

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: P1307475

Luminaire Tested: P3SQAS02R159030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

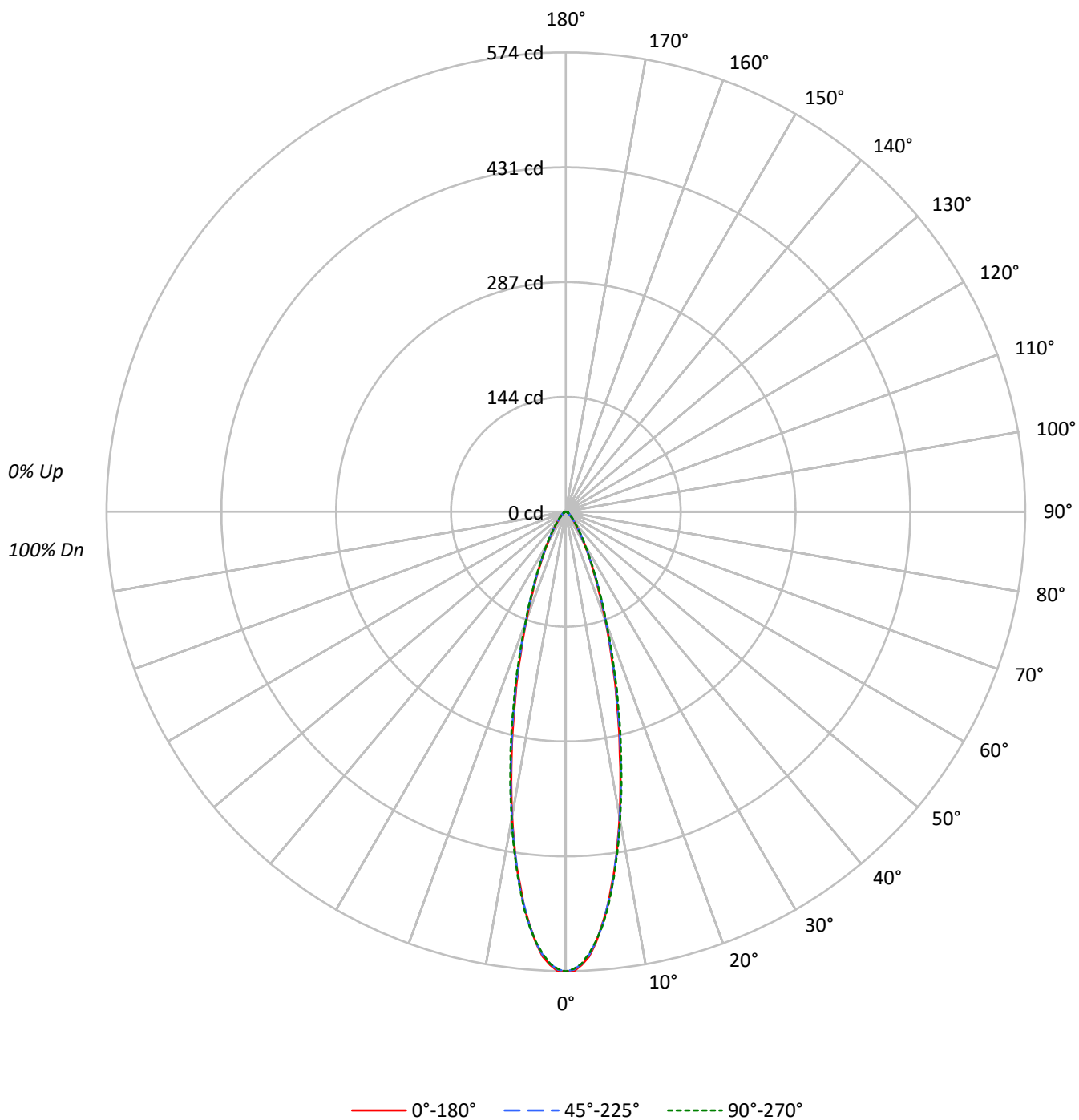
Lumens per Lamp: N/A
Luminaire Lumens: 190.0 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1307475

CATALOG NUMBER: P3SQAS02R159030DE010 E3SQPHL1MW

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	97	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	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	71	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	98942	98942	98942
5°	89621	89794	89915
10°	67661	67836	68185
15°	43897	44361	45234
20°	26428	26740	27088
25°	15430	15753	16000
30°	9068	9367	9506
35°	5593	5803	5908
40°	3665	3777	3844
45°	2557	2606	2679
50°	1902	1956	2036
55°	1531	1621	1621
60°	1343	1343	1343
65°	1182	1182	1182
70°	1007	1108	1108
75°	998	998	998
80°	694	992	992
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2679 cd/sqm

TEST NUMBER: P1307475

CATALOG NUMBER: P3SQAS02R159030DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	23.8
10°-20°	69.2	36.4
20°-30°	39.3	20.7
30°-40°	17.9	9.4
40°-50°	8.6	4.5
50°-60°	4.8	2.5
60°-70°	2.9	1.5
70°-80°	1.6	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°	153.8	80.9
0°-40°	171.7	90.4
0°-60°	185.1	97.5
0°-90°	190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	190.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	574	574	574	574	574	
5°	518	518	519	519	520	45
15°	246	247	249	252	254	68
25°	81	81	83	84	84	39
35°	27	27	28	28	28	17
45°	10	10	11	11	11	8
55°	5	5	5	5	5	5
65°	3	3	3	3	3	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°	574.5	574.5	574.5	574.5	574.5
1°	574.1	572.6	572.1	571.9	571.4
2°	566.7	565.5	565.3	565.3	565.0
3°	556.5	554.3	554.5	553.8	553.1
4°	539.2	538.2	538.7	539.2	538.2
5°	518.4	518.2	519.4	519.4	520.1
6°	497.0	496.7	496.0	497.9	498.9
7°	469.6	471.1	473.1	472.1	472.8
8°	444.8	443.0	443.8	446.2	446.5
9°	415.5	414.3	417.4	418.4	418.7
10°	386.9	388.2	387.9	391.3	389.9
12.5°	312.5	314.5	316.7	318.1	319.6
15°	246.2	247.4	248.8	252.3	253.7
17.5°	189.3	190.8	192.2	195.2	195.7
20°	144.2	144.9	145.9	148.6	147.8
22.5°	107.8	109.1	110.0	111.2	112.0
25°	81.2	81.2	82.9	83.7	84.2
27.5°	60.5	61.0	62.2	63.2	62.9
30°	45.6	46.4	47.1	47.6	47.8
32.5°	35.1	35.1	35.9	36.6	36.8
35°	26.6	27.1	27.6	28.1	28.1
37.5°	20.7	21.0	21.5	21.7	21.7
40°	16.3	16.3	16.8	17.1	17.1
42.5°	12.9	13.2	13.4	13.7	13.7
45°	10.5	10.5	10.7	11.0	11.0
47.5°	8.5	8.5	8.8	9.0	9.0
50°	7.1	7.3	7.3	7.6	7.6
52.5°	6.1	6.1	6.1	6.3	6.3
55°	5.1	5.1	5.4	5.4	5.4
57.5°	4.4	4.4	4.4	4.6	4.6
60°	3.9	3.9	3.9	3.9	3.9
62.5°	3.4	3.4	3.4	3.4	3.4
65°	2.9	2.9	2.9	2.9	2.9
67.5°	2.4	2.4	2.4	2.7	2.7
70°	2.0	2.2	2.2	2.2	2.2
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.7	1.0	1.0	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)