

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_2700K

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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

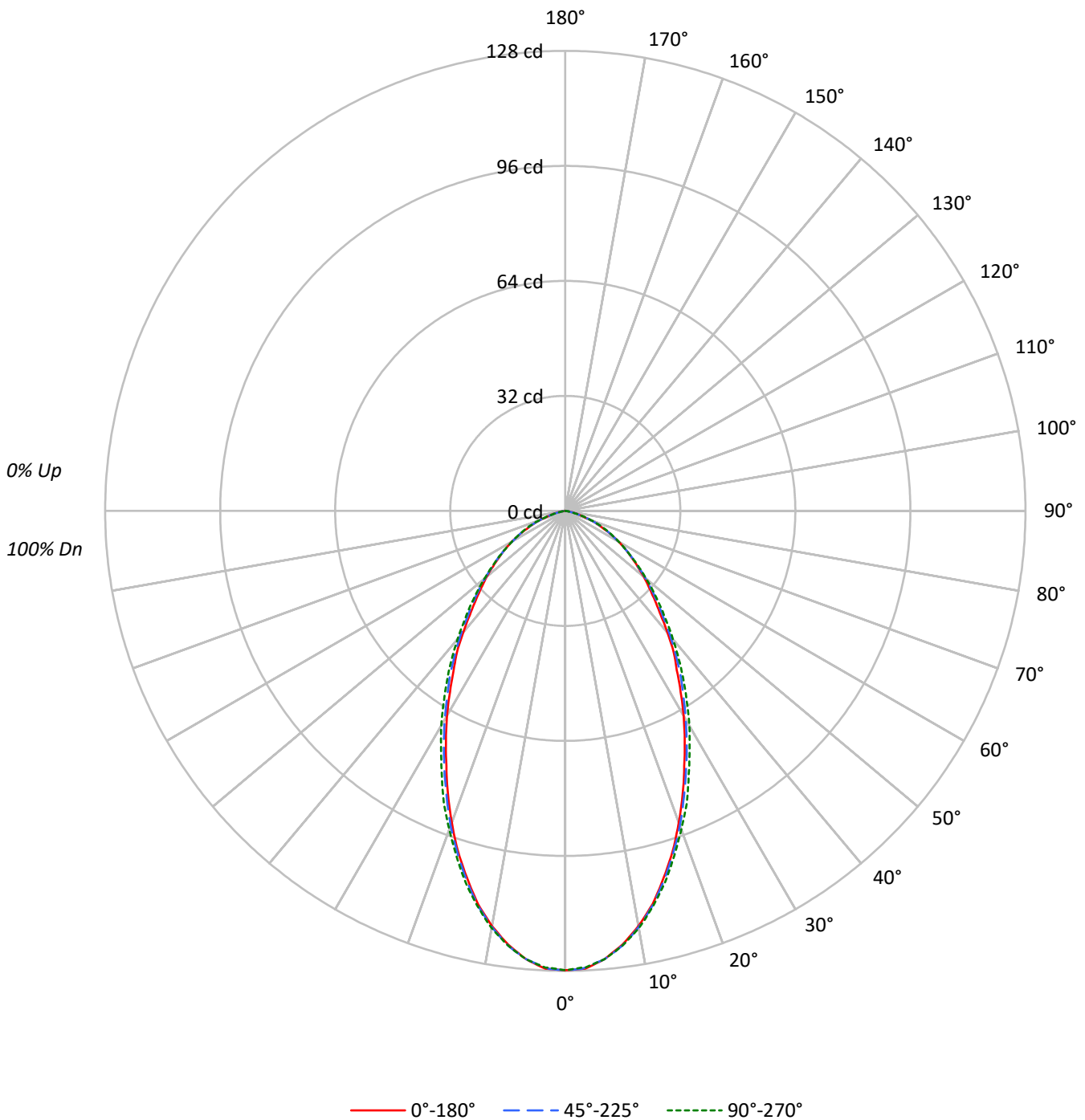
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 178.0 lumens
Efficiency: N/A
Efficacy: 61.4 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28024	28024	28024
5°	27559	27559	27559
10°	26118	26185	26252
15°	23996	24132	24313
20°	21539	21749	22005
25°	18945	19235	19646
30°	16661	16965	17471
35°	14482	14964	15339
40°	12652	12996	13339
45°	10916	11288	11567
50°	9722	9927	10030
55°	8564	8678	8678
60°	7543	7412	7543
65°	6174	6330	6486
70°	4873	4873	5065
75°	3219	2965	2965
80°	1894	1515	1137
85°	755	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 11567 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	6.6
10°-20°	29.7	16.7
20°-30°	36.6	20.6
30°-40°	34.9	19.6
40°-50°	28.2	15.9
50°-60°	20.3	11.4
60°-70°	12.2	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°	78.0	43.8
0°-40°	112.9	63.4
0°-60°	161.4	90.7
0°-90°	178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	178.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	128	128	128	128	128	
5°	125	125	125	125	125	12
15°	106	106	106	107	107	30
25°	78	79	80	81	81	36
35°	54	55	56	57	57	34
45°	35	36	36	37	37	27
55°	22	22	23	23	23	20
65°	12	12	12	12	12	12
75°	4	4	4	4	4	4
85°	0	0	0	0	0	1
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°	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8
2°	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.2
2.5°	127.5	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.2	127.5	127.2
5°	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.5	125.2	125.2
7.5°	121.7	121.7	121.7	121.7	122.0	122.0	122.0	122.0	122.3	122.3	122.0
