

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: P3ART05R70B2750DE010 E3CLDWW1MW_3000K

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: P3ART05R70B2750DE010 E3CLDWW1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

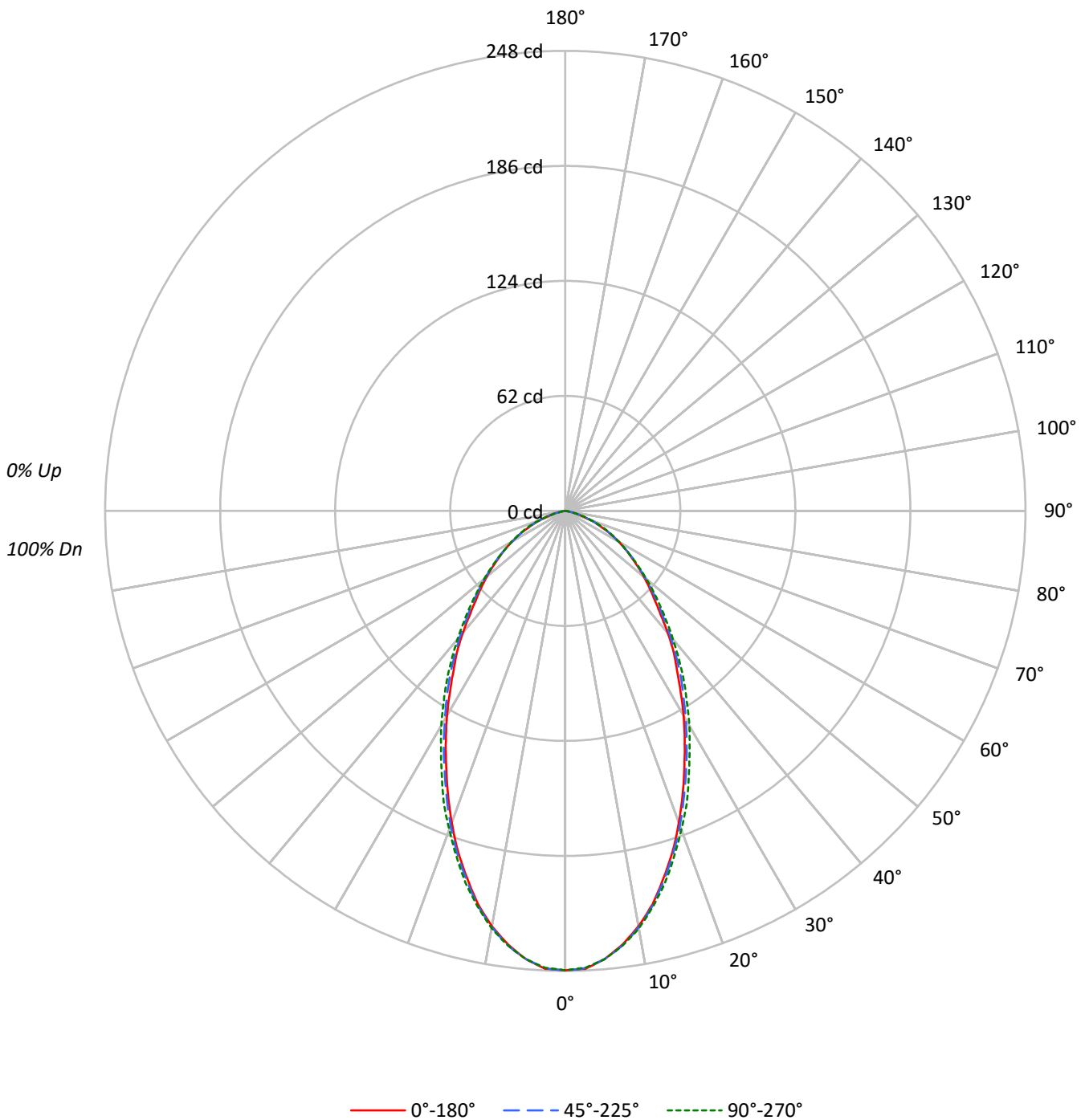
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 345.0 lumens
Efficiency: N/A
Efficacy: 58.5 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): 5.9
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	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°	54316	54316	54316
5°	53401	53401	53401
10°	50634	50745	50879
15°	46493	46743	47129
20°	41747	42144	42657
25°	36728	37260	38083
30°	32283	32866	33853
35°	28081	28991	29767
40°	24560	25190	25848
45°	21180	21863	22390
50°	18865	19240	19445
55°	16592	16821	16821
60°	14604	14341	14604
65°	11986	12297	12608
70°	9425	9425	9745
75°	6185	5761	5761
80°	3536	2904	2147
85°	1510	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 22390 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.7	6.6
10°-20°	57.5	16.7
20°-30°	70.9	20.6
30°-40°	67.6	19.6
40°-50°	54.7	15.9
50°-60°	39.4	11.4
60°-70°	23.6	6.8
70°-80°	7.9	2.3
80°-90°	0.7	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°	151.2	43.8
0°-40°	218.8	63.4
0°-60°	312.9	90.7
0°-90°	345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	345.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	248	248	248	248	248	
5°	243	243	243	243	243	23
15°	205	205	206	207	208	57
25°	152	153	154	156	157	70
35°	105	106	108	110	111	66
45°	68	69	70	72	72	53
55°	43	43	44	44	44	39
65°	23	24	24	24	24	23
75°	7	7	7	7	7	8
85°	1	1	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°	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7	247.7
2°	247.1	247.1	247.1	247.1	247.1	247.1	247.1	247.1	247.1	247.1	246.6
2.5°	247.1	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6	247.1	246.6
5°	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	243.2	242.6	242.6
7.5°	235.8	235.8	235.8	235.8	236.4	236.4	236.4	236.4	237.0	237.0	236.4
