

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: P1308724

Luminaire Tested: P3SQAS02R709035DE010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709035DE010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

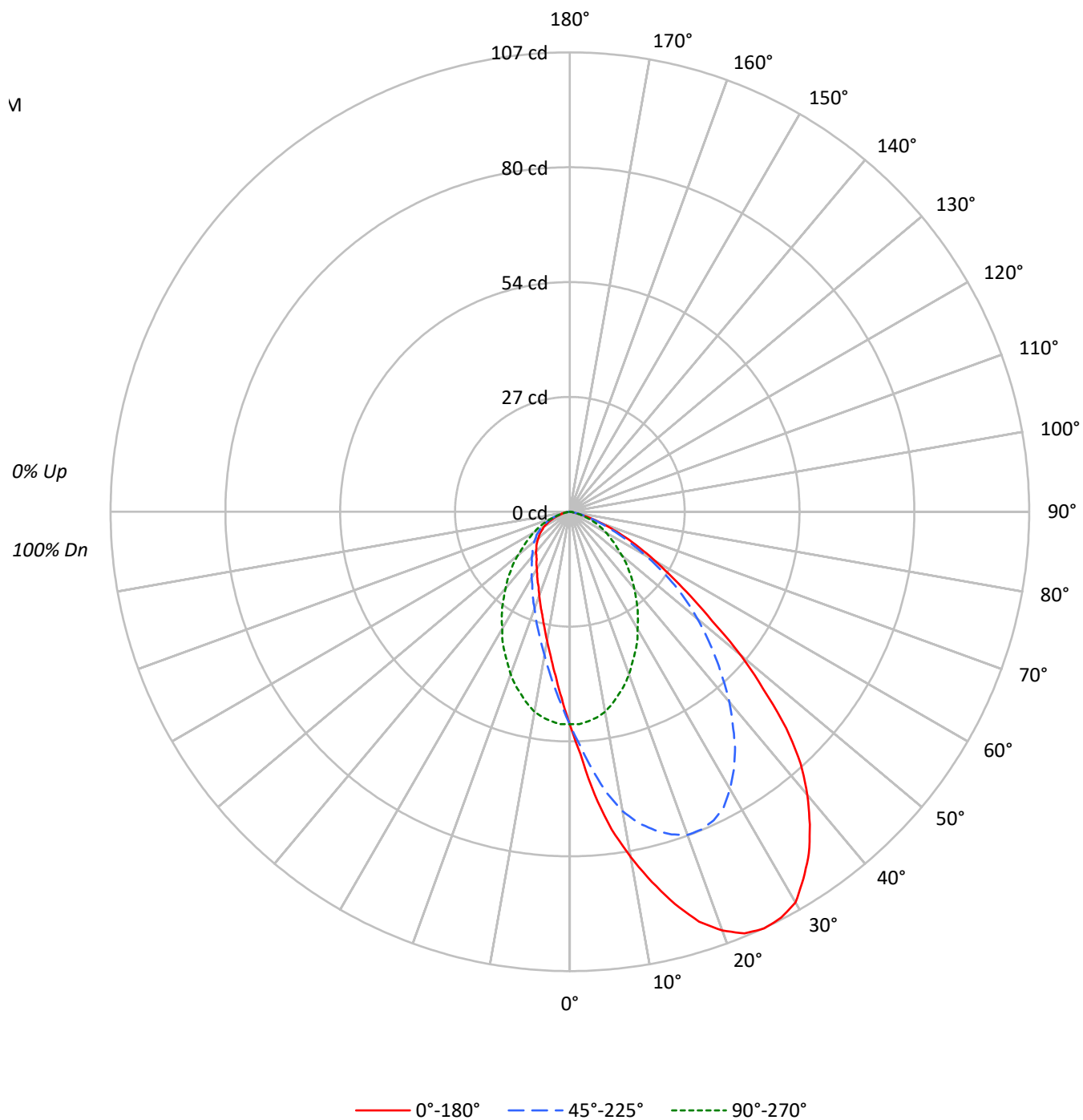
Lumens per Lamp: N/A
Luminaire Lumens: 121.1 lumens
Efficiency: N/A
Efficacy: 33.6 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1308724

CATALOG NUMBER: P3SQAS02R709035DE010 E3SQCLSWW1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308724

