

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: P1307788

Luminaire Tested: P3SQAS09R159030DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R159030DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

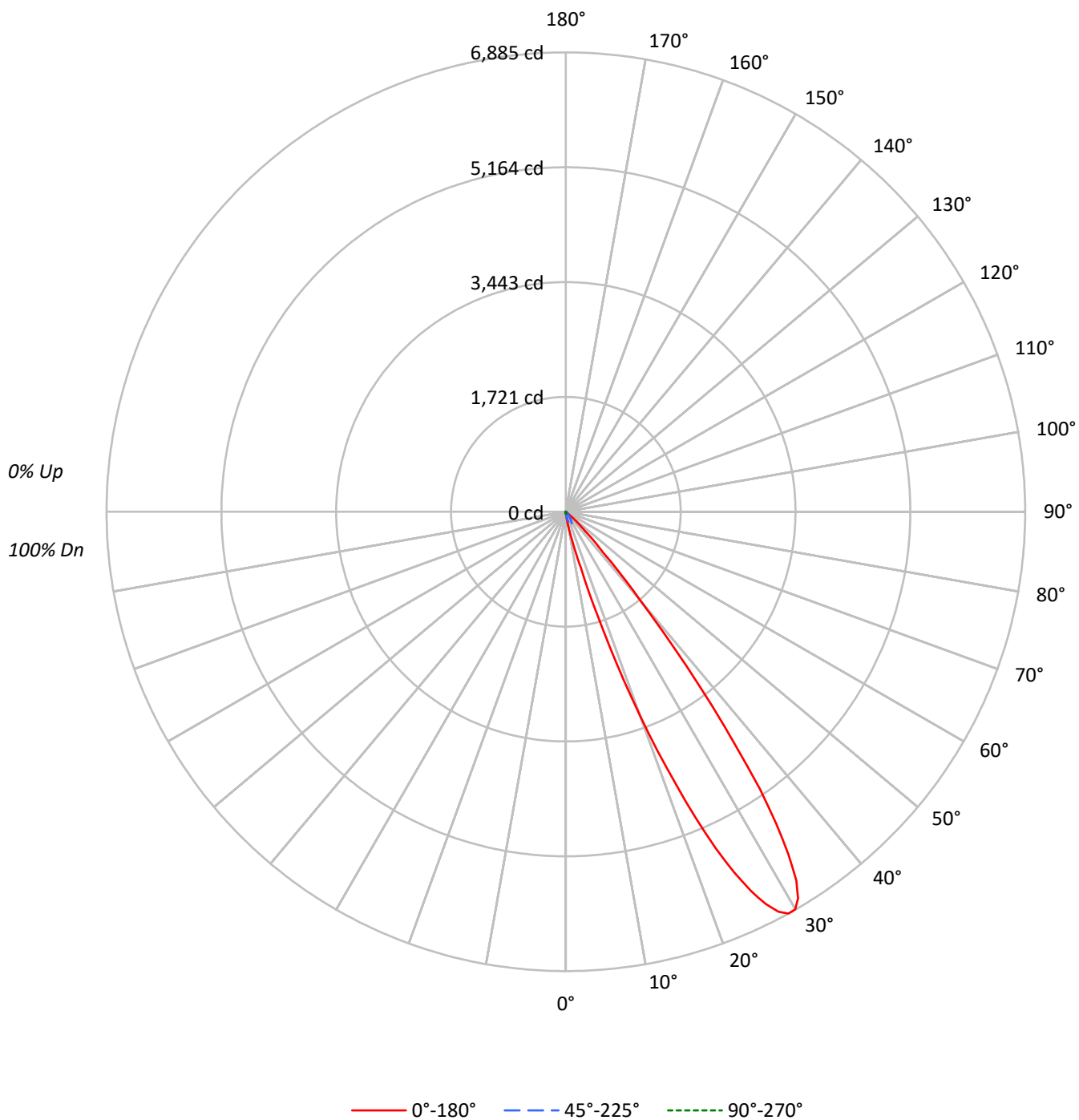
Lumens per Lamp: N/A
Luminaire Lumens: 752.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

TEST NUMBER: P1307788

CATALOG NUMBER: P3SQAS09R159030DE010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307788

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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		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4288	4288	4288	4288	4288
5°	9232	6829	4045	2144	1763
10°	40939	12924	3200	892	647
15°	154816	29865	2211	392	267
20°	595389	42098	1338	128	128
25°	1132198	39469	703	0	0
30°	1367718	31858	298	0	0
35°	1066720	21676	147	0	0
40°	389277	10679	157	0	157
45°	99957	3215	170	0	365
50°	16853	402	188	188	589
55°	2192	0	450	661	1111
60°	241	241	758	999	1516
65°	285	285	1182	1508	1793
70°	352	352	1460	1460	1863
75°	466	466	1930	1464	1930
80°	0	694	2182	1488	2182
85°	0	1383	4347	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 99957 cd/sqm

