

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: P1316655

Luminaire Tested: P3SQAS02R209830DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209830DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

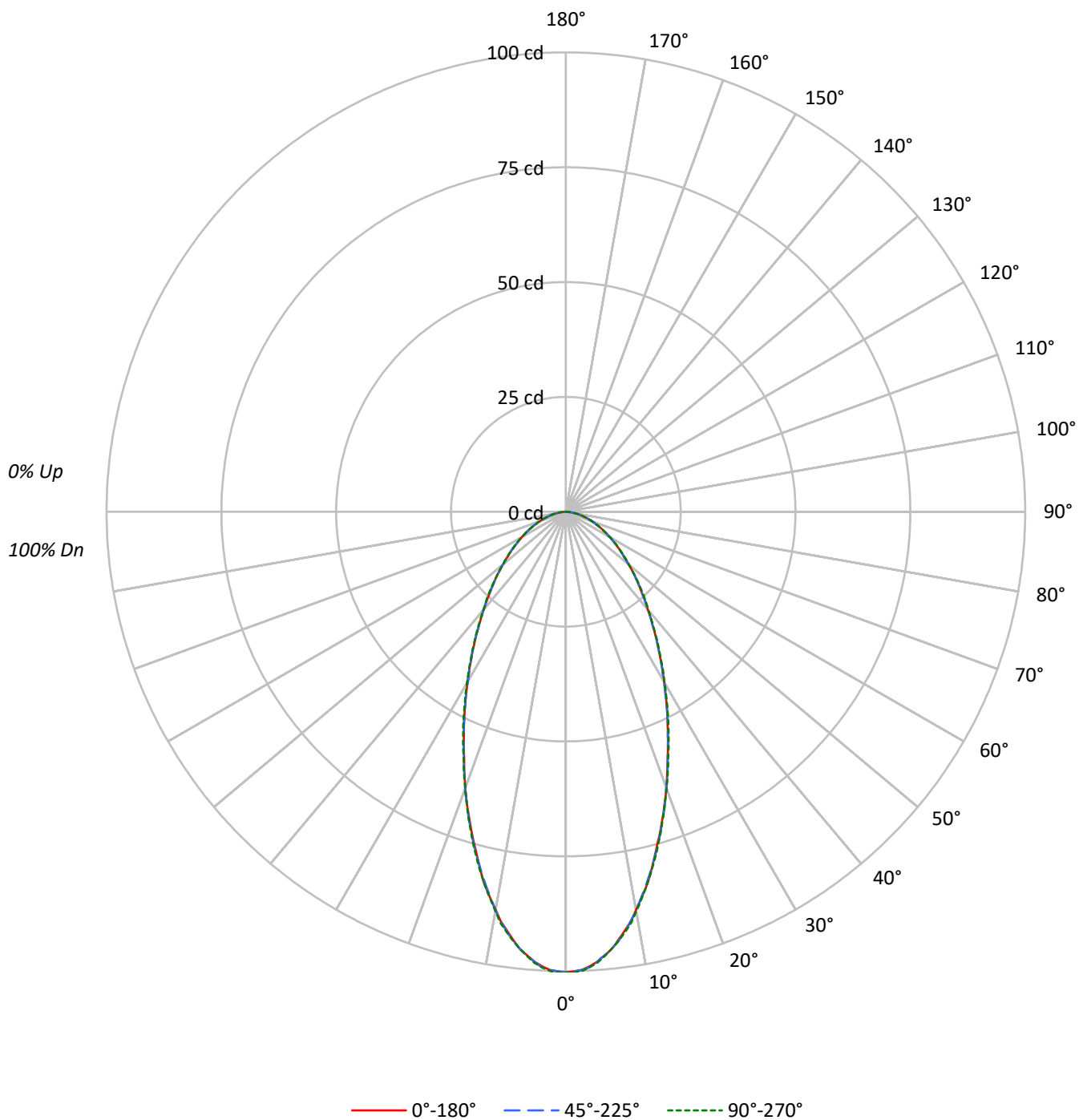
Lumens per Lamp: N/A
Luminaire Lumens: 120.0 lumens
Efficiency: N/A
Efficacy: 33.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	59	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17274	17274	17274
5°	16752	16752	16787
10°	15389	15407	15442
15°	13551	13604	13640
20°	11730	11730	11748
25°	9976	9976	10052
30°	8511	8472	8551
35°	7274	7274	7317
40°	6250	6250	6272
45°	5456	5456	5504
50°	4796	4796	4796
55°	4264	4264	4294
60°	3823	3823	3823
65°	3423	3423	3423
70°	3072	3072	3072
75°	2728	2595	2728
80°	2281	2281	2281
85°	1383	1383	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5504 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	7.5
10°-20°	21.2	17.7
20°-30°	24.2	20.2
30°-40°	21.7	18.1
40°-50°	17.4	14.5
50°-60°	12.8	10.6
60°-70°	8.4	7.0
70°-80°	4.3	3.6
80°-90°	1.0	0.8
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°	54.4	45.3
0°-40°	76.1	63.4
0°-60°	106.3	88.6
0°-90°	120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	120.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	100	100	100	100	100	
5°	97	97	97	97	97	9
15°	76	76	76	76	76	21
25°	52	52	52	53	53	24
35°	35	35	35	35	35	22