10°	117.3	117.3	117.3	117.3	117.6	117.6	117.9	117.6	117.6	117.9	117.9
12.5°	112.1	111.8	111.8	111.8	112.1	112.4	112.4	112.4	112.7	112.7	112.7
15°	105.7	105.7	105.7	106.0	106.0	106.3	106.5	106.5	106.8	106.8	107.1
17.5°	99.3	99.3	99.0	99.3	99.6	99.8	100.1	100.4	100.7	100.7	100.7
20°	92.3	92.0	92.3	92.6	92.9	93.2	93.4	94.0	94.3	94.3	94.3
22.5°	85.3	85.0	85.3	85.6	85.9	86.2	87.0	87.3	87.6	87.6	88.2
25°	78.3	78.3	78.6	78.9	79.2	79.5	80.1	80.6	80.9	81.2	81.2
27.5°	71.9	71.9	71.9	71.9	72.5	73.1	73.6	74.2	74.5	74.8	74.8
30°	65.8	65.5	65.5	65.8	66.4	67.0	67.5	68.1	68.4	68.7	69.0
32.5°	59.7	59.7	59.7	60.0	60.3	61.1	61.7	62.0	62.6	62.9	62.9
35°	54.1	54.1	54.1	54.7	55.3	55.9	56.2	56.8	57.3	57.3	57.3
37.5°	49.5	49.8	50.4	50.1	50.1	50.4	50.7	51.2	51.8	51.8	51.8
40°	44.2	44.5	44.8	44.5	44.8	45.4	45.7	46.0	46.3	46.6	46.6
42.5°	39.3	39.3	39.3	39.6	40.2	40.5	41.0	41.3	41.6	41.6	41.6
45°	35.2	35.2	35.5	35.8	36.1	36.4	36.7	37.0	37.3	37.3	37.3
47.5°	31.7	31.7	32.0	32.0	32.3	32.6	32.9	32.9	33.2	33.5	33.2
50°	28.5	28.5	28.5	28.8	28.8	29.1	29.1	29.4	29.4	29.4	29.4
52.5°	25.3	25.3	25.3	25.3	25.6	25.6	25.6	25.9	25.9	25.9	25.9
55°	22.4	22.4	22.4	22.4	22.4	22.7	22.7	22.7	22.7	22.7	22.7
57.5°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
60°	17.2	17.2	17.2	17.2	17.2	16.9	17.2	17.2	17.2	17.2	17.2
62.5°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.8	14.8	14.8	14.8
65°	11.9	12.2	12.2	12.2	12.2	12.2	12.2	12.5	12.5	12.5	12.5
67.5°	9.6	9.9	9.9	9.9	9.9	9.9	9.9	9.9	10.2	10.2	10.2
70°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.9
72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5
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	2.3	2.3	2.0	2.0	2.0	2.0	2.0	1.7
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)