

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: P1308167

Luminaire Tested: P3SQAS17R309030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

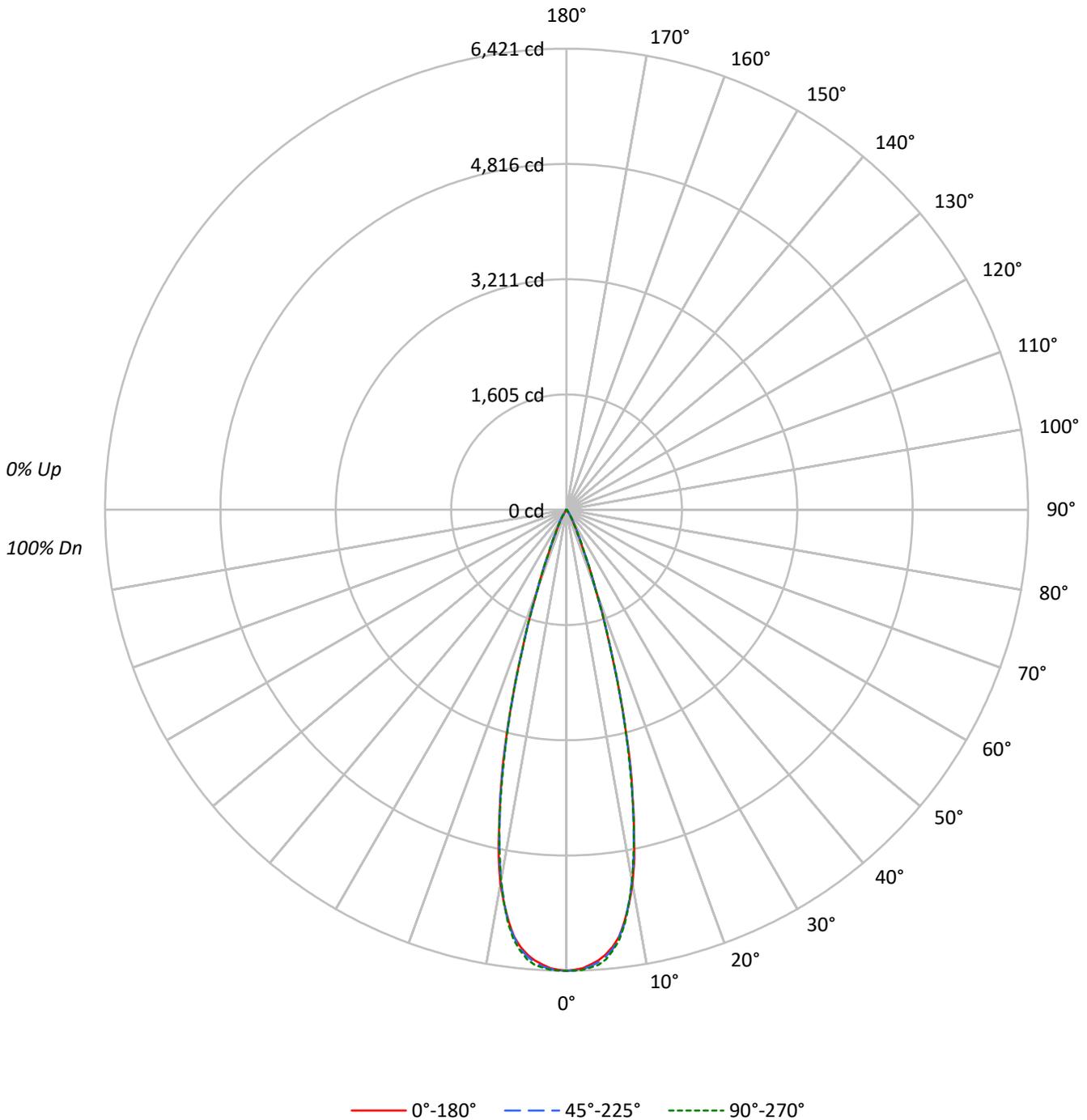
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1670.0 lumens
Efficiency: N/A
Efficacy: 78.8 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 (A_{in}): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1105859	1105859	1105859
5°	1075559	1080244	1086917
10°	924885	916998	917890
15°	568307	563707	564171
20°	216283	216760	212746
25°	68790	72476	69037
30°	27662	34324	28438
35°	8935	15159	8935
40°	4047	6655	4047
45°	1559	2825	1559
50°	697	1393	697
55°	781	781	781
60°	896	896	896
65°	530	530	530
70°	655	655	655
75°	865	865	865
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2825 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.4	33.9
10°-20°	840.2	50.3
20°-30°	208.8	12.5
30°-40°	41.7	2.5
40°-50°	7.6	0.5
50°-60°	2.4	0.1
60°-70°	1.8	0.1
70°-80°	1.2	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°	1615.4	96.7
0°-40°	1657.1	99.2
0°-60°	1667.1	99.8
0°-90°	1670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1670.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6421	6421	6421	6421	6421	
5°	6221	6242	6248	6258	6287	566
15°	3187	3194	3162	3172	3164	843
25°	362	370	381	376	363	203
35°	42	55	72	54	42	34
45°	6	8	12	9	6	6
55°	3	3	3	3	3	2
65°	1	1	1	1	1	2
75°	1	1	1	1	1	1
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°	6421.1	6421.1	6421.1	6421.1	6421.1
1°	6407.0	6414.7	6419.8	6419.8	6419.8
2°	6388.9	6394.1	6401.8	6403.1	6413.4
3°	6346.4	6358.0	6370.9	6378.6	6383.8
4°	6294.9	6310.3	6318.1	6337.4	6354.1
5°	6221.4	6242.0	6248.5	6257.5	6287.1
6°	6122.2	6137.7	6150.6	6154.4	6172.5
7°	5990.8	5998.5	5996.0	6002.4	6034.6
8°	5791.1	5793.7	5815.6	5801.4	5823.3
9°	5554.1	5543.8	5538.6	5548.9	5550.2
10°	5288.7	5253.9	5243.6	5234.6	5248.7
11°	4944.7	4899.6	4903.5	4900.9	4880.3
12°	4516.9	4511.8	4478.3	4484.7	4515.7
13°	4080.2	4089.2	4082.8	4090.5	4055.7
14°	3670.5	3626.7	3638.3	3594.5	3611.2
15°	3187.4	3193.8	3161.6	3171.9	3164.2
17.5°	2040.7	2054.9	2044.6	2035.6	2049.8
20°	1180.1	1178.8	1182.7	1171.1	1160.8
22.5°	621.0	630.0	641.6	642.9	650.6
25°	362.0	369.8	381.4	376.2	363.3
27.5°	221.6	235.8	253.8	240.9	225.5
30°	139.1	150.7	172.6	152.0	143.0
32.5°	78.6	95.3	113.4	95.3	78.6
35°	42.5	55.4	72.1	54.1	42.5
37.5°	28.3	32.2	47.7	32.2	28.3
40°	18.0	21.9	29.6	21.9	18.0
42.5°	10.3	14.2	16.7	14.2	10.3
45°	6.4	7.7	11.6	9.0	6.4
47.5°	2.6	3.9	7.7	3.9	3.9
50°	2.6	2.6	5.2	2.6	2.6
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	2.6
60°	2.6	2.6	2.6	2.6	2.6
62.5°	2.6	2.6	2.6	2.6	2.6
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3
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)