CATALOG NUMBER: P3SQAS02R709035DE010 E3SQCLSWW1MW

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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	111	107	103	100	108	105	101	99	100	98	95	97	94	93	93	91	90	88	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	35	33	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8525	8525	8525	8525	8525
5°	11427	10425	8471	7088	6621
10°	14270	12381	8272	5946	5334
15°	16867	13693	7845	5081	4422
20°	19024	14680	7386	4399	3812
25°	20352	15069	6841	3896	3382
30°	20901	14835	6264	3540	3043
35°	20415	14107	5782	3259	2838
40°	19357	12995	5238	3103	2765
45°	17366	11691	4749	2996	2679
50°	13932	10396	4233	2894	2545
55°	10299	8948	3753	2852	2492
60°	7922	6992	3376	2756	2411
65°	6031	5216	2975	2567	2160
70°	4028	3676	2266	2266	1762
75°	2196	2196	1530	1530	1331
80°	496	992	793	992	1289
85°	0	593	593	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17366 cd/sqm

TEST NUMBER: P1308724

CATALOG NUMBER: P3SQAS02R709035DE010 E3SQCLSWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	4.0
10°-20°	14.9	12.3
20°-30°	22.9	18.9
30°-40°	26.0	21.5
40°-50°	23.5	19.4
50°-60°	16.4	13.6
60°-70°	9.1	7.5
70°-80°	3.0	2.5
80°-90°	0.4	0.4
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°	42.6	35.2
0°-40°	68.6	56.7
0°-60°	108.6	89.7
0°-90°	121.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	121.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	50	50	50	50	50	
5°	66	60	49	41	38	7
15°	95	77	44	28	25	27
25°	107	79	36	20	18	49
35°	97	67	28	16	14	60
45°	71	48	20	12	11	54
55°	34	30	12	10	8	32
65°	15	13	7	6	5	15
75°	3	3	2	2	2	4
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308724

CATALOG NUMBER: P3SQAS02R709035DE010 E3SQCLSWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
2.5°	56.5	57.0	57.3	56.8	56.5	56.3	55.8	55.5	55.0	54.5	54.3
5°	66.1	66.1	66.1	65.6	64.8	64.3	63.3	62.6	61.3	60.3	59.3
7.5°	74.6	74.6	74.3	73.6	73.1	71.8	70.6	69.6	67.6	66.1	64.1
10°	81.6	81.6	81.3	80.1	79.3	77.8	76.6	74.8	72.8	70.8	68.6
12.5°	88.3	88.3	87.3	86.3	84.8	82.8	81.1	79.3	76.6	74.3	71.6
15°	94.6	94.6	94.1	92.3	90.3	88.1	85.6	83.1	79.8	76.8	73.8
17.5°	100.1	99.8	99.1	97.1	95.1	92.3	89.3	86.3	82.3	78.8	75.1
20°	103.8	103.8	102.8	100.6	98.3	95.3	92.1	88.6	84.3	80.1	75.6
22.5°	106.3	106.1	105.1	102.8	100.1	97.1	93.3	89.6	84.8	80.1	75.3
25°	107.1	106.8	105.8	103.3	100.6	97.3	93.3	89.3	84.3	79.3	74.1
27.5°	106.6	106.3	105.3	102.6	99.8	96.1	92.1	87.8	82.8	77.6	72.3
30°	105.1	104.3	103.3	100.8	97.8	94.1	89.8	85.1	80.1	74.6	69.3
32.5°	101.3	101.3	100.1	97.6	94.6	90.6	86.3	81.8	76.3	71.1	65.6
35°	97.1	96.8	95.8	93.1	90.3	86.6	82.3	77.6	72.3	67.1	61.8
37.5°	91.8	91.6	90.6	88.1	85.1	81.6	77.1	72.6	67.6	62.3	57.5
40°	86.1	85.6	84.3	82.3	79.8	75.8	71.8	67.3	62.6	57.8	53.0
42.5°	79.6	79.1	78.1	76.6	73.6	70.1	66.3	62.1	57.5	52.8	49.3
45°	71.3	71.3	70.8	69.3	67.1	64.3	60.3	56.5	52.3	48.0	44.3
47.5°	61.1	61.6	61.3	60.5	59.5	57.0	54.3	51.0	47.0	43.3	39.8
50°	52.0	52.3	52.5	52.0	51.3	49.5	47.8	45.8	42.3	38.8	35.5
52.5°	41.8	42.5	42.5	42.8	42.8	42.3	41.8	39.5	37.8	34.3	31.3
55°	34.3	34.3	34.3	34.8	35.0	35.3	34.8	34.3	32.3	29.8	27.0
57.5°	28.0	28.0	28.5	28.3	28.3	28.8	28.8	28.5	27.3	25.0	22.5
60°	23.0	23.0	23.0	23.0	23.3	23.3	23.3	23.3	22.3	20.3	18.3
62.5°	18.5	18.5	18.5	18.8	18.8	18.8	19.0	18.8	17.8	16.3	14.5
65°	14.8	14.5	14.8	14.8	15.0	15.0	15.0	14.8	13.8	12.8	11.5
67.5°	11.0	11.3	11.3	11.3	11.5	11.8	11.5	11.3	10.5	9.5	9.0
70°	8.0	8.3	8.3	8.3	8.5	8.8	8.5	8.3	7.8	7.3	6.8
72.5°	5.3	5.5	5.5	5.8	6.0	6.0	5.8	5.8	5.5	5.0	4.8
75°	3.3	3.3	3.5	3.5	3.8	3.8	3.8	3.5	3.5	3.3	3.3
77.5°	1.5	1.5	1.8	1.8	1.8	2.0	2.0	2.0	2.0	2.0	1.8
80°	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8	1.0	1.0	1.0
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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: P1308724

