

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: P1309611

Luminaire Tested: P3SQAS24R409035D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R409035D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

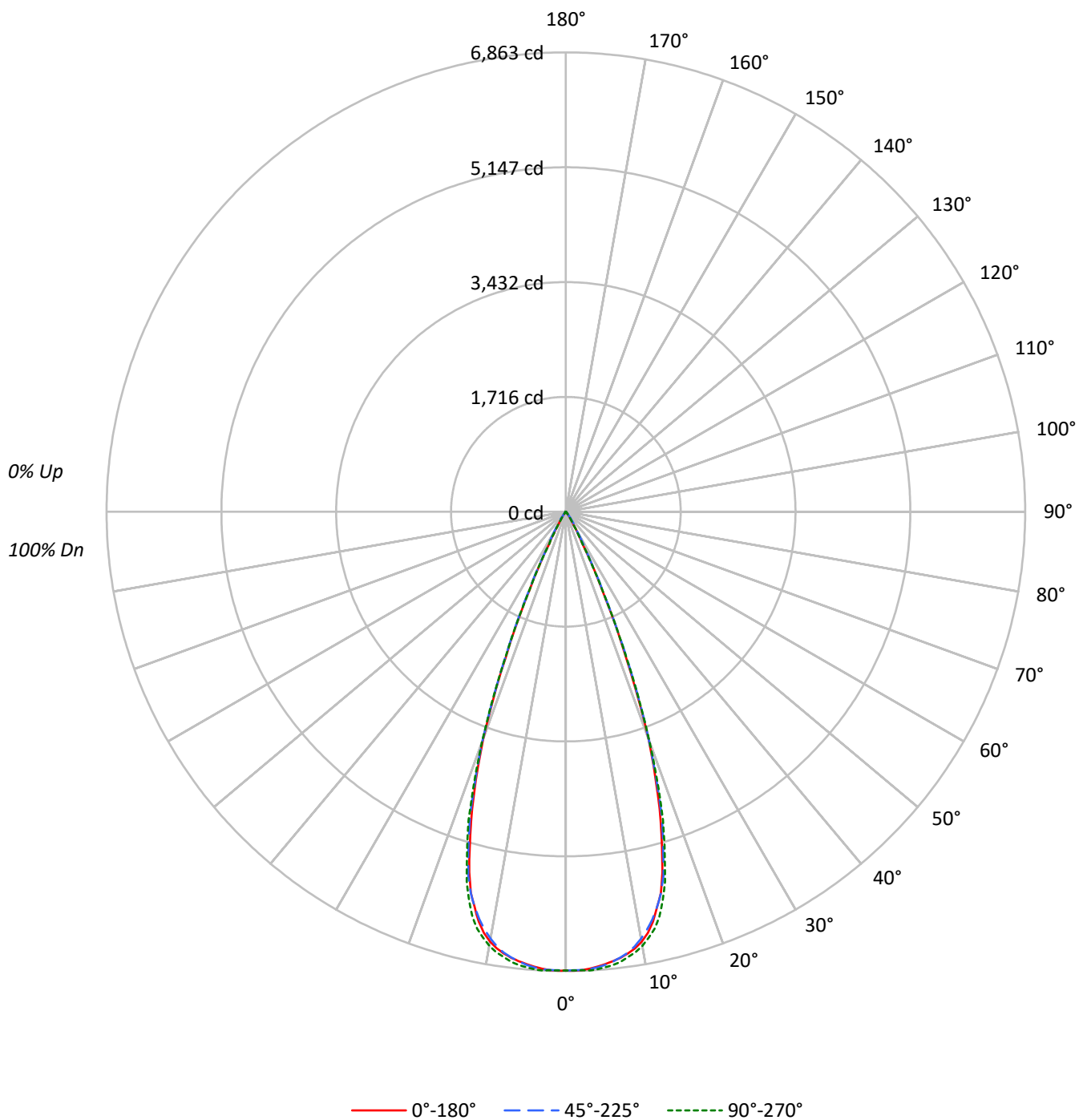
Lumens per Lamp: N/A
Luminaire Lumens: 2901.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		93
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		91
5	99	93	89	85	98	92	88	85	91	87	84		89	86	84		88
6	96	89	85	82	95	89	84	81	87	84	81		86	83	80		85
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82
8	90	83	78	75	89	82	78	75	81	77	75		80	77	74		80
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77
10	84	77	73	70	84	77	73	70	76	72	70		75	72	69		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1180500	1180500	1180500
5°	1172666	1174429	1180774
10°	1140914	1132344	1151249
15°	994083	1004263	1019900
20°	662156	665510	671870
25°	240745	248099	241904
30°	51108	68569	51108
35°	18018	30443	17156
40°	6430	9622	6430
45°	1486	3970	1486
50°	1099	1634	1099
55°	1231	1231	1231
60°	1412	1412	1412
65°	815	1671	815
70°	1007	1007	1007
75°	1331	1331	1331
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.5	22.1
10°-20°	1492.6	51.5
20°-30°	671.8	23.2
30°-40°	76.5	2.6
40°-50°	10.9	0.4
50°-60°	3.7	0.1
60°-70°	3.1	0.1
70°-80°	1.8	0.1
80°-90°	0.0	0.0
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°	2804.9	96.7
0°-40°	2881.3	99.3
0°-60°	2896.0	99.8
0°-90°	2901.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2901.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6854	6854	6854	6854	6854	
