

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: P1313081

Luminaire Tested: P3SQAS05R309730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

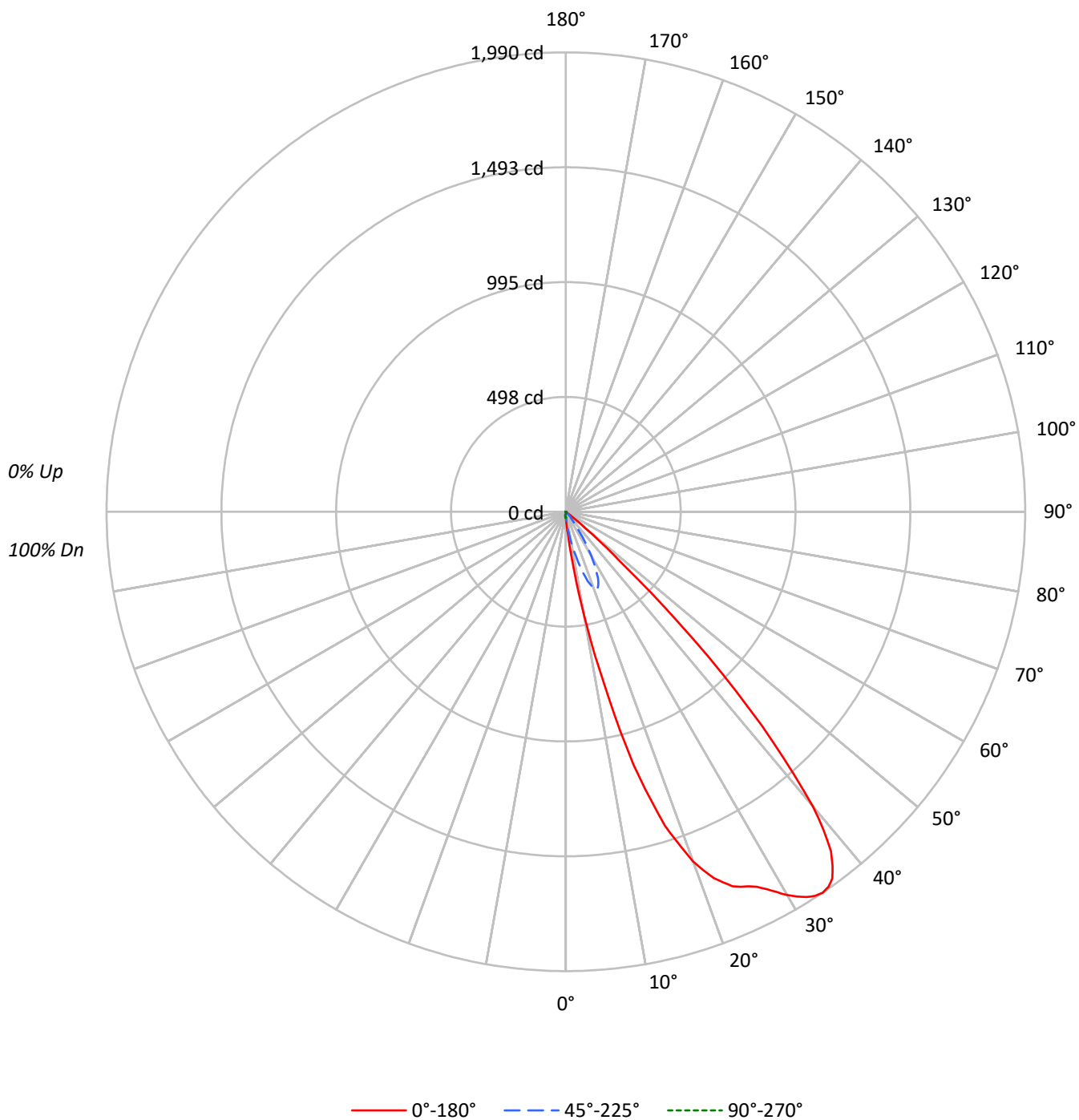
Lumens per Lamp: N/A
Luminaire Lumens: 478.9 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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		
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	98	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	78	74	70	77	73	70	68		
5	87	77	70	65	85	76	70	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	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4409	4409	4409	4409	4409
5°	16009	9941	4045	1625	1158
10°	79238	23819	3148	315	0
15°	202136	45359	1997	0	0
20°	295348	64513	825	0	0
25°	340737	63298	171	0	0
30°	381345	43452	0	0	0
35°	417063	18712	0	0	0
40°	374326	7284	0	0	0
45°	191170	2947	0	0	0
50°	29499	348	0	0	0
55°	1742	0	120	0	0
60°	0	0	138	0	0
65°	0	0	367	0	0
70°	0	201	453	0	0
75°	0	266	865	0	0
80°	0	397	1289	0	0
85°	0	790	2569	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 191170 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	1.1
10°-20°	63.8	13.3
20°-30°	157.7	32.9
30°-40°	181.4	37.9
40°-50°	67.3	14.0
50°-60°	2.4	0.5
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.3	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°	226.9	47.4
0°-40°	408.3	85.2
0°-60°	478.0	99.8
0°-90°	478.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	478.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	93	58	23	9	7	20
15°	1134	254	11	0	0	326
25°	1793	333	1	0	0	828
35°	1984	89	0	0	0	1203
45°	785	12	0	0	0	611
55°	6	0	0	0	0	20
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
2.5°	45.4	45.9	45.9	44.5	44.1	43.6	42.3	38.2	31.9	25.6	20.7
5°	92.6	93.0	93.0	90.4	85.0	79.6	75.1	57.5	36.9	23.4	15.3
7.5°	218.5	218.9	209.5	198.7	177.1	165.9	145.2	88.6	41.8	21.1	9.9
10°	453.1	443.2	418.5	387.0	353.8	310.6	267.0	136.2	45.4	18.0	6.3
12.5°	757.4	748.0	716.1	671.1	605.9	521.4	438.7	191.5	45.9	14.4	3.6
15°	1133.7	1107.2	1068.9	994.3	898.1	767.3	630.7	254.4	44.1	11.2	0.9
17.5°	1425.4	1401.1	1352.6	1265.4	1145.8	1000.6	833.0	314.2	39.1	7.2	0.0
