

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: P1316654

Luminaire Tested: P3SQAS02R209830DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209830DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

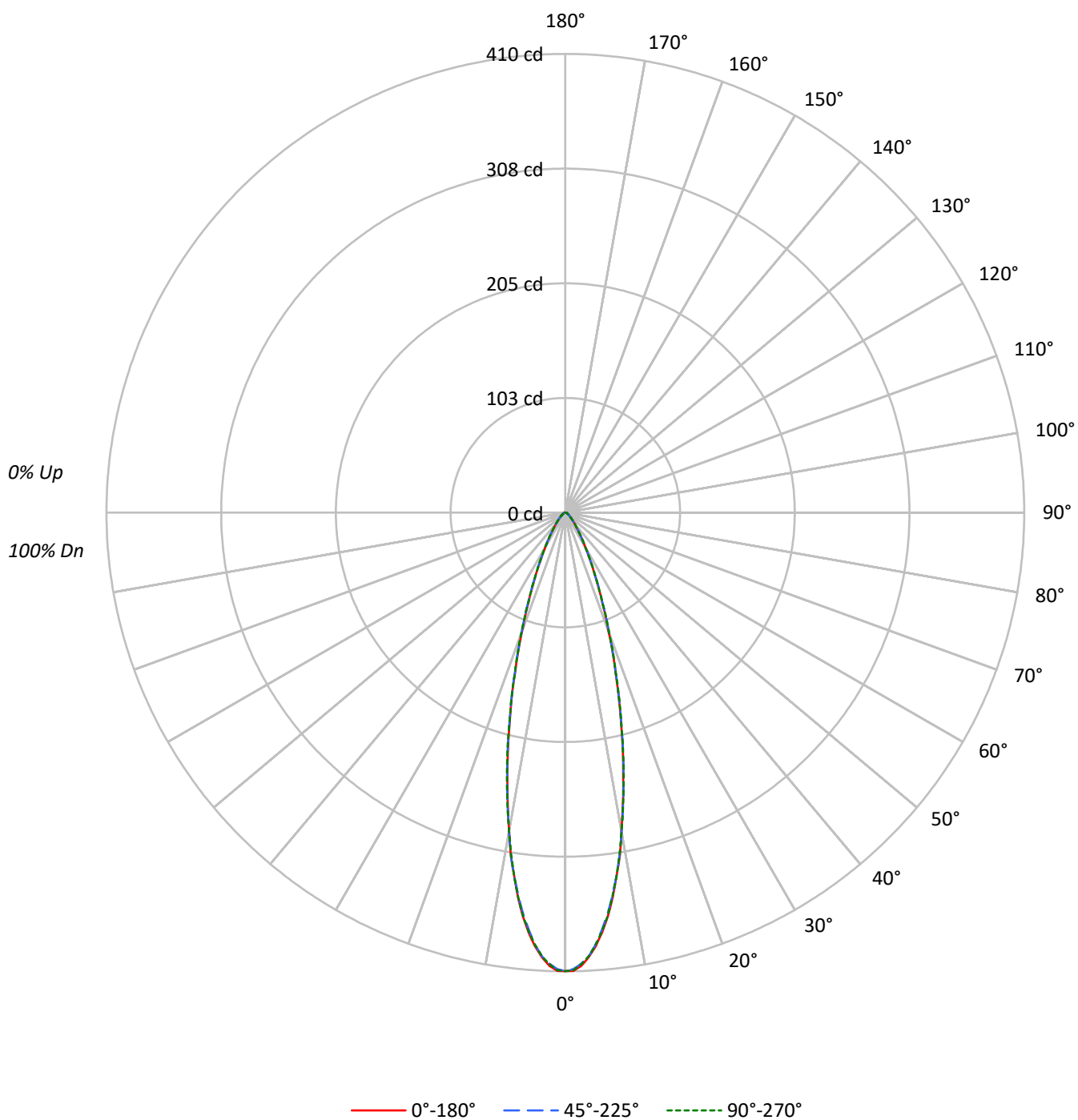
Lumens per Lamp: N/A
Luminaire Lumens: 144.0 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	96	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	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	68	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	70577	70577	70577
5°	65107	64726	64951
10°	50523	50593	50593
15°	34144	34305	34305
20°	20747	21003	21095
25°	12162	12333	12295
30°	7100	7239	7278
35°	4331	4457	4457
40°	2833	2855	2900
45°	1973	1997	2046
50°	1447	1500	1500
55°	1141	1171	1171
60°	999	999	1033
65°	897	897	937
70°	806	806	806
75°	732	732	732
80°	496	496	694
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2046 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	22.9
10°-20°	52.9	36.7
20°-30°	30.6	21.3
30°-40°	13.7	9.5
40°-50°	6.5	4.5
50°-60°	3.6	2.5
60°-70°	2.2	1.5
70°-80°	1.2	0.8
80°-90°	0.3	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°	116.6	81.0
0°-40°	130.3	90.5
0°-60°	140.4	97.5
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°	410	410	410	410	410	
5°	377	375	374	375	376	33
15°	192	192	192	192	192	53
25°	64	64	65	64	65	30
35°	21	21	21	21	21	13
45°	8	8	8	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°	409.8	409.8	409.8	409.8	409.8
1°	409.6	408.5	408.1	407.8	408.9
2°	405.5	404.2	403.5	403.8	404.0
3°	398.1	397.4	397.4	396.9	397.2
4°	388.6	387.2	387.2	387.3	387.3
5°	376.6	375.3	374.4	375.2	375.7
6°	363.1	361.5	360.8	361.0	362.2
7°	346.6	344.5	344.8	345.7	345.7
8°	328.0	327.8	328.2	327.8	328.2
9°	310.8	308.3	310.4	308.6	309.5
10°	288.9	288.7	289.3	289.8	289.3
12.5°	239.0	239.9	240.3	239.6	241.2
15°	191.5	191.5	192.4	191.5	192.4
17.5°	149.0	148.8	149.6	148.8	149.9
20°	113.2	114.4	114.6	114.6	115.1
22.5°	85.4	85.4	86.1	86.3	85.9
25°	64.0	64.0	64.9	64.4	64.7
27.5°	47.3	47.7	48.4	48.8	48.8
30°	35.7	35.9	36.4	36.6	36.6
32.5°	26.9	27.3	27.6	27.8	28.0
35°	20.6	20.8	21.2	21.3	21.2
37.5°	15.8	16.0	16.3	16.5	16.5
40°	12.6	12.6	12.7	12.9	12.9
42.5°	9.9	10.0	10.0	10.2	10.2
45°	8.1	8.1	8.2	8.2	8.4
47.5°	6.5	6.5	6.6	6.8	6.8
50°	5.4	5.4	5.6	5.6	5.6
52.5°	4.5	4.5	4.7	4.7	4.7
55°	3.8	3.8	3.9	3.9	3.9
57.5°	3.2	3.2	3.4	3.4	3.4
60°	2.9	2.9	2.9	2.9	3.0
62.5°	2.5	2.5	2.5	2.5	2.5
65°	2.2	2.2	2.2	2.2	2.3
67.5°	1.8	1.8	1.8	1.8	2.0
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.3	1.3	1.3	1.4	1.4
75°	1.1	1.1	1.1	1.1	1.1
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.5	0.5	0.5	0.7	0.7
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)