

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: P3ART05R709830DE010 E3LDWW1MW

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: P3ART05R709830DE010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

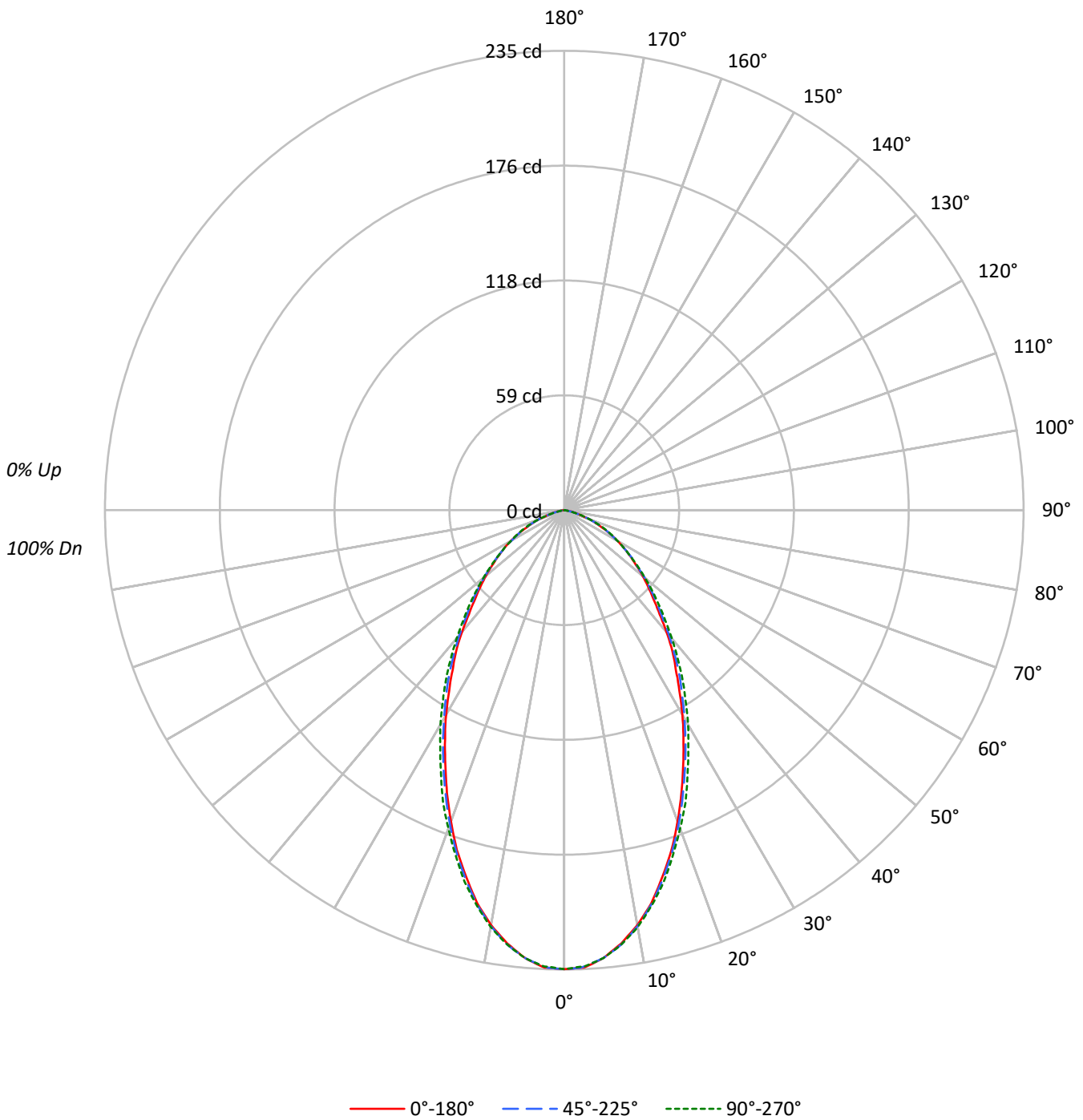
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 327.0 lumens
Efficiency: N/A
Efficacy: 45.4 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): 7.2
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	51487	51487	51487
5°	50627	50627	50627
10°	47984	48118	48229
15°	44064	44314	44677
20°	39553	39927	40440
25°	34817	35325	36099
30°	30612	31144	32081
35°	26635	27492	28215
40°	23272	23873	24503
45°	20064	20715	21243
50°	17876	18251	18422
55°	15751	15942	15942
60°	13859	13595	13859
65°	11363	11674	11934
70°	8912	8912	9232
75°	5931	5422	5422
80°	3410	2652	2020
85°	1258	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 21243 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	6.6
10°-20°	54.5	16.7
20°-30°	67.2	20.6
30°-40°	64.1	19.6
40°-50°	51.8	15.9
50°-60°	37.4	11.4
60°-70°	22.4	6.8
70°-80°	7.5	2.3
80°-90°	0.6	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°	143.3	43.8
0°-40°	207.4	63.4
0°-60°	296.5	90.7
0°-90°	327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	327.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	235	235	235	235	235	
5°	230	230	230	230	230	21
15°	194	195	195	196	197	54
25°	144	145	146	148	149	66
35°	100	100	103	105	105	63
45°	65	66	67	68	68	50
55°	41	41	42	42	42	37
65°	22	22	22	23	23	22
75°	7	7	6	6	6	8
85°	0	0	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°	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8
2°	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	233.7
2.5°	234.2	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	234.2	233.7
5°	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.5	230.0	230.0
7.5°	223.5	223.5	223.5	223.5	224.1	224.1	224.1	224.1	224.6	224.6	224.1
