

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: P1316641

Luminaire Tested: P3SQAS02R159830DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159830DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

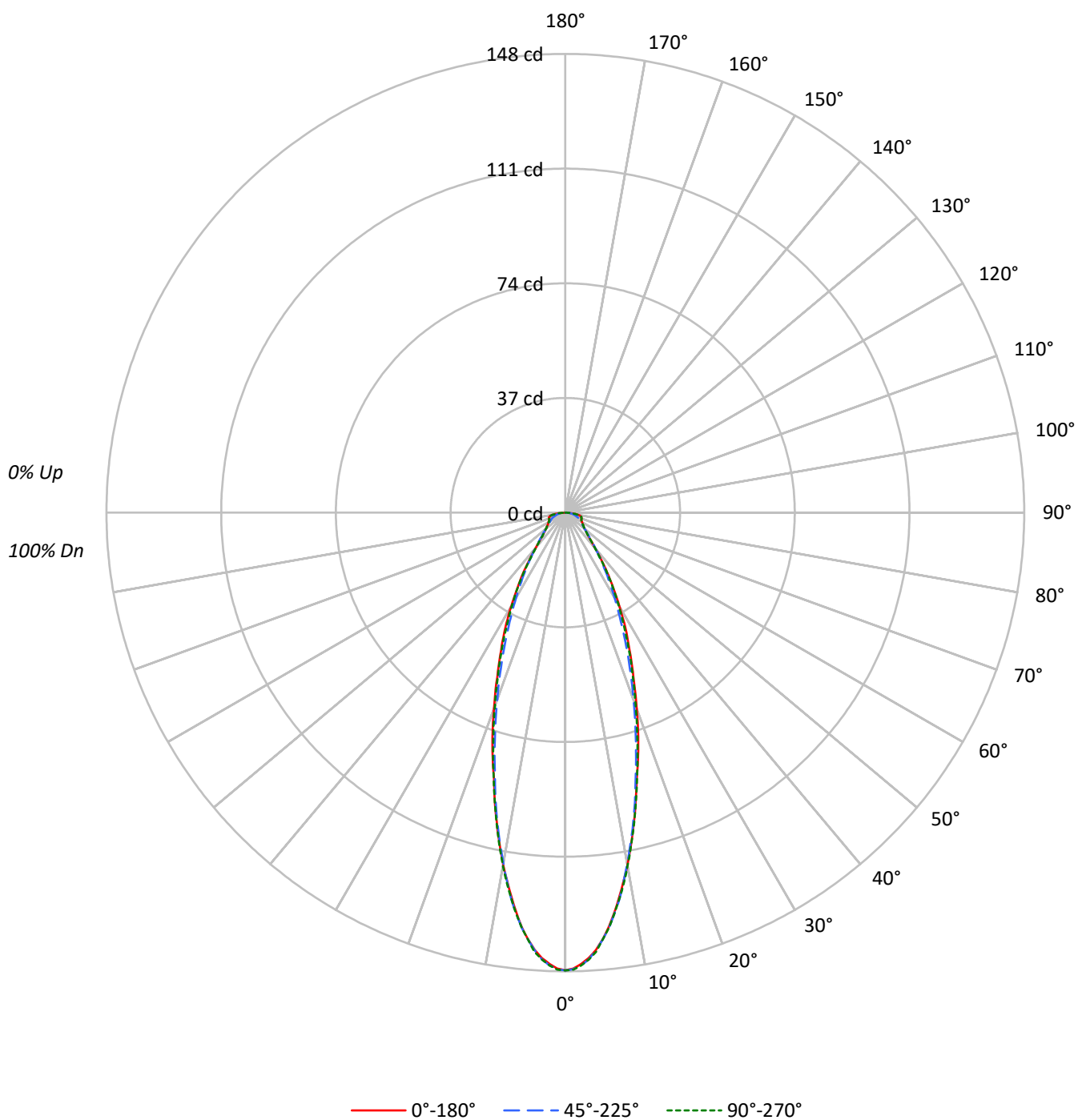
Lumens per Lamp: N/A
Luminaire Lumens: 99.0 lumens
Efficiency: N/A
Efficacy: 27.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25437	25437	25437
5°	23892	23909	23909
10°	20181	20111	20234
15°	15869	15637	15904
20°	12334	11766	12169
25°	9311	8665	9178
30°	6921	6324	6781
35°	4941	4604	4857
40°	3350	3395	3305
45°	2484	2630	2484
50°	2170	2170	2170
55°	2102	1982	2102
60°	2170	1963	2101
65°	2323	2038	2323
70°	2820	2065	2820
75°	3593	2129	3593
80°	4463	2281	4265
85°	3557	2174	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 4463 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	12.6
10°-20°	24.6	24.9
20°-30°	21.8	22.0
30°-40°	14.3	14.4
40°-50°	8.4	8.4
50°-60°	6.2	6.2
60°-70°	5.2	5.3
70°-80°	4.3	4.4
80°-90°	1.8	1.8
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°	58.8	59.4
0°-40°	73.1	73.9
0°-60°	87.7	88.5
0°-90°	99.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	99.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	148	148	148	148	148	
5°	138	138	138	138	138	12
15°	89	89	88	89	89	25
25°	49	47	46	47	48	23
35°	24	23	22	22	23	15
45°	10	10	11	10	10	8
55°	7	7	7	7	7	6
