

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: P1316766

Luminaire Tested: P3SQAS02R709830DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709830DE010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

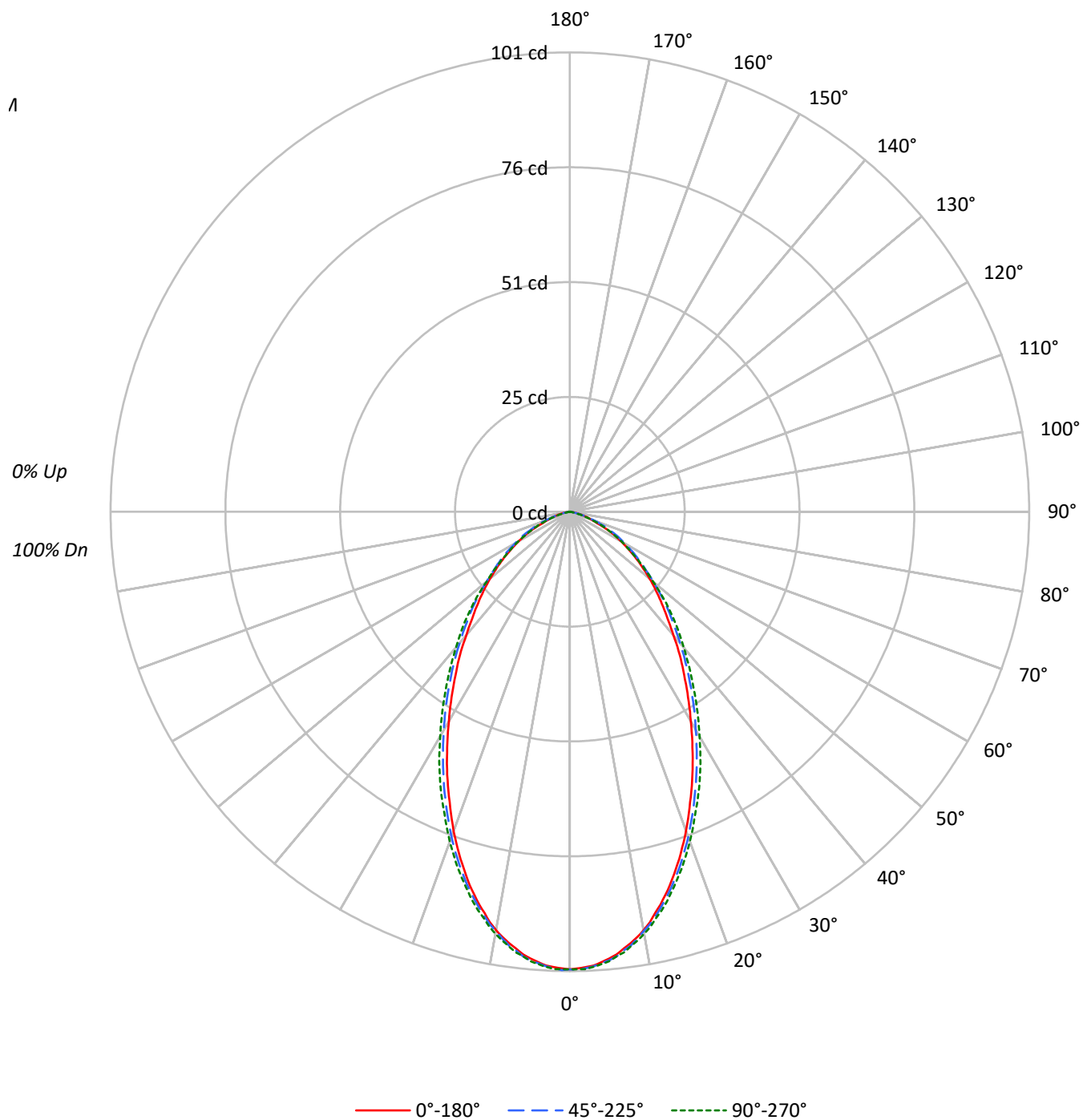
Lumens per Lamp: N/A
Luminaire Lumens: 144.0 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	111	108	104	101	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	79	72	66	87	78	71	66	76	70	65	74	68	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50		
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45		
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41		
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17326	17326	17326
5°	17046	17115	17150
10°	16334	16369	16474
15°	15155	15298	15423
20°	13691	13947	14149
25°	12124	12466	12770
30°	10580	11017	11335
35°	9209	9692	9987
40°	7959	8476	8746
45°	6966	7453	7648
50°	6136	6404	6404
55°	5315	5585	5405
60°	4478	4788	4547
65°	3505	3994	3627
70°	2518	2971	2518
75°	1930	1797	1397
80°	1289	893	397
85°	395	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7648 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	6.4
10°-20°	23.9	16.6
20°-30°	30.1	20.9
30°-40°	28.7	19.9
40°-50°	23.3	16.2
50°-60°	16.3	11.3
60°-70°	9.2	6.4
70°-80°	2.9	2.0
80°-90°	0.2	0.2
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°	63.3	43.9
0°-40°	92.0	63.9
0°-60°	131.6	91.4
0°-90°	144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	144.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	101	101	101	101	101	