10°	215.5	215.5	215.5	215.5	216.1	216.1	216.6	216.1	216.1	216.6	216.6
12.5°	205.9	205.4	205.4	205.4	205.9	206.4	206.4	206.4	207.0	207.0	207.0
15°	194.1	194.1	194.1	194.7	194.7	195.2	195.7	195.7	196.3	196.3	196.8
17.5°	182.4	182.4	181.8	182.4	182.9	183.4	184.0	184.5	185.0	185.0	185.0
20°	169.5	169.0	169.5	170.1	170.6	171.1	171.7	172.7	173.3	173.3	173.3
22.5°	156.7	156.2	156.7	157.2	157.8	158.3	159.9	160.4	161.0	161.0	162.0
25°	143.9	143.9	144.4	144.9	145.5	146.0	147.1	148.1	148.7	149.2	149.2
27.5°	132.1	132.1	132.1	132.1	133.2	134.2	135.3	136.4	136.9	137.4	137.4
30°	120.9	120.3	120.3	120.9	121.9	123.0	124.1	125.1	125.7	126.2	126.7
32.5°	109.6	109.6	109.6	110.2	110.7	112.3	113.4	113.9	115.0	115.5	115.5
35°	99.5	99.5	99.5	100.5	101.6	102.7	103.2	104.3	105.4	105.4	105.4
37.5°	90.9	91.4	92.5	92.0	92.0	92.5	93.1	94.1	95.2	95.2	95.2
40°	81.3	81.8	82.4	81.8	82.4	83.4	84.0	84.5	85.0	85.6	85.6
42.5°	72.2	72.2	72.2	72.7	73.8	74.3	75.4	75.9	76.5	76.5	76.5
45°	64.7	64.7	65.2	65.8	66.3	66.8	67.4	67.9	68.5	68.5	68.5
47.5°	58.3	58.3	58.8	58.8	59.4	59.9	60.4	60.4	61.0	61.5	61.0
50°	52.4	52.4	52.4	52.9	52.9	53.5	53.5	54.0	54.0	54.0	54.0
52.5°	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.6	47.6	47.6	47.6
55°	41.2	41.2	41.2	41.2	41.2	41.7	41.7	41.7	41.7	41.7	41.7
57.5°	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
60°	31.6	31.6	31.6	31.6	31.6	31.0	31.6	31.6	31.6	31.6	31.6
62.5°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	27.3	27.3	27.3	27.3
65°	21.9	22.5	22.5	22.5	22.5	22.5	22.5	23.0	23.0	23.0	23.0
67.5°	17.6	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.7	18.7	18.7
70°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.4
72.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	10.2	10.2	10.2
75°	7.0	7.0	7.0	7.0	6.4	6.4	6.4	6.4	6.4	6.4	6.4
77.5°	4.8	4.8	4.8	4.3	4.3	3.7	3.7	3.7	3.7	3.7	3.2
80°	2.7	2.7	2.7	2.7	2.7	2.1	2.1	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5	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)