

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: P1317791

Luminaire Tested: P3SQAS05R709835DE010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709835DE010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

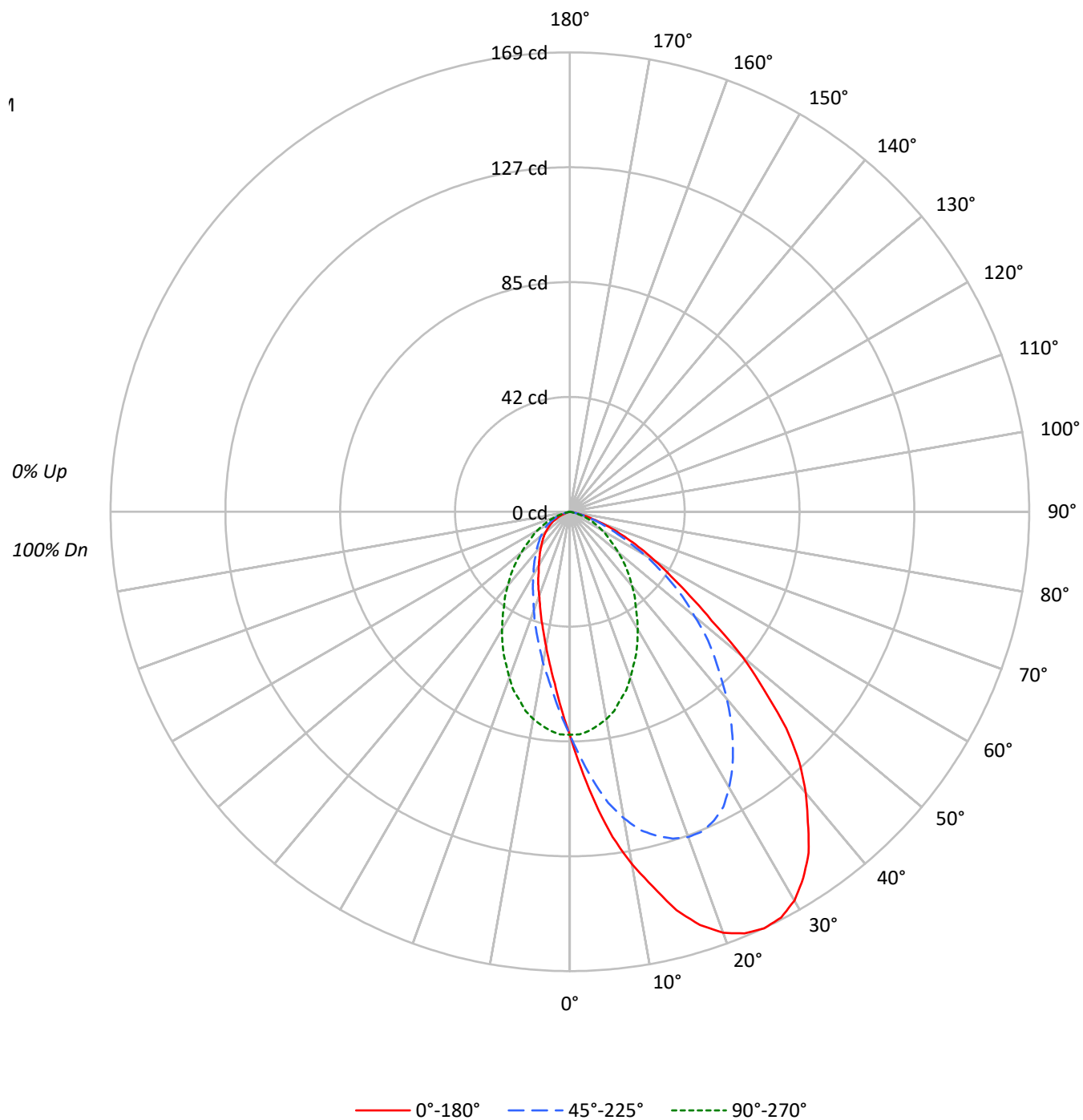
Lumens per Lamp: N/A
Luminaire Lumens: 184.0 lumens
Efficiency: N/A
Efficacy: 25.6 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14122	14122	14122	14122	14122
5°	18602	17184	13986	11704	10978
10°	23014	20024	13536	9881	8796
15°	27048	22002	12766	8344	7239
20°	30204	23331	11913	7093	6030
25°	32134	23829	10965	6100	5226
30°	32853	23307	9923	5310	4534
35°	32210	21971	8872	4794	4058
40°	30351	20189	8004	4339	3665
45°	27425	18291	7161	3970	3385
50°	22185	16076	6216	3724	3108
55°	16154	13812	5345	3483	2792
60°	12538	10919	4788	3203	2549
65°	9454	7865	3953	2853	1875
70°	6647	5640	2921	2165	1158
75°	3859	3327	1530	998	266
80°	793	1190	397	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27425 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	4.4
10°-20°	23.9	13.0
20°-30°	36.0	19.6
30°-40°	40.1	21.8
40°-50°	35.5	19.3
50°-60°	24.1	13.1
60°-70°	12.6	6.9
70°-80°	3.6	2.0
80°-90°	0.1	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°	68.0	36.9
0°-40°	108.0	58.7
0°-60°	167.7	91.1
0°-90°	184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	184.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	82	82	82	82	82	
5°	108	99	81	68	64	11
15°	152	123	72	47	41	43
25°	169	125	58	32	28	78
35°	153	104	42	23	19	95
45°	113	75	29	16	14	85
55°	54	46	18	12	9	50
65°	23	19	10	7	5	23
75°	6	5	2	2	0	6
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°	50°
0°	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2.5°	94.4	94.0	93.6	93.6	93.3	92.9	92.1	92.1	91.3	90.5	89.8
