

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: P1310369

Luminaire Tested: P3SQAS17R209040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

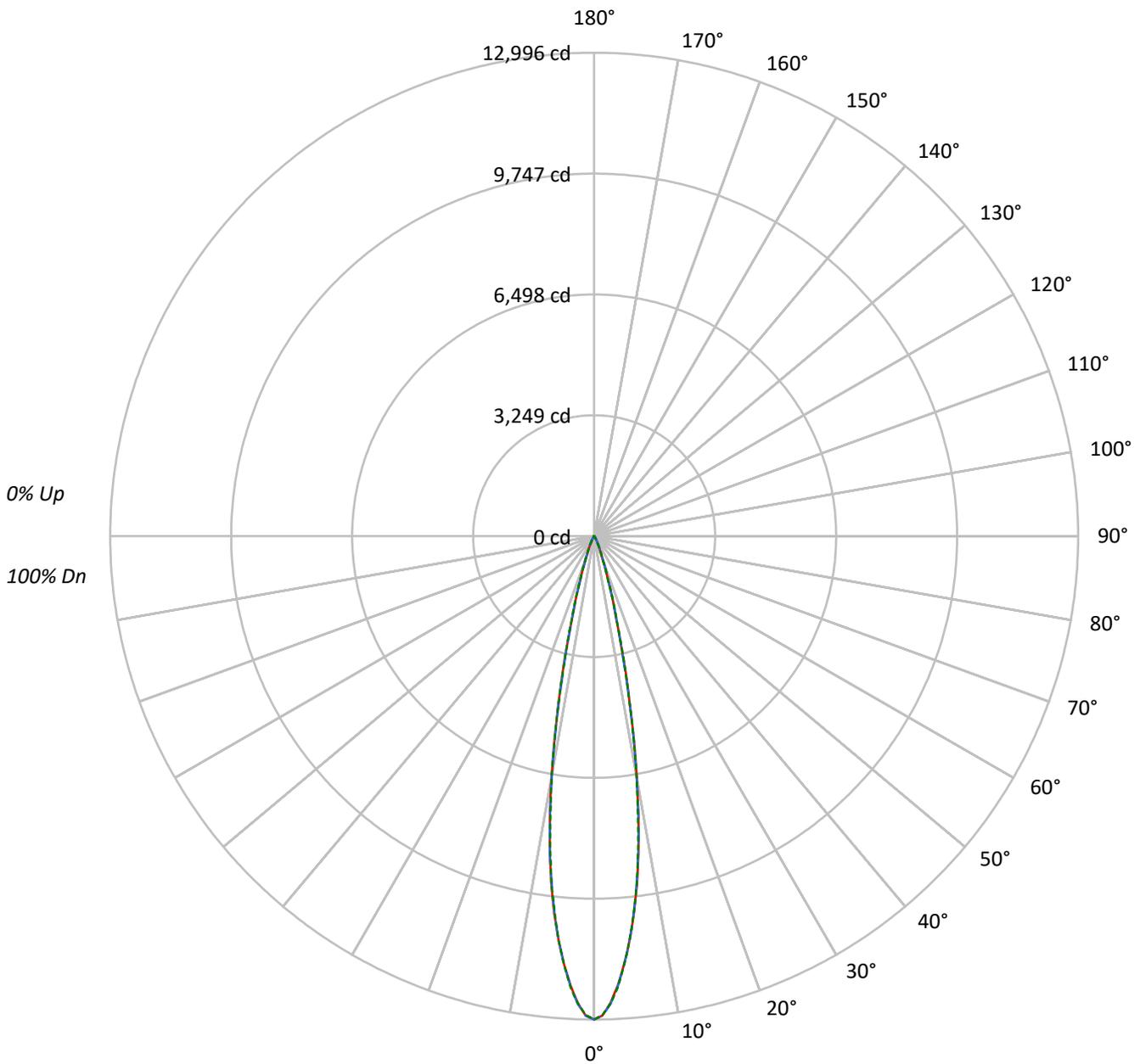
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1791.0 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
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



— 0°-180° - - 45°-225° ···· 90°-270°



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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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	87	85	83	87	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2238292	2238292	2238292
5°	1886541	1887267	1886316
10°	1149623	1144289	1146947
15°	404950	406680	419268
20°	127230	130785	128000
25°	47659	52143	48970
30°	18455	26171	19290
35°	7001	11648	7569
40°	3732	4991	3732
45°	1340	2363	1681
50°	750	1125	750
55°	841	841	841
60°	482	482	482
65°	571	571	571
70°	705	705	705
75°	0	0	932
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2363 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	902.2	50.4
10°-20°	707.4	39.5
20°-30°	138.9	7.8
30°-40°	31.2	1.7
40°-50°	7.1	0.4
50°-60°	2.3	0.1
60°-70°	1.4	0.1
70°-80°	0.6	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°	1748.5	97.6
0°-40°	1779.7	99.4
0°-60°	1789.1	99.9
0°-90°	1791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1791.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12996	12996	12996	12996	12996	
5°	10912	10922	10917	10954	10911	904
15°	2271	2281	2281	2331	2352	706
25°	251	267	274	270	258	132
35°	33	40	55	40	36	25
45°	6	8	10	8	7	5
55°	3	3	3	3	3	2
65°	1	1	1	1	1	1
75°	0	0	0	0	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°	12996.5	12996.5	12996.5	12996.5	12996.5
1°	12891.2	12863.5	12895.4	12870.4	12876.0
2°	12557.3	12542.0	12583.6	12557.3	12571.1
3°	12093.1	12073.7	12104.1	12105.5	12144.3
4°	11538.8	11501.4	11547.1	11548.5	11555.4
5°	10912.4	10922.1	10916.6	10954.0	10911.1
6°	10208.5	10240.4	10198.8	10219.6	10160.0
7°	9421.4	9381.2	9360.4	9367.4	9408.9
8°	8552.6	8524.9	8555.4	8512.4	8483.3
9°	7586.7	7538.2	7571.5	7529.9	7488.4
10°	6573.8	6551.6	6543.3	6496.2	6558.5
11°	5558.1	5491.6	5524.8	5501.3	5569.2
12°	4607.5	4613.0	4547.9	4568.7	4577.0
13°	3749.7	3661.0	3672.1	3728.9	3738.6
14°	2908.6	2921.1	2925.2	2965.4	2989.0
15°	2271.2	2280.9	2280.9	2330.8	2351.5
17.5°	1218.0	1218.0	1244.4	1249.9	1252.7
20°	694.2	698.4	713.6	712.3	698.4
22.5°	415.7	424.0	432.3	424.0	415.7
25°	250.8	267.4	274.4	270.2	257.7
27.5°	149.7	167.7	187.1	171.8	148.3
30°	92.8	102.5	131.6	105.3	97.0
32.5°	51.3	66.5	90.1	69.3	52.7
35°	33.3	40.2	55.4	40.2	36.0
37.5°	23.6	27.7	34.6	29.1	24.9
40°	16.6	19.4	22.2	20.8	16.6
42.5°	11.1	13.9	15.2	13.9	11.1
45°	5.5	8.3	9.7	8.3	6.9
47.5°	2.8	4.2	6.9	4.2	2.8
50°	2.8	2.8	4.2	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	1.4	2.8	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	1.4
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)