

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: P1315764

Luminaire Tested: P3SQAS02R159827DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159827DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

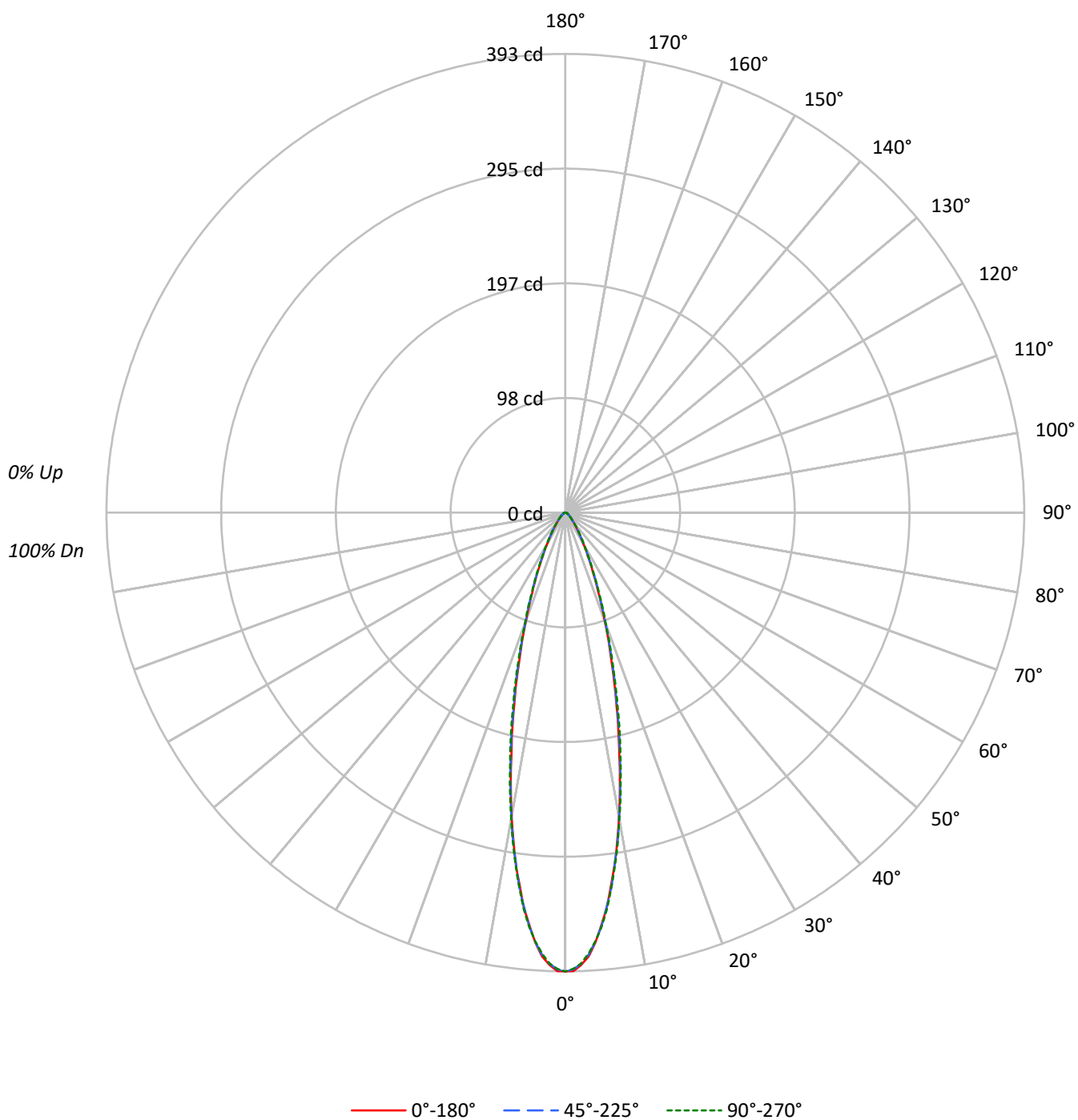
Lumens per Lamp: N/A
Luminaire Lumens: 130.0 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	67701	67701	67701
5°	61321	61442	61528
10°	46291	46413	46640
15°	30025	30364	30953
20°	18089	18291	18547
25°	10565	10794	10946
30°	6205	6403	6503
35°	3826	3974	4037
40°	2518	2585	2630
45°	1754	1778	1827
50°	1286	1340	1393
55°	1051	1111	1111
60°	930	930	930
65°	815	815	815
70°	655	755	755
75°	665	665	665
80°	496	694	694
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 1827 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	23.8
10°-20°	47.3	36.4
20°-30°	26.9	20.7
30°-40°	12.3	9.4
40°-50°	5.9	4.5
50°-60°	3.3	2.5
60°-70°	2.0	1.5
70°-80°	1.1	0.8
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°	105.2	80.9
0°-40°	117.5	90.4
0°-60°	126.7	97.4
0°-90°	130.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	130.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	393	393	393	393	393	
5°	355	355	355	355	356	31
15°	168	169	170	173	174	47
25°	56	56	57	57	58	26
35°	18	18	19	19	19	12
45°	7	7	7	8	8	6
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	393.1	393.1	393.1	393.1	393.1
1°	392.8	391.8	391.4	391.3	390.9
2°	387.8	386.9	386.8	386.8	386.6
3°	380.8	379.3	379.4	378.9	378.4
4°	368.9	368.2	368.6	368.9	368.2
5°	354.7	354.6	355.4	355.4	355.9
6°	340.0	339.9	339.4	340.7	341.4
7°	321.3	322.3	323.7	323.0	323.5
8°	304.3	303.1	303.6	305.3	305.5
9°	284.3	283.4	285.6	286.3	286.4
10°	264.7	265.6	265.4	267.7	266.7
12.5°	213.8	215.2	216.7	217.7	218.7
15°	168.4	169.3	170.3	172.6	173.6
17.5°	129.5	130.5	131.5	133.5	133.9
20°	98.7	99.2	99.8	101.7	101.2
22.5°	73.8	74.6	75.3	76.1	76.6
25°	55.6	55.6	56.8	57.3	57.6
27.5°	41.4	41.7	42.6	43.2	43.1
30°	31.2	31.7	32.2	32.6	32.7
32.5°	24.0	24.0	24.5	25.0	25.2
35°	18.2	18.5	18.9	19.2	19.2
37.5°	14.2	14.4	14.7	14.9	14.9
40°	11.2	11.2	11.5	11.7	11.7
42.5°	8.8	9.0	9.2	9.3	9.3
45°	7.2	7.2	7.3	7.5	7.5
47.5°	5.8	5.8	6.0	6.2	6.2
50°	4.8	5.0	5.0	5.2	5.2
52.5°	4.2	4.2	4.2	4.3	4.3
55°	3.5	3.5	3.7	3.7	3.7
57.5°	3.0	3.0	3.0	3.2	3.2
60°	2.7	2.7	2.7	2.7	2.7
62.5°	2.3	2.3	2.3	2.3	2.3
65°	2.0	2.0	2.0	2.0	2.0
67.5°	1.7	1.7	1.7	1.8	1.8
70°	1.3	1.5	1.5	1.5	1.5
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.0	1.0	1.0	1.0	1.0
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.5	0.7	0.7	0.7	0.7
82.5°	0.3	0.3	0.3	0.3	0.3
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)