

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_5000K

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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

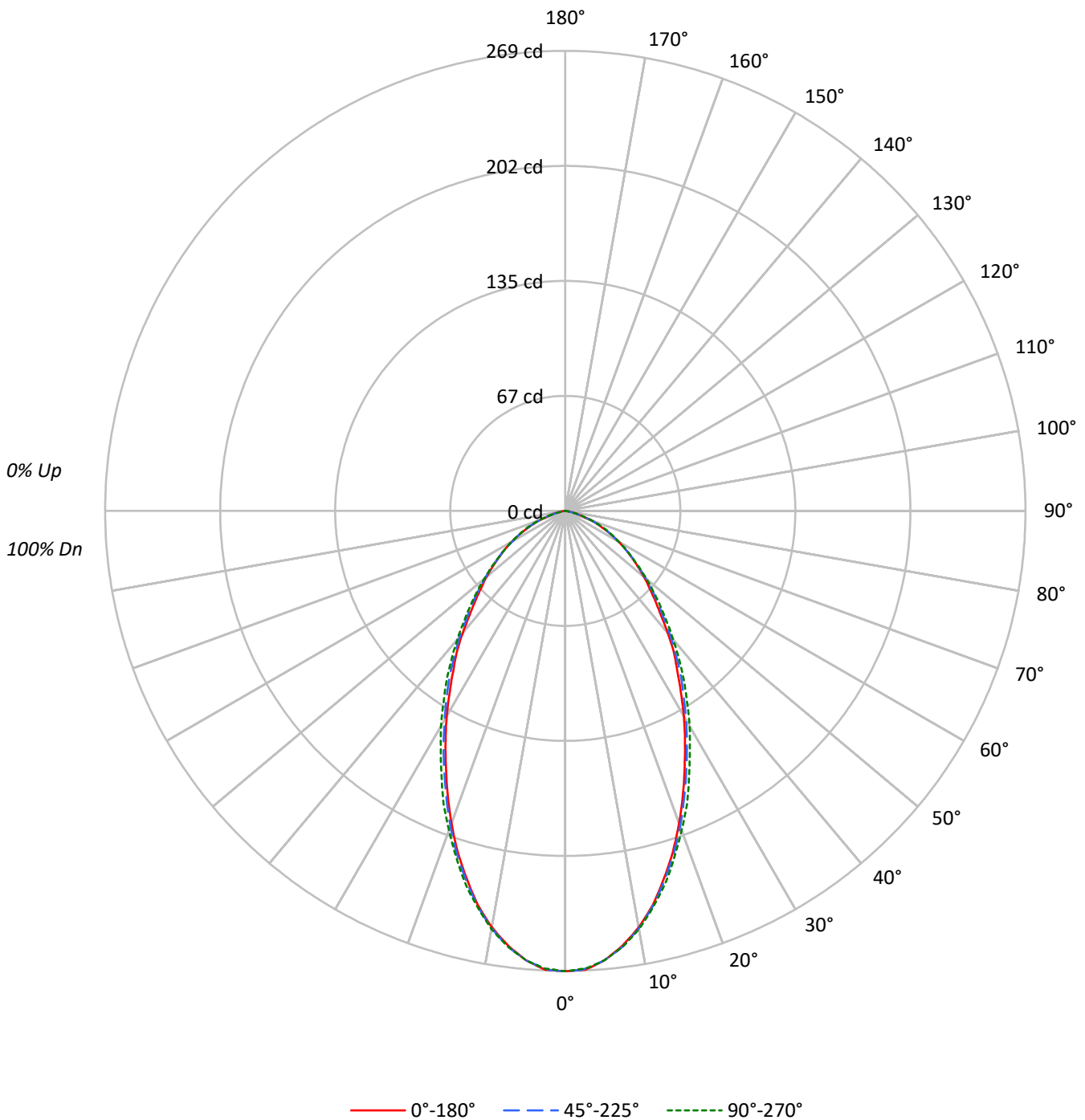
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 375.0 lumens
Efficiency: N/A
Efficacy: 63.6 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	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	59030	59030	59030
5°	58045	58045	58045
10°	55042	55176	55310
15°	50534	50806	51238
20°	45364	45807	46367
25°	39922	40502	41398
30°	35094	35727	36790
35°	30544	31534	32337
40°	26679	27394	28081
45°	23010	23785	24344
50°	20503	20912	21117
55°	18045	18274	18274
60°	15876	15613	15876
65°	13023	13387	13698
70°	10194	10194	10643
75°	6778	6270	6270
80°	3915	3157	2273
85°	1510	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 24344 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	6.6
10°-20°	62.5	16.7
20°-30°	77.1	20.6
30°-40°	73.5	19.6
40°-50°	59.4	15.9
50°-60°	42.8	11.4
60°-70°	25.7	6.8
70°-80°	8.6	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°	164.3	43.8
0°-40°	237.8	63.4
0°-60°	340.0	90.7
0°-90°	375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	375.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	269	269	269	269	269	
5°	264	264	264	264	264	25
15°	223	223	224	225	226	62
25°	165	166	167	170	171	76
35°	114	115	118	120	121	72
45°	74	75	77	78	78	58
55°	47	47	48	48	48	43
65°	25	26	26	26	26	25
75°	8	8	7	7	7	9
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°	269.2	269.2	269.2	269.2	269.2	269.2	269.2	269.2	269.2	269.2	269.2
2°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.0
2.5°	268.6	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.6	268.0
5°	263.7	263.7	263.7	263.7	263.7	263.7	263.7	263.7	264.3	263.7	263.7
7.5°	256.4	256.4	256.4	256.4	257.0	257.0	257.0	257.0	257.6	257.6	257.0
10°	247.2	247.2	247.2	247.2	247.8	247.8	248.4	247.8	247.8	248.4	248.4
