

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: P1308166

Luminaire Tested: P3SQAS17R309030DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308166
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: P3SQAS17R309030DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

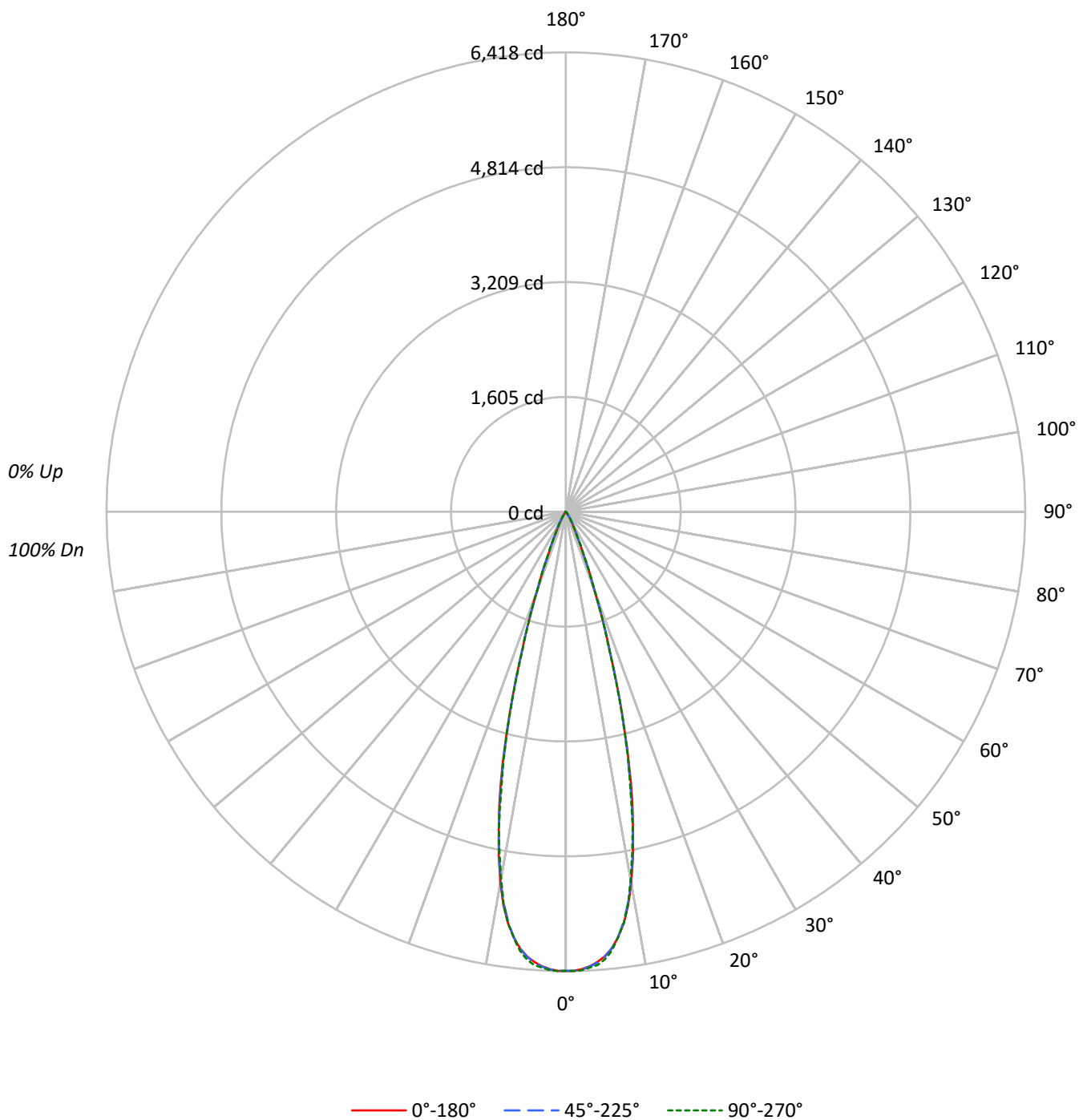
Lumens per Lamp: N/A
Luminaire Lumens: 1655.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1104619	1104619	1104619
5°	1077685	1079016	1085033
10°	920426	916141	910737
15°	568004	561353	563422
20°	214671	215844	215624
25°	66034	72400	68980
30°	26628	33787	27642
35°	7842	14339	8115
40°	3192	5778	3192
45°	633	1875	633
50°	0	348	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: 1875 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.7	34.2
10°-20°	837.6	50.6
20°-30°	207.7	12.6
30°-40°	39.0	2.4
40°-50°	4.9	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°	1611.0	97.3
0°-40°	1650.0	99.7
0°-60°	1655.0	100.0
0°-90°	1655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1655.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6414	6414	6414	6414	6414	
5°	6234	6231	6241	6252	6276	566
15°	3186	3155	3148	3173	3160	842
25°	348	371	381	380	363	200
35°	37	49	68	50	39	31
45°	3	4	8	5	3	3
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°	6413.9	6413.9	6413.9	6413.9	6413.9
1°	6416.5	6411.3	6411.3	6403.6	6417.8
2°	6393.3	6388.2	6397.2	6390.7	6408.8
3°	6358.6	6352.1	6365.0	6368.9	6377.9
4°	6307.1	6301.9	6316.1	6323.8	6348.3
5°	6233.7	6231.1	6241.4	6251.7	6276.2
6°	6133.3	6129.4	6135.9	6148.7	6164.2
7°	5987.9	5980.1	5985.3	5987.9	5991.7
8°	5803.8	5792.2	5785.8	5799.9	5807.7
9°	5567.0	5554.1	5539.9	5534.8	5552.8
10°	5263.2	5243.9	5238.7	5225.9	5207.8
11°	4910.5	4895.1	4891.2	4868.0	4857.7
12°	4506.3	4498.6	4507.6	4493.5	4488.3
13°	4118.9	4070.0	4063.6	4036.5	4022.4
14°	3660.7	3615.6	3614.3	3600.2	3619.5
15°	3185.7	3154.8	3148.4	3172.8	3160.0
17.5°	2031.1	2051.7	2046.6	2033.7	2011.8
20°	1171.3	1157.2	1177.7	1182.9	1176.5
22.5°	624.3	629.4	633.3	648.7	659.0
25°	347.5	370.7	381.0	379.7	363.0
27.5°	216.2	230.4	249.7	236.8	222.7
30°	133.9	145.4	169.9	146.7	139.0
32.5°	72.1	91.4	109.4	91.4	74.7
35°	37.3	48.9	68.2	50.2	38.6
37.5°	24.5	28.3	43.8	28.3	24.5
40°	14.2	18.0	25.7	18.0	14.2
42.5°	6.4	10.3	14.2	10.3	6.4
45°	2.6	3.9	7.7	5.1	2.6
47.5°	0.0	1.3	3.9	1.3	0.0
50°	0.0	0.0	1.3	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)