

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: P3ART17R709030D2WDE010 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: P3ART17R709030D2WDE010 E3CLDWW1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

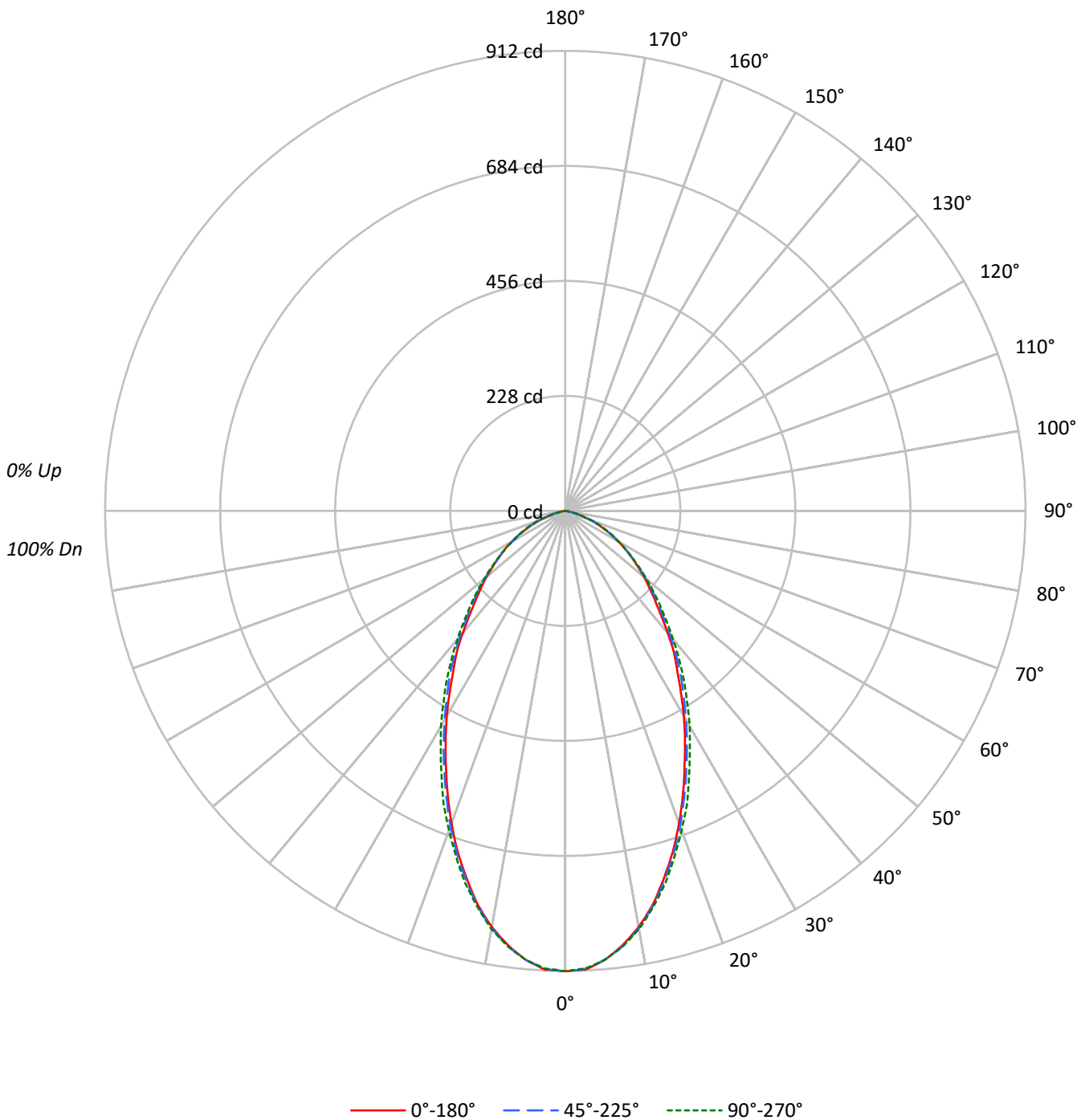
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1271.0 lumens
Efficiency: N/A
Efficacy: 46.6 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): 27.3
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°	200094	200094	200094
5°	196742	196742	196742
10°	186525	186993	187438
15°	171284	172237	173645
20°	153757	155227	157164
25°	135298	137306	140306
30°	118955	121057	124728
35°	103490	106836	109620
40°	90455	92831	95207
45°	77993	80567	82520
50°	69490	70923	71605
55°	61207	61972	61972
60°	53768	52890	53768
65°	44207	45297	46386
70°	34621	34621	35968
75°	22875	21096	21096
80°	13133	10481	7829
85°	5284	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 82520 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	6.6
10°-20°	211.9	16.7
20°-30°	261.4	20.6
30°-40°	249.0	19.6
40°-50°	201.5	15.9
50°-60°	145.1	11.4
60°-70°	86.9	6.8
70°-80°	29.1	2.3
80°-90°	2.5	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°	556.9	43.8
0°-40°	805.9	63.4
0°-60°	1152.5	90.7
0°-90°	1271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1271.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	912	912	912	912	912	
5°	894	894	894	894	894	84
15°	754	756	759	761	765	211
25°	559	563	568	576	580	257
35°	387	390	399	406	410	243
45°	252	255	260	265	266	196
55°	160	160	162	162	162	144
65°	85	87	87	89	89	85
75°	27	27	25	25	25	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°	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5	912.5
2°	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	910.4	908.4
2.5°	910.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	910.4	908.4
5°	893.8	893.8	893.8	893.8	893.8	893.8	893.8	893.8	895.9	893.8	893.8
7.5°	868.9	868.9	868.9	868.9	870.9	870.9	870.9	870.9	873.0	873.0	870.9
10°	837.7	837.7	837.7	837.7	839.8	839.8	841.8	839.8	839.8	841.8	841.8
