

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: P3ART20R709840D010 E3CLDWW1MW

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: P3ART20R709840D010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

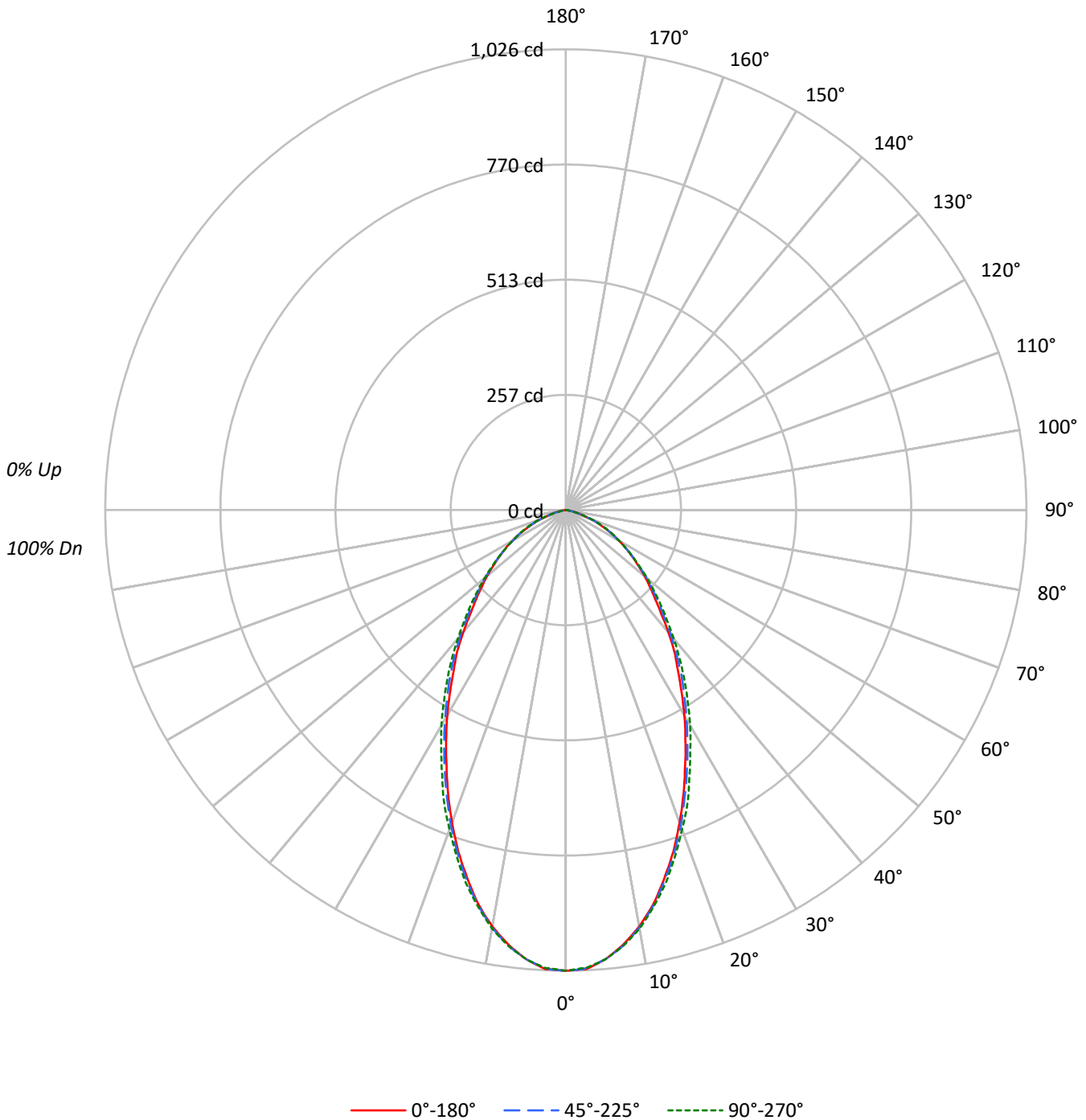
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1429.0 lumens
Efficiency: N/A
Efficacy: 52.2 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): 27.4
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°	224982	224982	224982
5°	221197	221197	221197
10°	209704	210239	210751
15°	192578	193645	195234
20°	172868	174502	176695
25°	152114	154364	157751
30°	133742	136097	140249
35°	116366	120114	123246
40°	101676	104367	107029
45°	87699	90583	92754
50°	78121	79724	80509
55°	68815	69694	69694
60°	60478	59425	60478
65°	49707	50952	52146
70°	38981	38981	40456
75°	25756	23723	23723
80°	14775	11744	8840
85°	5787	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 92754 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.0	6.6
10°-20°	238.3	16.7
20°-30°	293.8	20.6
30°-40°	280.0	19.6
40°-50°	226.5	15.9
50°-60°	163.2	11.4
60°-70°	97.7	6.8
70°-80°	32.7	2.3
80°-90°	2.8	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°	626.1	43.8
0°-40°	906.1	63.4
0°-60°	1295.8	90.7
0°-90°	1429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1026	1026	1026	1026	1026	
5°	1005	1005	1005	1006	1005	94
15°	848	850	853	856	860	237
25°	629	633	638	648	652	289
35°	435	438	449	457	460	273
45°	283	287	292	297	299	220
55°	180	180	182	182	182	162
65°	96	98	98	100	100	96
75°	30	30	28	28	28	34
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°	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0
2°	1023.6	1023.6	1023.6	1023.6	1023.6	1023.6	1023.6	1023.6	1023.6	1023.6	1021.3
2.5°	1023.6	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1023.6	1021.3
5°	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1007.3	1004.9	1004.9
7.5°	976.9	976.9	976.9	976.9	979.2	979.2	979.2	979.2	981.6	981.6	979.2
10°	941.8	941.8	941.8	941.8	944.2	944.2	946.5	944.2	944.2	946.5	946.5