5°	6783	6775	6793	6824	6830	640
15°	5575	5590	5632	5677	5720	1481
25°	1267	1275	1306	1306	1273	656
35°	86	96	145	92	82	64
45°	6	10	16	10	6	8
55°	4	4	4	4	4	4
65°	2	4	4	4	2	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°	6854.5	6854.5	6854.5	6854.5	6854.5
1°	6858.5	6852.4	6850.4	6862.6	6852.4
2°	6852.4	6848.3	6850.4	6862.6	6854.5
3°	6834.1	6836.1	6842.2	6864.7	6862.6
4°	6811.6	6809.6	6821.8	6850.4	6850.4
5°	6783.1	6774.9	6793.3	6823.9	6830.0
6°	6750.4	6740.2	6754.5	6793.3	6807.5
7°	6713.7	6693.3	6705.5	6752.5	6770.8
8°	6664.7	6638.2	6652.5	6699.4	6713.7
9°	6603.5	6562.7	6575.0	6632.1	6660.7
10°	6524.0	6473.0	6475.0	6538.3	6583.1
11°	6411.8	6354.7	6356.7	6436.3	6483.2
12°	6262.9	6211.9	6222.1	6295.5	6371.0
13°	6060.9	6046.6	6058.9	6138.4	6207.8
14°	5865.1	5850.8	5873.2	5946.7	5979.3
15°	5575.4	5589.7	5632.5	5677.4	5720.2
17.5°	4657.4	4712.4	4763.4	4794.0	4830.8
20°	3612.9	3549.6	3631.2	3594.5	3665.9
22.5°	2331.7	2378.7	2399.1	2378.7	2386.8
25°	1266.9	1275.0	1305.6	1305.6	1273.0
27.5°	538.6	581.4	620.2	605.9	538.6
30°	257.0	295.8	344.8	297.8	257.0
32.5°	144.8	171.4	222.4	167.3	140.8
35°	85.7	95.9	144.8	91.8	81.6
37.5°	51.0	53.0	79.6	55.1	49.0
40°	28.6	34.7	42.8	34.7	28.6
42.5°	14.3	20.4	26.5	20.4	14.3
45°	6.1	10.2	16.3	10.2	6.1
47.5°	6.1	6.1	10.2	6.1	6.1
50°	4.1	4.1	6.1	4.1	4.1
52.5°	4.1	4.1	4.1	4.1	4.1
55°	4.1	4.1	4.1	4.1	4.1
57.5°	4.1	4.1	4.1	4.1	4.1
60°	4.1	4.1	4.1	4.1	4.1
62.5°	4.1	4.1	4.1	4.1	4.1
65°	2.0	4.1	4.1	4.1	2.0
67.5°	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)