

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: P3ART20R709727D010 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: P3ART20R709727D010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

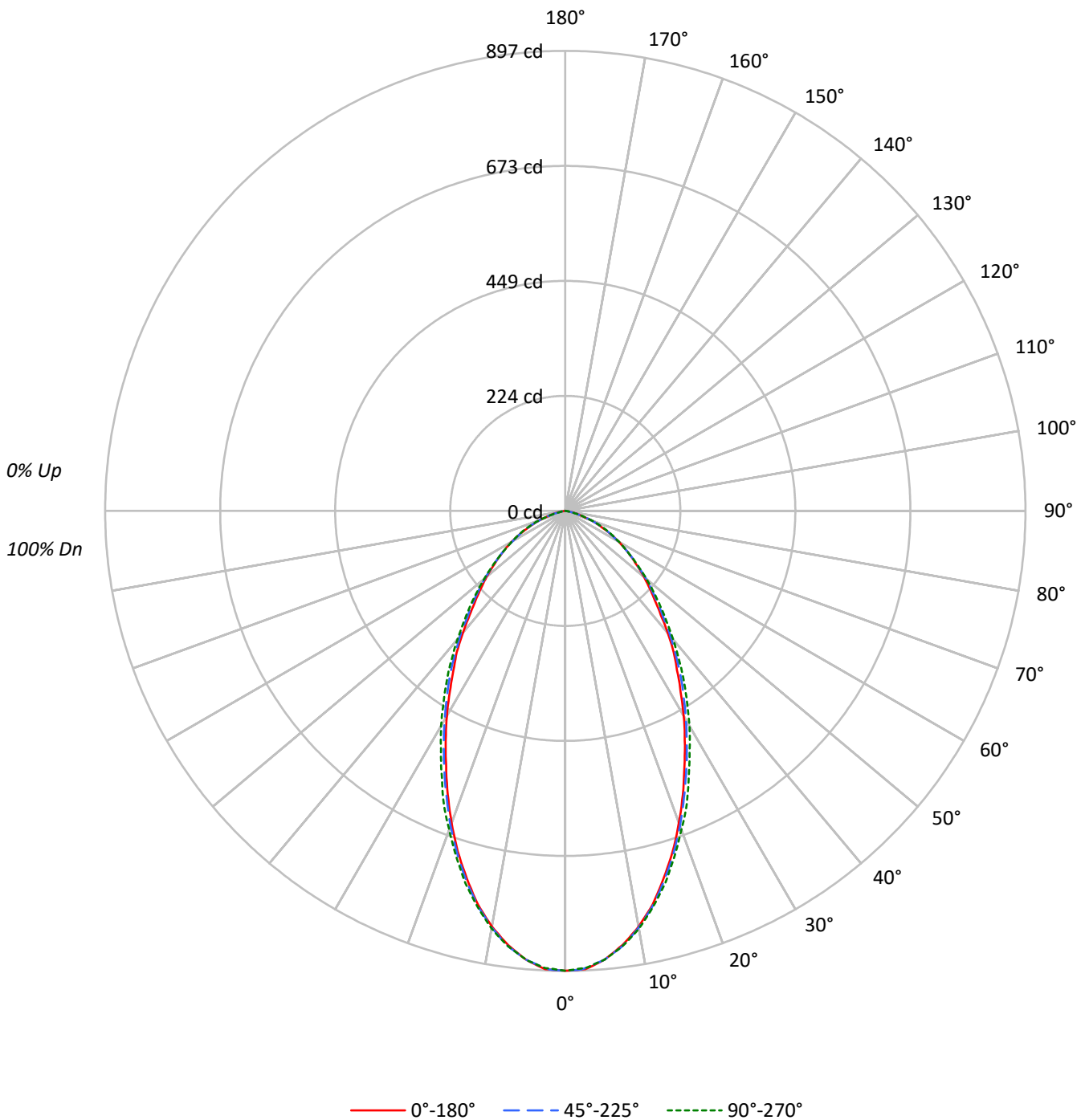
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1249.0 lumens
Efficiency: N/A
Efficacy: 43.4 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): 28.8
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°	196629	196629	196629
5°	193330	193330	193330
10°	183297	183742	184209
15°	168332	169263	170648
20°	151096	152520	154433
25°	132951	134911	137887
30°	116879	118955	122576
35°	101696	104989	107719
40°	88881	91228	93547
45°	76659	79171	81094
50°	68296	69695	70377
55°	60136	60901	60901
60°	52847	51970	52847
65°	43429	44518	45556
70°	34044	34044	35391
75°	22536	20757	20757
80°	12880	10355	7703
85°	5032	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 81094 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	6.6
10°-20°	208.2	16.7
20°-30°	256.8	20.6
30°-40°	244.7	19.6
40°-50°	198.0	15.9
50°-60°	142.6	11.4
60°-70°	85.4	6.8
70°-80°	28.6	2.3
80°-90°	2.4	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°	547.2	43.8
0°-40°	792.0	63.4
0°-60°	1132.6	90.7
0°-90°	1249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	897	897	897	897	897	
5°	878	878	878	879	878	82
15°	742	743	746	748	752	207
25°	550	553	558	566	570	253
35°	380	383	392	399	402	239
45°	247	251	255	260	262	193
55°	157	157	159	159	159	142
65°	84	86	86	88	88	84
75°	27	27	24	24	24	30
85°	2	2	0	0	0	4
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°	896.7	896.7	896.7	896.7	896.7	896.7	896.7	896.7	896.7	896.7	896.7
2°	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	892.6
2.5°	894.7	892.6	892.6	892.6	892.6	892.6	892.6	892.6	892.6	894.7	892.6
5°	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	880.4	878.3	878.3
7.5°	853.8	853.8	853.8	853.8	855.9	855.9	855.9	855.9	857.9	857.9	855.9
10°	823.2	823.2	823.2	823.2	825.2	825.2	827.3	825.2	825.2	827.3	827.3