5°	99	99	99	99	99	9
15°	85	85	86	86	86	24
25°	64	64	66	67	67	29
35°	44	44	46	47	48	27
45°	29	29	31	31	31	22
55°	18	18	19	18	18	16
65°	9	9	10	9	9	9
75°	3	3	3	2	2	3
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	100.6	100.6	100.6	100.6	100.6
1°	100.4	100.6	100.8	100.4	100.6
2°	100.2	100.4	100.4	100.2	100.6
3°	99.9	100.1	100.1	99.9	100.2
4°	99.3	99.5	99.5	99.3	99.7
5°	98.6	98.8	99.0	98.8	99.2
6°	97.9	98.1	98.3	98.1	98.3
7°	96.8	97.2	97.2	97.2	97.6
8°	95.8	96.1	96.3	96.1	96.5
9°	94.7	94.9	95.0	95.0	95.4
10°	93.4	93.6	93.6	93.8	94.2
11°	92.0	92.0	92.4	92.4	92.9
12°	90.2	90.4	90.8	90.9	91.3
13°	88.6	88.8	89.2	89.3	89.9
14°	86.8	87.2	87.5	87.7	88.3
15°	85.0	85.2	85.8	85.9	86.5
17.5°	80.0	80.2	81.1	81.5	82.0
20°	74.7	75.2	76.1	76.6	77.2
22.5°	69.1	69.7	70.8	71.6	72.0
25°	63.8	64.5	65.6	66.6	67.2
27.5°	58.4	59.1	60.4	61.5	62.2
30°	53.2	54.0	55.4	56.3	57.0
32.5°	48.4	49.1	50.7	51.6	52.2
35°	43.8	44.5	46.1	47.0	47.5
37.5°	39.7	40.4	41.8	42.7	43.1
40°	35.4	36.3	37.7	38.6	38.9
42.5°	31.8	32.5	33.9	34.7	35.2
45°	28.6	29.3	30.6	31.1	31.4
47.5°	25.7	26.1	27.2	27.3	27.7
50°	22.9	23.2	23.9	24.1	23.9
52.5°	20.2	20.5	21.1	20.9	20.9
55°	17.7	17.9	18.6	18.2	18.0
57.5°	15.2	15.5	16.3	15.7	15.5
60°	13.0	13.4	13.9	13.6	13.2
62.5°	10.9	11.1	12.0	11.3	10.9
65°	8.6	9.1	9.8	9.3	8.9
67.5°	6.4	7.3	8.0	7.3	7.0
70°	5.0	5.4	5.9	5.5	5.0
72.5°	3.8	3.9	4.1	3.8	3.4
75°	2.9	2.9	2.7	2.3	2.1
77.5°	2.0	2.0	1.6	1.1	1.1
80°	1.3	1.3	0.9	0.4	0.4
82.5°	0.5	0.5	0.4	0.2	0.2
85°	0.2	0.2	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)