

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: P3ART20R709740D010 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: P3ART20R709740D010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

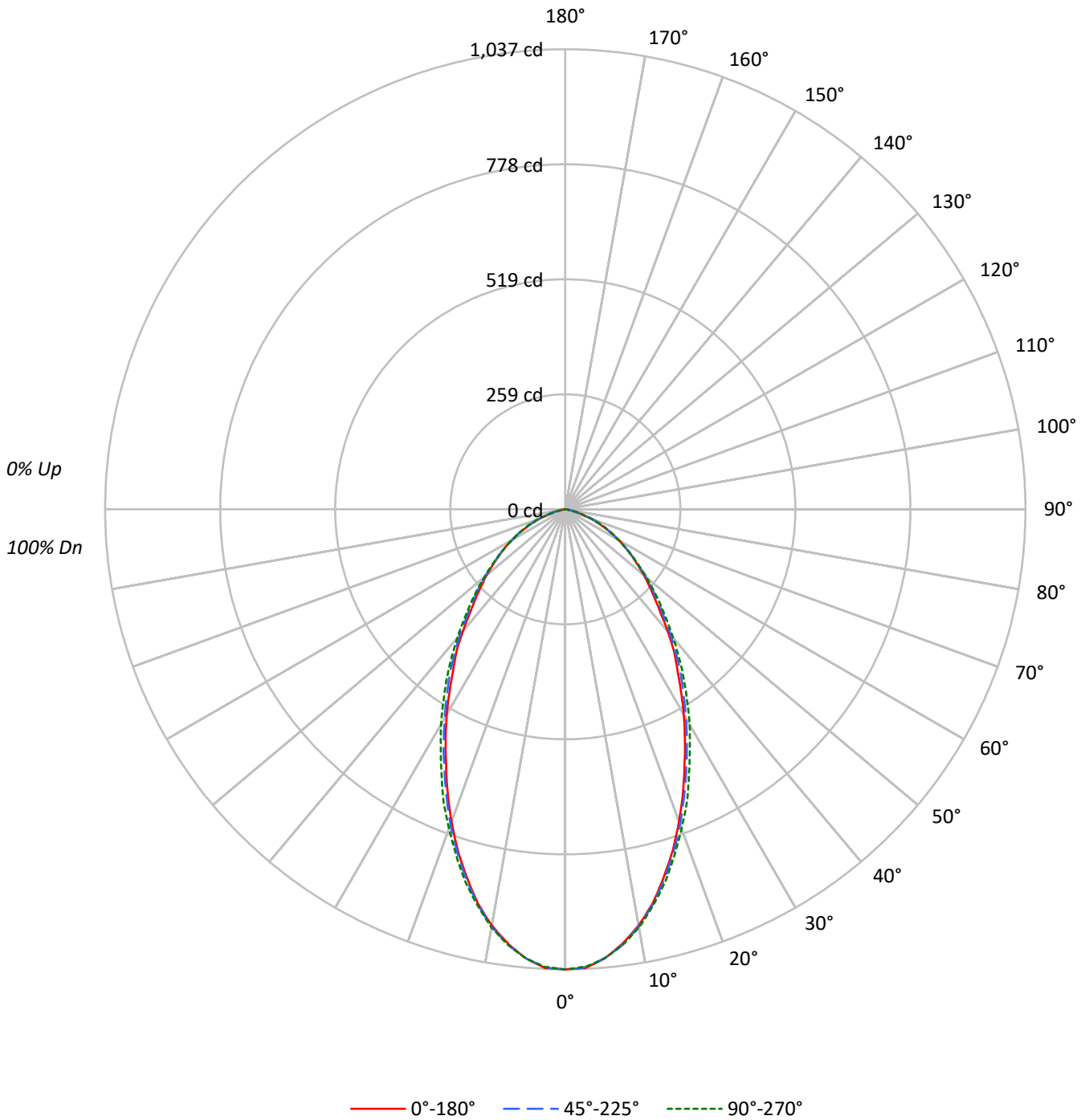
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1445.0 lumens
Efficiency: N/A
Efficacy: 50.2 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): 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°	227482	227482	227482
5°	223684	223684	223684
10°	212065	212577	213111
15°	194734	195824	197436
20°	174805	176462	178679
25°	153807	156106	159517
30°	135236	137616	141819
35°	117678	121452	124611
40°	102821	105541	108231
45°	88660	91606	93808
50°	79008	80611	81430
55°	69579	70459	70459
60°	61135	60127	61135
65°	50278	51523	52716
70°	39366	39366	40904
75°	26010	24061	24061
80°	14901	11996	8966
85°	6038	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 93808 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	6.6
10°-20°	240.9	16.7
20°-30°	297.1	20.6
30°-40°	283.1	19.6
40°-50°	229.1	15.9
50°-60°	165.0	11.4
60°-70°	98.8	6.8
70°-80°	33.1	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°	633.1	43.8
0°-40°	916.2	63.4
0°-60°	1310.3	90.7
0°-90°	1445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1445.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1037	1037	1037	1037	1037	
5°	1016	1016	1016	1017	1016	95
15°	858	860	863	866	870	240
25°	636	640	645	655	659	293
35°	440	443	454	462	466	276
45°	286	290	295	301	302	223
55°	182	182	184	184	184	164
65°	97	99	99	102	102	97
75°	31	31	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°	1037.4	1037.4	1037.4	1037.4	1037.4	1037.4	1037.4	1037.4	1037.4	1037.4	1037.4
2°	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1035.1	1032.7
2.5°	1035.1	1032.7	1032.7	1032.7	1032.7	1032.7	1032.7	1032.7	1032.7	1035.1	1032.7
5°	1016.2	1016.2	1016.2	1016.2	1016.2	1016.2	1016.2	1016.2	1018.5	1016.2	1016.2
7.5°	987.8	987.8	987.8	987.8	990.2	990.2	990.2	990.2	992.5	992.5	990.2
10°	952.4	952.4	952.4	952.4	954.7	954.7	957.1	954.7	954.7	957.1	957.1
