

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: P1445978

Luminaire Tested: P3ART02R709035DE010 E3CLSWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART02R709035DE010 E3CLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3CLSWW1MMS TRIM
Light Source: -
Ballast/Driver: -

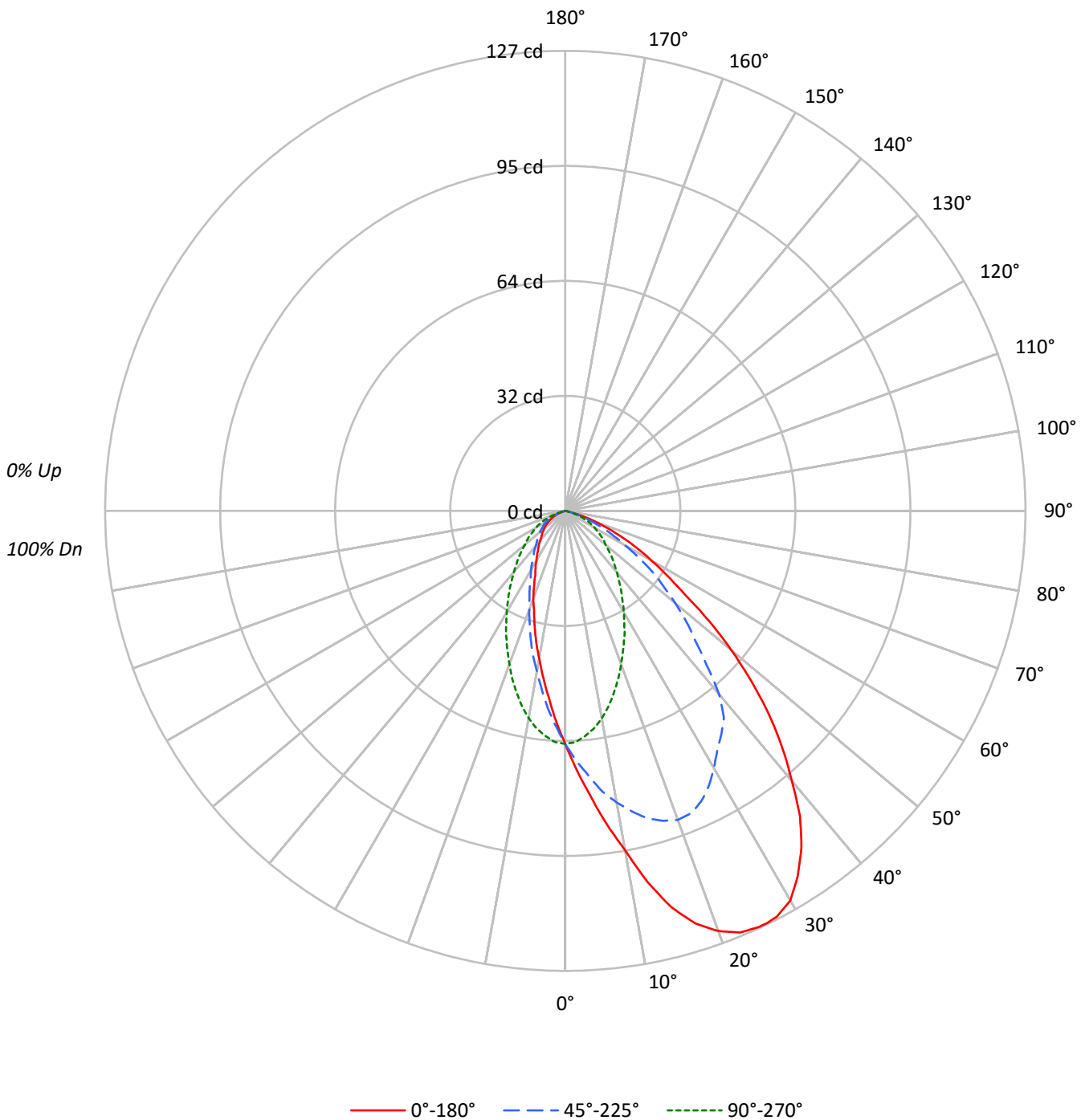
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 128.0 lumens
Efficiency: N/A
Efficacy: 35.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (A_{in}): 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: P1445978
CATALOG NUMBER: P3ART02R709035DE010 E3CLSWW1MMS