12.5°	899.8	897.4	897.4	897.4	899.8	902.1	902.1	902.1	904.4	904.4	904.4
15°	848.3	848.3	848.3	850.7	850.7	853.0	855.4	855.4	857.7	857.7	860.0
17.5°	796.9	796.9	794.6	796.9	799.3	801.6	803.9	806.3	808.6	808.6	808.6
20°	740.8	738.5	740.8	743.2	745.5	747.8	750.2	754.9	757.2	757.2	757.2
22.5°	684.7	682.4	684.7	687.1	689.4	691.8	698.8	701.1	703.4	703.4	708.1
25°	628.7	628.7	631.0	633.3	635.7	638.0	642.7	647.4	649.7	652.0	652.0
27.5°	577.2	577.2	577.2	577.2	581.9	586.6	591.3	595.9	598.3	600.6	600.6
30°	528.2	525.8	525.8	528.2	532.8	537.5	542.2	546.9	549.2	551.5	553.9
32.5°	479.1	479.1	479.1	481.4	483.8	490.8	495.5	497.8	502.5	504.8	504.8
35°	434.7	434.7	434.7	439.4	444.0	448.7	451.0	455.7	460.4	460.4	460.4
37.5°	397.3	399.6	404.3	402.0	402.0	404.3	406.6	411.3	416.0	416.0	416.0
40°	355.2	357.6	359.9	357.6	359.9	364.6	366.9	369.3	371.6	373.9	373.9
42.5°	315.5	315.5	315.5	317.8	322.5	324.8	329.5	331.9	334.2	334.2	334.2
45°	282.8	282.8	285.1	287.5	289.8	292.1	294.5	296.8	299.1	299.1	299.1
47.5°	254.7	254.7	257.1	257.1	259.4	261.7	264.1	264.1	266.4	268.8	266.4
50°	229.0	229.0	229.0	231.4	231.4	233.7	233.7	236.0	236.0	236.0	236.0
52.5°	203.3	203.3	203.3	203.3	205.7	205.7	205.7	208.0	208.0	208.0	208.0
55°	180.0	180.0	180.0	180.0	180.0	182.3	182.3	182.3	182.3	182.3	182.3
57.5°	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9	158.9
60°	137.9	137.9	137.9	137.9	137.9	135.5	137.9	137.9	137.9	137.9	137.9
62.5°	116.9	116.9	116.9	116.9	116.9	116.9	116.9	119.2	119.2	119.2	119.2
65°	95.8	98.2	98.2	98.2	98.2	98.2	98.2	100.5	100.5	100.5	100.5
67.5°	77.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	81.8	81.8	81.8
70°	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	63.1
72.5°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	44.4	44.4	44.4
75°	30.4	30.4	30.4	30.4	28.0	28.0	28.0	28.0	28.0	28.0	28.0
77.5°	21.0	21.0	21.0	18.7	18.7	16.4	16.4	16.4	16.4	16.4	14.0
80°	11.7	11.7	11.7	11.7	11.7	9.3	9.3	7.0	7.0	7.0	7.0
82.5°	7.0	7.0	7.0	4.7	4.7	4.7	4.7	2.3	2.3	2.3	2.3
85°	2.3	2.3	2.3	2.3	2.3	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)