

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: P1446245

Luminaire Tested: P3ART02R709050DE010 E3LCWW1WMH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446245
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: P3ART02R709050DE010 E3LCWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LCWW1WMH TRIM
Light Source: -
Ballast/Driver: -

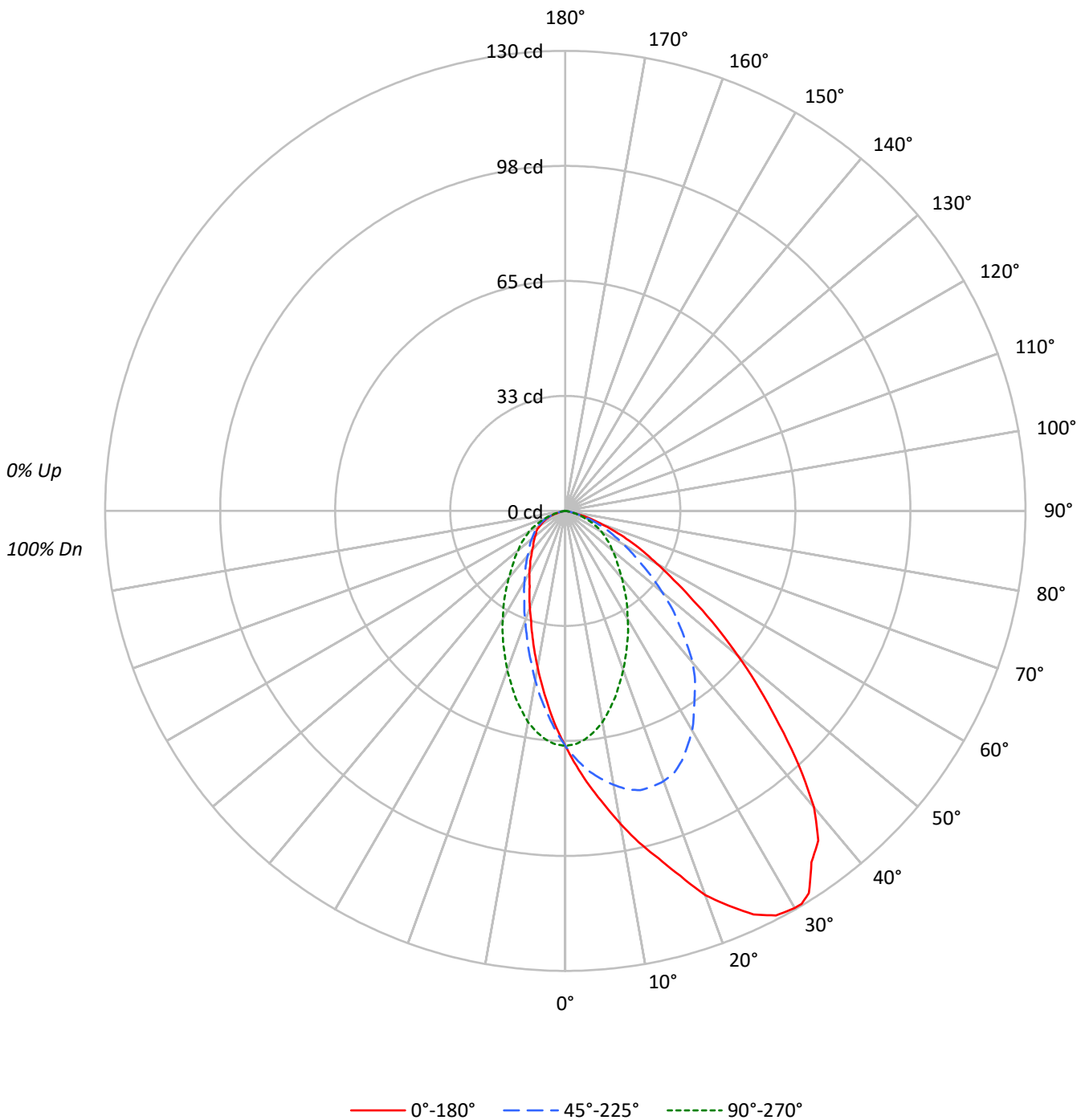
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 135.0 lumens
Efficiency: N/A
Efficacy: 37.5 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): 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

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14560	14560	14560	14560	14560
5°	17147	16201	14264	12657	12151
10°	19995	17501	13493	10844	9998
15°	23065	18547	12372	9149	8195
20°	26952	18972	11178	7701	6814
25°	30437	18848	10017	6581	5758
30°	32815	18155	8938	5824	5140
35°	32444	17052	8004	5247	4631
40°	31287	16030	7128	4723	4179
45°	26514	14141	6419	4404	3938
50°	21731	12179	5902	4196	3787
55°	16860	10131	5582	4091	3823
60°	13113	8420	5219	4035	3552
65°	10325	6953	4566	3788	3373
70°	7117	5193	3719	3206	2949
75°	3558	2965	2626	2288	1949
80°	505	1010	1515	1010	505
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26514 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	4.6
10°-20°	17.3	12.8
20°-30°	25.5	18.9
30°-40°	28.6	21.2
40°-50°	25.1	18.6
50°-60°	18.0	13.3
60°-70°	10.6	7.9
70°-80°	3.6	2.6
80°-90°	0.2	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°	49.0	36.3
0°-40°	77.5	57.4
0°-60°	120.6	89.3
0°-90°	135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	135.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	66	66	66	66	66	
5°	78	74	65	58	55	8
15°	102	82	54	40	36	29
25°	126	78	41	27	24	58
35°	121	64	30	20	17	76
45°	86	46	21	14	13	66
55°	44	26	15	11	10	40
65°	20	13	9	7	6	20
75°	4	4	3	3	2	5
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°	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