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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14100	14100	14100	14100	14100
5°	17345	16135	13735	12062	11424
10°	21175	18192	12937	10020	9218
15°	25721	19955	11782	8331	7423
20°	28796	21189	10501	6767	6021
25°	30655	21437	9315	5613	4742
30°	31448	20763	8178	4786	4051
35°	30410	20104	7201	4069	3507
40°	27852	18921	6326	3635	3120
45°	24654	15754	5644	3380	2822
50°	20434	13509	4947	3104	2593
55°	15407	11240	4588	2906	2370
60°	12104	8420	4122	2719	2061
65°	9028	6226	3580	2283	1712
70°	5834	3975	2565	1603	962
75°	2457	2118	1271	593	339
80°	505	505	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24654 cd/sqm



TEST NUMBER: P1445978

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	4.8
10°-20°	17.5	13.7
20°-30°	25.7	20.0
30°-40°	28.0	21.8
40°-50°	24.2	18.9
50°-60°	16.2	12.7
60°-70°	8.4	6.5
70°-80°	2.0	1.6
80°-90°	0.0	0.0
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°	49.3	38.5
0°-40°	77.2	60.3
0°-60°	117.6	91.9
0°-90°	128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	128.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	64	64	64	64	64	
5°	79	73	62	55	52	8
15°	113	88	52	37	33	32
25°	127	89	38	23	20	58
35°	114	75	27	15	13	70
45°	80	51	18	11	9	61
55°	40	29	12	8	6	37
65°	17	12	7	4	3	18
75°	3	2	2	1	0	4
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1445978

