

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: P#

Luminaire Tested: P3ART05R709830DE010 E3LSWW1WMH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
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: P3ART05R709830DE010 E3LSWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3LSWW1WMH TRIM
Light Source: -
Ballast/Driver: -

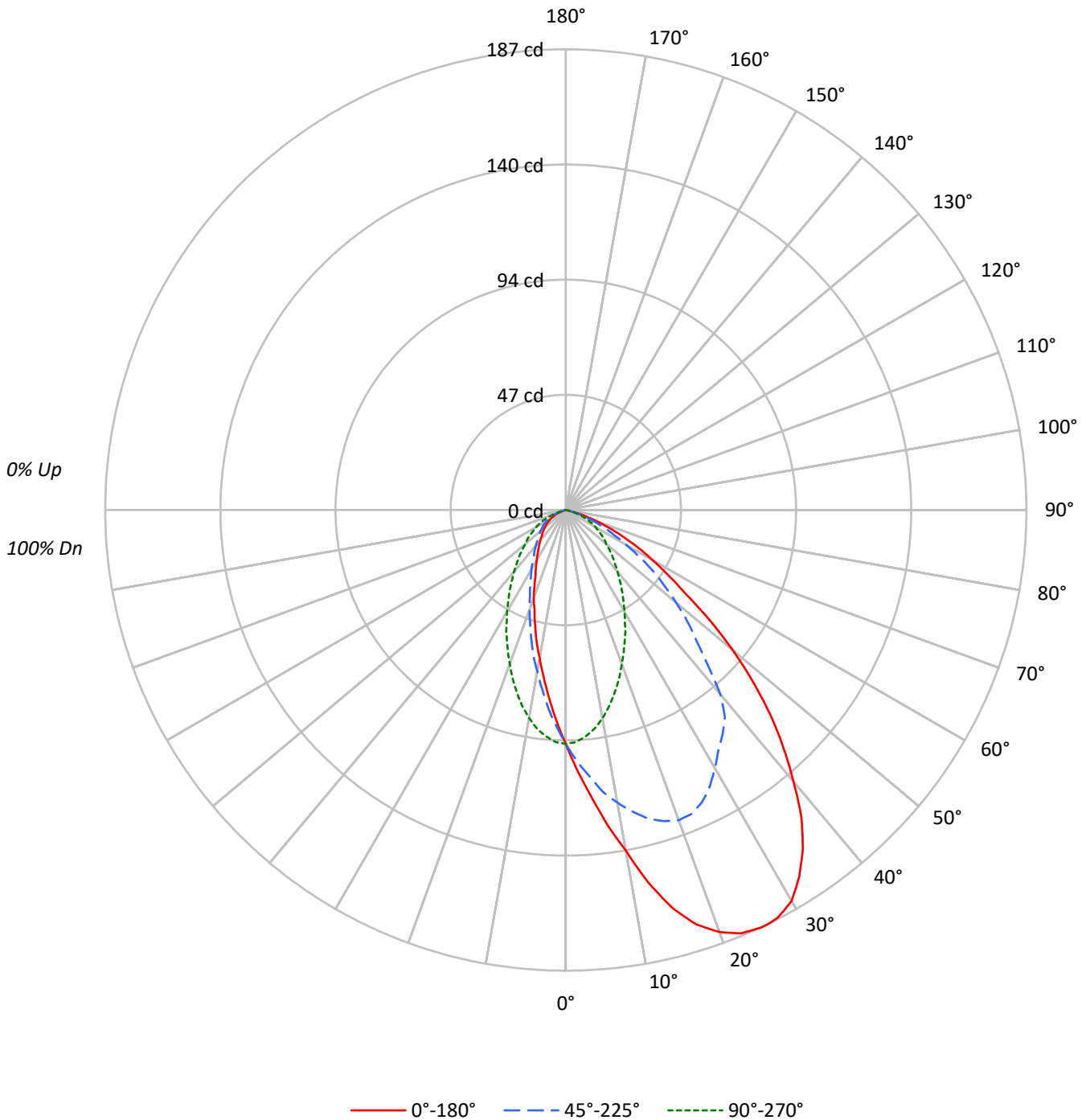
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 189.0 lumens
Efficiency: N/A
Efficacy: 26.3 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): 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		0	
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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20810	20810	20810	20810	20810
5°	25600	23839	20295	17808	16883
10°	31262	26853	19105	14807	13605
15°	37957	29444	17412	12282	10942
20°	42540	31269	15518	10011	8891
25°	45269	31647	13743	8299	6992
30°	46412	30663	12078	7064	5976
35°	44919	29714	10627	6023	5166
40°	41134	27938	9360	5382	4609
45°	36407	23258	8311	4993	4155
50°	30157	19923	7300	4571	3855
55°	22747	16592	6767	4320	3479
60°	17849	12455	6096	3991	3070
65°	13335	9184	5292	3321	2491
70°	8591	5834	3783	2436	1346
75°	3643	3219	1779	932	424
80°	631	631	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 36407 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	4.8
10°-20°	25.9	13.7
20°-30°	37.9	20.0
30°-40°	41.3	21.8
40°-50°	35.7	18.9
50°-60°	23.9	12.7
60°-70°	12.4	6.5
70°-80°	2.9	1.5
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°	72.8	38.5
0°-40°	114.1	60.3
0°-60°	173.7	91.9
0°-90°	189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	189.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	95	95	95	95	95	
5°	116	108	92	81	77	12
15°	167	130	77	54	48	47
25°	187	131	57	34	29	86
35°	168	111	40	22	19	104
45°	117	75	27	16	13	90
55°	60	43	18	11	9	55
65°	26	18	10	6	5	26
75°	4	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°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
