

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 E3CLDWW1MB_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: P3ART05R70B2750DE010 E3CLDWW1MB_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

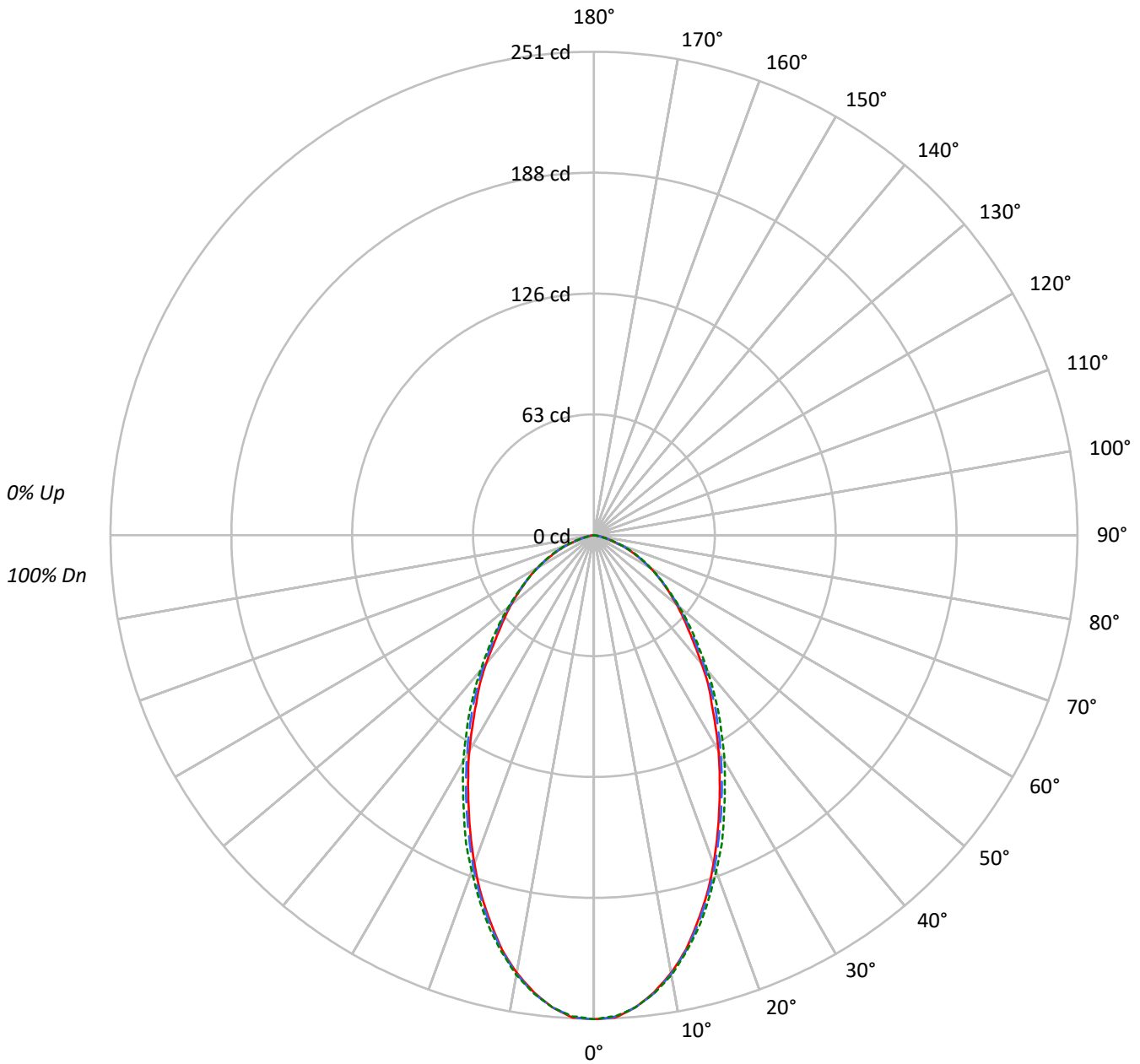
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 350.0 lumens
Efficiency: N/A
Efficacy: 59.3 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



