

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: P1317530

Luminaire Tested: P3SQAS02R209835DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317530
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: P3SQAS02R209835DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

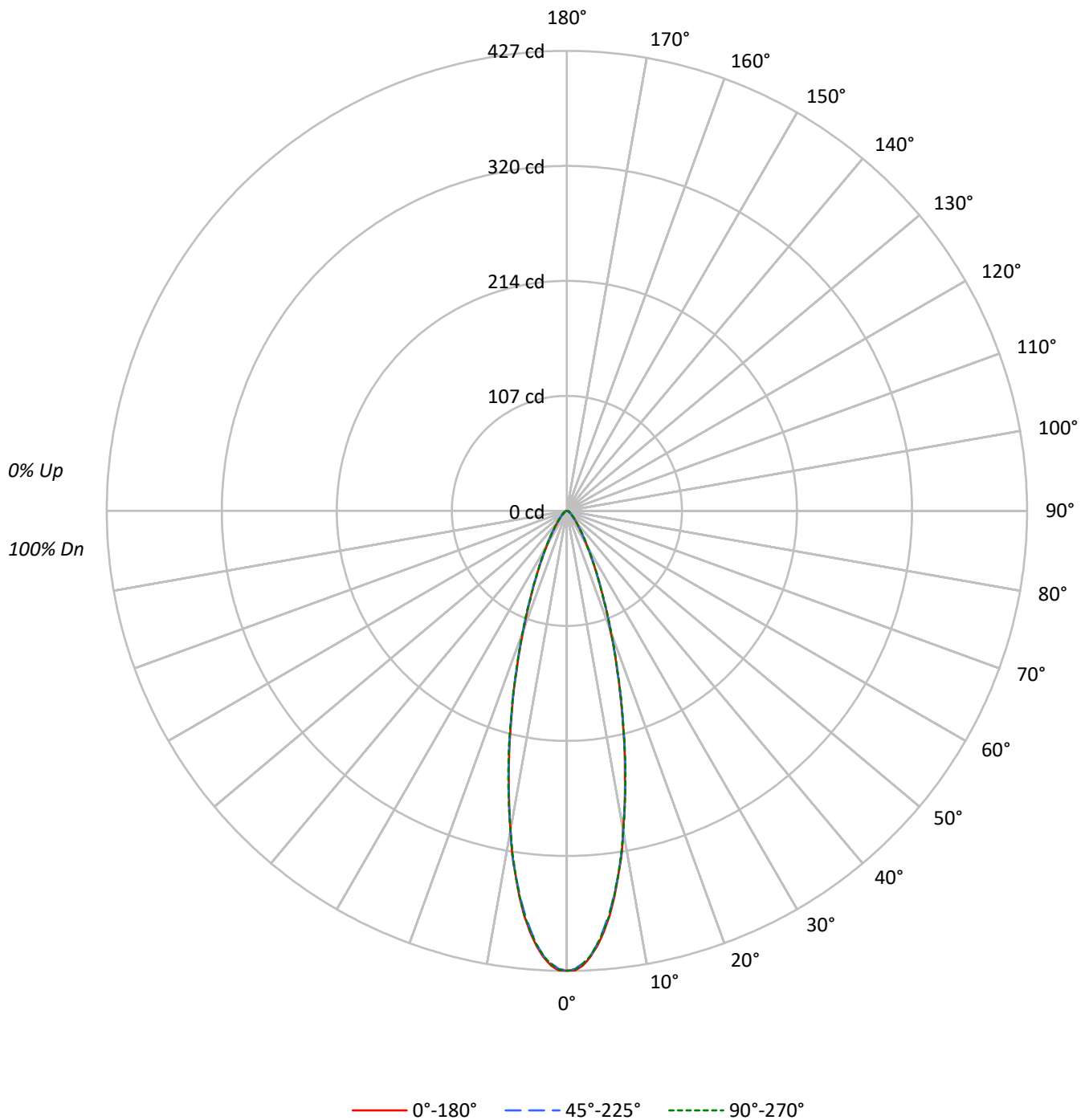
Lumens per Lamp: N/A
Luminaire Lumens: 150.0 lumens
Efficiency: N/A
Efficacy: 41.7 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	73505	73505	73505
5°	67821	67423	67648
10°	52621	52691	52691
15°	35570	35731	35731
20°	21608	21883	21975
25°	12675	12846	12808
30°	7398	7537	7577
35°	4520	4625	4625
40°	2945	2990	3013
45°	2046	2095	2143
50°	1500	1554	1554
55°	1171	1231	1231
60°	1033	1033	1102
65°	897	897	978
70°	856	856	856
75°	732	732	732
80°	595	595	694
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2143 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	22.9
10°-20°	55.1	36.7
20°-30°	31.9	21.3
30°-40°	14.3	9.5
40°-50°	6.8	4.5
50°-60°	3.7	2.5
60°-70°	2.3	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°	121.5	81.0
0°-40°	135.8	90.5
0°-60°	146.3	97.5
0°-90°	150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	150.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	427	427	427	427	427	
5°	392	391	390	391	391	35
15°	200	200	200	200	200	55
25°	67	67	68	67	67	32
35°	22	22	22	22	22	14
45°	8	8	9	9	9	7
55°	4	4	4	4	4	4
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°	426.8	426.8	426.8	426.8	426.8
1°	426.6	425.5	425.2	424.8	425.9
2°	422.4	421.0	420.3	420.7	420.9
3°	414.7	413.9	413.9	413.4	413.8
4°	404.8	403.3	403.3	403.5	403.5
5°	392.3	391.0	390.0	390.8	391.3
6°	378.3	376.6	375.8	376.0	377.3
7°	361.1	358.8	359.2	360.1	360.1
8°	341.7	341.5	341.8	341.5	341.8
9°	323.7	321.1	323.3	321.5	322.4
10°	300.9	300.7	301.3	301.9	301.3
12.5°	249.0	249.9	250.3	249.6	251.2
15°	199.5	199.5	200.4	199.5	200.4
17.5°	155.2	155.0	155.8	155.0	156.2
20°	117.9	119.2	119.4	119.4	119.9
22.5°	88.9	88.9	89.7	89.9	89.5
25°	66.7	66.7	67.6	67.1	67.4
27.5°	49.3	49.7	50.4	50.8	50.8
30°	37.2	37.4	37.9	38.1	38.1
32.5°	28.0	28.4	28.8	29.0	29.1
35°	21.5	21.7	22.0	22.2	22.0
37.5°	16.4	16.6	17.0	17.2	17.2
40°	13.1	13.1	13.3	13.4	13.4
42.5°	10.3	10.5	10.5	10.6	10.6
45°	8.4	8.4	8.6	8.6	8.8
47.5°	6.7	6.7	6.9	7.1	7.1
50°	5.6	5.6	5.8	5.8	5.8
52.5°	4.7	4.7	4.9	4.9	4.9
55°	3.9	3.9	4.1	4.1	4.1
57.5°	3.4	3.4	3.5	3.5	3.5
60°	3.0	3.0	3.0	3.0	3.2
62.5°	2.6	2.6	2.6	2.6	2.6
65°	2.2	2.2	2.2	2.2	2.4
67.5°	1.9	1.9	1.9	1.9	2.1
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.3	1.3	1.3	1.5	1.5
75°	1.1	1.1	1.1	1.1	1.1
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.6	0.6	0.6	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)