2.5°	105.6	105.1	105.1	104.0	102.9	101.9	100.2	98.6	97.0	95.4	94.3
5°	116.3	116.9	116.3	114.2	111.5	108.3	105.1	101.3	97.6	94.3	92.2
7.5°	128.7	128.7	127.0	124.4	120.6	115.3	109.9	103.5	97.6	92.2	89.5
10°	140.4	140.4	137.8	133.5	127.6	120.6	113.1	104.5	96.5	89.0	85.8
12.5°	154.9	154.4	151.2	144.2	135.6	125.4	115.3	104.5	94.9	85.8	81.5
15°	167.2	166.7	162.4	153.8	142.6	129.7	115.8	103.5	91.7	81.5	76.7
17.5°	176.4	175.3	170.5	161.4	148.5	132.4	116.3	101.3	87.9	76.7	71.8
20°	182.3	181.7	176.4	165.6	151.7	134.0	115.8	98.6	84.2	71.8	66.5
22.5°	186.0	184.9	179.6	167.8	151.7	133.5	113.6	94.9	79.3	67.0	61.6
25°	187.1	186.5	180.1	167.2	150.1	130.8	110.4	91.1	74.5	62.2	56.8
26°	187.1	186.5	180.1	166.7	149.0	129.2	108.8	89.5	72.9	60.0	55.2
27.5°	186.5	186.0	179.0	165.1	146.9	126.5	105.6	86.3	69.7	57.4	52.0
30°	183.3	182.3	175.3	161.4	142.1	121.1	100.2	81.5	64.9	52.5	47.7
32.5°	176.4	175.3	167.8	154.9	136.7	115.3	94.3	76.1	60.0	47.7	43.4
35°	167.8	166.7	159.2	146.9	129.2	111.0	87.9	70.2	54.7	44.0	39.7
37.5°	157.1	155.5	149.0	136.2	120.1	106.1	82.6	64.3	49.9	39.7	35.9
40°	143.7	143.1	137.2	125.4	109.4	97.6	79.3	64.3	45.6	35.9	32.7
42.5°	130.8	129.7	124.4	114.2	99.7	85.2	69.7	61.6	42.3	32.2	29.5
45°	117.4	116.3	111.5	102.9	89.5	75.0	75.0	53.1	36.5	29.5	26.8
47.5°	102.9	101.9	98.1	91.7	79.9	67.0	54.7	43.4	33.2	26.3	24.1
50°	88.4	89.0	85.8	79.3	70.2	58.4	47.2	36.5	28.4	23.6	21.4
52.5°	74.0	73.4	71.3	67.0	60.6	50.4	40.2	31.1	24.7	20.9	19.8
55°	59.5	60.0	59.0	56.3	50.9	43.4	33.8	26.8	22.0	18.8	17.7
57.5°	49.3	49.9	47.7	46.1	41.8	35.4	27.9	22.5	18.8	16.6	15.5
60°	40.7	41.3	39.7	37.5	34.3	28.4	22.5	18.8	16.6	15.0	13.9
62.5°	33.2	32.7	31.6	29.5	26.8	22.5	18.2	15.5	13.9	12.9	12.3
65°	25.7	25.7	24.7	23.1	20.9	17.7	14.5	12.9	11.8	10.7	10.2
67.5°	19.3	19.3	18.2	17.2	15.0	12.9	11.3	10.2	9.6	8.6	8.0
70°	13.4	13.4	12.9	12.3	10.7	9.1	8.6	7.5	7.0	6.4	5.9
