

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: P1307831

Luminaire Tested: P3SQAS09R259030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307831
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: P3SQAS09R259030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

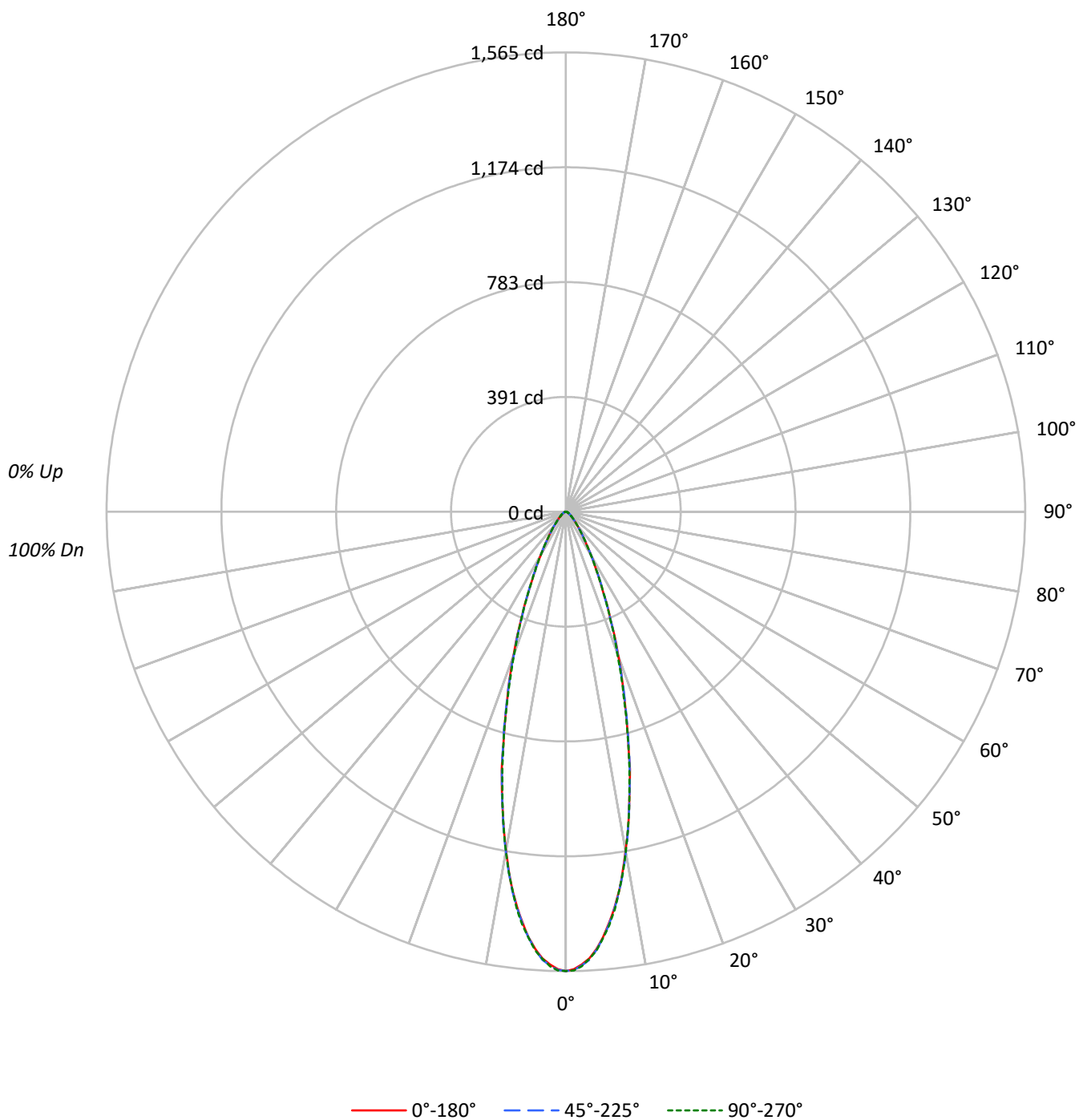
Lumens per Lamp: N/A
Luminaire Lumens: 627.0 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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°	269494	269494	269494
5°	251541	251800	251921
10°	205169	205816	205816
15°	146543	147328	146543
20°	95908	94973	93635
25°	57027	57293	57027
30°	34344	34344	34205
35°	20919	21088	20919
40°	13332	13489	13489
45°	9280	9280	9280
50°	6671	6859	6859
55°	5285	5285	5495
60°	4271	4547	4547
65°	3871	3871	3871
70°	3323	3323	3676
75°	2928	2928	3394
80°	2876	2876	2876
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9280 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	20.7
10°-20°	226.7	36.1
20°-30°	142.5	22.7
30°-40°	65.2	10.4
40°-50°	30.4	4.9
50°-60°	16.4	2.6
60°-70°	9.7	1.5
70°-80°	5.0	0.8
80°-90°	1.1	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°	499.2	79.6
0°-40°	564.4	90.0
0°-60°	611.2	97.5
0°-90°	627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	627.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1565	1565	1565	1565	1565	
5°	1455	1458	1456	1458	1457	130
15°	822	827	826	828	822	227
25°	300	304	302	302	300	143
35°	100	100	100	100	100	65
45°	38	38	38	38	38	30
55°	18	18	18	18	18	16
65°	10	10	10	10	10	9
