

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: P1317156

Luminaire Tested: P3SQAS13R459830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R459830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

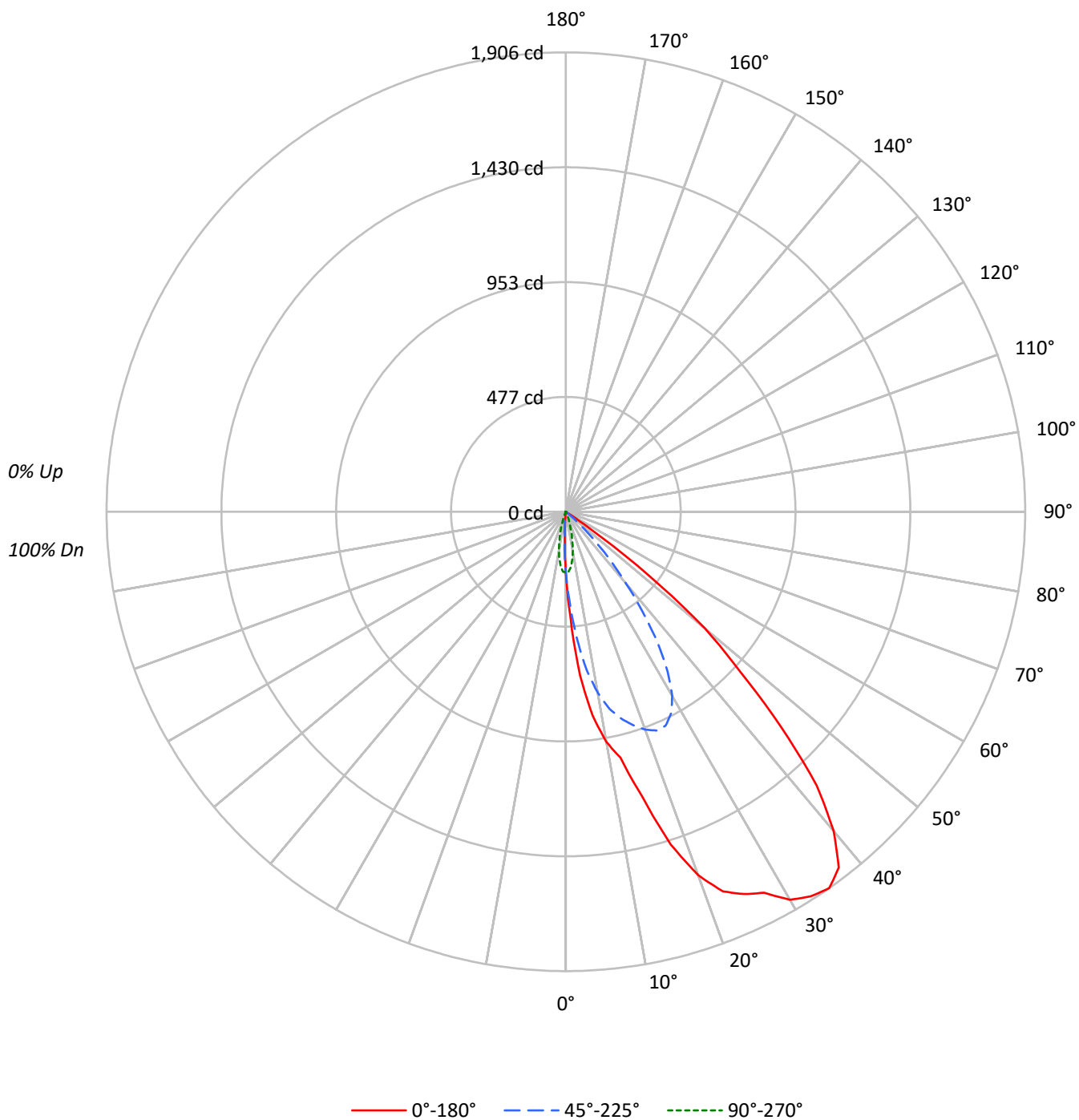
Lumens per Lamp: N/A
Luminaire Lumens: 808.0 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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			0
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	43211	43211	43211	43211	43211
5°	117991	90780	40005	8022	3008
10°	169458	133171	28925	769	630
15°	218148	158418	15387	267	0
20°	294029	176256	5846	0	0
25°	332566	186188	1520	0	0
30°	369671	175539	139	0	0
35°	400727	139981	0	0	0
40°	388400	87882	0	0	0
45°	307884	41868	0	0	0
50°	201511	5251	0	0	0
55°	34620	0	0	0	0
60°	0	0	241	0	0
65°	0	285	285	0	0
70°	0	352	755	0	0
75°	0	466	998	0	0
80°	0	694	1488	694	0
85°	0	1383	2964	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 307884 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.9	3.7
10°-20°	115.1	14.2
20°-30°	215.5	26.7
30°-40°	251.5	31.1
40°-50°	164.0	20.3
50°-60°	30.4	3.8
60°-70°	0.3	0.0
70°-80°	0.6	0.1
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°	360.5	44.6
0°-40°	612.0	75.7
0°-60°	806.5	99.8
0°-90°	808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	808.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	251	251	251	251	251	
5°	682	525	231	46	17	73
15°	1224	888	86	2	0	365
25°	1750	980	8	0	0	809
35°	1906	666	0	0	0	1169
45°	1264	172	0	0	0	961
55°	115	0	0	0	0	200
65°	0	1	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	1	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°	50°
0°	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9
2.5°	442.4	446.0	438.8	435.9	426.5	428.6	412.7	406.2	396.0	379.3	371.3
5°	682.5	676.0	670.1	657.8	650.6	631.0	609.2	584.6	554.8	525.1	491.0
7.5°	853.6	848.6	846.4	836.2	821.7	801.4	773.1	742.0	703.5	663.6	612.1
10°	969.0	963.9	955.2	945.0	933.4	916.7	889.2	855.1	813.0	761.5	701.3
12.5°	1044.4	1043.7	1029.2	1017.6	1003.0	988.5	960.3	932.7	891.4	838.4	770.2
15°	1223.5	1211.9	1193.1	1160.4	1119.8	1082.1	1036.4	992.9	947.9	888.5	812.3
17.5°	1446.9	1433.9	1401.9	1360.6	1295.3	1223.5	1145.2	1076.3	1008.9	928.3	838.4
20°	1604.3	1599.2	1572.4	1524.5	1454.9	1359.9	1256.9	1159.7	1064.7	961.7	850.7
22.5°	1705.1	1702.2	1691.3	1658.7	1587.6	1481.0	1348.3	1217.7	1103.1	982.7	847.1
