

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_4000K

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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 80CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

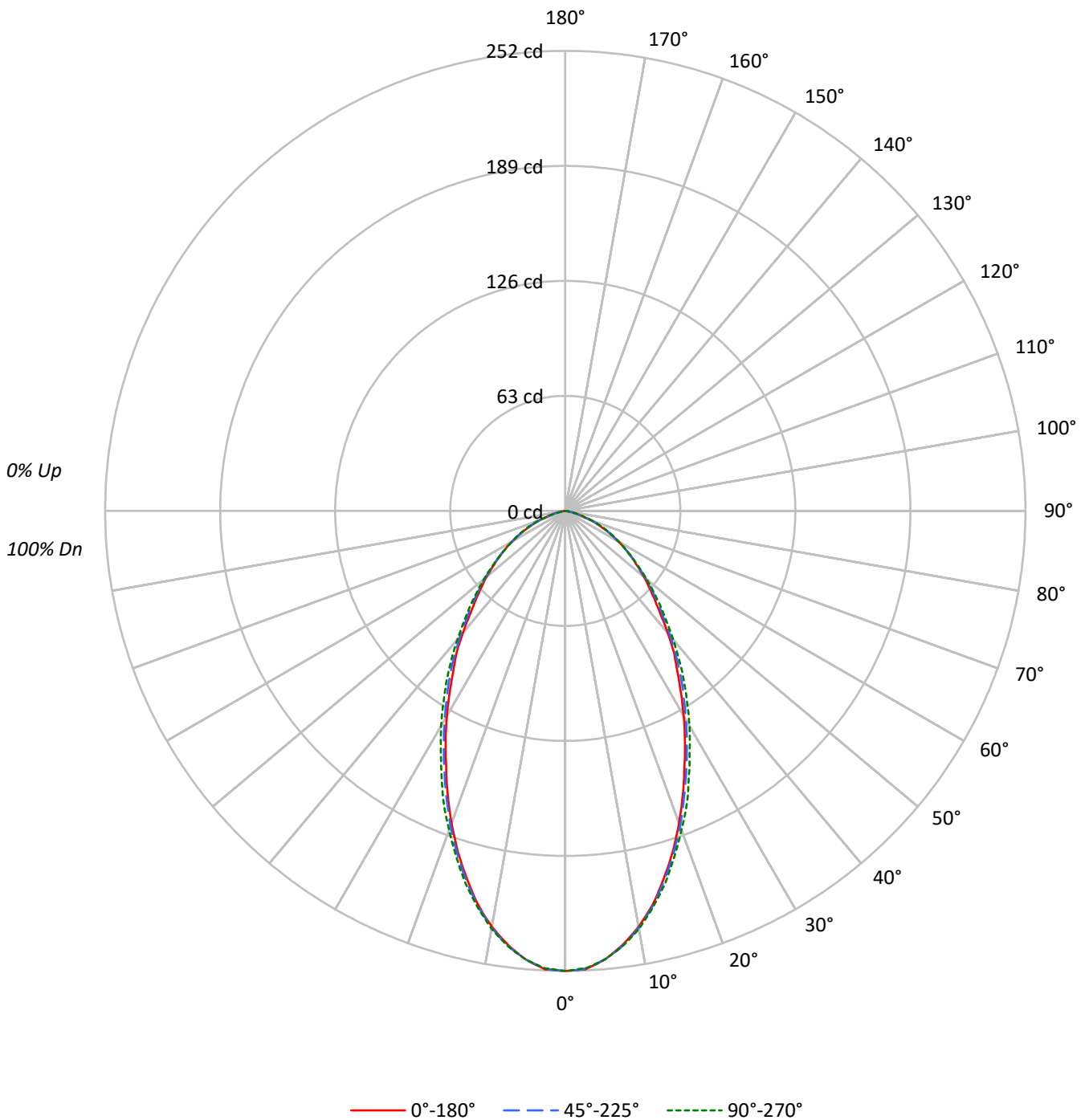
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 351.0 lumens
Efficiency: N/A
Efficacy: 59.5 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	55259	55259	55259
5°	54325	54325	54325
10°	51502	51636	51769
15°	47310	47560	47946
20°	42470	42867	43404
25°	37357	37913	38760
30°	32840	33423	34436
35°	28590	29500	30276
40°	24990	25619	26278
45°	21553	22266	22793
50°	19206	19581	19786
55°	16898	17127	17127
60°	14867	14604	14867
65°	12193	12505	12816
70°	9553	9553	9938
75°	6354	5846	5846
80°	3662	2904	2147
85°	1510	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 22793 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.1	6.6
10°-20°	58.5	16.7
20°-30°	72.2	20.6
30°-40°	68.8	19.6
40°-50°	55.6	15.9
50°-60°	40.1	11.4
60°-70°	24.0	6.8
70°-80°	8.0	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°	153.8	43.8
0°-40°	222.6	63.4
0°-60°	318.3	90.7
0°-90°	351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	351.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	252	252	252	252	252	
5°	247	247	247	247	247	23
15°	208	209	210	210	211	58
25°	154	155	157	159	160	71
35°	107	108	110	112	113	67
45°	70	70	72	73	74	54
55°	44	44	45	45	45	40
65°	24	24	24	25	25	24
75°	8	8	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°	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0
2°	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	250.9
2.5°	251.4	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	251.4	250.9
5°	246.8	246.8	246.8	246.8	246.8	246.8	246.8	246.8	247.4	246.8	246.8
7.5°	239.9	239.9	239.9	239.9	240.5	240.5	240.5	240.5	241.1	241.1	240.5
