

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: P3ART05R709835DE010 E3CLDWW1MMS

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: P3ART05R709835DE010 E3CLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

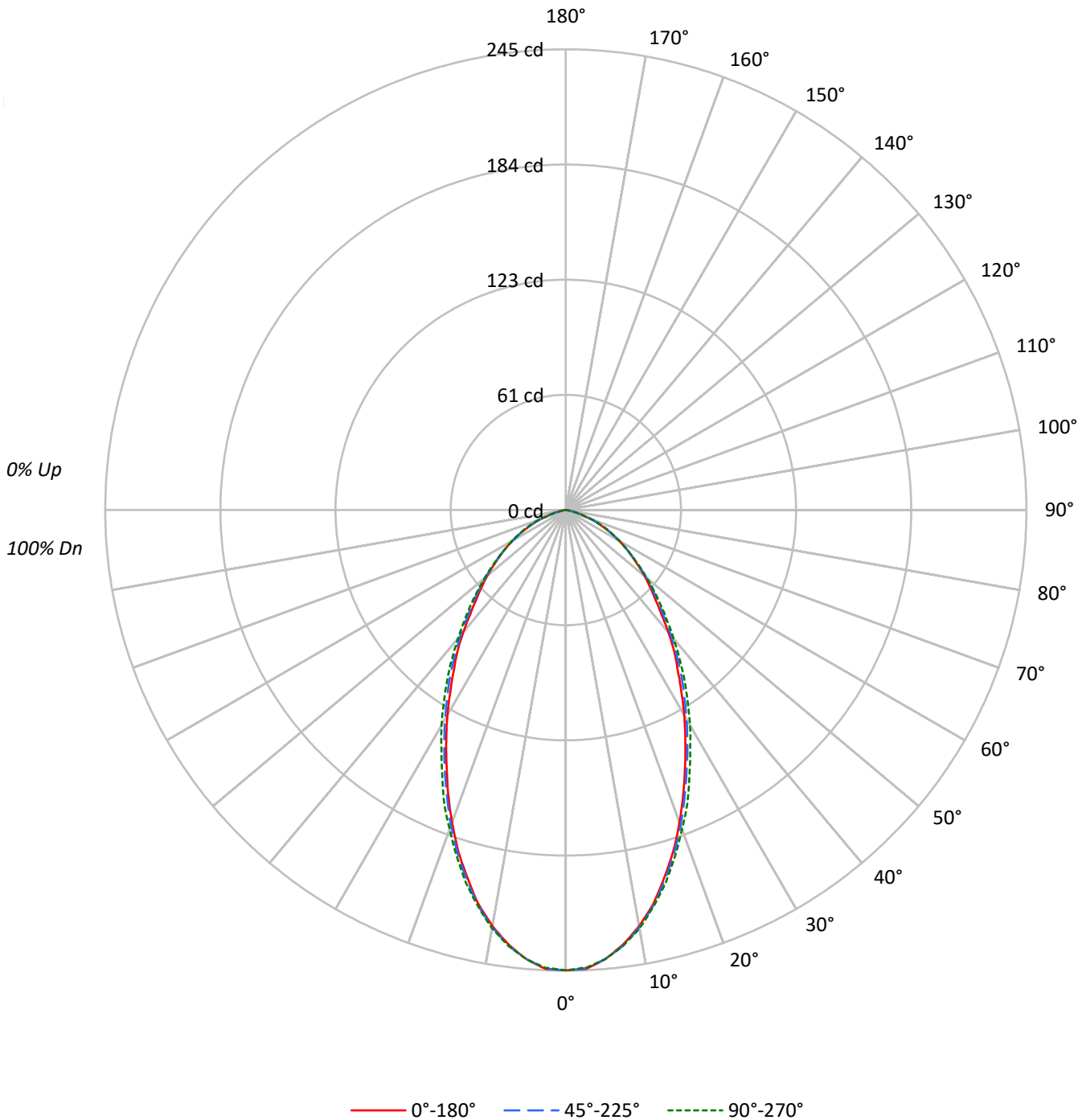
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 341.0 lumens
Efficiency: N/A
Efficacy: 47.4 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): 7.2
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	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°	53680	53680	53680
5°	52784	52784	52784
10°	50032	50166	50300
15°	45948	46220	46584
20°	41257	41654	42167
25°	36292	36825	37647
30°	31904	32486	33474
35°	27760	28670	29419
40°	24274	24904	25534
45°	20932	21615	22142
50°	18660	19036	19206
55°	16401	16630	16630
60°	14429	14166	14429
65°	11882	12141	12453
70°	9296	9296	9681
75°	6100	5676	5676
80°	3536	2778	2147
85°	1510	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 22142 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	6.6
10°-20°	56.9	16.7
20°-30°	70.1	20.6
30°-40°	66.8	19.6
40°-50°	54.1	15.9
50°-60°	38.9	11.4
60°-70°	23.3	6.8
70°-80°	7.8	2.3
80°-90°	0.7	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°	149.4	43.8
0°-40°	216.2	63.4
0°-60°	309.2	90.7
0°-90°	341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	245	245	245	245	245	
5°	240	240	240	240	240	22
15°	202	203	204	204	205	57
25°	150	151	152	155	156	69
35°	104	105	107	109	110	65
45°	68	68	70	71	71	53
55°	43	43	44	44	44	39
65°	23	23	23	24	24	23
75°	7	7	7	7	7	8
85°	1	1	0	0	0	1
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°	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8
2°	244.3	244.3	244.3	244.3	244.3	244.3	244.3	244.3	244.3	244.3	243.7
2.5°	244.3	243.7	243.7	243.7	243.7	243.7	243.7	243.7	243.7	244.3	243.7
5°	239.8	239.8	239.8	239.8	239.8	239.8	239.8	239.8	240.4	239.8	239.8
7.5°	233.1	233.1	233.1	233.1	233.7	233.7	233.7	233.7	234.2	234.2	233.7
10°	224.7	224.7	224.7	224.7	225.3	225.3	225.9	225.3	225.3	225.9	225.9