20°	1611.5	1585.9	1540.5	1463.6	1336.4	1166.0	974.1	352.0	32.4	4.5	0.0
21°	1664.6	1639.8	1595.3	1518.9	1392.1	1222.2	1008.7	360.1	29.2	3.6	0.0
22°	1711.3	1692.0	1650.6	1567.5	1438.4	1263.6	1043.8	361.0	27.0	2.7	0.0
23°	1744.1	1730.2	1688.8	1612.4	1483.9	1297.3	1062.7	355.6	24.3	1.8	0.0
24°	1775.6	1758.5	1723.0	1652.0	1519.8	1325.6	1079.7	345.7	21.6	1.3	0.0
25°	1793.1	1773.3	1745.9	1679.4	1549.5	1343.6	1090.1	333.1	18.9	0.9	0.0
26°	1805.3	1790.0	1759.9	1695.6	1562.1	1355.3	1091.4	314.7	17.1	0.4	0.0
27°	1823.7	1808.4	1779.2	1710.0	1567.5	1353.5	1083.3	293.5	14.8	0.0	0.0
28°	1851.6	1831.3	1802.1	1725.2	1569.7	1345.8	1065.4	270.6	12.6	0.0	0.0
29°	1883.5	1862.8	1830.9	1745.5	1570.2	1330.6	1037.0	245.4	11.2	0.0	0.0
30°	1917.6	1899.7	1867.3	1765.2	1575.1	1310.8	1004.2	218.5	9.0	0.0	0.0
31°	1944.6	1928.4	1893.8	1783.2	1579.1	1293.7	963.8	191.5	7.6	0.0	0.0
32°	1968.0	1953.6	1910.9	1787.3	1571.1	1269.4	920.6	165.4	6.3	0.0	0.0
33°	1984.2	1966.2	1916.3	1776.9	1547.7	1229.4	872.5	140.7	4.9	0.0	0.0
34°	1990.0	1968.4	1908.2	1750.0	1500.5	1168.7	810.0	115.1	4.0	0.0	0.0
35°	1983.7	1957.2	1879.0	1703.7	1436.7	1096.4	735.0	89.0	3.1	0.0	0.0
36°	1963.5	1929.8	1837.2	1637.6	1345.4	1011.0	659.9	69.2	2.2	0.0	0.0
37°	1919.9	1882.6	1765.7	1550.4	1255.0	913.0	574.5	53.9	1.3	0.0	0.0
38°	1866.4	1812.4	1670.4	1440.2	1138.2	802.8	490.0	44.5	0.9	0.0	0.0
39°	1775.1	1715.8	1557.1	1313.5	1023.5	698.1	407.7	38.7	0.4	0.0	0.0
40°	1665.0	1594.4	1427.7	1177.7	888.2	588.4	340.3	32.4	0.4	0.0	0.0
42.5°	1255.9	1196.2	1016.8	801.0	543.0	347.0	188.8	21.1	0.0	0.0	0.0
45°	784.9	722.4	601.0	439.2	294.0	179.8	90.8	12.1	0.0	0.0	0.0
47.5°	320.5	294.0	241.8	186.1	133.1	84.5	37.8	5.4	0.0	0.0	0.0
50°	110.1	98.0	82.3	60.2	42.7	29.2	19.8	1.3	0.0	0.0	0.0
52.5°	31.9	32.4	28.3	24.3	18.9	13.5	9.9	0.0	0.0	0.0	0.0
55°	5.8	4.9	5.8	5.4	5.8	4.9	3.6	0.0	0.0	0.4	0.0
57.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	0.4
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):

	135°	157.5°	180°
0°	25.6	25.6	25.6
2.5°	16.6	14.8	13.9
5°	9.4	7.2	6.7
7.5°	4.9	3.1	2.7
10°	1.8	0.4	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)