5°	107.6	107.6	107.6	106.4	106.4	104.9	104.1	102.5	101.0	99.4	97.5
7.5°	120.7	120.7	119.6	119.2	118.0	116.5	115.3	113.0	110.3	108.0	104.9
10°	131.6	131.6	130.4	129.6	127.3	125.8	123.4	120.7	118.0	114.5	110.7
12.5°	141.2	141.6	140.1	138.5	136.2	133.9	130.8	127.3	123.8	120.0	114.9
15°	151.7	151.3	149.4	147.4	144.7	141.2	137.4	132.7	128.1	123.4	118.0
17.5°	159.4	159.0	157.1	154.8	151.3	147.0	142.8	137.4	131.9	126.1	119.6
20°	164.8	164.5	162.5	159.4	155.9	151.3	146.3	140.1	134.3	127.3	120.0
22.5°	167.9	167.5	165.2	162.5	158.3	153.2	147.8	141.2	134.7	127.3	119.2
25°	169.1	168.3	166.0	162.9	158.6	153.2	147.0	140.1	133.1	125.4	116.9
27.5°	168.3	167.5	164.8	161.4	156.7	150.5	144.3	137.4	130.0	122.3	113.4
30°	165.2	164.1	161.7	158.3	153.2	147.0	140.5	133.1	125.4	117.2	108.3
32.5°	159.8	159.0	156.7	152.8	147.8	141.6	135.0	127.3	119.6	111.4	102.5
35°	153.2	151.7	149.4	145.9	140.8	134.7	128.1	120.0	112.6	104.5	96.0
37.5°	143.9	143.6	140.8	138.1	133.1	126.5	120.3	112.6	105.3	97.5	89.0
40°	135.0	134.3	131.9	128.9	123.8	118.0	111.4	104.5	97.1	89.8	82.0
42.5°	125.0	123.8	122.3	119.2	114.5	108.7	102.5	95.6	89.0	82.0	75.1
45°	112.6	112.2	110.3	108.7	104.5	99.4	93.3	87.1	80.5	75.1	69.7
47.5°	96.7	96.4	96.0	94.8	92.5	89.0	84.4	78.6	73.5	68.1	60.8
50°	82.8	82.4	81.6	81.3	79.3	77.4	73.9	70.4	66.2	60.0	54.2
52.5°	65.8	66.2	67.3	67.7	67.3	65.8	64.2	63.1	57.3	53.4	48.0
55°	53.8	53.8	53.4	53.8	54.2	54.9	54.9	53.4	49.5	46.0	41.4
57.5°	44.1	44.1	44.1	44.1	44.1	44.5	44.5	44.1	42.2	38.7	34.4
60°	36.4	36.0	36.0	36.4	36.0	36.0	36.4	36.4	34.4	31.7	27.9
62.5°	29.4	29.4	29.4	29.0	29.0	29.4	29.4	29.0	27.5	24.8	22.1
65°	23.2	23.2	23.2	23.2	23.2	23.6	23.2	22.8	21.3	19.3	17.4
67.5°	17.8	17.8	18.2	17.8	18.2	18.2	18.2	17.4	16.3	14.7	13.5