12.5°	214.7	214.1	214.1	214.1	214.7	215.3	215.3	215.3	215.8	215.8	215.8
15°	202.4	202.4	202.4	203.0	203.0	203.6	204.1	204.1	204.7	204.7	205.2
17.5°	190.2	190.2	189.6	190.2	190.7	191.3	191.8	192.4	193.0	193.0	193.0
20°	176.8	176.2	176.8	177.3	177.9	178.5	179.0	180.1	180.7	180.7	180.7
22.5°	163.4	162.8	163.4	164.0	164.5	165.1	166.7	167.3	167.9	167.9	169.0
25°	150.0	150.0	150.6	151.1	151.7	152.2	153.4	154.5	155.0	155.6	155.6
27.5°	137.7	137.7	137.7	137.7	138.9	140.0	141.1	142.2	142.8	143.3	143.3
30°	126.0	125.5	125.5	126.0	127.2	128.3	129.4	130.5	131.1	131.6	132.2
32.5°	114.3	114.3	114.3	114.9	115.4	117.1	118.2	118.8	119.9	120.5	120.5
35°	103.7	103.7	103.7	104.8	106.0	107.1	107.6	108.7	109.9	109.9	109.9
37.5°	94.8	95.4	96.5	95.9	95.9	96.5	97.0	98.2	99.3	99.3	99.3
40°	84.8	85.3	85.9	85.3	85.9	87.0	87.6	88.1	88.7	89.2	89.2
42.5°	75.3	75.3	75.3	75.8	77.0	77.5	78.6	79.2	79.7	79.7	79.7
45°	67.5	67.5	68.0	68.6	69.2	69.7	70.3	70.8	71.4	71.4	71.4
47.5°	60.8	60.8	61.3	61.3	61.9	62.5	63.0	63.0	63.6	64.1	63.6
50°	54.7	54.7	54.7	55.2	55.2	55.8	55.8	56.3	56.3	56.3	56.3
52.5°	48.5	48.5	48.5	48.5	49.1	49.1	49.1	49.6	49.6	49.6	49.6
55°	42.9	42.9	42.9	42.9	42.9	43.5	43.5	43.5	43.5	43.5	43.5
57.5°	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
60°	32.9	32.9	32.9	32.9	32.9	32.3	32.9	32.9	32.9	32.9	32.9
62.5°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	28.4	28.4	28.4	28.4
65°	22.9	23.4	23.4	23.4	23.4	23.4	23.4	24.0	24.0	24.0	24.0
67.5°	18.4	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.5	19.5	19.5
70°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	15.1
72.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.6	10.6	10.6
75°	7.2	7.2	7.2	7.2	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	5.0	5.0	5.0	4.5	4.5	3.9	3.9	3.9	3.9	3.9	3.3
80°	2.8	2.8	2.8	2.8	2.8	2.2	2.2	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.1	1.1	1.1	1.1	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	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)