203728	22484	152	0	0
35°	196620	12796	54	0	0
40°	167686	5410	0	0	0
45°	98398	2047	62	0	62
50°	23914	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: 98398 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.9
10°-20°	28.2	13.7
20°-30°	71.6	34.9
30°-40°	71.4	34.8
40°-50°	28.9	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°	101.6	49.5
0°-40°	172.9	84.3
0°-60°	203.9	99.4
0°-90°	205.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	205.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	10	10	10	10	10	
5°	29	20	9	4	3	7
15°	534	91	5	0	0	155
25°	862	129	2	0	0	389
35°	734	48	0	0	0	450
45°	317	7	0	0	0	242
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°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
2.5°	16.1	16.3	16.3	15.9	15.7	15.7	15.2	15.0	14.4	13.9	12.0
5°	29.2	28.7	27.9	27.9	26.2	25.3	24.0	22.5	21.4	19.5	13.9
7.5°	66.3	61.8	60.5	58.8	52.5	47.4	41.6	36.5	31.8	27.9	15.4
10°	167.3	158.5	151.2	136.4	117.8	100.0	83.5	64.4	51.3	40.8	16.5
12.5°	337.0	325.2	311.1	284.2	249.5	205.1	165.8	123.8	86.9	60.1	16.9
15°	533.7	513.6	491.7	457.4	400.7	337.0	266.0	199.1	139.6	90.9	16.5
17.5°	694.0	686.2	653.8	606.9	537.4	455.4	367.9	276.5	188.3	119.0	15.4
20°	812.4	807.0	767.8	718.0	639.7	545.7	434.6	324.8	222.2	136.7	13.7
22.5°	869.6	868.6	840.3	789.4	706.4	599.8	477.5	352.7	232.7	139.2	11.4
25°	862.1	865.4	849.3	811.5	731.9	622.1	490.2	352.7	225.0	128.9	9.6
27.5°	828.0	830.2	820.1	791.1	716.9	606.0	472.4	330.1	202.7	110.7	7.9
30°	804.6	805.5	792.9	761.8	683.2	569.3	430.5	288.1	169.0	88.8	5.8
32.5°	776.1	775.9	761.3	725.7	639.0	517.8	377.3	238.1	129.8	67.4	3.4
35°	734.5	729.8	710.0	668.9	573.0	448.5	309.3	181.3	93.5	47.8	2.1
37.5°	677.4	665.2	637.1	582.2	480.5	351.6	229.3	127.4	63.9	31.7	1.3
40°	585.8	572.8	534.6	467.9	363.4	253.1	154.5	83.0	40.3	18.9	0.7
42.5°	459.3	450.5	399.0	332.5	240.0	161.5	92.9	49.1	22.7	10.9	0.2
45°	317.3	305.9	265.4	209.1	144.1	89.5	52.1	25.7	12.9	6.6	0.0
47.5°	175.1	161.1	137.7	108.3	72.5	47.0	26.2	13.9	7.3	3.2	0.0
50°	70.1	69.5	55.3	39.3	27.7	21.4	13.1	7.5	3.7	1.1	0.2
52.5°	24.5	24.5	21.2	17.2	13.5	9.7	6.6	3.6	1.3	0.4	0.2
55°	5.4	6.0	5.6	5.2	5.1	4.3	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°	9.7	9.7	9.7	9.7	9.7
2.5°	9.7	7.7	6.4	5.6	5.4
5°	9.2	5.8	4.1	3.6	3.4
7.5°	8.2	4.3	2.8	2.2	2.1
10°	7.1	3.2	1.9	1.3	1.3
12.5°	6.0	2.4	1.1	0.6	0.4
15°	4.9	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)