

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: P1316768

Luminaire Tested: P3SQAS02R709830DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709830DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

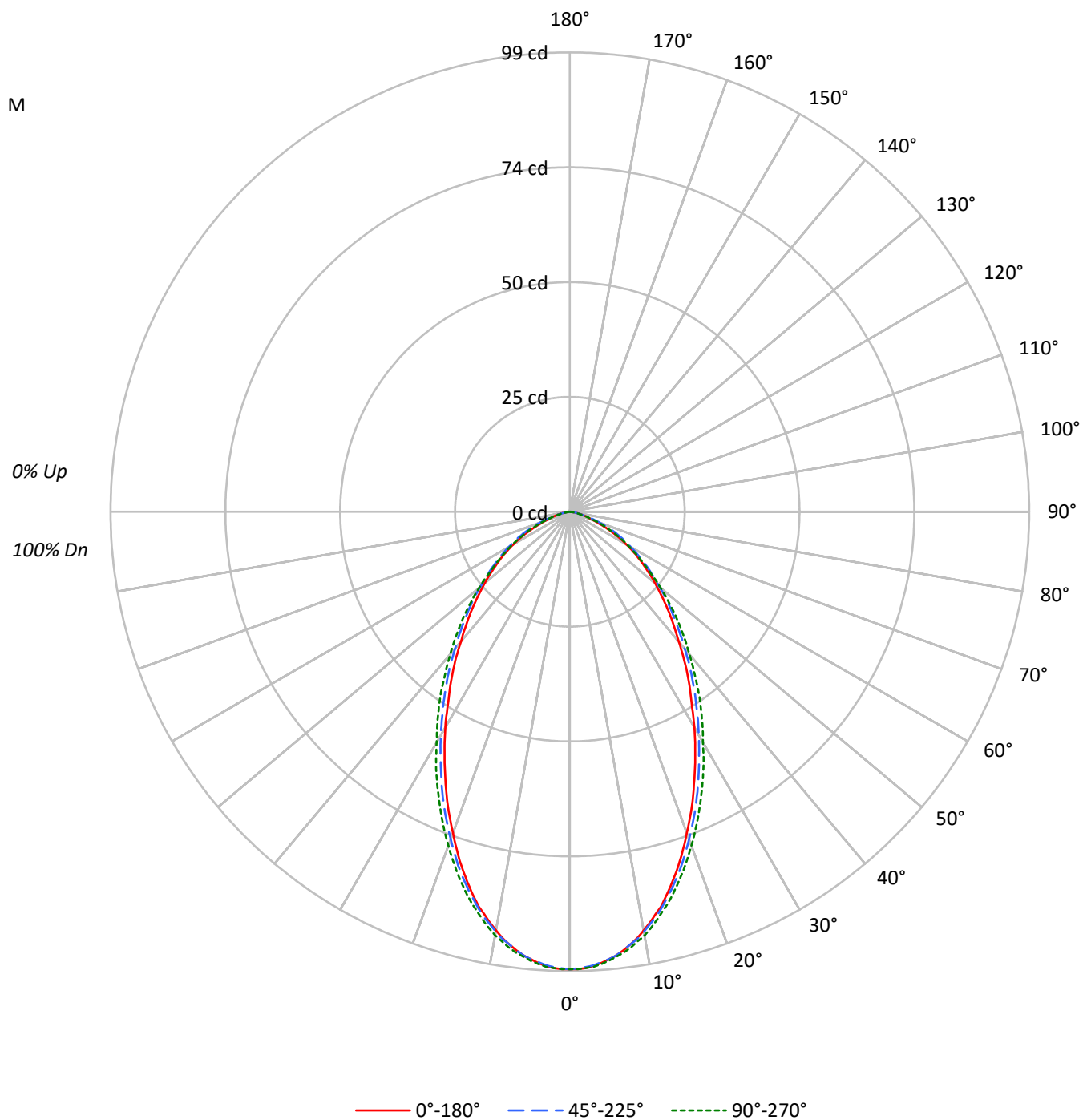
Lumens per Lamp: N/A
Luminaire Lumens: 148.0 lumens
Efficiency: N/A
Efficacy: 41.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	109	105	102	99	101	98	96		97	95	93		94
2	103	96	91	86	101	94	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16981	16981	16981
5°	16735	16735	16787
10°	16019	16071	16211
15°	14924	15048	15244
20°	13507	13764	14039
25°	12067	12409	12751
30°	10679	11057	11415
35°	9398	9818	10239
40°	8206	8656	9015
45°	7282	7672	7940
50°	6430	6752	6859
55°	5645	5975	5795
60°	4857	5236	4994
65°	3871	4523	4075
70°	2769	3525	3072
75°	2129	2262	1930
80°	1389	1389	1091
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7940 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	6.1
10°-20°	23.6	15.9
20°-30°	30.0	20.2
30°-40°	29.2	19.7
40°-50°	24.2	16.4
50°-60°	17.5	11.8
60°-70°	10.3	7.0
70°-80°	3.6	2.5
80°-90°	0.5	0.4
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°	62.6	42.3
0°-40°	91.8	62.0
0°-60°	133.5	90.2
0°-90°	148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	148.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	99	99	99	99	99	
5°	97	97	97	97	97	9
15°	84	84	84	85	86	23
25°	64	64	65	66	67	29
35°	45	45	47	48	49	28
45°	30	30	32	32	33	23
55°	19	19	20	20	19	17
