

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: P1445819

Luminaire Tested: P3ART17R709030DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445819
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: P3ART17R709030DE010 E3CLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

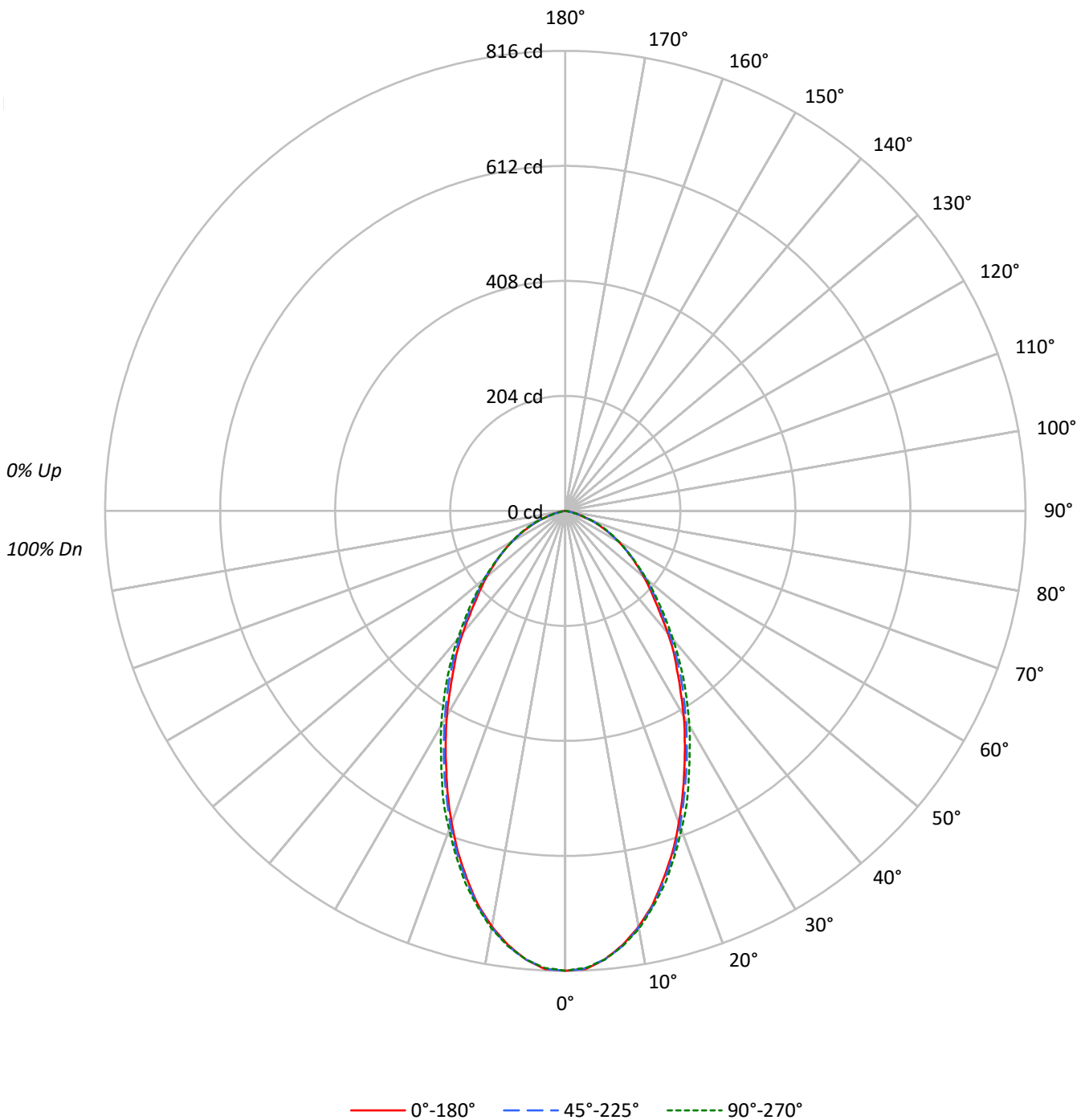
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1136.0 lumens
Efficiency: N/A
Efficacy: 53.6 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): 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61	61	61	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55	55	55	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50	50	50	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45	45	45	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	178845	178845	178845
5°	175853	175853	175853
10°	166708	167131	167532
15°	153100	153940	155211
20°	137422	138729	140456
25°	120926	122717	125402
30°	106320	108194	111486
35°	92514	95486	97975
40°	80837	82955	85102
45°	69713	72007	73744
50°	62122	63384	63998
55°	54708	55396	55396
60°	48066	47277	48066
65°	39537	40471	41457
70°	30967	30967	32185
75°	20503	18893	18893
80°	11744	9345	7072
85°	4780	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 73744 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	6.6
10°-20°	189.4	16.7
20°-30°	233.6	20.6
30°-40°	222.6	19.6
40°-50°	180.1	15.9
50°-60°	129.7	11.4
60°-70°	77.7	6.8
70°-80°	26.0	2.3
80°-90°	2.2	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°	497.7	43.8
0°-40°	720.3	63.4
0°-60°	1030.1	90.7
0°-90°	1136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1136.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	816	816	816	816	816	
5°	799	799	799	799	799	75
15°	674	676	678	680	684	188
25°	500	503	507	515	518	230
35°	346	348	357	363	366	217
45°	225	228	232	236	238	175
55°	143	143	145	145	145	129
65°	76	78	78	80	80	76
75°	24	24	22	22	22	27
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°	815.6	815.6	815.6	815.6	815.6	815.6	815.6	815.6	815.6	815.6	815.6
2°	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7	811.9
2.5°	813.7	811.9	811.9	811.9	811.9	811.9	811.9	811.9	811.9	813.7	811.9
5°	798.9	798.9	798.9	798.9	798.9	798.9	798.9	798.9	800.7	798.9	798.9