2.5°	72.1	72.1	72.1	71.3	71.3	70.2	69.4	68.3	67.5	66.4	66.0
5°	77.9	77.9	77.1	76.3	75.2	73.6	71.7	69.8	67.5	65.6	64.8
7.5°	83.6	84.0	82.9	81.3	79.0	76.3	73.6	70.6	67.1	64.4	62.9
10°	89.8	89.8	88.2	85.9	82.5	78.6	74.4	70.2	66.0	62.1	60.6
12.5°	95.9	95.5	93.6	90.1	85.9	80.6	74.8	69.4	64.4	59.8	57.5
15°	101.6	101.6	99.0	94.7	88.6	81.7	74.8	67.9	62.1	56.8	54.5
17.5°	108.2	108.2	104.7	98.2	90.5	81.7	73.6	66.0	59.5	53.7	51.0
20°	115.5	115.1	110.1	101.3	91.3	81.3	72.1	63.7	56.4	50.2	47.9
22.5°	120.8	120.4	114.7	103.9	91.7	80.2	69.4	60.6	53.3	47.2	44.5
25°	125.8	125.0	118.5	105.1	90.9	77.9	66.7	57.2	50.2	44.1	41.4
27.5°	128.9	128.5	121.2	104.7	89.0	74.8	63.3	54.1	46.8	40.7	38.4
30°	129.6	130.0	121.2	102.8	85.9	71.7	59.8	50.6	43.3	38.0	35.3
31°	129.6	130.0	120.4	101.6	84.8	70.2	58.3	49.5	41.8	36.4	34.1
32.5°	128.1	127.3	119.3	99.7	82.1	67.5	56.4	47.6	39.9	34.5	32.6
35°	121.2	121.6	115.5	95.5	78.2	63.7	52.5	43.7	36.4	31.8	29.9
37.5°	117.4	117.4	106.2	89.8	74.0	60.2	47.9	39.5	33.4	29.2	27.2
40°	109.3	108.2	97.8	83.6	69.0	56.0	45.3	36.8	30.7	26.5	24.9
42.5°	97.8	96.7	88.6	78.2	62.5	50.6	43.0	32.6	27.6	24.2	22.6
45°	85.5	84.8	78.6	69.0	56.4	45.6	37.2	29.9	25.3	21.9	20.7
47.5°	74.4	73.3	68.7	61.4	51.0	41.0	32.2	26.9	22.6	19.9	19.2
50°	63.7	63.3	59.5	53.7	45.3	35.7	28.4	23.8	20.7	18.4	17.3
52.5°	53.7	52.9	51.0	46.4	39.5	31.1	24.9	21.1	18.4	16.9	16.1
55°	44.1	44.1	42.2	39.1	33.8	26.5	21.9	18.8	16.5	15.3	14.6
57.5°	36.4	36.4	34.9	33.0	28.0	22.6	19.2	16.5	15.0	13.8	13.0
60°	29.9	29.9	28.8	26.9	23.4	19.2	16.5	14.6	13.4	12.3	11.9
62.5°	24.9	24.5	23.8	21.9	19.2	16.1	14.2	12.7	11.5	10.7	10.4
65°	19.9	19.6	18.8	17.3	15.3	13.4	11.9	10.7	10.0	9.2	8.8
67.5°	15.3	15.3	14.6	13.4	11.9	10.7	9.6	8.8	8.1	7.7	7.3
70°	11.1	11.1	10.7	10.0	8.8	8.1	7.3	6.9	6.5	6.1	5.8
72.5°	7.7	7.7	7.3	6.9	6.1	5.8	5.0	5.0	4.6	4.6	4.2
75°	4.2	4.2	4.2	3.8	3.8	3.5	3.5	3.5	3.1	3.1	3.1
