

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: P3ART05R709840DE010 E3LCWW1WMH

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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART05R709840DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

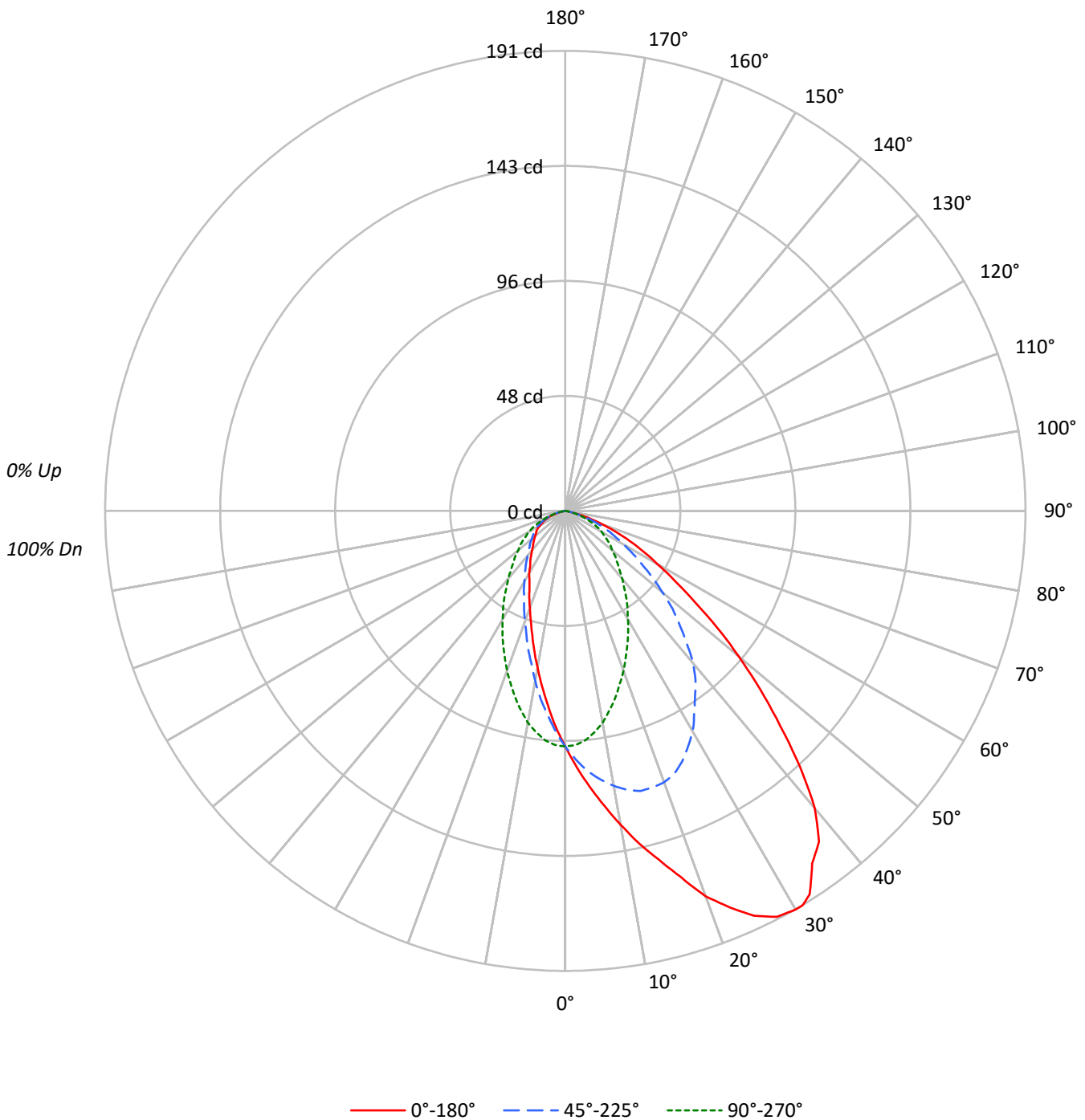
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 199.0 lumens
Efficiency: N/A
Efficacy: 27.6 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	78	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	68	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	60	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	53	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	47	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	43	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	39	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	35	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	32	32	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	21446	21446	21446	21446	21446
5°	25270	23905	21043	18666	17918
10°	29458	25807	19884	15987	14740
15°	34007	27333	18229	13485	12055
20°	39717	27979	16498	11341	10034
25°	44882	27776	14783	9702	8492
30°	48387	26764	13167	8584	7596
35°	47837	25136	11805	7710	6799
40°	46115	23644	10534	6956	6154
45°	39105	20870	9458	6481	5799
50°	32033	17944	8665	6175	5595
55°	24850	14910	8220	6040	5620
60°	19341	12411	7675	5964	5219
65°	15255	10273	6745	5552	4981
70°	10515	7629	5450	4744	4360
75°	5253	4321	3813	3389	2881
80°	758	1389	2147	1389	758
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39105 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	4.6
10°-20°	25.5	12.8
20°-30°	37.6	18.9
30°-40°	42.1	21.2
40°-50°	37.0	18.6
50°-60°	26.5	13.3
60°-70°	15.7	7.9
70°-80°	5.3	2.6
80°-90°	0.3	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°	72.2	36.3
0°-40°	114.3	57.4
0°-60°	177.8	89.3
0°-90°	199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	199.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	98	98	98	98	98	
5°	115	109	96	85	81	11
15°	150	120	80	59	53	43