12.5°	236.1	235.5	235.5	235.5	236.1	236.7	236.7	236.7	237.3	237.3	237.3
15°	222.6	222.6	222.6	223.2	223.2	223.8	224.5	224.5	225.1	225.1	225.7
17.5°	209.1	209.1	208.5	209.1	209.7	210.4	211.0	211.6	212.2	212.2	212.2
20°	194.4	193.8	194.4	195.0	195.6	196.3	196.9	198.1	198.7	198.7	198.7
22.5°	179.7	179.1	179.7	180.3	180.9	181.5	183.4	184.0	184.6	184.6	185.8
25°	165.0	165.0	165.6	166.2	166.8	167.4	168.7	169.9	170.5	171.1	171.1
27.5°	151.5	151.5	151.5	151.5	152.7	153.9	155.2	156.4	157.0	157.6	157.6
30°	138.6	138.0	138.0	138.6	139.8	141.1	142.3	143.5	144.1	144.7	145.3
32.5°	125.7	125.7	125.7	126.3	127.0	128.8	130.0	130.6	131.9	132.5	132.5
35°	114.1	114.1	114.1	115.3	116.5	117.8	118.4	119.6	120.8	120.8	120.8
37.5°	104.3	104.9	106.1	105.5	105.5	106.1	106.7	107.9	109.2	109.2	109.2
40°	93.2	93.8	94.4	93.8	94.4	95.7	96.3	96.9	97.5	98.1	98.1
42.5°	82.8	82.8	82.8	83.4	84.6	85.2	86.5	87.1	87.7	87.7	87.7
45°	74.2	74.2	74.8	75.4	76.0	76.7	77.3	77.9	78.5	78.5	78.5
47.5°	66.8	66.8	67.5	67.5	68.1	68.7	69.3	69.3	69.9	70.5	69.9
50°	60.1	60.1	60.1	60.7	60.7	61.3	61.3	61.9	61.9	61.9	61.9
52.5°	53.4	53.4	53.4	53.4	54.0	54.0	54.0	54.6	54.6	54.6	54.6
55°	47.2	47.2	47.2	47.2	47.2	47.8	47.8	47.8	47.8	47.8	47.8
57.5°	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
60°	36.2	36.2	36.2	36.2	36.2	35.6	36.2	36.2	36.2	36.2	36.2
62.5°	30.7	30.7	30.7	30.7	30.7	30.7	30.7	31.3	31.3	31.3	31.3
65°	25.1	25.8	25.8	25.8	25.8	25.8	25.8	26.4	26.4	26.4	26.4
67.5°	20.2	20.9	20.9	20.9	20.9	20.9	20.9	20.9	21.5	21.5	21.5
70°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	16.6
72.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.7	11.7	11.7
75°	8.0	8.0	8.0	8.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	5.5	5.5	5.5	4.9	4.9	4.3	4.3	4.3	4.3	4.3	3.7
80°	3.1	3.1	3.1	3.1	3.1	2.5	2.5	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.2	1.2	1.2	1.2	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)