

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: P1317581

Luminaire Tested: P3SQAS02R359835DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359835DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

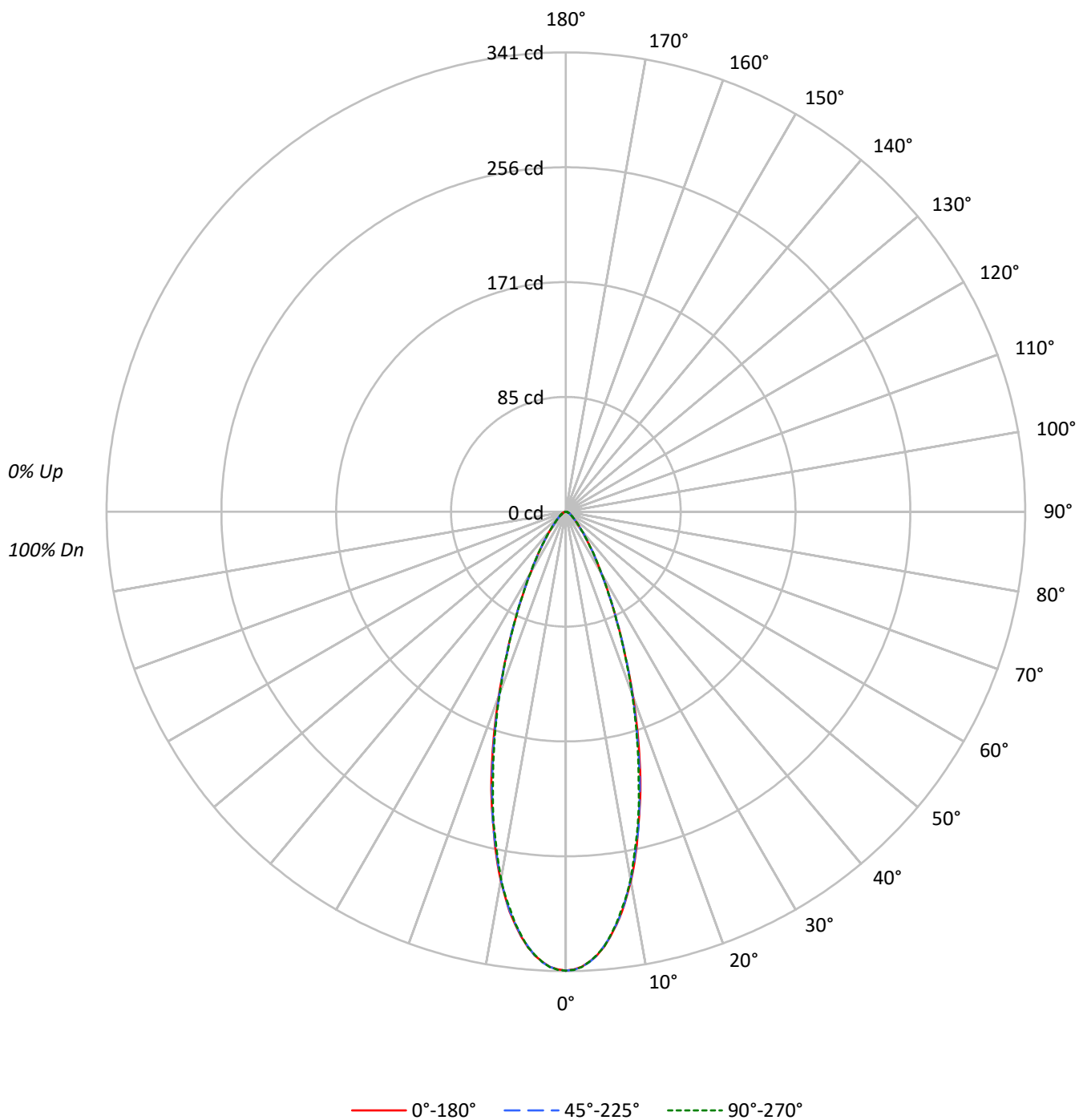
Lumens per Lamp: N/A
Luminaire Lumens: 168.0 lumens
Efficiency: N/A
Efficacy: 46.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	58676	58676	58676
5°	56065	55961	56065
10°	48669	48512	48442
15°	38138	37835	37246
20°	26685	26447	26263
25°	16950	17045	16950
30°	10440	10520	10440
35°	6455	6497	6497
40°	4092	4137	4137
45°	2777	2801	2850
50°	1983	2036	2036
55°	1561	1561	1561
60°	1274	1274	1274
65°	1141	1141	1141
70°	1007	1007	1007
75°	865	865	865
80°	694	694	694
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2850 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	17.5
10°-20°	58.0	34.5
20°-30°	41.8	24.9
30°-40°	20.2	12.0
40°-50°	9.3	5.5
50°-60°	4.8	2.9
60°-70°	2.8	1.7
70°-80°	1.4	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°	129.2	76.9
0°-40°	149.4	88.9
0°-60°	163.5	97.3
0°-90°	168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	341	341	341	341	341	
5°	324	325	324	324	324	29
15°	214	214	212	211	209	58
25°	89	89	90	90	89	42
35°	31	31	31	31	31	20
45°	11	12	12	12	12	9
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
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°	340.7	340.7	340.7	340.7	340.7
1°	339.7	340.3	340.1	340.3	340.1
2°	338.0	338.4	338.0	338.2	338.2
3°	334.5	334.9	334.9	334.7	334.5
4°	330.2	331.2	330.2	330.4	329.9
5°	324.3	325.0	323.7	323.9	324.3
6°	317.0	317.2	316.8	316.6	316.3
7°	308.6	309.4	308.1	308.3	307.9
8°	299.7	299.5	299.5	298.8	297.7
9°	288.9	289.6	288.5	288.2	288.3
10°	278.3	278.3	277.4	276.4	277.0
11°	266.2	265.8	265.3	264.0	263.6
12°	253.0	253.7	252.0	251.5	250.2
13°	239.4	240.5	239.8	237.7	237.9
14°	226.7	226.0	225.4	225.1	223.8
15°	213.9	213.5	212.2	211.3	208.9
17.5°	178.7	179.1	176.7	176.3	175.4
20°	145.6	144.5	144.3	144.5	143.3
22.5°	114.9	116.0	114.7	114.9	114.1
25°	89.2	89.4	89.7	89.7	89.2
27.5°	69.2	69.2	68.9	69.2	68.7
30°	52.5	52.5	52.9	53.2	52.5
32.5°	40.6	40.6	40.6	40.8	41.0
35°	30.7	30.7	30.9	30.9	30.9
37.5°	23.6	23.8	24.0	24.0	24.0
40°	18.2	18.4	18.4	18.6	18.4
42.5°	14.5	14.5	14.5	14.7	14.7
45°	11.4	11.5	11.5	11.7	11.7
47.5°	9.3	9.3	9.3	9.5	9.5
50°	7.4	7.6	7.6	7.6	7.6
52.5°	6.1	6.1	6.3	6.3	6.3
55°	5.2	5.2	5.2	5.2	5.2
57.5°	4.3	4.5	4.5	4.5	4.5
60°	3.7	3.7	3.7	3.7	3.7
62.5°	3.2	3.2	3.2	3.2	3.2
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.2	2.4	2.4	2.4	2.4
70°	2.0	2.0	2.0	2.0	2.0
72.5°	1.5	1.7	1.7	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.1	0.9	0.9	0.9	1.1
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)