

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: P1316092

Luminaire Tested: P3SQAS09R309827DE010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309827DE010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

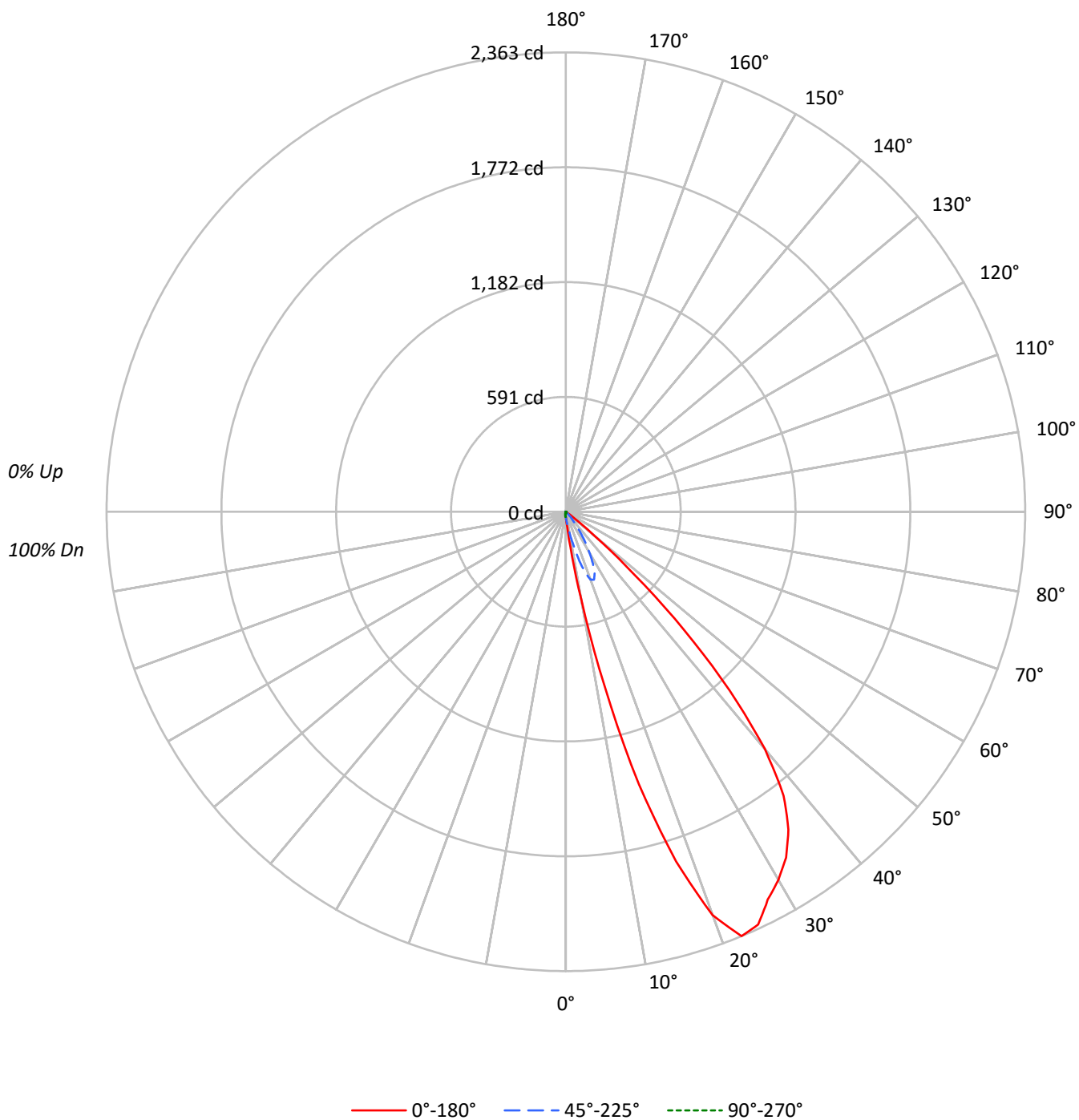
Lumens per Lamp: N/A
Luminaire Lumens: 556.9 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	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	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4564	4564	4564	4564	4564
5°	13727	9145	4305	1936	1591
10°	79483	19412	3375	892	630
15°	258550	44022	2354	178	89
20°	404562	68087	1485	0	0
25°	445099	66547	779	0	0
30°	434720	47986	298	0	0
35°	419586	27290	105	0	0
40°	357825	11556	0	0	0
45°	209997	4335	122	0	122
50°	51014	831	134	134	402
55°	4444	0	300	450	601
60°	172	0	344	517	861
65°	204	204	611	611	1019
70°	252	252	755	755	1007
75°	0	333	998	998	998
80°	0	496	1488	992	992
85°	0	988	2964	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 209997 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.9
10°-20°	76.6	13.7
20°-30°	194.5	34.9
30°-40°	193.9	34.8
40°-50°	78.6	14.1
50°-60°	5.4	1.0
60°-70°	1.2	0.2
70°-80°	1.2	0.2
80°-90°	0.7	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°	276.0	49.5
0°-40°	469.9	84.4
0°-60°	553.8	99.4
0°-90°	556.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	556.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	79	53	25	11	9	18
15°	1450	247	13	1	0	422
25°	2342	350	4	0	0	1058
35°	1996	130	0	0	0	1223
45°	862	18	0	0	0	658
55°	15	0	1	2	2	39
65°	0	0	2	2	2	0
75°	0	0	2	2	2	0
85°	0	0	2	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
2.5°	43.8	44.3	44.3	43.3	42.8	42.8	41.2	40.7	39.2	37.7	32.6
5°	79.4	77.9	75.8	75.8	71.3	68.7	65.1	61.1	58.0	52.9	37.7
7.5°	180.2	168.0	164.4	159.8	142.5	128.8	113.0	99.2	86.5	75.8	41.7
10°	454.5	430.6	410.7	370.5	320.1	271.8	227.0	175.1	139.5	111.0	44.8
12.5°	915.6	883.6	845.4	772.1	677.9	557.3	450.4	336.4	236.2	163.4	45.8
15°	1450.1	1395.6	1336.0	1242.9	1088.7	915.6	722.7	541.0	379.2	246.9	44.8
17.5°	1885.7	1864.4	1776.3	1649.1	1460.2	1237.3	999.6	751.2	511.5	323.2	41.7
20°	2207.4	2192.6	2086.3	1950.9	1738.1	1482.6	1180.8	882.6	603.6	371.5	37.2
22.5°	2362.6	2360.1	2283.2	2144.8	1919.3	1629.7	1297.4	958.4	632.1	378.2	31.0
