

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: P1308491

Luminaire Tested: P3SQAS24R409030D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R409030D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

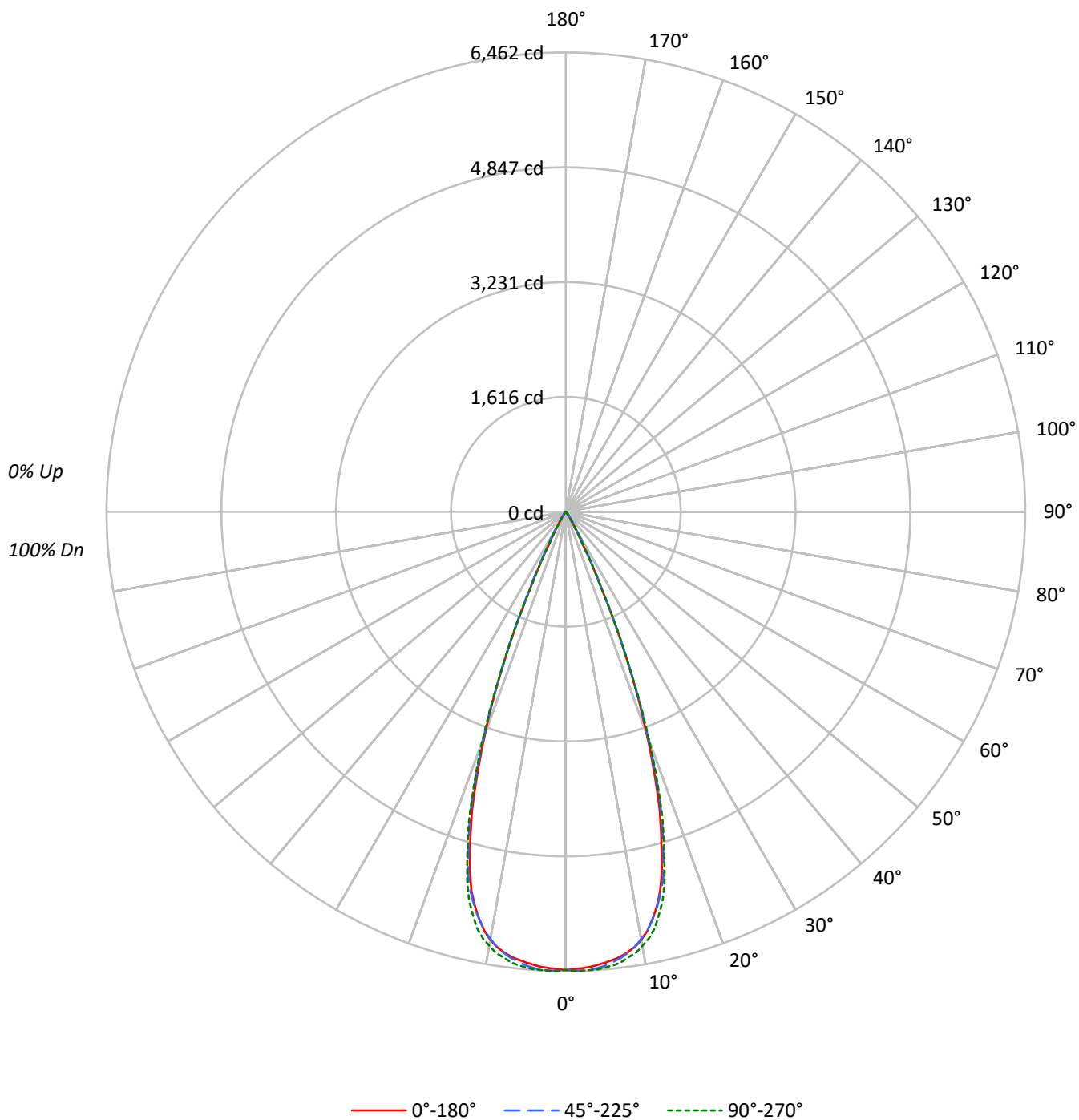
Lumens per Lamp: N/A
Luminaire Lumens: 2711.0 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72		78	75	72		77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70		76	72	70		75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1110285	1110285	1110285
5°	1100678	1107594	1112884
10°	1069335	1067324	1084025
15°	930252	945229	956801
20°	610546	622440	630486
25°	217657	230350	216573
30°	47449	64154	47827
35°	15243	26491	14843
40°	4721	8161	4294
45°	463	2801	463
50°	0	509	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2801 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	602.9	22.2
10°-20°	1404.0	51.8
20°-30°	629.7	23.2
30°-40°	68.0	2.5
40°-50°	6.3	0.2
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	2636.6	97.3
0°-40°	2704.6	99.8
0°-60°	2711.0	100.0
0°-90°	2711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2711.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6447	6447	6447	6447	6447	
5°	6367	6384	6407	6416	6437	601
15°	5217	5256	5301	5332	5366	1386
25°	1145	1180	1212	1233	1140	611
35°	72	84	126	82	71	56
45°	2	4	12	4	2	4
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	6446.8	6446.8	6446.8	6446.8	6446.8
1°	6433.5	6446.8	6458.3	6448.7	6462.1
2°	6427.7	6443.0	6460.2	6450.6	6462.1
3°	6412.5	6431.6	6450.6	6444.9	6456.4
4°	6391.5	6406.7	6435.4	6435.4	6452.6
5°	6366.7	6383.8	6406.7	6416.3	6437.3
6°	6339.9	6349.5	6366.7	6385.7	6414.4
7°	6305.6	6305.6	6326.6	6345.7	6383.8
8°	6257.8	6254.0	6269.3	6294.1	6328.5
9°	6198.7	6185.3	6196.7	6233.0	6284.6
10°	6114.7	6103.2	6103.2	6149.0	6198.7
11°	6005.8	6002.0	6003.9	6047.8	6114.7
12°	5858.8	5862.7	5862.7	5912.3	5994.4
13°	5692.8	5690.9	5708.0	5763.4	5818.8
14°	5490.4	5501.9	5519.0	5568.7	5625.9
15°	5217.4	5255.6	5301.4	5332.0	5366.3
17.5°	4387.0	4425.2	4488.2	4513.0	4520.6
20°	3331.3	3386.6	3396.2	3445.8	3440.1
22.5°	2233.6	2229.8	2237.4	2243.1	2245.0
25°	1145.4	1179.8	1212.2	1233.2	1139.7
27.5°	498.3	557.4	599.4	544.1	504.0
30°	238.6	271.1	322.6	273.0	240.5
32.5°	129.8	150.8	204.3	148.9	127.9
35°	72.5	84.0	126.0	82.1	70.6
37.5°	42.0	45.8	68.7	45.8	40.1
40°	21.0	26.7	36.3	26.7	19.1
42.5°	7.6	13.4	19.1	13.4	7.6
45°	1.9	3.8	11.5	3.8	1.9
47.5°	0.0	0.0	5.7	0.0	0.0
50°	0.0	0.0	1.9	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)