

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: P1316039

Luminaire Tested: P3SQAS05R709827DE010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316039
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: P3SQAS05R709827DE010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

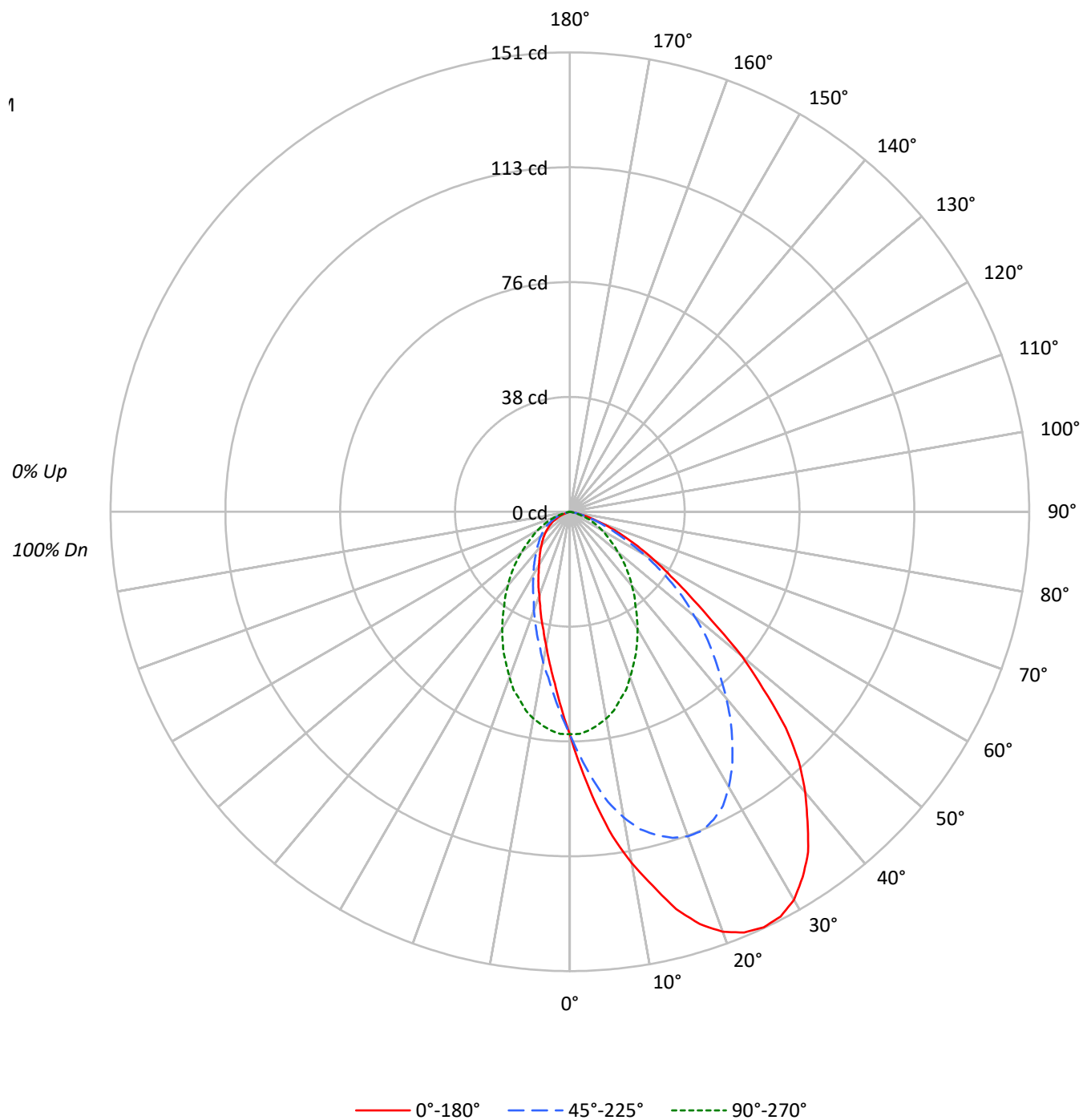
Lumens per Lamp: N/A
Luminaire Lumens: 164.0 lumens
Efficiency: N/A
Efficacy: 22.8 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	64	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°	12589	12589	12589	12589	12589
5°	16579	15317	12465	10442	9785
10°	20513	17855	12067	8814	7835
15°	24106	19613	11375	7435	6454
20°	26923	20802	10612	6323	5370
25°	28637	21226	9767	5435	4656
30°	29293	20781	8850	4733	4037
35°	28719	19574	7905	4268	3616
40°	27068	17986	7127	3867	3260
45°	24453	16294	6381	3532	3020
50°	19773	14334	5546	3322	2760
55°	14383	12311	4774	3093	2492
60°	11160	9748	4271	2859	2273
65°	8436	7009	3505	2527	1671
70°	5891	5035	2618	1913	1057
75°	3460	2994	1397	932	200
80°	694	992	298	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	4.4
10°-20°	21.3	13.0
20°-30°	32.1	19.6
30°-40°	35.7	21.8
40°-50°	31.7	19.3
50°-60°	21.5	13.1
60°-70°	11.3	6.9
70°-80°	3.2	1.9
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°	60.6	36.9
0°-40°	96.3	58.7
0°-60°	149.4	91.1
0°-90°	164.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	164.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	73	73	73	73	73	
5°	96	89	72	60	57	10
15°	135	110	64	42	36	38
25°	151	112	51	29	24	69
35°	137	93	38	20	17	85
45°	100	67	26	14	12	76
55°	48	41	16	10	8	44
65°	21	17	9	6	4	21
75°	5	4	2	1	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°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2.5°	84.2	83.8	83.5	83.5	83.1	82.8	82.1	82.1	81.4	80.7	80.0