25°	2342.3	2351.4	2307.7	2204.9	1988.5	1690.3	1332.0	958.4	611.3	350.2	26.0
27.5°	2249.6	2255.8	2228.3	2149.4	1947.8	1646.5	1283.6	896.8	550.7	300.8	21.4
30°	2186.0	2188.6	2154.5	2070.0	1856.2	1546.8	1169.6	782.8	459.1	241.3	15.8
32.5°	2108.7	2108.2	2068.5	1971.8	1736.1	1406.8	1025.1	646.9	352.7	183.2	9.2
35°	1995.7	1982.9	1929.0	1817.5	1556.9	1218.5	840.3	492.7	254.0	129.8	5.6
37.5°	1840.4	1807.4	1731.0	1581.9	1305.5	955.3	623.0	346.1	173.6	86.0	3.6
40°	1591.6	1556.4	1452.6	1271.4	987.4	687.6	419.9	225.5	109.4	51.4	2.0
42.5°	1248.0	1224.1	1084.1	903.4	652.0	438.7	252.4	133.4	61.6	29.5	0.5
45°	862.2	831.1	721.2	568.0	391.4	243.3	141.5	69.7	35.1	17.8	0.0
47.5°	475.9	437.7	374.1	294.2	197.0	127.8	71.3	37.7	19.8	8.7	0.0
50°	190.4	188.8	150.1	106.9	75.3	58.0	35.6	20.4	10.2	3.1	0.5
52.5°	66.7	66.7	57.5	46.8	36.6	26.5	17.8	9.7	3.6	1.0	0.5
55°	14.8	16.3	15.3	14.3	13.7	11.7	7.6	3.6	1.0	0.0	0.5
57.5°	1.5	1.5	1.5	2.0	2.5	2.5	2.0	1.0	0.0	0.0	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0
62.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	1.0
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
75°	0.0	0.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
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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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	26.5	26.5	26.5	26.5	26.5
2.5°	26.5	20.9	17.3	15.3	14.8
5°	24.9	15.8	11.2	9.7	9.2
7.5°	22.4	11.7	7.6	6.1	5.6
10°	19.3	8.7	5.1	3.6	3.6
12.5°	16.3	6.6	3.1	1.5	1.0
15°	13.2	4.1	1.0	0.5	0.5
17.5°	10.2	2.5	0.0	0.0	0.0
20°	8.1	1.0	0.0	0.0	0.0
22.5°	6.1	0.5	0.0	0.0	0.0
25°	4.1	0.0	0.0	0.0	0.0
27.5°	2.5	0.0	0.0	0.0	0.0
30°	1.5	0.0	0.0	0.0	0.0
32.5°	0.5	0.0	0.0	0.0	0.0
35°	0.5	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.5	0.0	0.0	0.5	0.5
47.5°	0.5	0.5	0.5	1.0	1.0
50°	0.5	0.5	0.5	1.0	1.5
52.5°	1.0	0.5	1.0	1.5	1.5
55°	1.0	1.0	1.5	2.0	2.0
57.5°	1.0	1.0	1.5	2.0	2.0
60°	1.0	1.0	1.5	2.0	2.5
62.5°	1.5	1.5	1.5	2.0	2.0
65°	1.5	1.5	1.5	2.0	2.5
67.5°	1.5	1.5	1.5	2.0	2.5
70°	1.5	1.5	1.5	2.0	2.0
72.5°	2.0	1.5	1.5	2.0	2.0
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.0	1.5	1.5
80°	1.5	1.0	1.0	1.0	1.0
82.5°	1.5	1.0	1.0	1.0	1.0
85°	1.5	1.0	0.5	0.5	0.5
87.5°	1.5	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)