12.5°	800.3	798.2	798.2	798.2	800.3	802.4	802.4	802.4	804.4	804.4	804.4
15°	754.5	754.5	754.5	756.6	756.6	758.7	760.8	760.8	762.9	762.9	764.9
17.5°	708.8	708.8	706.7	708.8	710.9	713.0	715.0	717.1	719.2	719.2	719.2
20°	658.9	656.8	658.9	661.0	663.1	665.2	667.2	671.4	673.5	673.5	673.5
22.5°	609.0	607.0	609.0	611.1	613.2	615.3	621.5	623.6	625.7	625.7	629.8
25°	559.2	559.2	561.2	563.3	565.4	567.5	571.6	575.8	577.9	579.9	579.9
27.5°	513.4	513.4	513.4	513.4	517.6	521.7	525.9	530.1	532.1	534.2	534.2
30°	469.8	467.7	467.7	469.8	473.9	478.1	482.2	486.4	488.5	490.6	492.6
32.5°	426.1	426.1	426.1	428.2	430.3	436.5	440.7	442.7	446.9	449.0	449.0
35°	386.6	386.6	386.6	390.8	394.9	399.1	401.2	405.3	409.5	409.5	409.5
37.5°	353.4	355.4	359.6	357.5	357.5	359.6	361.7	365.8	370.0	370.0	370.0
40°	316.0	318.0	320.1	318.0	320.1	324.3	326.3	328.4	330.5	332.6	332.6
42.5°	280.6	280.6	280.6	282.7	286.9	288.9	293.1	295.2	297.2	297.2	297.2
45°	251.5	251.5	253.6	255.7	257.8	259.8	261.9	264.0	266.1	266.1	266.1
47.5°	226.6	226.6	228.6	228.6	230.7	232.8	234.9	234.9	237.0	239.0	237.0
50°	203.7	203.7	203.7	205.8	205.8	207.9	207.9	209.9	209.9	209.9	209.9
52.5°	180.8	180.8	180.8	180.8	182.9	182.9	182.9	185.0	185.0	185.0	185.0
55°	160.1	160.1	160.1	160.1	160.1	162.1	162.1	162.1	162.1	162.1	162.1
57.5°	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3
60°	122.6	122.6	122.6	122.6	122.6	120.6	122.6	122.6	122.6	122.6	122.6
62.5°	103.9	103.9	103.9	103.9	103.9	103.9	103.9	106.0	106.0	106.0	106.0
65°	85.2	87.3	87.3	87.3	87.3	87.3	87.3	89.4	89.4	89.4	89.4
67.5°	68.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	72.8	72.8	72.8
70°	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	56.1
72.5°	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	39.5	39.5	39.5
75°	27.0	27.0	27.0	27.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9
77.5°	18.7	18.7	18.7	16.6	16.6	14.6	14.6	14.6	14.6	14.6	12.5
80°	10.4	10.4	10.4	10.4	10.4	8.3	8.3	6.2	6.2	6.2	6.2
82.5°	6.2	6.2	6.2	4.2	4.2	4.2	4.2	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	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)