25°	1750.1	1753.7	1755.2	1739.2	1681.9	1573.1	1415.7	1262.0	1124.9	979.8	819.6
27.5°	1782.0	1782.0	1787.8	1780.5	1722.5	1607.9	1441.8	1277.2	1117.6	944.3	761.5
30°	1858.9	1857.4	1861.0	1841.5	1761.0	1618.8	1430.2	1252.5	1076.3	882.7	678.1
32.5°	1892.2	1893.7	1893.0	1861.8	1768.2	1611.5	1401.9	1205.4	1000.1	786.2	567.9
35°	1906.0	1899.5	1872.6	1801.6	1683.4	1515.1	1322.2	1125.6	893.5	665.8	448.2
37.5°	1860.3	1841.5	1782.0	1684.8	1540.5	1378.7	1190.2	982.7	752.1	522.2	337.3
40°	1727.6	1702.9	1628.2	1510.7	1378.7	1233.0	1034.2	815.2	588.2	390.9	236.4
42.5°	1539.7	1511.5	1431.0	1328.7	1208.3	1055.3	857.3	638.2	430.8	269.8	150.1
45°	1264.1	1248.2	1201.8	1115.5	997.2	838.4	657.1	465.6	298.1	171.9	76.9
47.5°	977.7	957.4	924.0	864.5	765.9	615.0	459.8	316.2	191.5	84.9	16.0
50°	752.1	728.2	687.6	621.6	518.6	410.5	298.1	197.3	97.2	19.6	0.7
52.5°	433.0	438.1	418.5	376.4	319.1	245.9	172.6	99.4	21.8	0.7	0.0
55°	115.3	124.7	121.8	131.3	115.3	97.2	71.8	18.9	1.5	0.0	0.0
57.5°	0.0	0.0	0.7	1.5	4.4	6.5	2.2	0.7	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	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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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9
2.5°	353.2	338.0	319.1	249.5	187.8	134.9	105.2	97.2
5°	458.4	421.4	373.5	231.4	116.0	46.4	21.0	17.4
7.5°	557.7	503.3	417.0	202.4	58.7	11.6	5.8	5.1
10°	634.6	561.4	448.9	165.4	21.8	4.4	3.6	3.6
12.5°	687.6	598.3	460.5	125.5	8.0	2.2	2.2	1.5
15°	718.0	612.9	449.7	86.3	2.9	1.5	0.0	0.0
17.5°	727.4	607.1	420.7	54.4	0.7	0.0	0.0	0.0
20°	719.5	578.8	375.0	31.9	0.0	0.0	0.0	0.0
22.5°	693.4	534.5	319.8	17.4	0.0	0.0	0.0	0.0
25°	644.8	472.2	255.3	8.0	0.0	0.0	0.0	0.0
27.5°	565.7	391.6	192.2	2.9	0.0	0.0	0.0	0.0
30°	475.8	305.3	136.4	0.7	0.0	0.0	0.0	0.0
32.5°	371.3	224.8	87.8	0.0	0.0	0.0	0.0	0.0
35°	279.2	157.4	52.2	0.0	0.0	0.0	0.0	0.0
37.5°	194.4	99.4	27.6	0.0	0.0	0.0	0.0	0.0
40°	121.1	53.7	9.4	0.0	0.0	0.0	0.0	0.0
42.5°	67.5	18.9	0.7	0.0	0.0	0.0	0.0	0.0
45°	16.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
60°	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.7	1.5	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	1.5	1.5	0.7	0.0	0.0	0.0
75°	0.7	0.7	1.5	1.5	0.7	0.0	0.0	0.0
77.5°	0.7	1.5	1.5	1.5	0.7	0.7	0.0	0.0
80°	0.7	1.5	1.5	1.5	1.5	0.7	0.0	0.0
82.5°	0.7	1.5	1.5	1.5	1.5	0.7	0.0	0.0
85°	0.7	1.5	1.5	1.5	0.7	0.7	0.0	0.0
87.5°	0.7	1.5	1.5	1.5	1.5	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)