10°	231.3	231.3	231.3	231.3	231.9	231.9	232.5	231.9	231.9	232.5	232.5
12.5°	221.0	220.4	220.4	220.4	221.0	221.6	221.6	221.6	222.2	222.2	222.2
15°	208.4	208.4	208.4	208.9	208.9	209.5	210.1	210.1	210.7	210.7	211.2
17.5°	195.7	195.7	195.2	195.7	196.3	196.9	197.5	198.0	198.6	198.6	198.6
20°	182.0	181.4	182.0	182.5	183.1	183.7	184.3	185.4	186.0	186.0	186.0
22.5°	168.2	167.6	168.2	168.8	169.3	169.9	171.6	172.2	172.8	172.8	173.9
25°	154.4	154.4	155.0	155.6	156.1	156.7	157.9	159.0	159.6	160.2	160.2
27.5°	141.8	141.8	141.8	141.8	142.9	144.1	145.2	146.4	147.0	147.5	147.5
30°	129.7	129.2	129.2	129.7	130.9	132.0	133.2	134.3	134.9	135.5	136.0
32.5°	117.7	117.7	117.7	118.3	118.8	120.5	121.7	122.3	123.4	124.0	124.0
35°	106.8	106.8	106.8	107.9	109.1	110.2	110.8	111.9	113.1	113.1	113.1
37.5°	97.6	98.2	99.3	98.7	98.7	99.3	99.9	101.0	102.2	102.2	102.2
40°	87.3	87.8	88.4	87.8	88.4	89.5	90.1	90.7	91.3	91.8	91.8
42.5°	77.5	77.5	77.5	78.1	79.2	79.8	80.9	81.5	82.1	82.1	82.1
45°	69.5	69.5	70.0	70.6	71.2	71.8	72.3	72.9	73.5	73.5	73.5
47.5°	62.6	62.6	63.1	63.1	63.7	64.3	64.9	64.9	65.4	66.0	65.4
50°	56.3	56.3	56.3	56.8	56.8	57.4	57.4	58.0	58.0	58.0	58.0
52.5°	49.9	49.9	49.9	49.9	50.5	50.5	50.5	51.1	51.1	51.1	51.1
55°	44.2	44.2	44.2	44.2	44.2	44.8	44.8	44.8	44.8	44.8	44.8
57.5°	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
60°	33.9	33.9	33.9	33.9	33.9	33.3	33.9	33.9	33.9	33.9	33.9
62.5°	28.7	28.7	28.7	28.7	28.7	28.7	28.7	29.3	29.3	29.3	29.3
65°	23.5	24.1	24.1	24.1	24.1	24.1	24.1	24.7	24.7	24.7	24.7
67.5°	18.9	19.5	19.5	19.5	19.5	19.5	19.5	19.5	20.1	20.1	20.1
70°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	15.5
72.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.9	10.9	10.9
75°	7.5	7.5	7.5	7.5	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	5.2	5.2	5.2	4.6	4.6	4.0	4.0	4.0	4.0	4.0	3.4
80°	2.9	2.9	2.9	2.9	2.9	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)