TEST NUMBER: P1307788

CATALOG NUMBER: P3SQAS09R159030DE010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.5
10°-20°	57.6	7.7
20°-30°	319.6	42.5
30°-40°	308.8	41.1
40°-50°	53.7	7.1
50°-60°	3.9	0.5
60°-70°	2.3	0.3
70°-80°	1.8	0.2
80°-90°	0.9	0.1
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°	380.6	50.6
0°-40°	689.4	91.7
0°-60°	747.0	99.3
0°-90°	752.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	752.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	53	40	23	12	10	10
15°	868	168	12	2	2	387
25°	5958	208	4	0	0	2664
35°	5074	103	1	0	0	2918
45°	410	13	1	0	2	441
55°	7	0	2	2	4	14
65°	1	1	3	4	4	1
75°	1	1	3	2	3	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1307788

CATALOG NUMBER: P3SQAS09R159030DE010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
2.5°	36.6	35.1	35.8	35.8	35.8	35.8	35.8	34.4	34.4	35.1	31.5
5°	53.4	53.4	52.7	53.4	53.4	52.7	51.2	50.5	50.5	49.0	39.5
7.5°	106.8	105.3	105.3	103.9	96.6	94.4	92.9	89.2	82.7	81.2	51.2
10°	234.1	234.8	229.7	223.1	222.4	211.4	207.7	201.2	188.7	176.3	73.9
12.5°	425.0	415.5	403.1	403.8	382.6	375.3	358.4	340.2	321.1	301.4	121.4
15°	868.3	841.2	857.3	817.8	773.2	722.7	671.5	607.2	552.3	493.8	167.5
17.5°	1828.8	1855.1	1810.5	1641.5	1537.6	1415.5	1243.6	1077.5	935.6	821.5	204.8
20°	3248.6	3287.4	3136.0	2988.9	2736.6	2461.5	2174.8	1850.0	1539.1	1269.9	229.7
21°	3841.9	3818.5	3756.3	3520.7	3229.6	2910.7	2559.5	2201.1	1824.4	1474.7	231.9
22°	4415.4	4426.3	4281.5	4035.0	3732.1	3378.8	2950.2	2507.6	2101.6	1641.5	228.2
23°	4986.7	5021.8	4830.1	4599.0	4217.9	3819.2	3323.2	2845.6	2343.7	1832.4	220.9
24°	5515.6	5491.4	5361.9	5070.8	4663.4	4196.7	3681.7	3102.3	2542.7	1995.6	215.1
25°	5958.1	5955.2	5751.8	5468.7	5002.8	4485.6	3918.0	3312.3	2713.2	2106.0	207.7
26°	6320.2	6261.0	6100.8	5755.5	5295.4	4749.7	4111.8	3465.1	2809.0	2161.6	200.4
27°	6599.7	6557.2	6342.2	5983.0	5502.4	4898.9	4236.2	3541.2	2852.9	2179.9	190.9
28°	6787.7	6741.6	6512.6	6142.5	5616.5	4992.5	4302.0	3573.4	2852.9	2162.3	182.1
29°	6884.9	6822.0	6593.8	6197.3	5642.8	5003.5	4285.9	3542.0	2808.3	2108.2	171.9
30°	6877.6	6799.4	6560.2	6147.6	5564.6	4913.5	4195.9	3428.6	2707.3	2027.7	160.2
31°	6759.1	6671.3	6404.3	5979.3	5402.9	4743.8	4026.2	3276.4	2569.1	1923.1	148.5
32°	6518.5	6407.3	6146.9	5723.3	5154.2	4490.0	3779.7	3041.6	2362.0	1770.2	136.1
33°	6126.4	6014.5	5735.0	5337.8	4817.7	4168.1	3452.7	2789.2	2126.5	1588.1	125.8
34°	5635.5	5533.1	5292.5	4892.3	4393.4	3760.7	3076.7	2440.3	1882.2	1407.4	114.8
