

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: P3ART02R70B2750DE010 E3CLDWW1MW_3500K

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 (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART02R70B2750DE010 E3CLDWW1MW_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 80CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

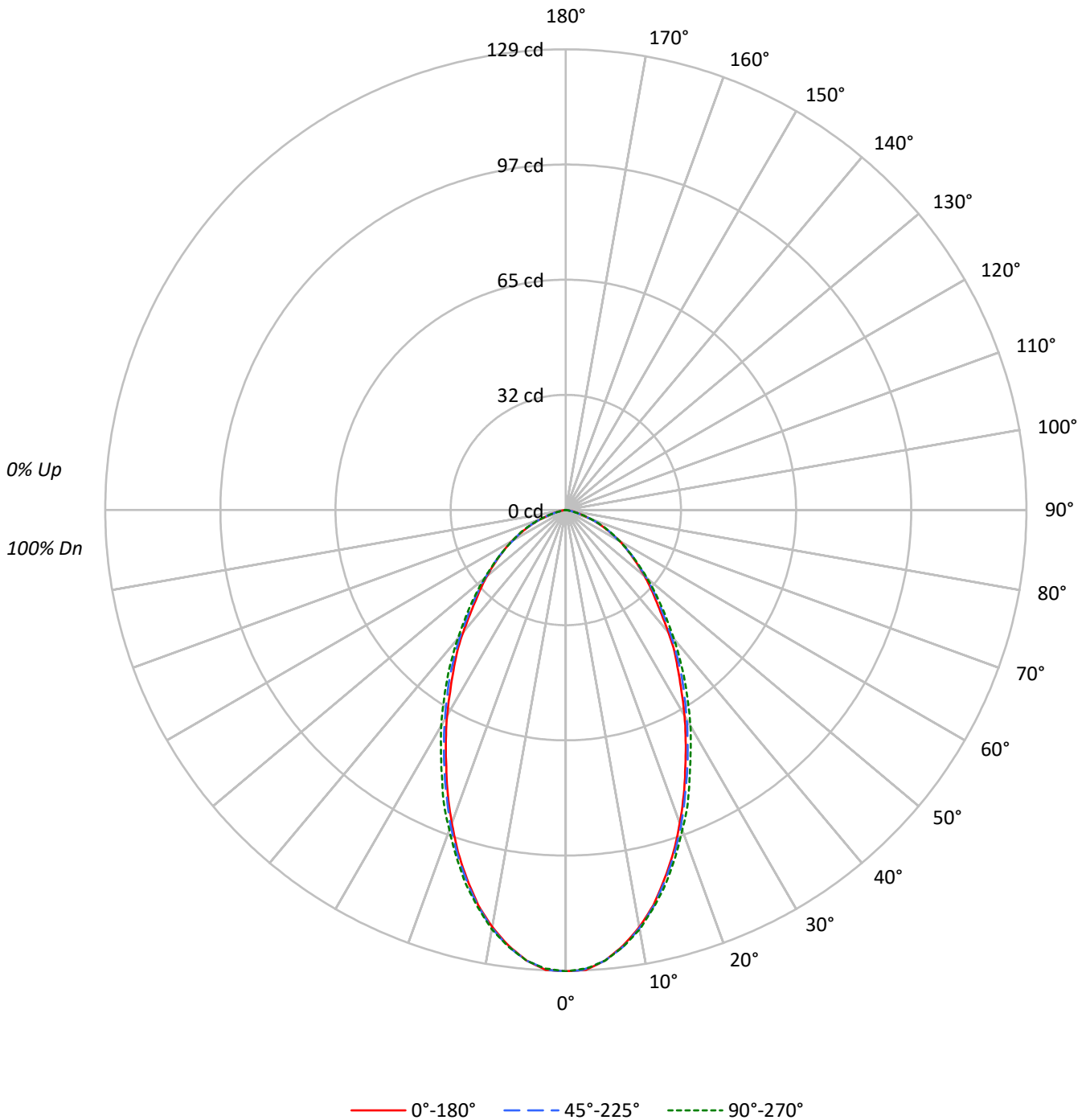
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 180.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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: P#
CATALOG NUMBER: P3ART02R70B2750DE010 E3CLDWW1MW_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART02R70B2750DE010 E3CLDWW1MW_3500K