5°	95.9	95.9	95.9	94.8	94.8	93.5	92.8	91.4	90.0	88.6	86.9
7.5°	107.6	107.6	106.6	106.2	105.2	103.8	102.8	100.7	98.3	96.2	93.5
10°	117.3	117.3	116.2	115.5	113.5	112.1	110.0	107.6	105.2	102.1	98.6
12.5°	125.9	126.2	124.9	123.5	121.4	119.3	116.6	113.5	110.4	106.9	102.4
15°	135.2	134.9	133.1	131.4	129.0	125.9	122.4	118.3	114.2	110.0	105.2
17.5°	142.1	141.7	140.0	138.0	134.9	131.1	127.3	122.4	117.6	112.4	106.6
20°	146.9	146.6	144.9	142.1	139.0	134.9	130.4	124.9	119.7	113.5	106.9
22.5°	149.7	149.3	147.3	144.9	141.1	136.6	131.7	125.9	120.0	113.5	106.2
25°	150.7	150.0	148.0	145.2	141.4	136.6	131.1	124.9	118.6	111.7	104.2
27.5°	150.0	149.3	146.9	143.8	139.7	134.2	128.6	122.4	115.9	109.0	101.1
30°	147.3	146.2	144.2	141.1	136.6	131.1	125.2	118.6	111.7	104.5	96.6
32.5°	142.4	141.7	139.7	136.2	131.7	126.2	120.4	113.5	106.6	99.3	91.4
35°	136.6	135.2	133.1	130.0	125.5	120.0	114.2	106.9	100.4	93.1	85.5
37.5°	128.3	128.0	125.5	123.1	118.6	112.8	107.3	100.4	93.8	86.9	79.3
40°	120.4	119.7	117.6	114.8	110.4	105.2	99.3	93.1	86.6	80.0	73.1
42.5°	111.4	110.4	109.0	106.2	102.1	96.9	91.4	85.2	79.3	73.1	66.9
45°	100.4	100.0	98.3	96.9	93.1	88.6	83.1	77.6	71.7	66.9	62.1
47.5°	86.2	85.9	85.5	84.5	82.4	79.3	75.2	70.0	65.5	60.7	54.1
50°	73.8	73.5	72.8	72.4	70.7	69.0	65.9	62.8	59.0	53.5	48.3
52.5°	58.6	59.0	60.0	60.4	60.0	58.6	57.3	56.2	51.0	47.6	42.8
55°	47.9	47.9	47.6	47.9	48.3	49.0	49.0	47.6	44.1	41.0	36.9
57.5°	39.3	39.3	39.3	39.3	39.3	39.7	39.7	39.3	37.6	34.5	30.7
60°	32.4	32.1	32.1	32.4	32.1	32.1	32.4	32.4	30.7	28.3	24.8
62.5°	26.2	26.2	26.2	25.9	25.9	26.2	26.2	25.9	24.5	22.1	19.7
65°	20.7	20.7	20.7	20.7	20.7	21.0	20.7	20.3	19.0	17.2	15.5
67.5°	15.9	15.9	16.2	15.9	16.2	16.2	16.2	15.5	14.5	13.1	12.1
