

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: P1307739

Luminaire Tested: P3SQAS05R559030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R559030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

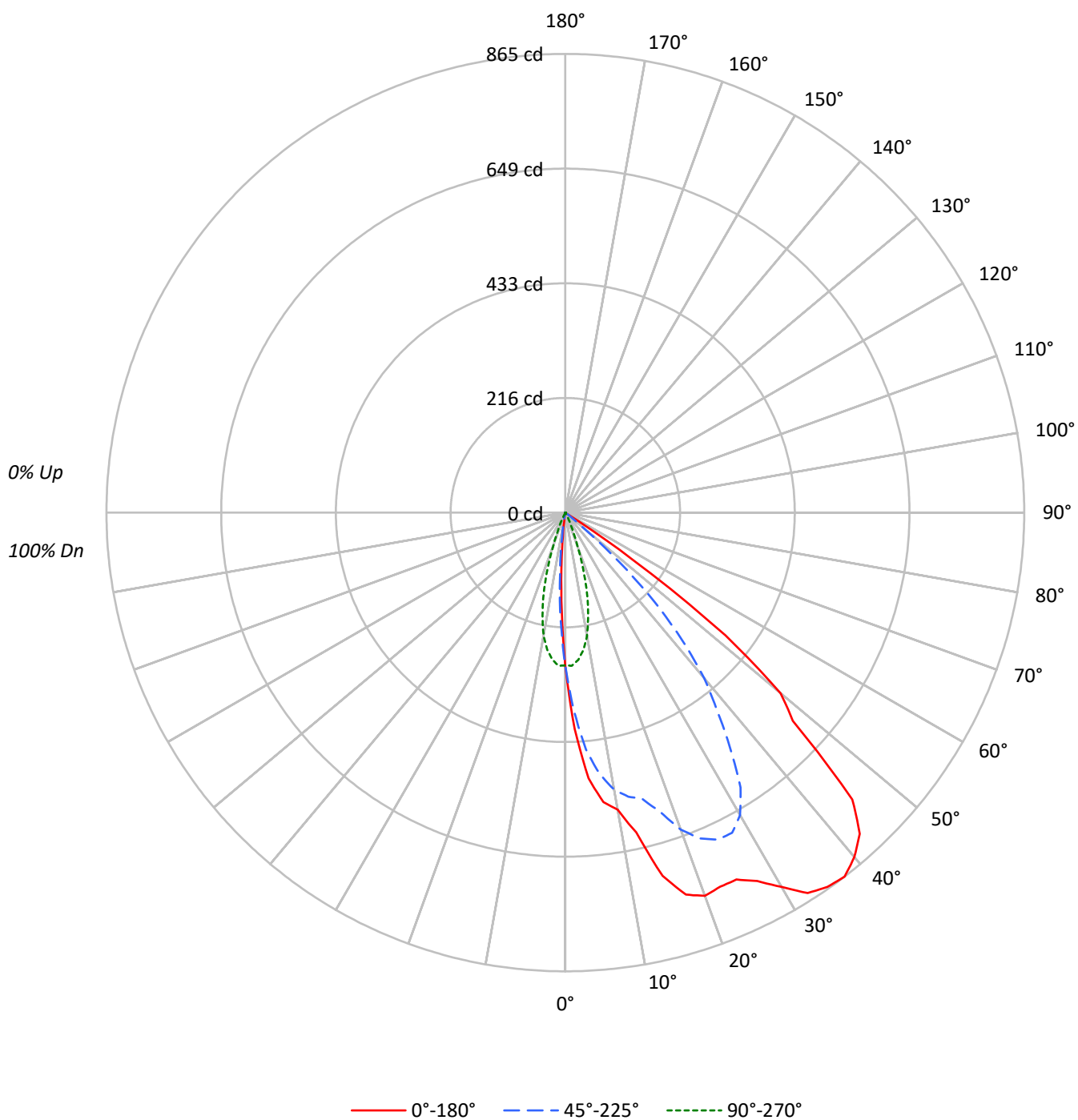
Lumens per Lamp: N/A
Luminaire Lumens: 533.0 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82			
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73			
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66			
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59			
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44			
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	49600	49600	49600	49600	49600
5°	86942	77502	48147	20002	11514
10°	99506	92756	41167	2186	787
15°	126467	99579	28225	446	267
20°	140921	116490	12389	0	0
25°	145066	129256	3515	0	0
30°	162056	130993	497	0	0
35°	181126	113743	0	0	0
40°	190536	91547	0	0	0
45°	186299	57821	0	0	0
50°	141843	11816	0	0	0
55°	46480	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	992	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 186299 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	4.9
10°-20°	77.1	14.5
20°-30°	125.4	23.5
30°-40°	149.0	28.0
40°-50°	121.9	22.9
50°-60°	32.3	6.1
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.4	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°	228.8	42.9
0°-40°	377.9	70.9
0°-60°	532.1	99.8
0°-90°	533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	533.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	288	288	288	288	288	
5°	503	448	278	116	67	49
15°	709	558	158	2	2	198
25°	763	680	18	0	0	359
35°	862	541	0	0	0	536
45°	765	237	0	0	0	549
55°	155	0	0	0	0	174
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	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°	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0
2.5°	408.7	405.7	406.2	404.7	406.2	399.7	392.7	386.2	381.2	374.2	331.6
5°	502.9	497.9	496.4	494.4	492.4	484.4	477.8	469.8	460.3	448.3	370.2
7.5°	550.5	546.5	544.5	545.5	541.0	538.0	529.4	520.4	510.4	497.4	399.2
10°	569.0	565.0	564.5	564.0	563.5	561.5	557.5	549.5	540.5	530.4	415.7
12.5°	617.6	608.6	602.6	595.6	587.0	576.0	567.0	560.0	556.5	548.5	423.2
