

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: P1305416

Luminaire Tested: P3SQASS02R259024DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS02R259024DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

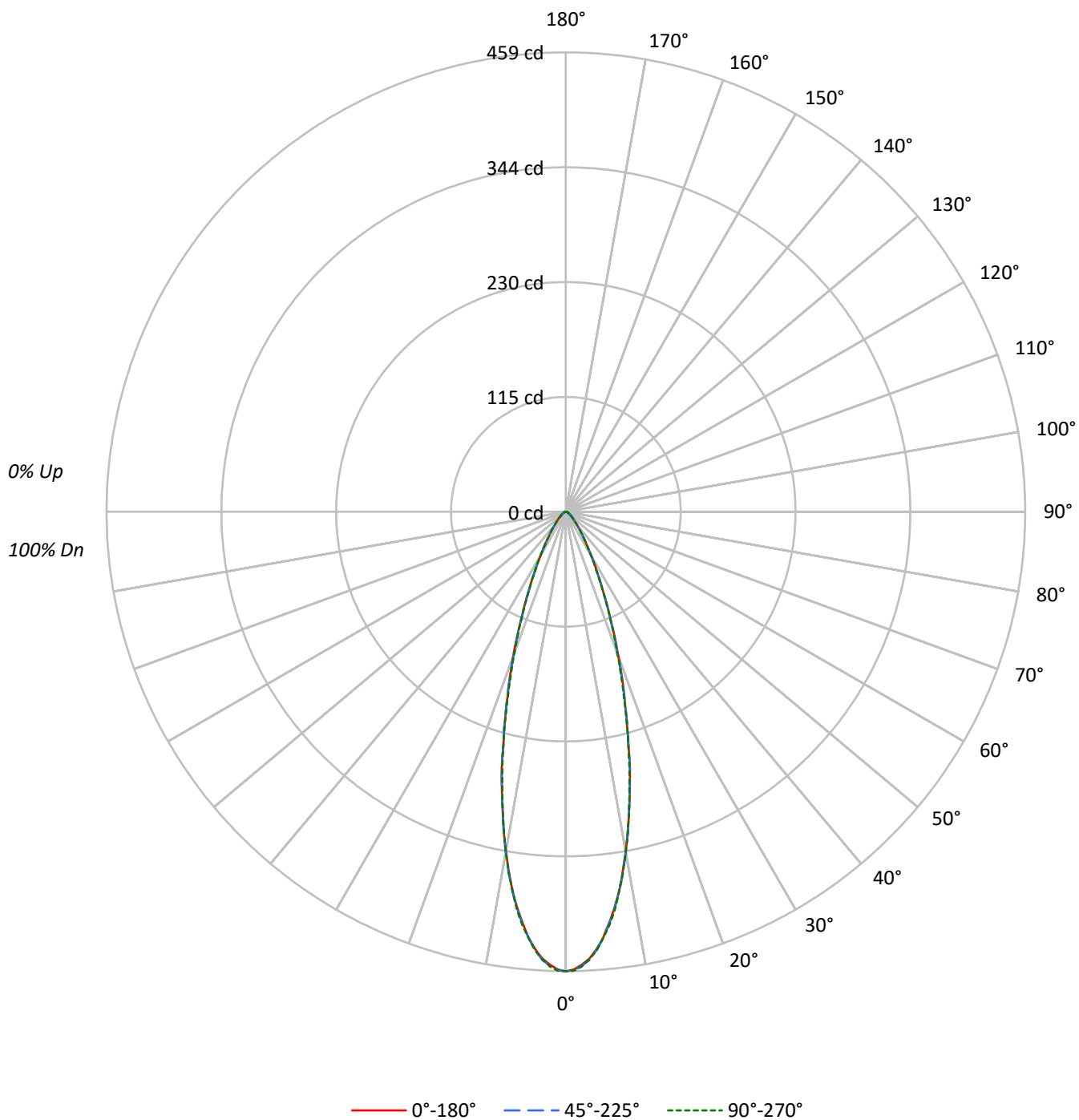
Lumens per Lamp: N/A
Luminaire Lumens: 184.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	79085	79085	79085
5°	73820	73889	73924
10°	60211	60403	60403
15°	43005	43237	43005
20°	28151	27876	27473
25°	16741	16817	16741
30°	10082	10082	10043
35°	6139	6181	6139
40°	3912	3957	3957
45°	2728	2728	2728
50°	1956	2009	2009
55°	1561	1561	1621
60°	1274	1343	1343
65°	1141	1141	1141
70°	957	957	1057
75°	865	865	998
80°	893	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2728 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	20.7
10°-20°	66.5	36.1
20°-30°	41.8	22.7
30°-40°	19.1	10.4
40°-50°	8.9	4.9
50°-60°	4.8	2.6
60°-70°	2.8	1.5
70°-80°	1.5	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°	146.5	79.6
0°-40°	165.6	90.0
0°-60°	179.4	97.5
0°-90°	184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	459	459	459	459	459	
5°	427	428	427	428	428	38
15°	241	243	242	243	241	67
25°	88	89	88	88	88	42
35°	29	29	29	29	29	19
45°	11	11	11	11	11	9
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	1	1	1	2	2	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°	459.2	459.2	459.2	459.2	459.2
1°	457.3	457.7	458.1	458.8	458.6
2°	453.0	453.8	454.1	454.9	454.7
3°	447.2	447.0	448.7	448.7	447.6
4°	438.2	438.6	439.0	439.5	439.7
5°	427.0	427.9	427.4	427.9	427.6
6°	413.2	414.5	414.3	414.8	415.4
7°	398.6	399.5	399.5	399.1	400.8
8°	382.7	382.1	383.2	382.7	382.5
9°	363.8	365.1	365.4	364.3	364.7
10°	344.3	345.2	345.4	346.0	345.4
11°	325.0	325.0	325.4	326.5	324.8
12°	303.9	305.9	303.9	304.8	303.9
13°	283.9	284.4	283.9	283.7	282.2
14°	265.0	263.5	264.0	262.3	262.5
15°	241.2	242.7	242.5	242.9	241.2
17.5°	194.0	194.8	194.6	194.2	192.0
20°	153.6	153.6	152.1	151.2	149.9
22.5°	117.3	116.8	116.2	115.6	116.0
25°	88.1	89.1	88.5	88.5	88.1
27.5°	66.6	67.9	66.8	66.2	66.6
30°	50.7	51.1	50.7	50.5	50.5
32.5°	38.2	38.4	38.2	38.2	38.2
35°	29.2	29.2	29.4	29.4	29.2
37.5°	22.6	22.6	22.6	22.6	22.8
40°	17.4	17.6	17.6	17.6	17.6
42.5°	13.7	14.0	14.0	14.0	14.0
45°	11.2	11.2	11.2	11.2	11.2
47.5°	9.0	9.0	9.0	9.0	9.2
50°	7.3	7.5	7.5	7.5	7.5
52.5°	6.2	6.2	6.2	6.2	6.2
55°	5.2	5.2	5.2	5.4	5.4
57.5°	4.3	4.3	4.5	4.5	4.5
60°	3.7	3.9	3.9	3.9	3.9
62.5°	3.2	3.2	3.4	3.4	3.4
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.4	2.4	2.4	2.4	2.6
70°	1.9	1.9	1.9	2.1	2.1
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.3	1.3	1.3	1.5	1.5
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.4	0.4	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



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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)