

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: P3ART09R70B2750DE010 E3CLDWW1MB_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: P3ART09R70B2750DE010 E3CLDWW1MB_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 80CRI , E3CLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 522.1 lumens
Efficiency: N/A
Efficacy: 39.9 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): 13.1
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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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	75	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	60	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°	82186	82186	82186
5°	80805	80805	80805
10°	76596	76797	76975
15°	70352	70738	71328
20°	63145	63752	64546
25°	55552	56398	57632
30°	48843	49704	51223
35°	42510	43875	45026
40°	37155	38129	39102
45°	32034	33089	33895
50°	28553	29133	29406
55°	25117	25461	25461
60°	22103	21709	22103
65°	18160	18627	19042
70°	14233	14233	14746
75°	9404	8642	8642
80°	5430	4293	3283
85°	2264	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 33895 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	6.6
10°-20°	87.0	16.7
20°-30°	107.3	20.6
30°-40°	102.3	19.6
40°-50°	82.8	15.9
50°-60°	59.6	11.4
60°-70°	35.7	6.8
70°-80°	12.0	2.3
80°-90°	1.0	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°	228.7	43.8
0°-40°	331.0	63.4
0°-60°	473.4	90.7
0°-90°	522.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	522.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	375	375	375	375	375	
5°	367	367	367	367	367	34
15°	310	310	312	313	314	87
25°	230	231	233	237	238	106
35°	159	160	164	167	168	100
45°	103	105	107	109	109	81
55°	66	66	67	67	67	59
65°	35	36	36	37	37	35
75°	11	11	10	10	10	12
85°	1	1	0	0	0	2
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°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8
2°	373.9	373.9	373.9	373.9	373.9	373.9	373.9	373.9	373.9	373.9	373.1
2.5°	373.9	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.9	373.1
5°	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.1	367.9	367.1	367.1
7.5°	356.8	356.8	356.8	356.8	357.7	357.7	357.7	357.7	358.6	358.6	357.7
10°	344.0	344.0	344.0	344.0	344.9	344.9	345.7	344.9	344.9	345.7	345.7
12.5°	328.7	327.8	327.8	327.8	328.7	329.5	329.5	329.5	330.4	330.4	330.4
15°	309.9	309.9	309.9	310.7	310.7	311.6	312.5	312.5	313.3	313.3	314.2
17.5°	291.1	291.1	290.3	291.1	292.0	292.8	293.7	294.5	295.4	295.4	295.4
20°	270.6	269.8	270.6	271.5	272.3	273.2	274.0	275.7	276.6	276.6	276.6
22.5°	250.1	249.3	250.1	251.0	251.8	252.7	255.3	256.1	257.0	257.0	258.7
25°	229.6	229.6	230.5	231.4	232.2	233.1	234.8	236.5	237.3	238.2	238.2
27.5°	210.9	210.9	210.9	210.9	212.6	214.3	216.0	217.7	218.5	219.4	219.4
30°	192.9	192.1	192.1	192.9	194.6	196.3	198.1	199.8	200.6	201.5	202.3
32.5°	175.0	175.0	175.0	175.9	176.7	179.3	181.0	181.8	183.5	184.4	184.4
35°	158.8	158.8	158.8	160.5	162.2	163.9	164.8	166.5	168.2	168.2	168.2
37.5°	145.1	146.0	147.7	146.8	146.8	147.7	148.5	150.3	152.0	152.0	152.0
40°	129.8	130.6	131.5	130.6	131.5	133.2	134.0	134.9	135.7	136.6	136.6
42.5°	115.2	115.2	115.2	116.1	117.8	118.7	120.4	121.2	122.1	122.1	122.1
45°	103.3	103.3	104.2	105.0	105.9	106.7	107.6	108.4	109.3	109.3	109.3
47.5°	93.1	93.1	93.9	93.9	94.8	95.6	96.5	96.5	97.3	98.2	97.3
50°	83.7	83.7	83.7	84.5	84.5	85.4	85.4	86.2	86.2	86.2	86.2
52.5°	74.3	74.3	74.3	74.3	75.1	75.1	75.1	76.0	76.0	76.0	76.0
55°	65.7	65.7	65.7	65.7	65.7	66.6	66.6	66.6	66.6	66.6	66.6
57.5°	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
60°	50.4	50.4	50.4	50.4	50.4	49.5	50.4	50.4	50.4	50.4	50.4
62.5°	42.7	42.7	42.7	42.7	42.7	42.7	42.7	43.5	43.5	43.5	43.5
65°	35.0	35.9	35.9	35.9	35.9	35.9	35.9	36.7	36.7	36.7	36.7
67.5°	28.2	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.9	29.9	29.9
70°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	23.0
72.5°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	16.2	16.2	16.2
75°	11.1	11.1	11.1	11.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2
77.5°	7.7	7.7	7.7	6.8	6.8	6.0	6.0	6.0	6.0	6.0	5.1
80°	4.3	4.3	4.3	4.3	4.3	3.4	3.4	2.6	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	1.7	1.7	1.7	1.7	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	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)