

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: P1312890

Luminaire Tested: P3SQAS02R209730DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312890
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: P3SQAS02R209730DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

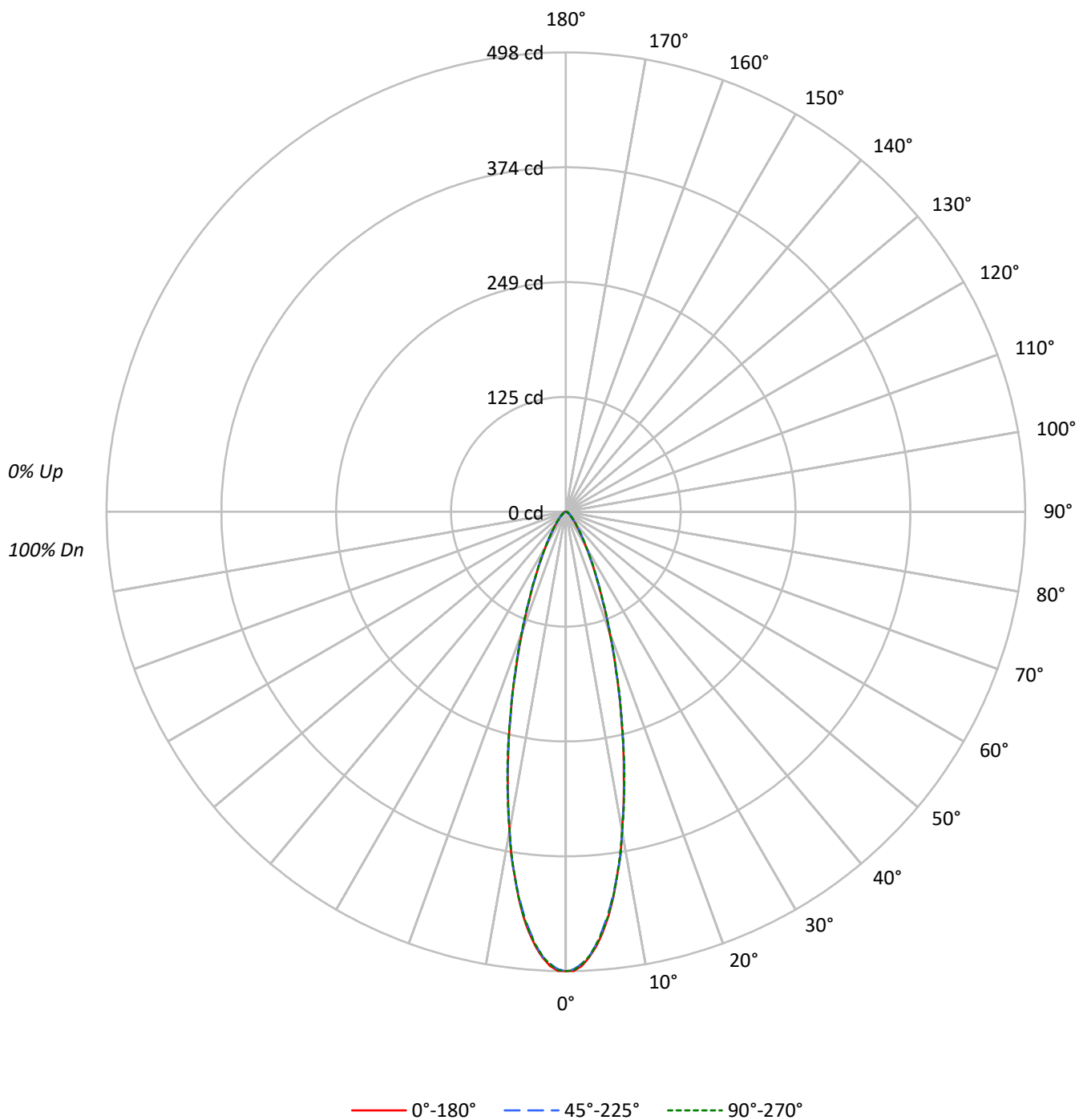
Lumens per Lamp: N/A
Luminaire Lumens: 175.0 lumens
Efficiency: N/A
Efficacy: 48.6 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	85767	85767	85767
5°	79127	78661	78937
10°	61400	61470	61470
15°	41508	41686	41686
20°	25200	25530	25640
25°	14784	14993	14955
30°	8631	8790	8850
35°	5277	5403	5403
40°	3440	3485	3530
45°	2387	2436	2484
50°	1742	1822	1822
55°	1381	1441	1441
60°	1206	1206	1274
65°	1060	1060	1141
70°	1007	1007	1007
75°	865	865	865
80°	694	694	893
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2484 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	22.9
10°-20°	64.3	36.7
20°-30°	37.2	21.3
30°-40°	16.7	9.5
40°-50°	7.9	4.5
50°-60°	4.3	2.5
60°-70°	2.6	1.5
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°	141.7	81.0
0°-40°	158.4	90.5
0°-60°	170.7	97.5
0°-90°	175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	175.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	498	498	498	498	498	
5°	458	456	455	456	457	40
15°	233	233	234	233	234	64
25°	78	78	79	78	79	37
35°	25	25	26	26	26	16
45°	10	10	10	10	10	8
55°	5	5	5	5	5	4
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°	498.0	498.0	498.0	498.0	498.0
1°	497.8	496.4	496.0	495.6	496.9
2°	492.7	491.2	490.3	490.8	491.0
3°	483.8	482.9	482.9	482.3	482.7
4°	472.3	470.5	470.5	470.7	470.7
5°	457.7	456.1	455.0	455.9	456.6
6°	441.3	439.4	438.5	438.7	440.2
7°	421.3	418.6	419.1	420.2	420.2
8°	398.6	398.4	398.8	398.4	398.8
9°	377.7	374.6	377.2	375.1	376.2
10°	351.1	350.9	351.5	352.2	351.5
12.5°	290.5	291.6	292.0	291.2	293.1
15°	232.8	232.8	233.8	232.8	233.8
17.5°	181.1	180.9	181.8	180.9	182.2
20°	137.5	139.0	139.3	139.3	139.9
22.5°	103.7	103.7	104.6	104.8	104.4
25°	77.8	77.8	78.9	78.2	78.7
27.5°	57.5	58.0	58.8	59.3	59.3
30°	43.4	43.6	44.2	44.5	44.5
32.5°	32.7	33.1	33.6	33.8	34.0
35°	25.1	25.3	25.7	25.9	25.7
37.5°	19.2	19.4	19.8	20.0	20.0
40°	15.3	15.3	15.5	15.7	15.7
42.5°	12.0	12.2	12.2	12.4	12.4
45°	9.8	9.8	10.0	10.0	10.2
47.5°	7.8	7.8	8.1	8.3	8.3
50°	6.5	6.5	6.8	6.8	6.8
52.5°	5.4	5.4	5.7	5.7	5.7
55°	4.6	4.6	4.8	4.8	4.8
57.5°	3.9	3.9	4.1	4.1	4.1
60°	3.5	3.5	3.5	3.5	3.7
62.5°	3.1	3.1	3.1	3.1	3.1
65°	2.6	2.6	2.6	2.6	2.8
67.5°	2.2	2.2	2.2	2.2	2.4
70°	2.0	2.0	2.0	2.0	2.0
72.5°	1.5	1.5	1.5	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.7	0.7	0.7	0.9	0.9
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)