CATALOG NUMBER: P3SQAS02R709035DE010 E3SQCLSWW1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
2.5°	53.8	53.0	52.0	49.5	47.0	45.0	43.8	43.5
5°	58.0	56.8	54.5	49.0	44.5	41.0	39.0	38.3
7.5°	62.3	60.0	56.8	48.3	41.5	37.3	35.0	34.0
10°	65.8	63.1	58.8	47.3	39.0	34.0	31.3	30.5
12.5°	68.6	65.3	60.0	45.8	36.5	31.0	28.3	27.5
15°	70.3	66.8	60.8	44.0	34.0	28.5	25.8	24.8
17.5°	71.1	66.8	60.5	42.3	31.8	26.3	23.5	22.8
20°	71.1	66.3	59.8	40.3	29.5	24.0	21.5	20.8
22.5°	70.3	65.3	58.0	38.0	27.5	22.3	19.8	19.0
25°	68.8	63.3	56.0	36.0	25.5	20.5	18.3	17.8
27.5°	66.6	61.1	53.5	34.0	23.8	19.0	17.0	16.5
30°	63.8	58.3	50.8	31.5	22.0	17.8	16.0	15.3
32.5°	60.3	55.0	47.8	29.5	20.5	16.5	15.0	14.5
35°	56.5	51.8	44.5	27.5	19.0	15.5	14.0	13.5
37.5°	52.8	47.8	41.8	25.3	17.8	14.5	13.3	12.8
40°	48.8	45.0	38.8	23.3	16.8	13.8	12.5	12.3
42.5°	44.8	40.8	34.5	21.5	15.5	12.8	11.8	11.5
45°	40.0	36.3	31.3	19.5	14.5	12.3	11.3	11.0
47.5°	36.0	32.5	28.0	17.8	13.5	11.5	10.5	10.3
50°	32.3	28.8	24.5	15.8	12.5	10.8	10.0	9.5
52.5°	28.0	25.0	21.3	14.0	11.5	10.0	9.3	9.0
55°	24.3	21.3	17.8	12.5	10.5	9.5	8.5	8.3
57.5°	20.0	17.5	15.0	11.0	9.5	8.5	8.0	7.5
60°	16.3	14.5	12.8	9.8	8.5	8.0	7.3	7.0
62.5°	13.3	12.0	10.8	8.5	7.5	7.0	6.5	6.0
65°	10.5	9.8	8.8	7.3	6.5	6.3	5.8	5.3
67.5°	8.3	7.8	7.0	5.8	5.5	5.3	4.8	4.3
70°	6.3	6.0	5.5	4.5	4.3	4.5	4.0	3.5
72.5°	4.5	4.3	4.0	3.3	3.3	3.3	3.0	2.5
75°	3.0	2.8	2.5	2.3	2.3	2.3	2.3	2.0
77.5°	1.8	1.8	1.5	1.3	1.5	1.5	1.8	1.8
80°	0.8	0.8	0.8	0.8	1.0	1.0	1.3	1.3
82.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)