CATALOG NUMBER: P3ART02R709035DE010 E3CLSWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
2.5°	71.5	71.2	71.2	70.4	69.7	69.0	67.9	66.8	65.7	64.6	63.9
5°	78.8	79.1	78.8	77.3	75.5	73.3	71.2	68.6	66.1	63.9	62.4
7.5°	87.1	87.1	86.0	84.2	81.7	78.1	74.4	70.1	66.1	62.4	60.6
10°	95.1	95.1	93.3	90.4	86.4	81.7	76.6	70.8	65.3	60.3	58.1
12.5°	104.9	104.6	102.4	97.7	91.8	85.0	78.1	70.8	64.3	58.1	55.2
15°	113.3	112.9	110.0	104.2	96.6	87.9	78.4	70.1	62.1	55.2	51.9
17.5°	119.4	118.7	115.4	109.3	100.6	89.7	78.8	68.6	59.5	51.9	48.6
20°	123.4	123.1	119.4	112.2	102.7	90.8	78.4	66.8	57.0	48.6	45.0
22.5°	126.0	125.2	121.6	113.6	102.7	90.4	77.0	64.3	53.7	45.4	41.7
25°	126.7	126.3	122.0	113.3	101.7	88.6	74.8	61.7	50.5	42.1	38.5
26°	126.7	126.3	122.0	112.9	100.9	87.5	73.7	60.6	49.4	40.7	37.4
27.5°	126.3	126.0	121.3	111.8	99.5	85.7	71.5	58.4	47.2	38.8	35.2
30°	124.2	123.4	118.7	109.3	96.2	82.0	67.9	55.2	43.9	35.6	32.3
32.5°	119.4	118.7	113.6	104.9	92.6	78.1	63.9	51.6	40.7	32.3	29.4
35°	113.6	112.9	107.8	99.5	87.5	75.1	59.5	47.6	37.0	29.8	26.9
37.5°	106.4	105.3	100.9	92.2	81.3	71.9	55.9	43.6	33.8	26.9	24.3
40°	97.3	96.9	92.9	85.0	74.1	66.1	53.7	43.6	30.9	24.3	22.1
42.5°	88.6	87.9	84.2	77.3	67.5	57.7	47.2	41.7	28.7	21.8	20.0
45°	79.5	78.8	75.5	69.7	60.6	50.8	50.8	35.9	24.7	20.0	18.2
47.5°	69.7	69.0	66.4	62.1	54.1	45.4	37.0	29.4	22.5	17.8	16.3
50°	59.9	60.3	58.1	53.7	47.6	39.6	31.9	24.7	19.2	16.0	14.5
52.5°	50.1	49.7	48.3	45.4	41.0	34.1	27.2	21.1	16.7	14.2	13.4
55°	40.3	40.7	39.9	38.1	34.5	29.4	22.9	18.2	14.9	12.7	12.0
57.5°	33.4	33.8	32.3	31.2	28.3	24.0	18.9	15.2	12.7	11.3	10.5
60°	27.6	28.0	26.9	25.4	23.2	19.2	15.2	12.7	11.3	10.2	9.4
62.5°	22.5	22.1	21.4	20.0	18.2	15.2	12.3	10.5	9.4	8.7	8.3
65°	17.4	17.4	16.7	15.6	14.2	12.0	9.8	8.7	8.0	7.3	6.9
67.5°	13.1	13.1	12.3	11.6	10.2	8.7	7.6	6.9	6.5	5.8	5.4
70°	9.1	9.1	8.7	8.3	7.3	6.2	5.8	5.1	4.7	4.4	4.0
72.5°	5.8	5.8	5.8	5.1	4.7	4.0	4.0	3.6	3.3	2.9	2.9
75°	2.9	3.3	2.9	2.9	2.5	2.5	2.2	2.2	1.8	1.8	1.5
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.7	0.7	0.7	0.7	0.7
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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	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: P1445978
 CATALOG NUMBER: P3ART02R709035DE010 E3CLSWW1MMS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
2.5°	63.2	62.1	61.4	60.3	59.5	58.8	58.4	58.1	58.1	58.1
5°	61.4	59.5	57.7	55.9	54.8	53.7	52.6	52.3	51.9	51.9
7.5°	59.2	56.3	53.7	51.6	49.7	48.6	47.6	46.8	46.5	46.5
10°	56.3	52.6	49.7	46.8	45.0	43.6	42.8	41.7	41.7	41.4
12.5°	53.0	48.6	45.4	42.8	41.0	39.2	38.1	37.4	37.0	37.0
15°	49.4	45.0	41.4	38.5	36.7	34.9	33.8	33.0	32.7	32.7
17.5°	45.7	41.0	37.4	34.5	32.7	30.9	29.8	29.0	29.0	28.7
20°	42.1	37.4	33.8	30.9	29.0	27.6	26.5	25.8	25.4	25.8
22.5°	38.8	34.1	30.5	28.0	25.8	24.3	23.2	22.9	22.5	22.5
25°	35.2	30.9	27.6	25.0	23.2	21.8	20.7	20.3	20.0	19.6
26°	34.1	29.8	26.5	24.0	22.1	20.7	20.0	19.2	18.9	18.9
27.5°	32.7	28.0	25.0	22.5	20.7	19.6	18.5	18.2	17.8	17.8
30°	29.4	25.4	22.5	20.3	18.9	17.4	16.7	16.3	16.0	16.0
32.5°	26.9	22.9	20.3	18.5	17.1	16.0	15.2	14.5	14.5	14.5
35°	24.3	20.7	18.5	16.7	15.2	14.2	13.8	13.4	13.1	13.1
37.5°	22.1	18.9	16.7	15.2	14.2	13.1	12.3	12.0	12.0	12.0
40°	20.0	17.4	15.2	13.8	12.7	12.0	11.3	10.9	10.9	10.9
42.5°	18.2	15.6	14.2	12.7	11.6	10.9	10.5	10.2	9.8	9.8
45°	16.7	14.5	12.7	11.6	10.9	10.2	9.4	9.1	9.1	9.1
47.5°	14.9	13.4	11.6	10.5	9.8	9.1	8.7	8.3	8.3	8.3
50°	13.8	12.3	10.9	9.8	9.1	8.3	8.0	7.6	7.6	7.6
52.5°	12.3	11.3	10.2	9.1	8.3	7.6	7.3	6.9	6.9	6.9
55°	11.3	10.2	9.1	8.3	7.6	6.9	6.5	6.2	6.2	6.2
57.5°	10.2	9.1	8.3	7.6	6.9	6.5	5.8	5.8	5.4	5.4
60°	9.1	8.0	7.3	6.9	6.2	5.8	5.1	4.7	4.7	4.7
62.5°	7.6	7.3	6.5	5.8	5.1	4.7	4.4	4.0	4.0	4.0
65°	6.5	6.2	5.4	4.7	4.4	4.0	3.6	3.3	3.3	3.3
67.5°	5.4	4.7	4.4	4.0	3.6	3.3	2.9	2.5	2.2	2.5
70°	4.0	3.6	3.3	2.9	2.5	2.2	1.8	1.8	1.5	1.5
72.5°	2.5	2.2	2.2	1.8	1.5	1.5	1.1	1.1	0.7	0.7
75°	1.5	1.5	1.1	1.1	0.7	0.7	0.4	0.4	0.4	0.4
77.5°	0.7	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	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	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)