

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: P1307489

Luminaire Tested: P3SQAS02R209030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307489
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: P3SQAS02R209030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

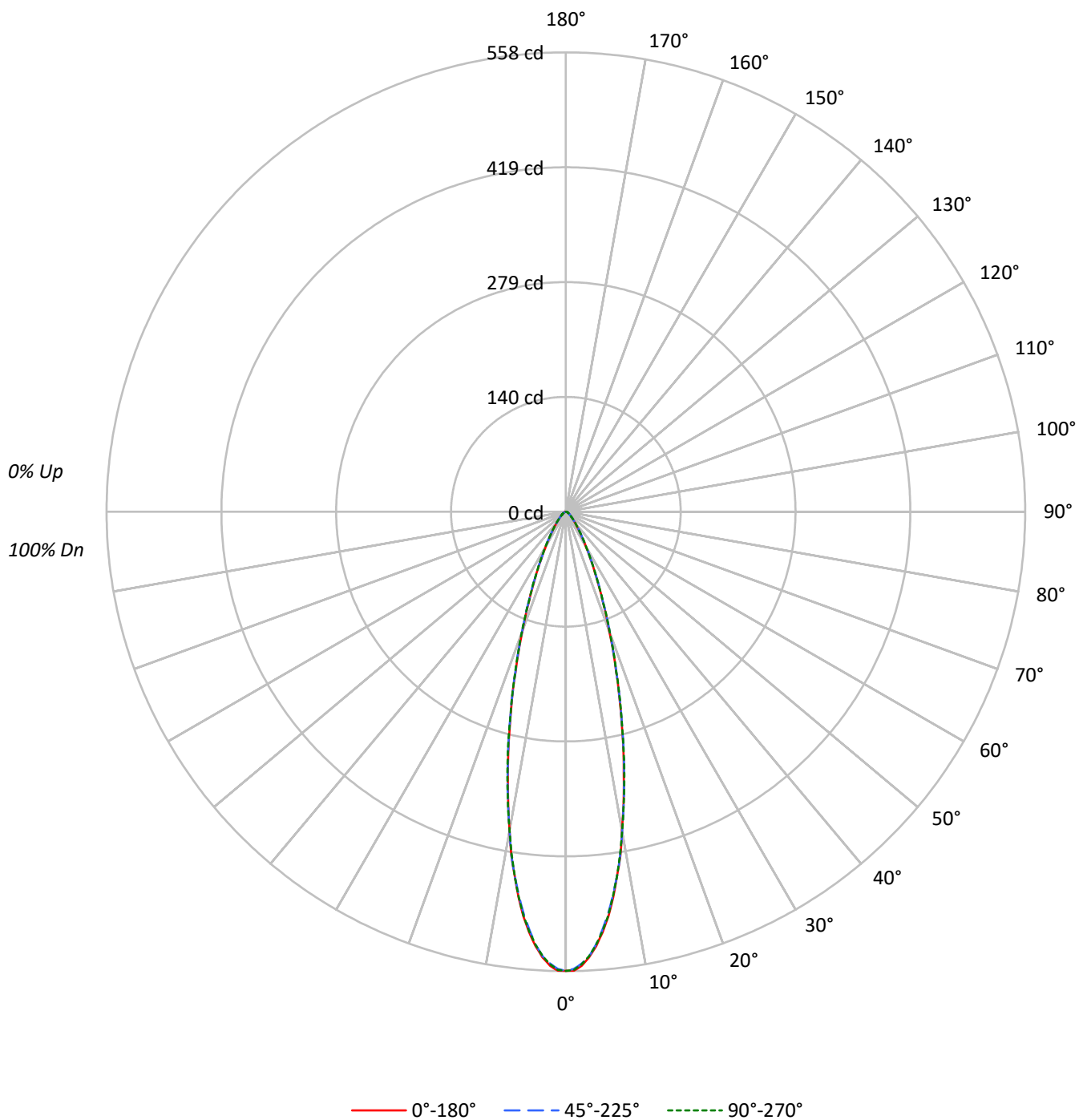
Lumens per Lamp: N/A
Luminaire Lumens: 196.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	69	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°	96049	96049	96049
5°	88619	88100	88411
10°	68763	68850	68850
15°	46482	46696	46696
20°	28224	28591	28719
25°	16551	16798	16741
30°	9665	9844	9904
35°	5908	6055	6055
40°	3844	3889	3957
45°	2679	2728	2801
50°	1956	2036	2036
55°	1531	1621	1621
60°	1343	1343	1412
65°	1182	1182	1304
70°	1108	1108	1108
75°	998	998	998
80°	694	694	992
85°	395	395	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2801 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	22.9
10°-20°	72.0	36.8
20°-30°	41.7	21.3
30°-40°	18.7	9.5
40°-50°	8.9	4.5
50°-60°	4.8	2.5
60°-70°	2.9	1.5
70°-80°	1.6	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°	158.7	81.0
0°-40°	177.4	90.5
0°-60°	191.1	97.5
0°-90°	196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	558	558	558	558	558	
5°	513	511	510	511	511	45
15°	261	261	262	261	262	72
25°	87	87	88	88	88	41
35°	28	28	29	29	29	18
45°	11	11	11	11	12	9
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	557.7	557.7	557.7	557.7	557.7
1°	557.5	556.0	555.5	555.0	556.5
2°	551.9	550.2	549.2	549.7	549.9
3°	541.9	540.9	540.9	540.2	540.6
4°	528.9	527.0	527.0	527.2	527.2
5°	512.6	510.9	509.6	510.6	511.4
6°	494.3	492.1	491.1	491.3	493.0
7°	471.8	468.9	469.4	470.6	470.6
8°	446.4	446.2	446.7	446.2	446.7
9°	423.0	419.6	422.5	420.1	421.3
10°	393.2	393.0	393.7	394.4	393.7
12.5°	325.4	326.6	327.1	326.1	328.3
15°	260.7	260.7	261.9	260.7	261.9
17.5°	202.8	202.6	203.6	202.6	204.1
20°	154.0	155.7	156.0	156.0	156.7
22.5°	116.2	116.2	117.2	117.4	116.9
25°	87.1	87.1	88.4	87.6	88.1
27.5°	64.4	64.9	65.9	66.4	66.4
30°	48.6	48.8	49.5	49.8	49.8
32.5°	36.6	37.1	37.6	37.8	38.1
35°	28.1	28.3	28.8	29.0	28.8
37.5°	21.5	21.7	22.2	22.5	22.5
40°	17.1	17.1	17.3	17.6	17.6
42.5°	13.4	13.7	13.7	13.9	13.9
45°	11.0	11.0	11.2	11.2	11.5
47.5°	8.8	8.8	9.0	9.3	9.3
50°	7.3	7.3	7.6	7.6	7.6
52.5°	6.1	6.1	6.3	6.3	6.3
55°	5.1	5.1	5.4	5.4	5.4
57.5°	4.4	4.4	4.6	4.6	4.6
60°	3.9	3.9	3.9	3.9	4.1
62.5°	3.4	3.4	3.4	3.4	3.4
65°	2.9	2.9	2.9	2.9	3.2
67.5°	2.4	2.4	2.4	2.4	2.7
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.7	1.7	1.7	2.0	2.0
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.7	0.7	0.7	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.5
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)