15°	709.3	700.7	694.2	685.2	669.2	645.6	624.1	596.6	572.5	558.5	420.2
17.5°	755.3	751.3	745.8	739.8	728.8	711.8	689.7	660.7	630.1	590.5	405.7
20°	768.9	766.9	762.9	760.3	752.8	740.8	725.8	703.2	674.7	635.6	383.2
22.5°	763.4	764.9	766.9	773.4	774.4	765.9	751.8	730.3	701.2	665.2	348.6
25°	763.4	762.3	762.3	775.9	784.4	780.4	770.4	750.8	721.3	680.2	306.0
27.5°	782.9	776.9	764.4	778.4	792.4	790.9	781.9	758.8	725.8	680.7	253.9
30°	814.9	801.9	781.4	794.4	807.4	801.9	787.4	757.8	715.8	658.7	190.3
32.5°	850.5	844.5	834.0	842.5	840.5	818.4	792.4	751.3	695.2	614.6	128.2
35°	861.5	862.5	855.5	854.0	842.5	820.0	792.4	732.8	652.2	541.0	76.1
37.5°	865.0	865.5	854.5	840.5	823.5	796.9	763.9	694.7	572.5	469.8	40.6
40°	847.5	847.0	829.0	811.9	792.9	766.9	718.8	614.6	496.9	407.2	14.5
42.5°	821.5	814.9	797.9	776.9	753.8	721.3	646.1	518.9	431.8	326.1	1.0
45°	764.9	758.8	745.3	722.8	697.2	651.2	532.4	445.8	351.1	237.4	0.0
47.5°	581.5	578.5	592.5	595.6	595.1	542.5	444.3	363.6	258.0	138.2	0.0
50°	529.4	525.4	511.4	493.4	461.3	417.2	356.1	269.5	151.3	44.1	0.0
52.5°	380.2	393.2	396.2	382.7	352.6	309.0	245.4	155.3	52.6	0.0	0.0
55°	154.8	146.8	152.8	160.3	166.3	152.8	113.2	55.1	0.5	0.0	0.0
57.5°	0.0	0.5	3.0	7.0	11.5	14.5	15.5	1.0	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	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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°	288.0	288.0	288.0	288.0	288.0
2.5°	289.0	244.4	201.4	177.8	166.3
5°	278.5	186.8	115.7	80.1	66.6
7.5°	261.0	128.2	46.1	19.0	13.5
10°	235.4	73.6	12.5	5.0	4.5
12.5°	198.9	33.6	4.5	3.5	3.5
15°	158.3	11.5	2.5	2.0	1.5
17.5°	111.2	3.0	1.0	0.0	0.0
20°	67.6	0.5	0.0	0.0	0.0
22.5°	37.6	0.0	0.0	0.0	0.0
25°	18.5	0.0	0.0	0.0	0.0
27.5°	8.0	0.0	0.0	0.0	0.0
30°	2.5	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	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°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.0	0.0	0.0
67.5°	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.0	0.0	0.0
77.5°	1.0	0.5	0.5	0.0	0.0
80°	1.0	0.5	0.5	0.0	0.0
82.5°	1.0	0.5	0.5	0.0	0.0
85°	0.5	0.5	0.5	0.0	0.0
87.5°	1.0	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)