

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: P1445689

Luminaire Tested: P3ART17R709027DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445689
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: P3ART17R709027DE010 E3CLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

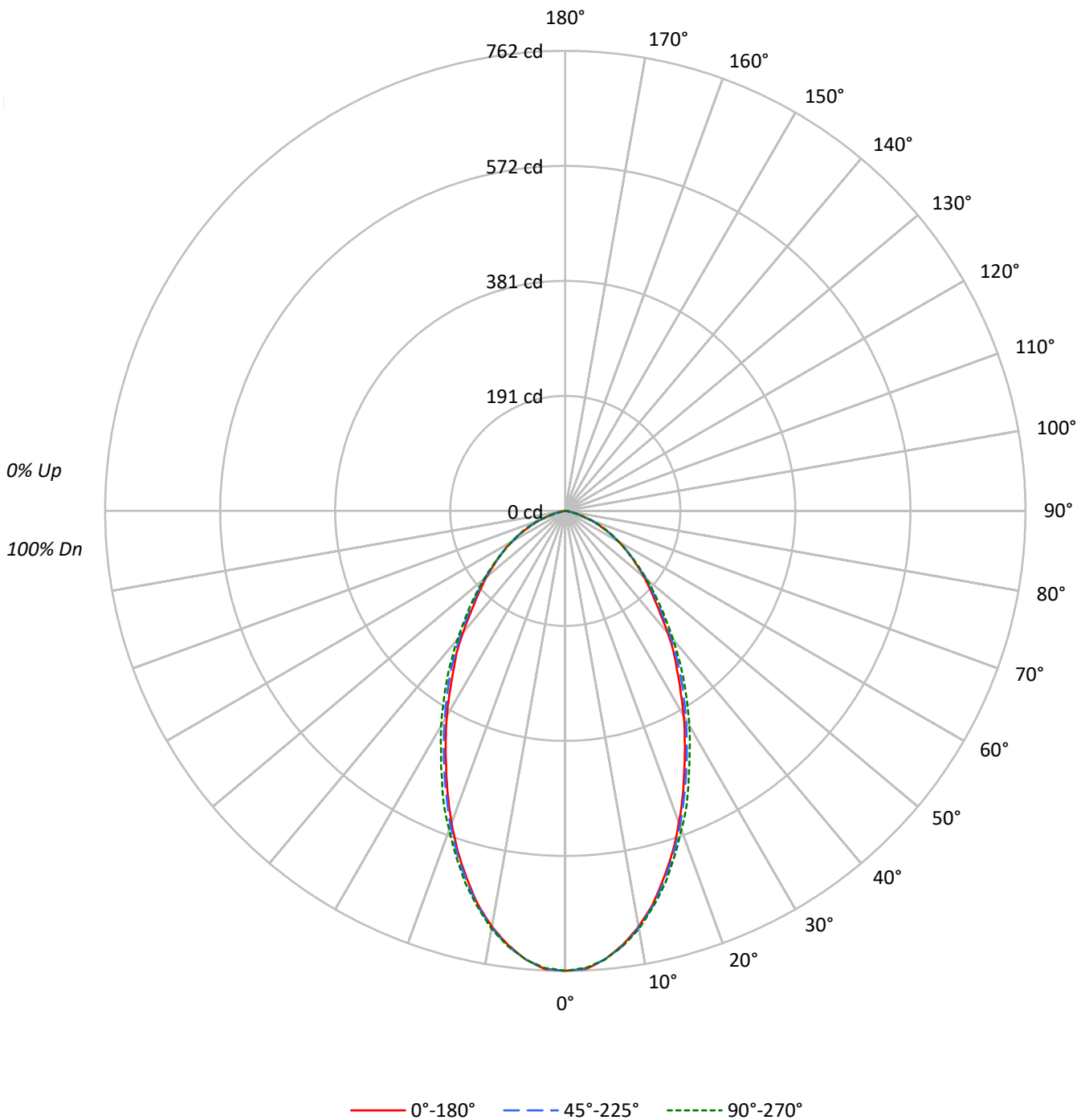
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1061.0 lumens
Efficiency: N/A
Efficacy: 50.0 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): 21.2
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	167026	167026	167026
5°	164230	164230	164230
10°	155709	156087	156488
15°	142997	143769	144972
20°	128368	129581	131191
25°	112942	114611	117128
30°	99306	101054	104117
35°	86384	89195	91497
40°	75484	77488	79463
45°	65123	67263	68875
50°	57994	59188	59802
55°	51076	51726	51726
60°	44909	44119	44909
65°	36891	37825	38707
70°	28915	28915	30069
75°	19148	17622	17622
80°	10986	8713	6566
85°	4277	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 68875 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	6.6
10°-20°	176.9	16.7
20°-30°	218.2	20.6
30°-40°	207.9	19.6
40°-50°	168.2	15.9
50°-60°	121.1	11.4
60°-70°	72.5	6.8
70°-80°	24.3	2.3
80°-90°	2.1	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°	464.9	43.8
0°-40°	672.8	63.4
0°-60°	962.1	90.7
0°-90°	1061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1061.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	762	762	762	762	762	
5°	746	746	746	747	746	70
15°	630	631	633	636	639	176
25°	467	470	474	481	484	215
35°	323	325	333	339	342	203
45°	210	213	217	221	222	164
55°	134	134	135	135	135	120
65°	71	73	73	75	75	71
75°	23	23	21	21	21	25
85°	2	2	0	0	0	3
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°	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7
2°	760.0	760.0	760.0	760.0	760.0	760.0	760.0	760.0	760.0	760.0	758.3
2.5°	760.0	758.3	758.3	758.3	758.3	758.3	758.3	758.3	758.3	760.0	758.3
5°	746.1	746.1	746.1	746.1	746.1	746.1	746.1	746.1	747.9	746.1	746.1
7.5°	725.3	725.3	725.3	725.3	727.0	727.0	727.0	727.0	728.8	728.8	727.0