— 0°-180° - - 45°-225° - - - 90°-270°



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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°	55105	55105	55105
5°	54171	54171	54171
10°	51368	51480	51613
15°	47174	47424	47810
20°	42354	42750	43287
25°	37260	37817	38639
30°	32765	33347	34360
35°	28509	29419	30196
40°	24904	25562	26221
45°	21491	22204	22731
50°	19138	19513	19718
55°	16860	17051	17051
60°	14823	14560	14823
65°	12193	12453	12764
70°	9553	9553	9938
75°	6270	5846	5846
80°	3662	2904	2147
85°	1510	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 22731 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	6.6
10°-20°	58.4	16.7
20°-30°	72.0	20.6
30°-40°	68.6	19.6
40°-50°	55.5	15.9
50°-60°	40.0	11.4
60°-70°	23.9	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°	153.3	43.8
0°-40°	221.9	63.4
0°-60°	317.4	90.7
0°-90°	350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	350.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	251	251	251	251	251	
5°	246	246	246	246	246	23
15°	208	208	209	210	211	58
25°	154	155	156	159	160	71
35°	106	107	110	112	113	67
45°	69	70	72	73	73	54
55°	44	44	45	45	45	40
65°	24	24	24	25	25	24
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°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3
2°	250.7	250.7	250.7	250.7	250.7	250.7	250.7	250.7	250.7	250.7	250.1
2.5°	250.7	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.7	250.1
5°	246.1	246.1	246.1	246.1	246.1	246.1	246.1	246.1	246.7	246.1	246.1
7.5°	239.3	239.3	239.3	239.3	239.8	239.8	239.8	239.8	240.4	240.4	239.8
10°	230.7	230.7	230.7	230.7	231.2	231.2	231.8	231.2	231.2	231.8	231.8
12.5°	220.4	219.8	219.8	219.8	220.4	220.9	220.9	220.9	221.5	221.5	221.5
15°	207.8	207.8	207.8	208.4	208.4	208.9	209.5	209.5	210.1	210.1	210.6
17.5°	195.2	195.2	194.6	195.2	195.8	196.3	196.9	197.5	198.1	198.1	198.1
20°	181.5	180.9	181.5	182.0	182.6	183.2	183.7	184.9	185.5	185.5	185.5
22.5°	167.7	167.1	167.7	168.3	168.9	169.4	171.1	171.7	172.3	172.3	173.4
25°	154.0	154.0	154.5	155.1	155.7	156.3	157.4	158.6	159.1	159.7	159.7
27.5°	141.4	141.4	141.4	141.4	142.5	143.7	144.8	146.0	146.5	147.1	147.1
30°	129.4	128.8	128.8	129.4	130.5	131.7	132.8	133.9	134.5	135.1	135.7
32.5°	117.3	117.3	117.3	117.9	118.5	120.2	121.3	121.9	123.1	123.6	123.6
35°	106.5	106.5	106.5	107.6	108.8	109.9	110.5	111.6	112.8	112.8	112.8
37.5°	97.3	97.9	99.0	98.5	98.5	99.0	99.6	100.7	101.9	101.9	101.9
40°	87.0	87.6	88.1	87.6	88.1	89.3	89.9	90.4	91.0	91.6	91.6
42.5°	77.3	77.3	77.3	77.8	79.0	79.6	80.7	81.3	81.9	81.9	81.9
45°	69.3	69.3	69.8	70.4	71.0	71.6	72.1	72.7	73.3	73.3	73.3
47.5°	62.4	62.4	63.0	63.0	63.5	64.1	64.7	64.7	65.3	65.8	65.3
50°	56.1	56.1	56.1	56.7	56.7	57.2	57.2	57.8	57.8	57.8	57.8
52.5°	49.8	49.8	49.8	49.8	50.4	50.4	50.4	50.9	50.9	50.9	50.9
55°	44.1	44.1	44.1	44.1	44.1	44.6	44.6	44.6	44.6	44.6	44.6
57.5°	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
60°	33.8	33.8	33.8	33.8	33.8	33.2	33.8	33.8	33.8	33.8	33.8
62.5°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	29.2	29.2	29.2	29.2
65°	23.5	24.0	24.0	24.0	24.0	24.0	24.0	24.6	24.6	24.6	24.6
67.5°	18.9	19.5	19.5	19.5	19.5	19.5	19.5	19.5	20.0	20.0	20.0
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°	7.4	7.4	7.4	7.4	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)