

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: P3ART13R70B2750DE010 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: P3ART13R70B2750DE010 E3CLDWW1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

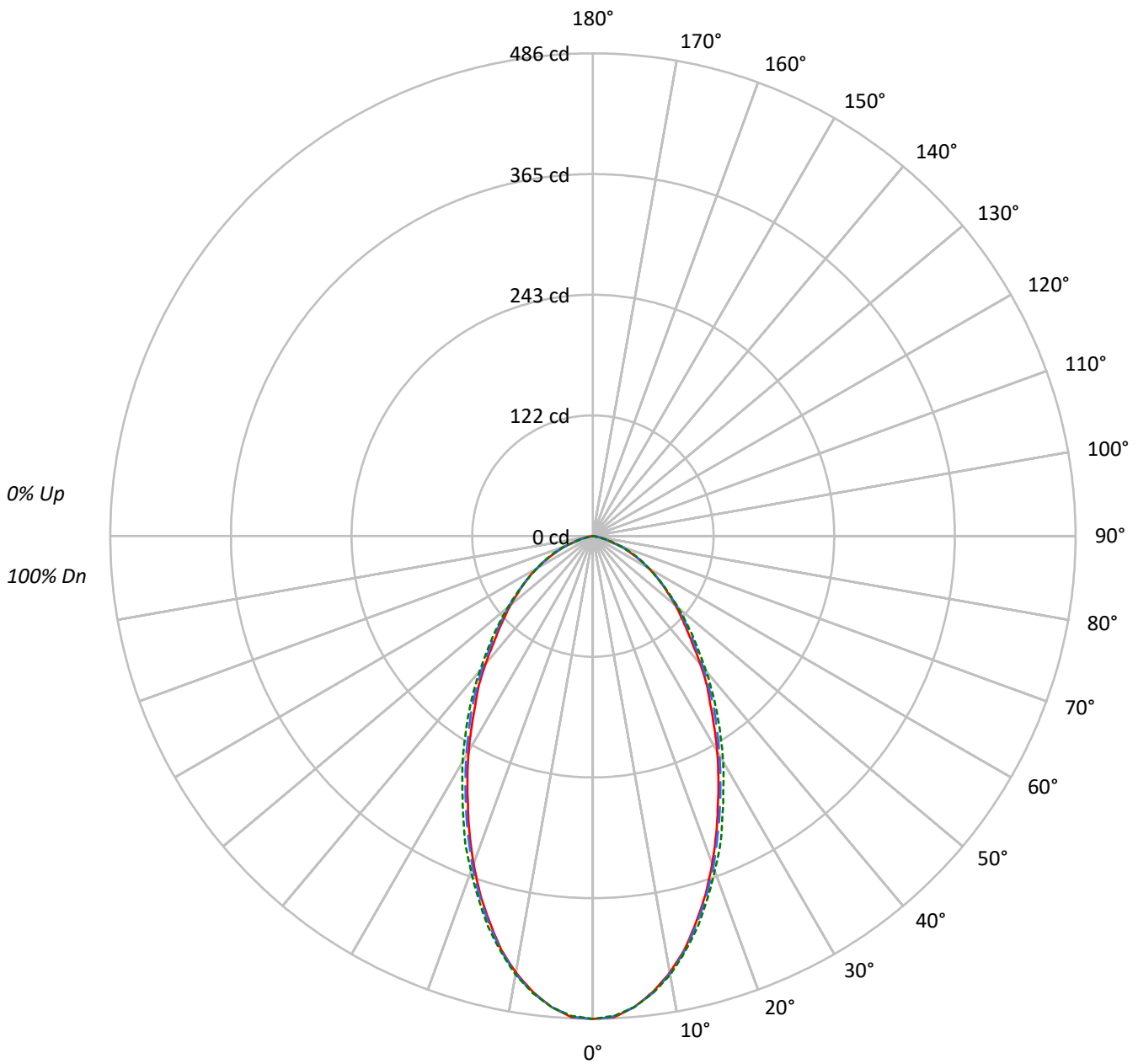
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 677.0 lumens
Efficiency: N/A
Efficacy: 35.4 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): 19.1
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

TEST NUMBER: P#
CATALOG NUMBER: P3ART13R70B2750DE010 E3CLDWW1MW_2700K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P#

