

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: P1316915

Luminaire Tested: P3SQAS05R709830DE010 E3SQCLSWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316915
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: P3SQAS05R709830DE010 E3SQCLSWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

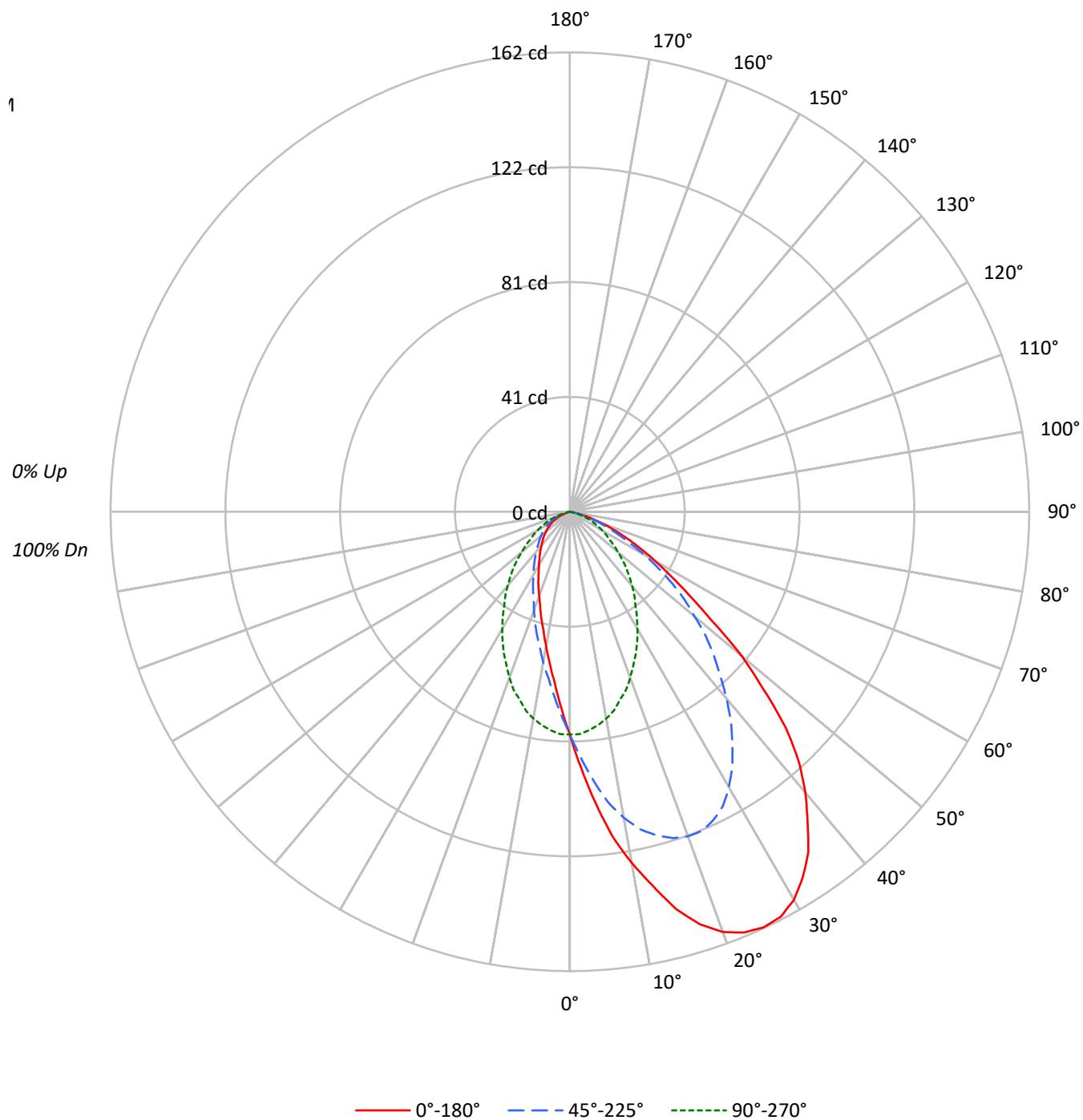
Lumens per Lamp: N/A
Luminaire Lumens: 176.0 lumens
Efficiency: N/A
Efficacy: 24.4 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1316915