70°	11.7	11.7	11.7	12.1	12.4	12.4	12.1	11.4	10.7	10.0	9.0
72.5°	7.9	8.3	8.3	8.3	8.6	8.6	8.3	7.9	7.6	6.9	6.6
75°	5.2	4.8	5.2	5.2	5.5	5.5	5.2	5.2	4.8	4.5	4.1
77.5°	2.4	2.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.4	2.4
80°	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2.5°	79.3	78.3	76.9	73.1	69.7	66.6	64.8	64.5
5°	84.8	83.5	80.0	72.1	65.5	60.4	57.3	56.6
7.5°	90.7	87.9	83.1	70.7	61.4	54.8	51.4	50.4
10°	95.2	91.7	85.2	69.0	57.3	50.4	46.2	44.8
12.5°	98.3	94.2	86.9	66.9	53.8	45.5	41.4	40.0
15°	100.0	95.5	87.3	63.8	49.7	41.7	37.2	36.2
17.5°	100.7	95.5	86.6	61.4	45.9	37.9	33.8	32.4
20°	100.4	94.2	84.8	57.9	42.4	34.5	30.4	29.3
22.5°	99.0	92.1	82.1	54.5	39.0	31.0	27.6	26.9
25°	96.9	89.3	79.0	51.4	35.9	28.6	25.2	24.5
27.5°	93.5	85.9	74.8	47.9	33.1	26.2	23.1	22.1
30°	89.0	81.7	70.7	44.5	30.4	23.8	21.0	20.3
32.5°	84.2	76.9	66.6	41.0	27.9	22.1	19.3	18.6
35°	78.6	71.7	61.4	37.6	25.5	20.3	17.6	17.2
37.5°	73.1	66.2	56.9	34.8	23.5	18.6	16.2	15.9
40°	66.9	61.4	54.5	31.7	21.7	17.2	15.2	14.5
42.5°	63.1	55.5	46.9	29.0	20.0	15.9	13.8	13.5
45°	54.8	49.3	42.4	26.2	18.3	14.5	12.8	12.4
47.5°	49.3	44.5	37.9	23.5	16.9	13.5	11.7	11.4
50°	43.8	39.3	33.1	20.7	15.5	12.4	10.7	10.3
52.5°	38.3	33.8	28.3	18.3	13.8	11.4	9.7	9.3
55°	32.8	28.6	23.5	15.9	12.4	10.3	9.0	8.3
57.5°	26.9	23.5	20.0	14.1	11.0	9.3	7.9	7.2
60°	21.7	19.7	16.9	12.4	9.7	8.3	6.9	6.6
62.5°	17.6	15.9	14.1	10.7	8.6	7.2	6.2	5.2
65°	14.1	13.1	11.7	8.6	7.2	6.2	5.2	4.1
67.5°	11.0	10.3	9.3	7.2	5.9	5.2	3.8	3.1
70°	8.6	7.9	7.2	5.2	4.5	3.8	2.8	2.1
72.5°	6.2	5.5	5.2	3.8	3.1	2.8	1.7	1.0
75°	3.8	3.8	3.1	2.1	1.7	1.4	0.7	0.3
77.5°	2.1	2.1	1.7	1.0	1.0	0.3	0.0	0.0
80°	1.0	0.7	0.7	0.3	0.3	0.0	0.0	0.0
82.5°	0.3	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)