CATALOG NUMBER: P3ART13R70B2750DE010 E3CLDWW1MW_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	106592	106592	106592
5°	104798	104798	104798
10°	99352	99597	99842
15°	91238	91737	92486
20°	81907	82677	83704
25°	72053	73141	74738
30°	63352	64491	66441
35°	55118	56911	58384
40°	48176	49435	50695
45°	41555	42919	43943
50°	37014	37764	38139
55°	32611	33031	33031
60°	28638	28156	28638
65°	23556	24127	24698
70°	18465	18465	19170
75°	12200	11268	11268
80°	6945	5556	4167
85°	2768	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 43943 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART13R70B2750DE010 E3CLDWW1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	6.6
10°-20°	112.9	16.7
20°-30°	139.2	20.6
30°-40°	132.7	19.6
40°-50°	107.3	15.9
50°-60°	77.3	11.4
60°-70°	46.3	6.8
70°-80°	15.5	2.3
80°-90°	1.3	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°	296.6	43.8
0°-40°	429.3	63.4
0°-60°	613.9	90.7
0°-90°	677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	677.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	486	486	486	486	486	
5°	476	476	476	476	476	44
15°	402	403	404	405	407	112
25°	298	300	302	307	309	137
35°	206	208	213	216	218	129
45°	134	136	138	141	142	104
55°	85	85	86	86	86	77
65°	45	46	46	48	48	46
75°	14	14	13	13	13	16
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70B2750DE010 E3CLDWW1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	486.1	486.1	486.1	486.1	486.1	486.1	486.1	486.1	486.1	486.1	486.1
2°	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	483.8
2.5°	484.9	483.8	483.8	483.8	483.8	483.8	483.8	483.8	483.8	484.9	483.8
5°	476.1	476.1	476.1	476.1	476.1	476.1	476.1	476.1	477.2	476.1	476.1
7.5°	462.8	462.8	462.8	462.8	463.9	463.9	463.9	463.9	465.0	465.0	463.9
10°	446.2	446.2	446.2	446.2	447.3	447.3	448.4	447.3	447.3	448.4	448.4
12.5°	426.3	425.2	425.2	425.2	426.3	427.4	427.4	427.4	428.5	428.5	428.5
15°	401.9	401.9	401.9	403.0	403.0	404.1	405.2	405.2	406.3	406.3	407.4
17.5°	377.6	377.6	376.4	377.6	378.7	379.8	380.9	382.0	383.1	383.1	383.1
20°	351.0	349.9	351.0	352.1	353.2	354.3	355.4	357.6	358.7	358.7	358.7
22.5°	324.4	323.3	324.4	325.5	326.6	327.7	331.0	332.2	333.3	333.3	335.5
25°	297.8	297.8	298.9	300.0	301.2	302.3	304.5	306.7	307.8	308.9	308.9
27.5°	273.5	273.5	273.5	273.5	275.7	277.9	280.1	282.3	283.4	284.5	284.5
30°	250.2	249.1	249.1	250.2	252.4	254.7	256.9	259.1	260.2	261.3	262.4
32.5°	227.0	227.0	227.0	228.1	229.2	232.5	234.7	235.8	238.0	239.2	239.2
35°	205.9	205.9	205.9	208.2	210.4	212.6	213.7	215.9	218.1	218.1	218.1
37.5°	188.2	189.3	191.5	190.4	190.4	191.5	192.7	194.9	197.1	197.1	197.1
40°	168.3	169.4	170.5	169.4	170.5	172.7	173.8	174.9	176.0	177.1	177.1
42.5°	149.5	149.5	149.5	150.6	152.8	153.9	156.1	157.2	158.3	158.3	158.3
45°	134.0	134.0	135.1	136.2	137.3	138.4	139.5	140.6	141.7	141.7	141.7
47.5°	120.7	120.7	121.8	121.8	122.9	124.0	125.1	125.1	126.2	127.3	126.2
50°	108.5	108.5	108.5	109.6	109.6	110.7	110.7	111.8	111.8	111.8	111.8
52.5°	96.3	96.3	96.3	96.3	97.4	97.4	97.4	98.5	98.5	98.5	98.5
55°	85.3	85.3	85.3	85.3	85.3	86.4	86.4	86.4	86.4	86.4	86.4
57.5°	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
60°	65.3	65.3	65.3	65.3	65.3	64.2	65.3	65.3	65.3	65.3	65.3
62.5°	55.4	55.4	55.4	55.4	55.4	55.4	55.4	56.5	56.5	56.5	56.5
65°	45.4	46.5	46.5	46.5	46.5	46.5	46.5	47.6	47.6	47.6	47.6
67.5°	36.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	38.8	38.8	38.8
70°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	29.9
72.5°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	21.0	21.0	21.0
75°	14.4	14.4	14.4	14.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3
77.5°	10.0	10.0	10.0	8.9	8.9	7.8	7.8	7.8	7.8	7.8	6.6
80°	5.5	5.5	5.5	5.5	5.5	4.4	4.4	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	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)