7.5°	776.6	776.6	776.6	776.6	778.4	778.4	778.4	778.4	780.3	780.3	778.4
10°	748.7	748.7	748.7	748.7	750.6	750.6	752.4	750.6	750.6	752.4	752.4
12.5°	715.3	713.4	713.4	713.4	715.3	717.1	717.1	717.1	719.0	719.0	719.0
15°	674.4	674.4	674.4	676.3	676.3	678.1	680.0	680.0	681.8	681.8	683.7
17.5°	633.5	633.5	631.7	633.5	635.4	637.2	639.1	641.0	642.8	642.8	642.8
20°	588.9	587.1	588.9	590.8	592.7	594.5	596.4	600.1	601.9	601.9	601.9
22.5°	544.3	542.5	544.3	546.2	548.1	549.9	555.5	557.4	559.2	559.2	562.9
25°	499.8	499.8	501.6	503.5	505.3	507.2	510.9	514.6	516.5	518.3	518.3
27.5°	458.9	458.9	458.9	458.9	462.6	466.3	470.0	473.8	475.6	477.5	477.5
30°	419.9	418.0	418.0	419.9	423.6	427.3	431.0	434.7	436.6	438.5	440.3
32.5°	380.9	380.9	380.9	382.7	384.6	390.1	393.9	395.7	399.4	401.3	401.3
35°	345.6	345.6	345.6	349.3	353.0	356.7	358.6	362.3	366.0	366.0	366.0
37.5°	315.8	317.7	321.4	319.5	319.5	321.4	323.3	327.0	330.7	330.7	330.7
40°	282.4	284.3	286.1	284.3	286.1	289.8	291.7	293.5	295.4	297.3	297.3
42.5°	250.8	250.8	250.8	252.7	256.4	258.2	262.0	263.8	265.7	265.7	265.7
45°	224.8	224.8	226.7	228.5	230.4	232.2	234.1	235.9	237.8	237.8	237.8
47.5°	202.5	202.5	204.4	204.4	206.2	208.1	209.9	209.9	211.8	213.7	211.8
50°	182.1	182.1	182.1	183.9	183.9	185.8	185.8	187.6	187.6	187.6	187.6
52.5°	161.6	161.6	161.6	161.6	163.5	163.5	163.5	165.3	165.3	165.3	165.3
55°	143.1	143.1	143.1	143.1	143.1	144.9	144.9	144.9	144.9	144.9	144.9
57.5°	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3
60°	109.6	109.6	109.6	109.6	109.6	107.8	109.6	109.6	109.6	109.6	109.6
62.5°	92.9	92.9	92.9	92.9	92.9	92.9	92.9	94.8	94.8	94.8	94.8
65°	76.2	78.0	78.0	78.0	78.0	78.0	78.0	79.9	79.9	79.9	79.9
67.5°	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	65.0	65.0	65.0
70°	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	50.2
72.5°	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	35.3	35.3	35.3
75°	24.2	24.2	24.2	24.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
77.5°	16.7	16.7	16.7	14.9	14.9	13.0	13.0	13.0	13.0	13.0	11.1
80°	9.3	9.3	9.3	9.3	9.3	7.4	7.4	5.6	5.6	5.6	5.6
82.5°	5.6	5.6	5.6	3.7	3.7	3.7	3.7	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9	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)