72.5°	8.6	8.6	8.6	7.5	7.0	5.9	5.9	5.4	4.8	4.3	4.3
75°	4.3	4.8	4.3	4.3	3.8	3.8	3.2	3.2	2.7	2.7	2.1
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.1	1.1	1.1	1.1	1.1
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
2.5°	93.3	91.7	90.6	89.0	87.9	86.8	86.3	85.8	85.8	85.8
5°	90.6	87.9	85.2	82.6	80.9	79.3	77.7	77.2	76.7	76.7
7.5°	87.4	83.1	79.3	76.1	73.4	71.8	70.2	69.2	68.6	68.6
10°	83.1	77.7	73.4	69.2	66.5	64.3	63.3	61.6	61.6	61.1
12.5°	78.3	71.8	67.0	63.3	60.6	57.9	56.3	55.2	54.7	54.7
15°	72.9	66.5	61.1	56.8	54.1	51.5	49.9	48.8	48.2	48.2
17.5°	67.5	60.6	55.2	50.9	48.2	45.6	44.0	42.9	42.9	42.3
20°	62.2	55.2	49.9	45.6	42.9	40.7	39.1	38.1	37.5	38.1
22.5°	57.4	50.4	45.0	41.3	38.1	35.9	34.3	33.8	33.2	33.2
25°	52.0	45.6	40.7	37.0	34.3	32.2	30.6	30.0	29.5	28.9
26°	50.4	44.0	39.1	35.4	32.7	30.6	29.5	28.4	27.9	27.9
27.5°	48.2	41.3	37.0	33.2	30.6	28.9	27.3	26.8	26.3	26.3
30°	43.4	37.5	33.2	30.0	27.9	25.7	24.7	24.1	23.6	23.6
32.5°	39.7	33.8	30.0	27.3	25.2	23.6	22.5	21.4	21.4	21.4
35°	35.9	30.6	27.3	24.7	22.5	20.9	20.4	19.8	19.3	19.3
37.5°	32.7	27.9	24.7	22.5	20.9	19.3	18.2	17.7	17.7	17.7
40°	29.5	25.7	22.5	20.4	18.8	17.7	16.6	16.1	16.1	16.1
42.5°	26.8	23.1	20.9	18.8	17.2	16.1	15.5	15.0	14.5	14.5
45°	24.7	21.4	18.8	17.2	16.1	15.0	13.9	13.4	13.4	13.4
47.5°	22.0	19.8	17.2	15.5	14.5	13.4	12.9	12.3	12.3	12.3
50°	20.4	18.2	16.1	14.5	13.4	12.3	11.8	11.3	11.3	11.3
52.5°	18.2	16.6	15.0	13.4	12.3	11.3	10.7	10.2	10.2	10.2
55°	16.6	15.0	13.4	12.3	11.3	10.2	9.6	9.1	9.1	9.1
57.5°	15.0	13.4	12.3	11.3	10.2	9.6	8.6	8.6	8.0	8.0
60°	13.4	11.8	10.7	10.2	9.1	8.6	7.5	7.0	7.0	7.0
62.5°	11.3	10.7	9.6	8.6	7.5	7.0	6.4	5.9	5.9	5.9
65°	9.6	9.1	8.0	7.0	6.4	5.9	5.4	4.8	4.8	4.8
67.5°	8.0	7.0	6.4	5.9	5.4	4.8	4.3	3.8	3.2	3.8
70°	5.9	5.4	4.8	4.3	3.8	3.2	2.7	2.7	2.1	2.1
72.5°	3.8	3.2	3.2	2.7	2.1	2.1	1.6	1.6	1.1	1.1
75°	2.1	2.1	1.6	1.6	1.1	1.1	0.5	0.5	0.5	0.5
77.5°	1.1	0.5	0.5	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)