12.5°	909.8	907.5	907.5	907.5	909.8	912.2	912.2	912.2	914.6	914.6	914.6
15°	857.8	857.8	857.8	860.2	860.2	862.6	864.9	864.9	867.3	867.3	869.7
17.5°	805.8	805.8	803.5	805.8	808.2	810.6	812.9	815.3	817.7	817.7	817.7
20°	749.1	746.8	749.1	751.5	753.9	756.2	758.6	763.3	765.7	765.7	765.7
22.5°	692.4	690.1	692.4	694.8	697.1	699.5	706.6	709.0	711.3	711.3	716.0
25°	635.7	635.7	638.1	640.4	642.8	645.2	649.9	654.6	657.0	659.3	659.3
27.5°	583.7	583.7	583.7	583.7	588.4	593.2	597.9	602.6	605.0	607.3	607.3
30°	534.1	531.7	531.7	534.1	538.8	543.5	548.3	553.0	555.4	557.7	560.1
32.5°	484.5	484.5	484.5	486.8	489.2	496.3	501.0	503.4	508.1	510.5	510.5
35°	439.6	439.6	439.6	444.3	449.0	453.7	456.1	460.8	465.5	465.5	465.5
37.5°	401.7	404.1	408.8	406.5	406.5	408.8	411.2	415.9	420.6	420.6	420.6
40°	359.2	361.6	363.9	361.6	363.9	368.7	371.0	373.4	375.7	378.1	378.1
42.5°	319.0	319.0	319.0	321.4	326.1	328.5	333.2	335.6	337.9	337.9	337.9
45°	285.9	285.9	288.3	290.7	293.0	295.4	297.8	300.1	302.5	302.5	302.5
47.5°	257.6	257.6	260.0	260.0	262.3	264.7	267.0	267.0	269.4	271.8	269.4
50°	231.6	231.6	231.6	234.0	234.0	236.3	236.3	238.7	238.7	238.7	238.7
52.5°	205.6	205.6	205.6	205.6	208.0	208.0	208.0	210.3	210.3	210.3	210.3
55°	182.0	182.0	182.0	182.0	182.0	184.3	184.3	184.3	184.3	184.3	184.3
57.5°	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7	160.7
60°	139.4	139.4	139.4	139.4	139.4	137.1	139.4	139.4	139.4	139.4	139.4
62.5°	118.2	118.2	118.2	118.2	118.2	118.2	118.2	120.5	120.5	120.5	120.5
65°	96.9	99.3	99.3	99.3	99.3	99.3	99.3	101.6	101.6	101.6	101.6
67.5°	78.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	82.7	82.7	82.7
70°	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	63.8
72.5°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	44.9	44.9	44.9
75°	30.7	30.7	30.7	30.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4
77.5°	21.3	21.3	21.3	18.9	18.9	16.5	16.5	16.5	16.5	16.5	14.2
80°	11.8	11.8	11.8	11.8	11.8	9.5	9.5	7.1	7.1	7.1	7.1
82.5°	7.1	7.1	7.1	4.7	4.7	4.7	4.7	2.4	2.4	2.4	2.4
85°	2.4	2.4	2.4	2.4	2.4	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)