

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: P1310824

Luminaire Tested: P3SQAS02R209050DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310824
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: P3SQAS02R209050DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

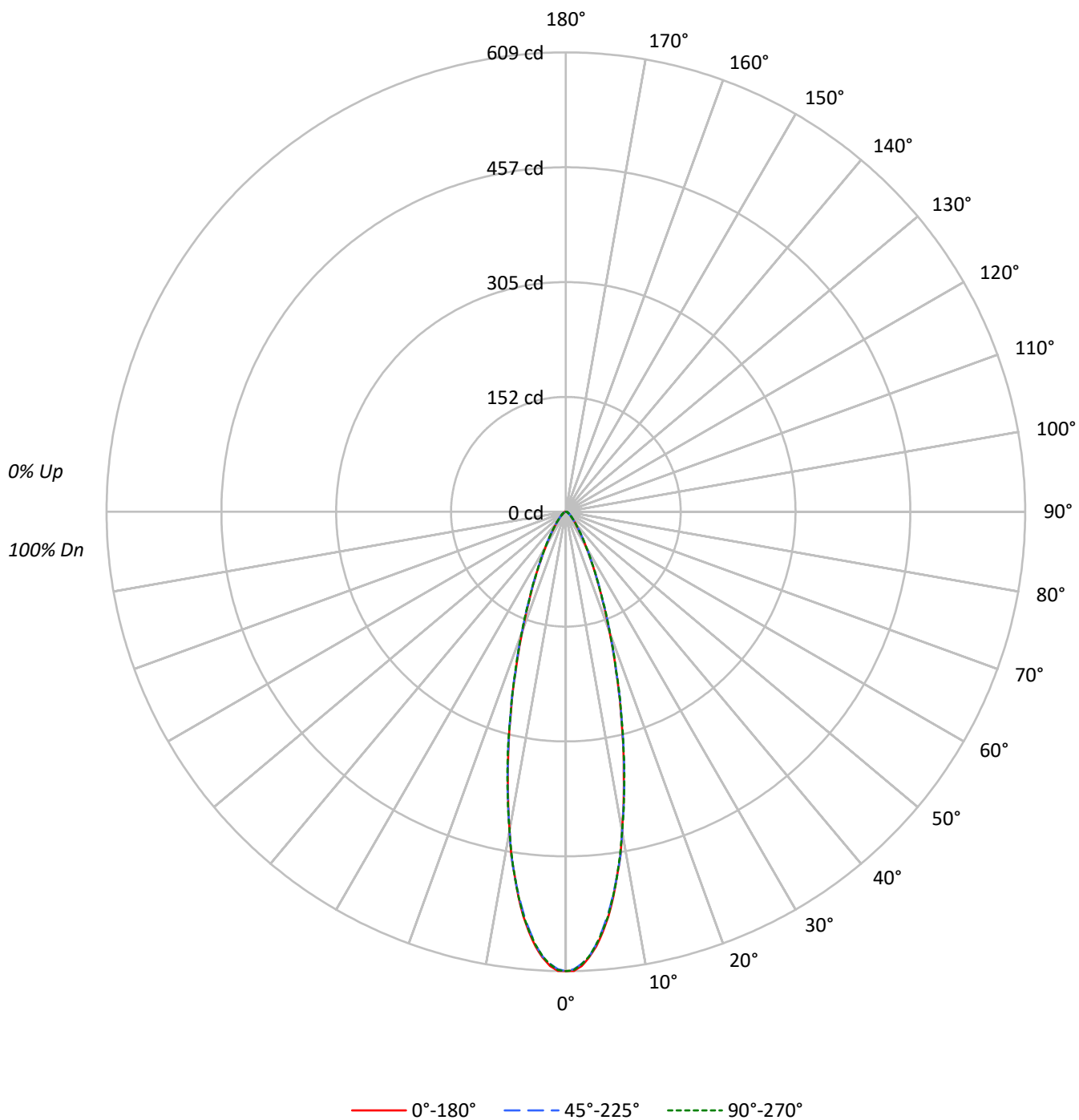
Lumens per Lamp: N/A
Luminaire Lumens: 214.0 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	104884	104884	104884
5°	96744	96208	96519
10°	75076	75181	75181
15°	50744	50993	50993
20°	30827	31212	31358
25°	18072	18338	18281
30°	10540	10759	10818
35°	6433	6602	6602
40°	4204	4249	4317
45°	2923	2996	3044
50°	2143	2224	2224
55°	1681	1772	1772
60°	1481	1481	1550
65°	1304	1304	1426
70°	1209	1209	1209
75°	1065	1065	1065
80°	793	793	1091
85°	593	593	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3044 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	22.9
10°-20°	78.6	36.7
20°-30°	45.5	21.3
30°-40°	20.4	9.5
40°-50°	9.7	4.5
50°-60°	5.3	2.5
60°-70°	3.2	1.5
70°-80°	1.7	0.8
80°-90°	0.4	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°	173.3	81.0
0°-40°	193.7	90.5
0°-60°	208.7	97.5
0°-90°	214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	214.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	609	609	609	609	609	
5°	560	558	556	558	558	49
15°	285	285	286	285	286	78
25°	95	95	96	96	96	45
35°	31	31	31	32	31	20
45°	12	12	12	12	12	10
55°	6	6	6	6	6	5
65°	3	3	3	3	4	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°	609.0	609.0	609.0	609.0	609.0
1°	608.7	607.1	606.6	606.0	607.6
2°	602.6	600.7	599.6	600.2	600.4
3°	591.6	590.6	590.6	589.8	590.3
4°	577.5	575.4	575.4	575.6	575.6
5°	559.6	557.8	556.5	557.5	558.3
6°	539.7	537.3	536.2	536.5	538.3
7°	515.1	511.9	512.5	513.8	513.8
8°	487.4	487.2	487.7	487.2	487.7
9°	461.8	458.1	461.3	458.6	460.0
10°	429.3	429.1	429.9	430.7	429.9
12.5°	355.2	356.6	357.1	356.0	358.4
15°	284.6	284.6	286.0	284.6	286.0
17.5°	221.5	221.2	222.3	221.2	222.8
20°	168.2	170.0	170.3	170.3	171.1
22.5°	126.9	126.9	127.9	128.2	127.7
25°	95.1	95.1	96.5	95.7	96.2
27.5°	70.4	70.9	72.0	72.5	72.5
30°	53.0	53.3	54.1	54.4	54.4
32.5°	40.0	40.5	41.0	41.3	41.6
35°	30.6	30.9	31.4	31.7	31.4
37.5°	23.5	23.7	24.3	24.5	24.5
40°	18.7	18.7	18.9	19.2	19.2
42.5°	14.7	14.9	14.9	15.2	15.2
45°	12.0	12.0	12.3	12.3	12.5
47.5°	9.6	9.6	9.9	10.1	10.1
50°	8.0	8.0	8.3	8.3	8.3
52.5°	6.7	6.7	6.9	6.9	6.9
55°	5.6	5.6	5.9	5.9	5.9
57.5°	4.8	4.8	5.1	5.1	5.1
60°	4.3	4.3	4.3	4.3	4.5
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.2	3.2	3.2	3.2	3.5
67.5°	2.7	2.7	2.7	2.7	2.9
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.9	1.9	1.9	2.1	2.1
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.8	0.8	0.8	1.1	1.1
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)