65°	6	5	5	5	6	6
75°	5	4	3	4	5	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	147.7	147.7	147.7	147.7	147.7
1°	147.1	147.3	147.3	147.5	147.5
2°	145.7	146.1	146.2	146.2	146.2
3°	143.9	144.1	144.3	144.4	144.4
4°	141.4	141.6	141.6	141.9	142.1
5°	138.2	138.2	138.3	138.5	138.3
6°	134.4	134.4	134.6	134.6	134.6
7°	129.9	130.1	130.3	130.5	130.3
8°	125.1	125.2	125.8	125.8	125.6
9°	120.2	120.4	120.4	120.9	120.9
10°	115.4	115.4	115.0	115.4	115.7
12.5°	102.3	102.1	101.6	102.1	102.5
15°	89.0	89.0	87.7	88.8	89.2
17.5°	78.2	76.6	75.4	76.4	77.3
20°	67.3	65.7	64.2	65.3	66.4
22.5°	57.4	56.2	54.4	55.4	56.7
25°	49.0	47.4	45.6	46.8	48.3
27.5°	42.0	39.8	38.0	39.5	40.7
30°	34.8	33.4	31.8	32.8	34.1
32.5°	28.7	27.6	26.4	27.3	28.4
35°	23.5	22.6	21.9	22.4	23.1
37.5°	18.8	18.5	18.1	18.3	18.3
40°	14.9	15.1	15.1	15.1	14.7
42.5°	12.2	12.4	12.7	12.4	12.2
45°	10.2	10.4	10.8	10.4	10.2
47.5°	9.0	9.2	9.3	9.0	9.0
50°	8.1	8.1	8.1	8.1	8.1
52.5°	7.5	7.4	7.4	7.4	7.5
55°	7.0	6.8	6.6	6.8	7.0
57.5°	6.5	6.3	6.1	6.3	6.5
60°	6.3	5.9	5.7	5.9	6.1
62.5°	5.9	5.6	5.4	5.6	5.9
65°	5.7	5.2	5.0	5.2	5.7
67.5°	5.6	4.8	4.5	4.8	5.6
70°	5.6	4.5	4.1	4.7	5.6
72.5°	5.4	4.3	3.6	4.3	5.4
75°	5.4	3.9	3.2	4.1	5.4
77.5°	5.0	3.6	2.7	3.8	5.0
80°	4.5	3.2	2.3	3.4	4.3
82.5°	3.2	2.7	1.8	2.7	3.2
85°	1.8	2.0	1.1	1.8	2.0
87.5°	0.2	0.5	0.4	1.1	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)