

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: P1315829

Luminaire Tested: P3SQAS02R359827DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315829
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: P3SQAS02R359827DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

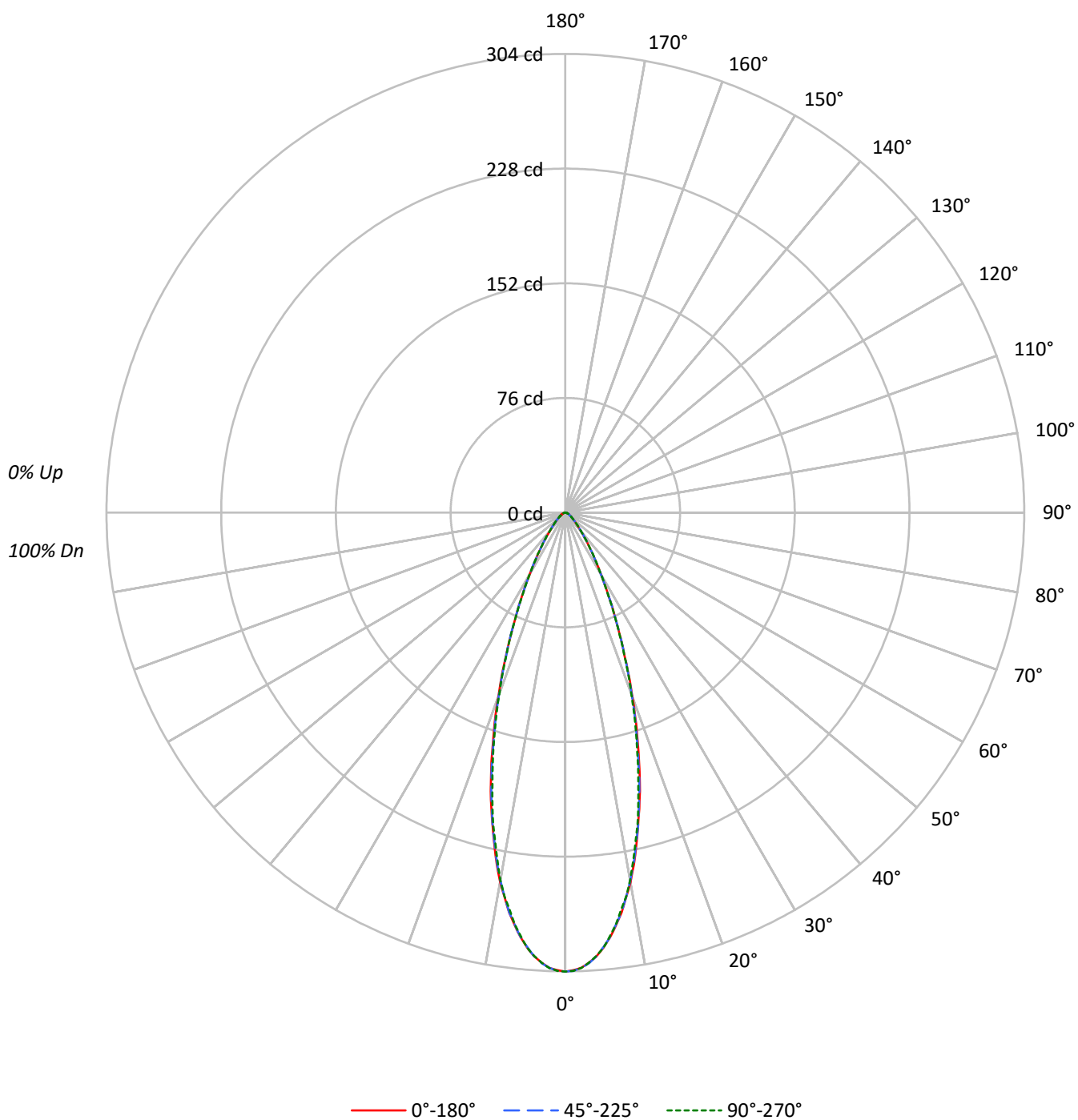
Lumens per Lamp: N/A
Luminaire Lumens: 150.0 lumens
Efficiency: N/A
Efficacy: 41.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	96	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°	52390	52390	52390
5°	50049	49962	50049
10°	43458	43300	43248
15°	34055	33787	33253
20°	23826	23606	23459
25°	15126	15221	15126
30°	9327	9386	9327
35°	5761	5803	5803
40°	3665	3710	3710
45°	2460	2509	2557
50°	1768	1822	1822
55°	1411	1411	1411
60°	1137	1137	1137
65°	1019	1019	1019
70°	906	906	906
75°	799	799	799
80°	694	694	694
85°	395	395	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2557 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	17.5
10°-20°	51.8	34.5
20°-30°	37.3	24.9
30°-40°	18.0	12.0
40°-50°	8.3	5.5
50°-60°	4.3	2.9
60°-70°	2.5	1.7
70°-80°	1.3	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°	115.4	76.9
0°-40°	133.4	88.9
0°-60°	146.0	97.3
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°	304	304	304	304	304	
5°	290	290	289	289	290	26
15°	191	191	190	189	186	52
25°	80	80	80	80	80	37
35°	27	27	28	28	28	18
45°	10	10	10	10	10	8
55°	5	5	5	5	5	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°	304.2	304.2	304.2	304.2	304.2
1°	303.3	303.8	303.7	303.8	303.7
2°	301.8	302.2	301.8	302.0	302.0
3°	298.7	299.0	299.0	298.8	298.7
4°	294.8	295.7	294.8	295.0	294.5
5°	289.5	290.2	289.0	289.2	289.5
6°	283.0	283.2	282.9	282.7	282.4
7°	275.6	276.2	275.1	275.2	274.9
8°	267.6	267.4	267.4	266.8	265.8
9°	257.9	258.6	257.6	257.3	257.5
10°	248.5	248.5	247.6	246.8	247.3
11°	237.7	237.3	236.8	235.7	235.3
12°	225.9	226.5	225.0	224.5	223.4
13°	213.7	214.7	214.1	212.2	212.4
14°	202.4	201.8	201.3	200.9	199.8
15°	191.0	190.6	189.5	188.6	186.5
17.5°	159.6	159.9	157.7	157.4	156.6
20°	130.0	129.0	128.8	129.0	128.0
22.5°	102.5	103.5	102.4	102.5	101.9
25°	79.6	79.8	80.1	80.1	79.6
27.5°	61.8	61.8	61.5	61.8	61.3
30°	46.9	46.9	47.2	47.5	46.9
32.5°	36.2	36.2	36.2	36.4	36.6
35°	27.4	27.4	27.6	27.6	27.6
37.5°	21.1	21.3	21.4	21.4	21.4
40°	16.3	16.5	16.5	16.6	16.5
42.5°	13.0	13.0	13.0	13.1	13.1
45°	10.1	10.3	10.3	10.5	10.5
47.5°	8.3	8.3	8.3	8.5	8.5
50°	6.6	6.8	6.8	6.8	6.8
52.5°	5.5	5.5	5.7	5.7	5.7
55°	4.7	4.7	4.7	4.7	4.7
57.5°	3.8	4.0	4.0	4.0	4.0
60°	3.3	3.3	3.3	3.3	3.3
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.5	2.5	2.5	2.5	2.5
67.5°	2.0	2.2	2.2	2.2	2.2
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.3	1.5	1.5	1.5	1.5
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.0	0.8	0.8	0.8	1.0
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.3
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)