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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	60	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28331	28331	28331
5°	27867	27867	27867
10°	26408	26475	26541
15°	24268	24382	24586
20°	21772	21982	22262
25°	19162	19453	19864
30°	16838	17142	17674
35°	14670	15125	15526
40°	12795	13139	13482
45°	11040	11412	11691
50°	9825	10030	10132
55°	8678	8793	8793
60°	7631	7499	7631
65°	6278	6434	6590
70°	4937	4937	5065
75°	3219	2965	2965
80°	1894	1515	1137
85°	755	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 11691 cd/sqm



TEST NUMBER: P#
 CATALOG NUMBER: P3ART02R70B2750DE010 E3CLDWW1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	6.6
10°-20°	30.0	16.7
20°-30°	37.0	20.6
30°-40°	35.3	19.6
40°-50°	28.5	15.8
50°-60°	20.6	11.4
60°-70°	12.3	6.8
70°-80°	4.1	2.3
80°-90°	0.4	0.2
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°	78.9	43.8
0°-40°	114.1	63.4
0°-60°	163.2	90.7
0°-90°	180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	180.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	129	129	129	129	129	
5°	127	127	127	127	127	12
15°	107	107	107	108	108	30
25°	79	80	80	82	82	36
35°	55	55	56	58	58	34
45°	36	36	37	37	38	28
55°	23	23	23	23	23	20
65°	12	12	12	13	13	12
75°	4	4	4	4	4	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART02R70B2750DE010 E3CLDWW1MW_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2
2°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.6
2.5°	128.9	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.9	128.6
5°	126.6	126.6	126.6	126.6	126.6	126.6	126.6	126.6	126.9	126.6	126.6
7.5°	123.0	123.0	123.0	123.0	123.3	123.3	123.3	123.3	123.6	123.6	123.3
10°	118.6	118.6	118.6	118.6	118.9	118.9	119.2	118.9	118.9	119.2	119.2
12.5°	113.3	113.0	113.0	113.0	113.3	113.6	113.6	113.6	113.9	113.9	113.9
15°	106.9	106.9	106.9	107.2	107.2	107.4	107.7	107.7	108.0	108.0	108.3
17.5°	100.4	100.4	100.1	100.4	100.7	101.0	101.3	101.6	101.9	101.9	101.9
20°	93.3	93.0	93.3	93.6	93.9	94.2	94.5	95.1	95.4	95.4	95.4
22.5°	86.3	86.0	86.3	86.5	86.8	87.1	88.0	88.3	88.6	88.6	89.2
25°	79.2	79.2	79.5	79.8	80.1	80.4	81.0	81.5	81.8	82.1	82.1
27.5°	72.7	72.7	72.7	72.7	73.3	73.9	74.5	75.1	75.4	75.7	75.7
30°	66.5	66.2	66.2	66.5	67.1	67.7	68.3	68.9	69.2	69.5	69.8
32.5°	60.3	60.3	60.3	60.6	60.9	61.8	62.4	62.7	63.3	63.6	63.6
35°	54.8	54.8	54.8	55.3	55.9	56.5	56.8	57.4	58.0	58.0	58.0
37.5°	50.0	50.3	50.9	50.6	50.6	50.9	51.2	51.8	52.4	52.4	52.4
40°	44.7	45.0	45.3	45.0	45.3	45.9	46.2	46.5	46.8	47.1	47.1
42.5°	39.7	39.7	39.7	40.0	40.6	40.9	41.5	41.8	42.1	42.1	42.1
45°	35.6	35.6	35.9	36.2	36.5	36.8	37.1	37.4	37.7	37.7	37.7
47.5°	32.1	32.1	32.4	32.4	32.7	33.0	33.3	33.3	33.6	33.9	33.6
50°	28.8	28.8	28.8	29.1	29.1	29.4	29.4	29.7	29.7	29.7	29.7
52.5°	25.6	25.6	25.6	25.6	25.9	25.9	25.9	26.2	26.2	26.2	26.2
55°	22.7	22.7	22.7	22.7	22.7	23.0	23.0	23.0	23.0	23.0	23.0
57.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
60°	17.4	17.4	17.4	17.4	17.4	17.1	17.4	17.4	17.4	17.4	17.4
62.5°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	15.0	15.0	15.0	15.0
65°	12.1	12.4	12.4	12.4	12.4	12.4	12.4	12.7	12.7	12.7	12.7
67.5°	9.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.3	10.3	10.3
70°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.9
72.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.6	5.6	5.6
75°	3.8	3.8	3.8	3.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	2.6	2.6	2.6	2.4	2.4	2.1	2.1	2.1	2.1	2.1	1.8
80°	1.5	1.5	1.5	1.5	1.5	1.2	1.2	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3	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

(END OF REPORT)