25°	186	115	61	40	35	85
35°	179	94	44	29	25	112
45°	126	67	30	21	19	98
55°	65	39	22	16	15	59
65°	29	20	13	11	10	29
75°	6	5	4	4	3	8
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2.5°	106.3	106.3	106.3	105.2	105.2	103.5	102.3	100.6	99.5	97.8	97.3
5°	114.8	114.8	113.6	112.5	110.8	108.6	105.7	102.9	99.5	96.7	95.6
7.5°	123.3	123.8	122.1	119.9	116.5	112.5	108.6	104.0	98.9	95.0	92.7
10°	132.3	132.3	130.0	126.7	121.6	115.9	109.7	103.5	97.3	91.6	89.3
12.5°	141.4	140.8	138.0	132.9	126.7	118.7	110.3	102.3	95.0	88.2	84.8
15°	149.8	149.8	145.9	139.7	130.6	120.4	110.3	100.1	91.6	83.7	80.3
17.5°	159.4	159.4	154.4	144.7	133.4	120.4	108.6	97.3	87.6	79.2	75.2
20°	170.2	169.6	162.3	149.3	134.6	119.9	106.3	93.9	83.1	74.1	70.7
22.5°	178.1	177.5	169.1	153.2	135.1	118.2	102.3	89.3	78.6	69.5	65.6
25°	185.5	184.3	174.7	154.9	134.0	114.8	98.4	84.2	74.1	65.0	61.1
27.5°	190.0	189.4	178.7	154.4	131.2	110.3	93.3	79.7	69.0	59.9	56.5
30°	191.1	191.7	178.7	151.5	126.7	105.7	88.2	74.6	63.9	56.0	52.0
31°	191.1	191.7	177.5	149.8	125.0	103.5	85.9	72.9	61.6	53.7	50.3
32.5°	188.8	187.7	175.8	147.0	121.0	99.5	83.1	70.1	58.8	50.9	48.1
35°	178.7	179.2	170.2	140.8	115.3	93.9	77.5	64.5	53.7	46.9	44.1
37.5°	173.0	173.0	156.6	132.3	109.1	88.8	70.7	58.2	49.2	43.0	40.1
40°	161.1	159.4	144.2	123.3	101.8	82.6	66.7	54.3	45.2	39.0	36.8
42.5°	144.2	142.5	130.6	115.3	92.2	74.6	63.3	48.1	40.7	35.6	33.4
45°	126.1	125.0	115.9	101.8	83.1	67.3	54.8	44.1	37.3	32.2	30.5
47.5°	109.7	108.0	101.2	90.5	75.2	60.5	47.5	39.6	33.4	29.4	28.3
50°	93.9	93.3	87.6	79.2	66.7	52.6	41.8	35.1	30.5	27.1	25.4
52.5°	79.2	78.0	75.2	68.4	58.2	45.8	36.8	31.1	27.1	24.9	23.7
55°	65.0	65.0	62.2	57.7	49.8	39.0	32.2	27.7	24.3	22.6	21.5
57.5°	53.7	53.7	51.5	48.6	41.3	33.4	28.3	24.3	22.1	20.4	19.2
60°	44.1	44.1	42.4	39.6	34.5	28.3	24.3	21.5	19.8	18.1	17.5
62.5°	36.8	36.2	35.1	32.2	28.3	23.7	20.9	18.7	17.0	15.8	15.3
65°	29.4	28.8	27.7	25.4	22.6	19.8	17.5	15.8	14.7	13.6	13.0
67.5°	22.6	22.6	21.5	19.8	17.5	15.8	14.1	13.0	11.9	11.3	10.7
70°	16.4	16.4	15.8	14.7	13.0	11.9	10.7	10.2	9.6	9.0	8.5