35°	5073.7	4910.6	4692.6	4375.9	3889.4	3253.0	2670.7	2115.5	1630.5	1218.0	103.1
36°	4313.7	4343.0	4111.8	3724.1	3321.0	2822.2	2263.3	1763.7	1363.5	1038.0	92.9
37°	3640.0	3593.9	3446.9	3146.9	2795.8	2300.6	1896.8	1495.2	1147.0	877.8	81.9
38°	2936.3	2946.5	2802.4	2572.0	2223.8	1891.7	1526.7	1228.2	959.7	746.9	71.7
39°	2298.4	2290.3	2251.6	2038.0	1722.7	1504.7	1237.0	1018.3	799.5	629.8	60.7
40°	1731.5	1744.6	1653.9	1525.2	1341.6	1162.4	985.3	812.0	661.3	531.1	47.5
42.5°	842.0	862.4	802.5	769.5	688.3	618.1	521.6	425.7	362.1	313.1	21.2
45°	410.4	398.7	393.6	377.5	358.4	320.4	283.8	243.6	212.9	183.6	13.2
47.5°	209.9	204.1	204.1	197.5	190.9	178.5	160.2	147.0	132.4	114.1	5.1
50°	62.9	62.2	61.4	62.2	60.0	62.2	63.6	64.4	58.5	57.8	1.5
52.5°	24.9	25.6	24.9	27.1	27.1	26.3	27.1	26.3	25.6	22.7	0.0
55°	7.3	7.3	7.3	7.3	7.3	7.3	8.0	8.8	8.0	8.8	0.0
57.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: P3SQAS09R159030DE010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	24.9	24.9	24.9	24.9	24.9	24.9
2.5°	29.3	25.6	21.2	17.6	16.1	15.4
5°	31.5	23.4	16.1	12.4	11.0	10.2
7.5°	33.6	21.2	12.4	8.8	6.6	5.9
10°	35.1	18.3	9.5	5.1	3.7	3.7
12.5°	35.1	14.6	6.6	2.9	2.2	2.2
15°	34.4	12.4	4.4	2.2	1.5	1.5
17.5°	33.6	9.5	2.9	1.5	0.7	1.5
20°	31.5	7.3	1.5	0.7	0.7	0.7
21°	30.7	6.6	1.5	0.7	0.7	0.7
22°	29.3	5.9	0.7	0.0	0.7	0.7
23°	27.8	4.4	0.7	0.0	0.0	0.0
24°	25.6	3.7	0.7	0.0	0.0	0.0
25°	24.1	3.7	0.7	0.0	0.0	0.0
26°	22.7	2.2	0.0	0.0	0.0	0.0
27°	20.5	1.5	0.0	0.0	0.0	0.0
28°	19.0	1.5	0.0	0.0	0.0	0.0
29°	16.8	1.5	0.0	0.0	0.0	0.0
30°	14.6	1.5	0.0	0.0	0.0	0.0
31°	11.7	0.7	0.0	0.0	0.0	0.0
32°	9.5	0.7	0.0	0.0	0.0	0.0
33°	6.6	0.7	0.0	0.0	0.0	0.0
34°	4.4	0.7	0.0	0.0	0.0	0.0
35°	3.7	0.7	0.0	0.0	0.0	0.0
36°	2.2	0.7	0.0	0.0	0.0	0.7
37°	2.2	0.7	0.0	0.0	0.0	0.7
38°	1.5	0.7	0.0	0.0	0.0	0.7
39°	0.7	0.7	0.0	0.0	0.0	0.7
40°	0.7	0.7	0.0	0.0	0.0	0.7
42.5°	0.0	0.7	0.0	0.0	0.7	1.5
45°	0.0	0.7	0.0	0.0	0.7	1.5
47.5°	0.0	0.7	0.0	0.0	1.5	1.5
50°	0.0	0.7	0.7	0.7	1.5	2.2
52.5°	0.0	1.5	0.7	1.5	2.2	2.9
55°	0.7	1.5	1.5	2.2	2.9	3.7
57.5°	0.7	2.2	2.2	2.9	3.7	3.7
60°	1.5	2.2	2.9	2.9	4.4	4.4
62.5°	1.5	2.9	2.9	2.9	4.4	4.4
65°	1.5	2.9	2.9	3.7	4.4	4.4
67.5°	1.5	2.9	2.9	2.9	3.7	4.4
70°	1.5	2.9	2.2	2.9	3.7	3.7
72.5°	1.5	2.9	2.2	2.2	2.9	3.7
75°	1.5	2.9	2.2	2.2	2.9	2.9
77.5°	1.5	2.2	2.2	1.5	2.2	2.2
80°	1.5	2.2	1.5	1.5	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.5	2.2	1.5	0.7	1.5	1.5
85°	1.5	2.2	1.5	0.7	0.7	0.7
87.5°	1.5	2.2	0.7	0.0	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)