12.5°	786.4	784.4	784.4	784.4	786.4	788.5	788.5	788.5	790.5	790.5	790.5
15°	741.5	741.5	741.5	743.5	743.5	745.6	747.6	747.6	749.7	749.7	751.7
17.5°	696.5	696.5	694.5	696.5	698.6	700.6	702.7	704.7	706.8	706.8	706.8
20°	647.5	645.5	647.5	649.6	651.6	653.6	655.7	659.8	661.8	661.8	661.8
22.5°	598.5	596.5	598.5	600.5	602.6	604.6	610.8	612.8	614.8	614.8	618.9
25°	549.5	549.5	551.5	553.6	555.6	557.6	561.7	565.8	567.9	569.9	569.9
27.5°	504.5	504.5	504.5	504.5	508.6	512.7	516.8	520.9	522.9	525.0	525.0
30°	461.6	459.6	459.6	461.6	465.7	469.8	473.9	478.0	480.0	482.1	484.1
32.5°	418.7	418.7	418.7	420.8	422.8	429.0	433.0	435.1	439.2	441.2	441.2
35°	379.9	379.9	379.9	384.0	388.1	392.2	394.2	398.3	402.4	402.4	402.4
37.5°	347.3	349.3	353.4	351.3	351.3	353.4	355.4	359.5	363.6	363.6	363.6
40°	310.5	312.5	314.6	312.5	314.6	318.7	320.7	322.7	324.8	326.8	326.8
42.5°	275.8	275.8	275.8	277.8	281.9	283.9	288.0	290.1	292.1	292.1	292.1
45°	247.2	247.2	249.2	251.2	253.3	255.3	257.4	259.4	261.5	261.5	261.5
47.5°	222.6	222.6	224.7	224.7	226.7	228.8	230.8	230.8	232.9	234.9	232.9
50°	200.2	200.2	200.2	202.2	202.2	204.3	204.3	206.3	206.3	206.3	206.3
52.5°	177.7	177.7	177.7	177.7	179.8	179.8	179.8	181.8	181.8	181.8	181.8
55°	157.3	157.3	157.3	157.3	157.3	159.3	159.3	159.3	159.3	159.3	159.3
57.5°	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9	138.9
60°	120.5	120.5	120.5	120.5	120.5	118.5	120.5	120.5	120.5	120.5	120.5
62.5°	102.1	102.1	102.1	102.1	102.1	102.1	102.1	104.2	104.2	104.2	104.2
65°	83.7	85.8	85.8	85.8	85.8	85.8	85.8	87.8	87.8	87.8	87.8
67.5°	67.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	71.5	71.5	71.5
70°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	55.2
72.5°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	38.8	38.8	38.8
75°	26.6	26.6	26.6	26.6	24.5	24.5	24.5	24.5	24.5	24.5	24.5
77.5°	18.4	18.4	18.4	16.3	16.3	14.3	14.3	14.3	14.3	14.3	12.3
80°	10.2	10.2	10.2	10.2	10.2	8.2	8.2	6.1	6.1	6.1	6.1
82.5°	6.1	6.1	6.1	4.1	4.1	4.1	4.1	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	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)