

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: P1317410

Luminaire Tested: P3SQAS20R309830D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309830D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

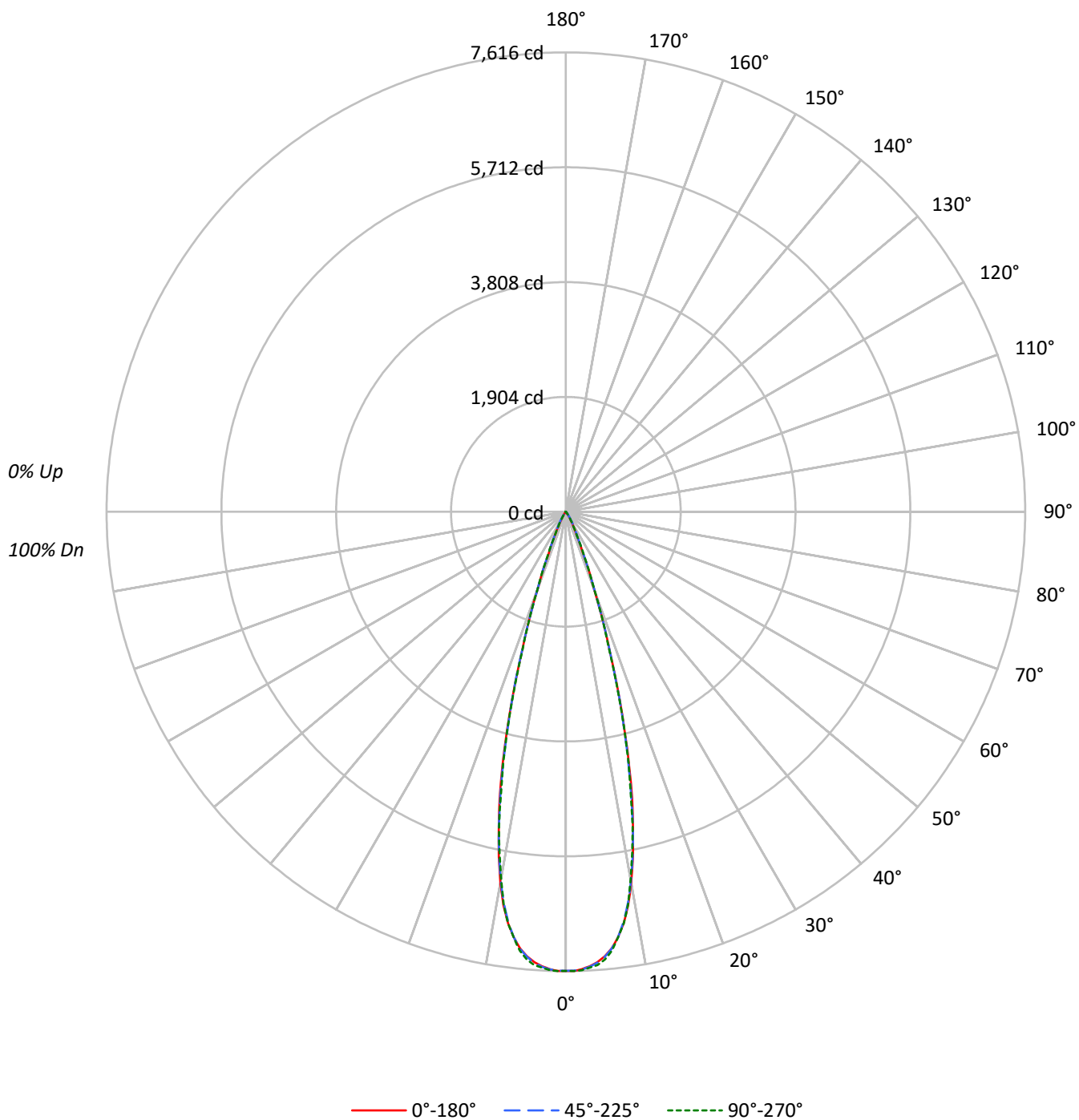
Lumens per Lamp: N/A
Luminaire Lumens: 1964.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	113	111	110	113	111	109	108	107	106	105		103	102	101		100
2	112	108	105	103	109	106	104	102	103	101	99		100	99	97		98
3	108	104	100	97	106	102	99	97	100	97	95		98	95	94		95
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93
5	102	96	92	89	101	95	92	89	94	91	88		92	90	87		91
6	99	93	89	86	98	92	89	86	91	88	85		90	87	85		89
7	96	90	86	83	95	90	86	83	89	85	83		87	85	82		87
8	94	88	84	81	93	87	83	81	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1310855	1310855	1310855
5°	1278901	1280474	1287614
10°	1092280	1087191	1080790
15°	674056	666157	668617
20°	254753	256146	255871
25°	78367	85911	81844
30°	31600	40091	32813
35°	9314	17030	9629
40°	3777	6857	3777
45°	755	2241	755
50°	0	402	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: 2241 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.3	34.2
10°-20°	994.0	50.6
20°-30°	246.5	12.6
30°-40°	46.3	2.4
40°-50°	5.8	0.3
50°-60°	0.0	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°	1911.8	97.3
0°-40°	1958.1	99.7
0°-60°	1964.0	100.0
0°-90°	1964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1964.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7611	7611	7611	7611	7611	
5°	7398	7394	7407	7419	7448	672
15°	3780	3744	3736	3765	3750	999
25°	412	440	452	451	431	237
35°	44	58	81	60	46	37
45°	3	5	9	6	3	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7611.4	7611.4	7611.4	7611.4	7611.4
1°	7614.5	7608.4	7608.4	7599.2	7616.0
2°	7587.0	7580.9	7591.6	7583.9	7605.3
3°	7545.7	7538.1	7553.4	7558.0	7568.7
4°	7484.6	7478.5	7495.3	7504.5	7533.5
5°	7397.6	7394.5	7406.7	7419.0	7448.0
6°	7278.4	7273.9	7281.5	7296.8	7315.1
7°	7105.8	7096.7	7102.8	7105.8	7110.4
8°	6887.4	6873.7	6866.0	6882.8	6892.0
9°	6606.3	6591.1	6574.3	6568.2	6589.5
10°	6245.9	6222.9	6216.8	6201.6	6180.2
11°	5827.3	5809.0	5804.4	5776.9	5764.7
12°	5347.7	5338.5	5349.2	5332.4	5326.3
13°	4887.9	4829.9	4822.2	4790.2	4773.4
14°	4344.1	4290.7	4289.2	4272.4	4295.3
15°	3780.5	3743.8	3736.2	3765.2	3750.0
17.5°	2410.4	2434.8	2428.7	2413.4	2387.4
20°	1390.0	1373.2	1397.6	1403.8	1396.1
22.5°	740.8	746.9	751.5	769.8	782.1
25°	412.4	439.9	452.1	450.6	430.7
27.5°	256.6	273.4	296.3	281.1	264.3
30°	158.9	172.6	201.6	174.1	165.0
32.5°	85.5	108.5	129.8	108.5	88.6
35°	44.3	58.0	81.0	59.6	45.8
37.5°	29.0	33.6	51.9	33.6	29.0
40°	16.8	21.4	30.5	21.4	16.8
42.5°	7.6	12.2	16.8	12.2	7.6
45°	3.1	4.6	9.2	6.1	3.1
47.5°	0.0	1.5	4.6	1.5	0.0
50°	0.0	0.0	1.5	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)