75°	4	4	4	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1564.8	1564.8	1564.8	1564.8	1564.8
1°	1558.2	1559.7	1561.2	1563.4	1562.6
2°	1543.6	1546.5	1547.3	1550.2	1549.5
3°	1523.8	1523.1	1529.0	1529.0	1525.3
4°	1493.1	1494.6	1496.0	1497.5	1498.2
5°	1455.0	1458.0	1456.5	1458.0	1457.2
6°	1408.2	1412.6	1411.9	1413.3	1415.5
7°	1358.4	1361.4	1361.4	1359.9	1365.7
8°	1304.3	1302.1	1305.7	1304.3	1303.5
9°	1239.9	1244.2	1245.0	1241.3	1242.8
10°	1173.2	1176.2	1176.9	1179.1	1176.9
11°	1107.4	1107.4	1108.8	1112.5	1106.6
12°	1035.7	1042.2	1035.7	1038.6	1035.7
13°	967.6	969.0	967.6	966.9	961.7
14°	903.2	898.1	899.5	893.7	894.4
15°	821.9	827.1	826.3	827.8	821.9
17.5°	660.9	663.8	663.1	661.6	654.3
20°	523.3	523.3	518.2	515.3	510.9
22.5°	399.6	398.2	396.0	393.8	395.2
25°	300.1	303.7	301.5	301.5	300.1
27.5°	226.9	231.3	227.6	225.4	226.9
30°	172.7	174.2	172.7	172.0	172.0
32.5°	130.3	131.0	130.3	130.3	130.3
35°	99.5	99.5	100.3	100.3	99.5
37.5°	76.9	76.9	76.9	76.9	77.6
40°	59.3	60.0	60.0	60.0	60.0
42.5°	46.8	47.6	47.6	47.6	47.6
45°	38.1	38.1	38.1	38.1	38.1
47.5°	30.7	30.7	30.7	30.7	31.5
50°	24.9	25.6	25.6	25.6	25.6
52.5°	21.2	21.2	21.2	21.2	21.2
55°	17.6	17.6	17.6	18.3	18.3
57.5°	14.6	14.6	15.4	15.4	15.4
60°	12.4	13.2	13.2	13.2	13.2
62.5°	11.0	11.0	11.7	11.7	11.7
65°	9.5	9.5	9.5	9.5	9.5
67.5°	8.1	8.1	8.1	8.1	8.8
70°	6.6	6.6	6.6	7.3	7.3
72.5°	5.9	5.9	5.9	5.9	5.9
75°	4.4	4.4	4.4	5.1	5.1
77.5°	3.7	3.7	3.7	3.7	3.7
80°	2.9	2.9	2.9	2.9	2.9
82.5°	1.5	1.5	2.2	2.2	2.2
85°	0.7	0.7	0.7	0.7	0.7
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)