45°	22	22	22	22	23	17
55°	14	14	14	14	14	13
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	100.3	100.3	100.3	100.3	100.3
1°	100.1	100.0	100.1	100.1	100.3
2°	99.8	99.8	99.8	99.6	100.0
3°	99.1	99.1	99.3	99.1	99.3
4°	98.2	98.2	98.2	98.0	98.4
5°	96.9	96.9	96.9	96.9	97.1
6°	95.7	95.5	95.7	95.5	95.7
7°	93.9	93.9	94.1	93.9	94.1
8°	92.1	91.9	92.3	92.1	92.4
9°	90.3	90.1	90.3	90.1	90.7
10°	88.0	88.1	88.1	88.1	88.3
12.5°	82.6	82.2	82.2	82.2	82.6
15°	76.0	76.0	76.3	76.3	76.5
17.5°	70.0	69.9	70.2	70.2	70.2
20°	64.0	63.8	64.0	64.0	64.1
22.5°	57.9	58.0	58.0	58.0	58.2
25°	52.5	52.5	52.5	52.7	52.9
27.5°	47.5	47.3	47.5	47.7	47.8
30°	42.8	42.6	42.6	42.8	43.0
32.5°	38.5	38.3	38.5	38.5	38.7
35°	34.6	34.6	34.6	34.6	34.8
37.5°	31.0	31.0	31.0	31.2	31.2
40°	27.8	27.8	27.8	27.9	27.9
42.5°	24.9	24.9	24.9	25.1	25.3
45°	22.4	22.4	22.4	22.4	22.6
47.5°	20.1	20.1	20.1	20.2	20.2
50°	17.9	17.7	17.9	18.1	17.9
52.5°	15.9	15.9	15.9	15.9	16.1
55°	14.2	14.2	14.2	14.2	14.3
57.5°	12.5	12.5	12.5	12.7	12.7
60°	11.1	11.1	11.1	11.1	11.1
62.5°	9.7	9.7	9.7	9.7	9.7
65°	8.4	8.2	8.4	8.4	8.4
67.5°	7.2	7.2	7.2	7.2	7.2
70°	6.1	6.1	6.1	6.1	6.1
72.5°	5.0	5.0	5.0	5.0	5.0
75°	4.1	3.9	3.9	4.1	4.1
77.5°	3.2	3.0	3.2	3.2	3.2
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.4	1.4	1.4	1.6	1.6
85°	0.7	0.7	0.7	0.9	0.9
87.5°	0.2	0.2	0.2	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)