70°	13.2	13.2	13.2	13.5	13.9	13.9	13.5	12.8	12.0	11.2	10.1
72.5°	8.9	9.3	9.3	9.3	9.7	9.7	9.3	8.9	8.5	7.7	7.4
75°	5.8	5.4	5.8	5.8	6.2	6.2	5.8	5.8	5.4	5.0	4.6
77.5°	2.7	2.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.7	2.7
80°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2.5°	89.0	87.8	86.3	82.0	78.2	74.7	72.7	72.4
5°	95.2	93.6	89.8	80.9	73.5	67.7	64.2	63.5
7.5°	101.8	98.7	93.3	79.3	68.9	61.5	57.7	56.5
10°	106.8	102.9	95.6	77.4	64.2	56.5	51.9	50.3
12.5°	110.3	105.6	97.5	75.1	60.4	51.1	46.4	44.9
15°	112.2	107.2	97.9	71.6	55.7	46.8	41.8	40.6
17.5°	113.0	107.2	97.1	68.9	51.5	42.6	37.9	36.4
20°	112.6	105.6	95.2	65.0	47.6	38.7	34.1	32.9
22.5°	111.1	103.3	92.1	61.1	43.7	34.8	31.0	30.2
25°	108.7	100.2	88.6	57.7	40.2	32.1	28.2	27.5
27.5°	104.9	96.4	84.0	53.8	37.1	29.4	25.9	24.8
30°	99.8	91.7	79.3	49.9	34.1	26.7	23.6	22.8
32.5°	94.4	86.3	74.7	46.0	31.3	24.8	21.7	20.9
35°	88.2	80.5	68.9	42.2	28.6	22.8	19.7	19.3
37.5°	82.0	74.3	63.8	39.1	26.3	20.9	18.2	17.8
40°	75.1	68.9	61.1	35.6	24.4	19.3	17.0	16.3
42.5°	70.8	62.3	52.6	32.5	22.4	17.8	15.5	15.1
45°	61.5	55.3	47.6	29.4	20.5	16.3	14.3	13.9
47.5°	55.3	49.9	42.6	26.3	19.0	15.1	13.2	12.8
50°	49.1	44.1	37.1	23.2	17.4	13.9	12.0	11.6
52.5°	43.0	37.9	31.7	20.5	15.5	12.8	10.8	10.4
55°	36.8	32.1	26.3	17.8	13.9	11.6	10.1	9.3
57.5°	30.2	26.3	22.4	15.9	12.4	10.4	8.9	8.1
60°	24.4	22.1	19.0	13.9	10.8	9.3	7.7	7.4
62.5°	19.7	17.8	15.9	12.0	9.7	8.1	7.0	5.8
65°	15.9	14.7	13.2	9.7	8.1	7.0	5.8	4.6
67.5°	12.4	11.6	10.4	8.1	6.6	5.8	4.3	3.5
70°	9.7	8.9	8.1	5.8	5.0	4.3	3.1	2.3
72.5°	7.0	6.2	5.8	4.3	3.5	3.1	1.9	1.2
75°	4.3	4.3	3.5	2.3	1.9	1.5	0.8	0.4
77.5°	2.3	2.3	1.9	1.2	1.2	0.4	0.0	0.0
80°	1.2	0.8	0.8	0.4	0.4	0.0	0.0	0.0
82.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)