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	1.2	1.2	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
2.5°	65.6	64.4	63.7	63.3	62.1	61.8	61.4	61.0	61.0	61.0
5°	64.1	62.1	60.2	59.1	57.5	56.8	56.0	55.6	55.2	55.2
7.5°	61.4	59.1	56.8	54.9	53.3	51.8	51.0	50.2	50.2	49.9
10°	58.7	55.6	52.9	50.2	48.7	46.8	46.0	45.3	44.9	44.9
12.5°	55.6	51.8	48.7	46.4	44.1	42.6	41.4	40.7	40.3	40.3
15°	52.2	48.3	44.9	42.6	40.3	38.4	37.2	36.4	36.1	36.1
17.5°	48.7	44.9	41.0	38.7	36.4	34.5	33.8	33.0	32.6	32.2
20°	45.6	41.0	38.0	34.9	33.0	31.5	30.3	29.5	29.2	29.2
22.5°	42.2	38.0	34.5	32.2	30.3	28.8	27.2	26.9	26.5	26.5
25°	38.7	34.9	31.8	29.5	27.2	26.1	24.9	24.2	24.2	23.8
27.5°	36.1	32.2	29.2	26.9	25.3	23.8	23.0	22.2	21.9	21.9
30°	33.0	29.5	26.9	24.9	23.0	21.9	21.1	20.3	20.3	20.3
31°	32.2	28.8	26.1	23.8	22.2	21.1	20.3	19.9	19.6	19.6
32.5°	30.3	27.2	24.5	22.6	21.1	19.9	19.2	18.8	18.8	18.4
35°	28.0	24.9	22.6	20.7	19.6	18.4	17.6	17.3	17.3	17.3
37.5°	25.7	23.0	20.7	19.2	18.0	16.9	16.5	15.7	15.7	15.7
40°	23.4	21.1	19.2	17.6	16.5	15.7	15.3	15.0	14.6	14.6
42.5°	21.5	19.2	17.6	16.5	15.3	14.6	14.2	13.8	13.8	13.4
45°	19.6	17.6	16.5	15.3	14.2	13.8	13.4	13.0	12.7	12.7
47.5°	18.0	16.5	15.0	14.2	13.4	12.7	12.3	12.3	11.9	11.9
50°	16.5	15.0	13.8	13.0	12.3	11.9	11.5	11.5	11.1	11.1
52.5°	15.3	13.8	13.0	12.3	11.5	11.1	10.7	10.7	10.4	10.4
55°	13.8	12.7	11.9	11.5	10.7	10.4	10.0	9.6	9.6	10.0
57.5°	12.7	11.9	11.1	10.7	10.0	9.6	9.2	9.2	8.8	9.2
60°	11.5	10.7	10.0	9.6	9.2	8.8	8.4	8.1	8.1	8.1
62.5°	10.4	9.6	9.2	8.4	8.1	8.1	7.7	7.7	7.7	7.3
65°	8.8	8.4	8.1	7.7	7.3	6.9	6.9	6.5	6.5	6.5
67.5°	7.3	6.9	6.5	6.5	6.1	5.8	5.8	5.8	5.8	5.4
70°	5.8	5.4	5.4	5.0	5.0	5.0	4.6	4.6	4.6	4.6
72.5°	4.2	4.2	3.8	3.8	3.8	3.8	3.5	3.5	3.5	3.5
75°	3.1	3.1	3.1	2.7	2.7	2.7	2.3	2.3	2.3	2.3
77.5°	1.9	1.9	1.9	1.9	1.9	1.5	1.5	1.5	1.5	1.5
80°	1.2	1.2	1.2	1.2	0.8	0.8	0.8	0.8	0.8	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	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)