10°	227.4	227.4	227.4	227.4	227.9	227.9	228.5	227.9	227.9	228.5	228.5
12.5°	217.2	216.7	216.7	216.7	217.2	217.8	217.8	217.8	218.4	218.4	218.4
15°	204.8	204.8	204.8	205.4	205.4	205.9	206.5	206.5	207.1	207.1	207.6
17.5°	192.4	192.4	191.8	192.4	193.0	193.5	194.1	194.7	195.2	195.2	195.2
20°	178.9	178.3	178.9	179.4	180.0	180.6	181.1	182.2	182.8	182.8	182.8
22.5°	165.3	164.8	165.3	165.9	166.4	167.0	168.7	169.3	169.8	169.8	171.0
25°	151.8	151.8	152.3	152.9	153.5	154.0	155.2	156.3	156.9	157.4	157.4
27.5°	139.4	139.4	139.4	139.4	140.5	141.6	142.7	143.9	144.4	145.0	145.0
30°	127.5	127.0	127.0	127.5	128.6	129.8	130.9	132.0	132.6	133.2	133.7
32.5°	115.7	115.7	115.7	116.2	116.8	118.5	119.6	120.2	121.3	121.9	121.9
35°	104.9	104.9	104.9	106.1	107.2	108.3	108.9	110.0	111.2	111.2	111.2
37.5°	95.9	96.5	97.6	97.0	97.0	97.6	98.2	99.3	100.4	100.4	100.4
40°	85.8	86.3	86.9	86.3	86.9	88.0	88.6	89.1	89.7	90.3	90.3
42.5°	76.2	76.2	76.2	76.7	77.9	78.4	79.6	80.1	80.7	80.7	80.7
45°	68.3	68.3	68.8	69.4	70.0	70.5	71.1	71.7	72.2	72.2	72.2
47.5°	61.5	61.5	62.1	62.1	62.6	63.2	63.8	63.8	64.3	64.9	64.3
50°	55.3	55.3	55.3	55.9	55.9	56.4	56.4	57.0	57.0	57.0	57.0
52.5°	49.1	49.1	49.1	49.1	49.7	49.7	49.7	50.2	50.2	50.2	50.2
55°	43.4	43.4	43.4	43.4	43.4	44.0	44.0	44.0	44.0	44.0	44.0
57.5°	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
60°	33.3	33.3	33.3	33.3	33.3	32.7	33.3	33.3	33.3	33.3	33.3
62.5°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.8	28.8	28.8	28.8
65°	23.1	23.7	23.7	23.7	23.7	23.7	23.7	24.3	24.3	24.3	24.3
67.5°	18.6	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.7	19.7	19.7
70°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	15.2
72.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.7	10.7	10.7
75°	7.3	7.3	7.3	7.3	6.8	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	5.1	5.1	5.1	4.5	4.5	3.9	3.9	3.9	3.9	3.9	3.4
80°	2.8	2.8	2.8	2.8	2.8	2.3	2.3	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.1	1.1	1.1	1.1	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	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)