10°	699.3	699.3	699.3	699.3	701.0	701.0	702.8	701.0	701.0	702.8	702.8
12.5°	668.0	666.3	666.3	666.3	668.0	669.8	669.8	669.8	671.5	671.5	671.5
15°	629.9	629.9	629.9	631.6	631.6	633.3	635.1	635.1	636.8	636.8	638.6
17.5°	591.7	591.7	590.0	591.7	593.4	595.2	596.9	598.6	600.4	600.4	600.4
20°	550.1	548.3	550.1	551.8	553.5	555.3	557.0	560.5	562.2	562.2	562.2
22.5°	508.4	506.7	508.4	510.1	511.9	513.6	518.8	520.6	522.3	522.3	525.8
25°	466.8	466.8	468.5	470.2	472.0	473.7	477.2	480.6	482.4	484.1	484.1
27.5°	428.6	428.6	428.6	428.6	432.1	435.5	439.0	442.5	444.2	445.9	445.9
30°	392.2	390.4	390.4	392.2	395.6	399.1	402.6	406.0	407.8	409.5	411.2
32.5°	355.7	355.7	355.7	357.4	359.2	364.4	367.9	369.6	373.1	374.8	374.8
35°	322.7	322.7	322.7	326.2	329.7	333.2	334.9	338.4	341.8	341.8	341.8
37.5°	295.0	296.7	300.2	298.5	298.5	300.2	301.9	305.4	308.9	308.9	308.9
40°	263.7	265.5	267.2	265.5	267.2	270.7	272.4	274.2	275.9	277.6	277.6
42.5°	234.3	234.3	234.3	236.0	239.5	241.2	244.7	246.4	248.1	248.1	248.1
45°	210.0	210.0	211.7	213.4	215.2	216.9	218.6	220.4	222.1	222.1	222.1
47.5°	189.1	189.1	190.9	190.9	192.6	194.3	196.1	196.1	197.8	199.5	197.8
50°	170.0	170.0	170.0	171.8	171.8	173.5	173.5	175.3	175.3	175.3	175.3
52.5°	151.0	151.0	151.0	151.0	152.7	152.7	152.7	154.4	154.4	154.4	154.4
55°	133.6	133.6	133.6	133.6	133.6	135.3	135.3	135.3	135.3	135.3	135.3
57.5°	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0
60°	102.4	102.4	102.4	102.4	102.4	100.6	102.4	102.4	102.4	102.4	102.4
62.5°	86.8	86.8	86.8	86.8	86.8	86.8	86.8	88.5	88.5	88.5	88.5
65°	71.1	72.9	72.9	72.9	72.9	72.9	72.9	74.6	74.6	74.6	74.6
67.5°	57.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	60.7	60.7	60.7
70°	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	46.9
72.5°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	33.0	33.0	33.0
75°	22.6	22.6	22.6	22.6	20.8	20.8	20.8	20.8	20.8	20.8	20.8
77.5°	15.6	15.6	15.6	13.9	13.9	12.1	12.1	12.1	12.1	12.1	10.4
80°	8.7	8.7	8.7	8.7	8.7	6.9	6.9	5.2	5.2	5.2	5.2
82.5°	5.2	5.2	5.2	3.5	3.5	3.5	3.5	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7	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)