CATALOG NUMBER: P3SQAS05R709830DE010 E3SQCLSWW1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316915

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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	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89
2	103	96	90	85	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	13519	13519	13519	13519	13519
5°	17789	16441	13381	11203	10494
10°	22000	19167	12941	9443	8412
15°	25871	21057	12213	7988	6936
20°	28903	22323	11400	6781	5773
25°	30727	22784	10470	5834	4998
30°	31421	22293	9486	5071	4335
35°	30822	21003	8473	4583	3890
40°	29047	19312	7666	4159	3485
45°	26231	17488	6844	3775	3239
50°	21220	15379	5948	3563	2974
55°	15433	13211	5104	3333	2672
60°	11987	10471	4581	3066	2411
65°	9047	7539	3790	2730	1793
70°	6345	5388	2820	2065	1108
75°	3726	3194	1464	998	266
80°	694	1091	397	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26231 cd/sqm

TEST NUMBER: P1316915

CATALOG NUMBER: P3SQAS05R709830DE010 E3SQCLSWW1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	4.4
10°-20°	22.9	13.0
20°-30°	34.5	19.6
30°-40°	38.3	21.8
40°-50°	34.0	19.3
50°-60°	23.1	13.1
60°-70°	12.1	6.9
70°-80°	3.4	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°	65.0	36.9
0°-40°	103.3	58.7
0°-60°	160.4	91.1
0°-90°	176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	176.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	78	78	78	78	78	
5°	103	95	77	65	61	11
15°	145	118	68	45	39	41
25°	162	120	55	31	26	74
35°	147	100	40	22	18	91
45°	108	72	28	16	13	82
55°	51	44	17	11	9	48
65°	22	18	9	7	4	22
75°	6	5	2	2	0	6
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1316915

CATALOG NUMBER: P3SQAS05R709830DE010 E3SQCLSWW1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	90.3	89.9	89.6	89.6	89.2	88.8	88.1	88.1	87.3	86.6	85.9
5°	102.9	102.9	102.9	101.8	101.8	100.3	99.6	98.1	96.6	95.1	93.3
7.5°	115.5	115.5	114.4	114.0	112.9	111.4	110.3	108.1	105.5	103.3	100.3
10°	125.8	125.8	124.7	124.0	121.8	120.3	118.1	115.5	112.9	109.6	105.9
12.5°	135.1	135.5	134.0	132.5	130.3	128.1	125.1	121.8	118.4	114.7	109.9
15°	145.1	144.7	142.9	141.0	138.4	135.1	131.4	127.0	122.5	118.1	112.9
17.5°	152.5	152.1	150.3	148.1	144.7	140.6	136.6	131.4	126.2	120.7	114.4
20°	157.7	157.3	155.5	152.5	149.2	144.7	139.9	134.0	128.4	121.8	114.7
22.5°	160.6	160.3	158.0	155.5	151.4	146.6	141.4	135.1	128.8	121.8	114.0
25°	161.7	161.0	158.8	155.8	151.8	146.6	140.6	134.0	127.3	119.9	111.8
27.5°	161.0	160.3	157.7	154.3	149.9	144.0	138.1	131.4	124.4	117.0	108.4
30°	158.0	156.9	154.7	151.4	146.6	140.6	134.4	127.3	119.9	112.1	103.6
32.5°	152.9	152.1	149.9	146.2	141.4	135.5	129.2	121.8	114.4	106.6	98.1
35°	146.6	145.1	142.9	139.5	134.7	128.8	122.5	114.7	107.7	99.9	91.8
37.5°	137.7	137.3	134.7	132.1	127.3	121.0	115.1	107.7	100.7	93.3	85.1
40°	129.2	128.4	126.2	123.3	118.4	112.9	106.6	99.9	92.9	85.9	78.5
42.5°	119.6	118.4	117.0	114.0	109.6	104.0	98.1	91.4	85.1	78.5	71.8
45°	107.7	107.3	105.5	104.0	99.9	95.1	89.2	83.3	77.0	71.8	66.6
47.5°	92.5	92.2	91.8	90.7	88.5	85.1	80.7	75.1	70.3	65.1	58.1
50°	79.2	78.8	78.1	77.7	75.9	74.0	70.7	67.4	63.3	57.4	51.8
52.5°	62.9	63.3	64.4	64.8	64.4	62.9	61.4	60.3	54.8	51.1	45.9
55°	51.4	51.4	51.1	51.4	51.8	52.6	52.6	51.1	47.4	44.0	39.6
57.5°	42.2	42.2	42.2	42.2	42.2	42.6	42.6	42.2	40.3	37.0	32.9
60°	34.8	34.4	34.4	34.8	34.4	34.4	34.8	34.8	32.9	30.4	26.6
62.5°	28.1	28.1	28.1	27.8	27.8	28.1	28.1	27.8	26.3	23.7	21.1
65°	22.2	22.2	22.2	22.2	22.2	22.6	22.2	21.8	20.4	18.5	16.7
67.5°	17.0	17.0	17.4	17.0	17.4	17.4	17.4	16.7	15.5	14.1	13.0
70°	12.6	12.6	12.6	13.0	13.3	13.3	13.0	12.2	11.5	10.7	9.6
72.5°	8.5	8.9	8.9	8.9	9.3	9.3	8.9	8.5	8.1	7.4	7.0
75°	5.6	5.2	5.6	5.6	5.9	5.9	5.6	5.6	5.2	4.8	4.4
77.5°	2.6	2.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.6	2.6
80°	0.7	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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