72.5°	11.3	11.3	10.7	10.2	9.0	8.5	7.4	7.4	6.8	6.8	6.2
75°	6.2	6.2	6.2	5.7	5.7	5.1	5.1	5.1	4.5	4.5	4.5
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.7	1.7	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2.5°	96.7	95.0	93.9	93.3	91.6	91.0	90.5	89.9	89.9	89.9
5°	94.4	91.6	88.8	87.1	84.8	83.7	82.6	82.0	81.4	81.4
7.5°	90.5	87.1	83.7	80.9	78.6	76.3	75.2	74.1	74.1	73.5
10°	86.5	82.0	78.0	74.1	71.8	69.0	67.8	66.7	66.2	66.2
12.5°	82.0	76.3	71.8	68.4	65.0	62.8	61.1	59.9	59.4	59.4
15°	76.9	71.2	66.2	62.8	59.4	56.5	54.8	53.7	53.1	53.1
17.5°	71.8	66.2	60.5	57.1	53.7	50.9	49.8	48.6	48.1	47.5
20°	67.3	60.5	56.0	51.5	48.6	46.4	44.7	43.5	43.0	43.0
22.5°	62.2	56.0	50.9	47.5	44.7	42.4	40.1	39.6	39.0	39.0
25°	57.1	51.5	46.9	43.5	40.1	38.4	36.8	35.6	35.6	35.1
27.5°	53.1	47.5	43.0	39.6	37.3	35.1	33.9	32.8	32.2	32.2
30°	48.6	43.5	39.6	36.8	33.9	32.2	31.1	30.0	30.0	30.0
31°	47.5	42.4	38.4	35.1	32.8	31.1	30.0	29.4	28.8	28.8
32.5°	44.7	40.1	36.2	33.4	31.1	29.4	28.3	27.7	27.7	27.1
35°	41.3	36.8	33.4	30.5	28.8	27.1	26.0	25.4	25.4	25.4
37.5°	37.9	33.9	30.5	28.3	26.6	24.9	24.3	23.2	23.2	23.2
40°	34.5	31.1	28.3	26.0	24.3	23.2	22.6	22.1	21.5	21.5
42.5°	31.7	28.3	26.0	24.3	22.6	21.5	20.9	20.4	20.4	19.8
45°	28.8	26.0	24.3	22.6	20.9	20.4	19.8	19.2	18.7	18.7
47.5°	26.6	24.3	22.1	20.9	19.8	18.7	18.1	18.1	17.5	17.5
50°	24.3	22.1	20.4	19.2	18.1	17.5	17.0	17.0	16.4	16.4
52.5°	22.6	20.4	19.2	18.1	17.0	16.4	15.8	15.8	15.3	15.3
55°	20.4	18.7	17.5	17.0	15.8	15.3	14.7	14.1	14.1	14.7
57.5°	18.7	17.5	16.4	15.8	14.7	14.1	13.6	13.6	13.0	13.6
60°	17.0	15.8	14.7	14.1	13.6	13.0	12.4	11.9	11.9	11.9
62.5°	15.3	14.1	13.6	12.4	11.9	11.9	11.3	11.3	11.3	10.7
65°	13.0	12.4	11.9	11.3	10.7	10.2	10.2	9.6	9.6	9.6
67.5°	10.7	10.2	9.6	9.6	9.0	8.5	8.5	8.5	8.5	7.9
70°	8.5	7.9	7.9	7.4	7.4	7.4	6.8	6.8	6.8	6.8
72.5°	6.2	6.2	5.7	5.7	5.7	5.7	5.1	5.1	5.1	5.1
75°	4.5	4.5	4.5	4.0	4.0	4.0	3.4	3.4	3.4	3.4
77.5°	2.8	2.8	2.8	2.8	2.8	2.3	2.3	2.3	2.3	2.3
80°	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	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)