65°	10	10	11	11	10	9
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	98.6	98.6	98.6	98.6	98.6
1°	98.6	98.4	98.4	98.4	98.6
2°	98.4	98.2	98.2	98.2	98.4
3°	98.0	97.9	97.9	97.9	98.2
4°	97.5	97.1	97.3	97.3	97.7
5°	96.8	96.6	96.8	96.8	97.1
6°	96.1	95.9	96.1	96.1	96.4
7°	95.2	95.0	95.2	95.3	95.7
8°	94.1	93.9	94.1	94.3	94.8
9°	93.0	92.8	93.2	93.4	93.7
10°	91.6	91.6	91.9	92.1	92.7
11°	90.2	90.2	90.5	90.9	91.4
12°	88.7	88.7	89.3	89.6	90.0
13°	87.3	87.1	87.7	88.0	88.5
14°	85.5	85.3	86.0	86.6	87.1
15°	83.7	83.7	84.4	85.0	85.5
17.5°	78.9	79.1	80.0	80.7	81.2
20°	73.7	74.2	75.1	76.0	76.6
22.5°	68.7	69.1	70.3	71.4	71.9
25°	63.5	64.2	65.3	66.5	67.1
27.5°	58.5	59.2	60.3	61.5	62.4
30°	53.7	54.2	55.6	56.9	57.4
32.5°	48.8	49.6	51.0	52.2	53.0
35°	44.7	45.3	46.7	47.9	48.7
37.5°	40.6	41.1	42.6	43.6	44.2
40°	36.5	37.4	38.5	39.5	40.1
42.5°	33.1	33.8	34.9	35.8	36.3
45°	29.9	30.4	31.5	32.2	32.6
47.5°	26.8	27.4	28.4	28.8	29.0
50°	24.0	24.5	25.2	25.4	25.6
52.5°	21.3	21.6	22.4	22.4	22.2
55°	18.8	19.3	19.9	19.7	19.3
57.5°	16.5	16.6	17.5	17.2	16.8
60°	14.1	14.5	15.2	14.8	14.5
62.5°	11.8	12.2	13.1	12.7	12.2
65°	9.5	10.2	11.1	10.6	10.0
67.5°	7.2	8.0	8.9	8.4	8.0
70°	5.5	6.3	7.0	6.4	6.1
72.5°	4.3	4.7	5.0	4.7	4.3
75°	3.2	3.4	3.4	3.0	2.9
77.5°	2.3	2.5	2.1	1.8	1.8
80°	1.4	1.6	1.4	1.1	1.1
82.5°	0.7	0.9	0.7	0.7	0.7
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.2	0.2	0.2	0.2	0.2



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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)