TEST NUMBER: P1316915

CATALOG NUMBER: P3SQAS05R709830DE010 E3SQCLSWW1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	85.1	84.0	82.5	78.5	74.8	71.4	69.6	69.2
5°	91.1	89.6	85.9	77.4	70.3	64.8	61.4	60.7
7.5°	97.3	94.4	89.2	75.9	65.9	58.8	55.1	54.0
10°	102.2	98.5	91.4	74.0	61.4	54.0	49.6	48.1
12.5°	105.5	101.0	93.3	71.8	57.7	48.9	44.4	42.9
15°	107.3	102.5	93.6	68.5	53.3	44.8	40.0	38.9
17.5°	108.1	102.5	92.9	65.9	49.2	40.7	36.3	34.8
20°	107.7	101.0	91.1	62.2	45.5	37.0	32.6	31.5
22.5°	106.2	98.8	88.1	58.5	41.8	33.3	29.6	28.9
25°	104.0	95.9	84.8	55.1	38.5	30.7	27.0	26.3
27.5°	100.3	92.2	80.3	51.4	35.5	28.1	24.8	23.7
30°	95.5	87.7	75.9	47.7	32.6	25.5	22.6	21.8
32.5°	90.3	82.5	71.4	44.0	30.0	23.7	20.7	20.0
35°	84.4	77.0	65.9	40.3	27.4	21.8	18.9	18.5
37.5°	78.5	71.1	61.1	37.4	25.2	20.0	17.4	17.0
40°	71.8	65.9	58.5	34.1	23.3	18.5	16.3	15.5
42.5°	67.7	59.6	50.3	31.1	21.5	17.0	14.8	14.4
45°	58.8	52.9	45.5	28.1	19.6	15.5	13.7	13.3
47.5°	52.9	47.7	40.7	25.2	18.1	14.4	12.6	12.2
50°	47.0	42.2	35.5	22.2	16.7	13.3	11.5	11.1
52.5°	41.1	36.3	30.4	19.6	14.8	12.2	10.4	10.0
55°	35.2	30.7	25.2	17.0	13.3	11.1	9.6	8.9
57.5°	28.9	25.2	21.5	15.2	11.8	10.0	8.5	7.8
60°	23.3	21.1	18.1	13.3	10.4	8.9	7.4	7.0
62.5°	18.9	17.0	15.2	11.5	9.3	7.8	6.7	5.6
65°	15.2	14.1	12.6	9.3	7.8	6.7	5.6	4.4
67.5°	11.8	11.1	10.0	7.8	6.3	5.6	4.1	3.3
70°	9.3	8.5	7.8	5.6	4.8	4.1	3.0	2.2
72.5°	6.7	5.9	5.6	4.1	3.3	3.0	1.9	1.1
75°	4.1	4.1	3.3	2.2	1.9	1.5	0.7	0.4
77.5°	2.2	2.2	1.9	1.1	1.1	0.4	0.0	0.0
80°	1.1	0.7	0.7	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)