

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: P3ART05R70W2N902750DE010 E3CLDWW1MMS_2700K

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: P3ART05R70W2N902750DE010 E3CLDWW1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

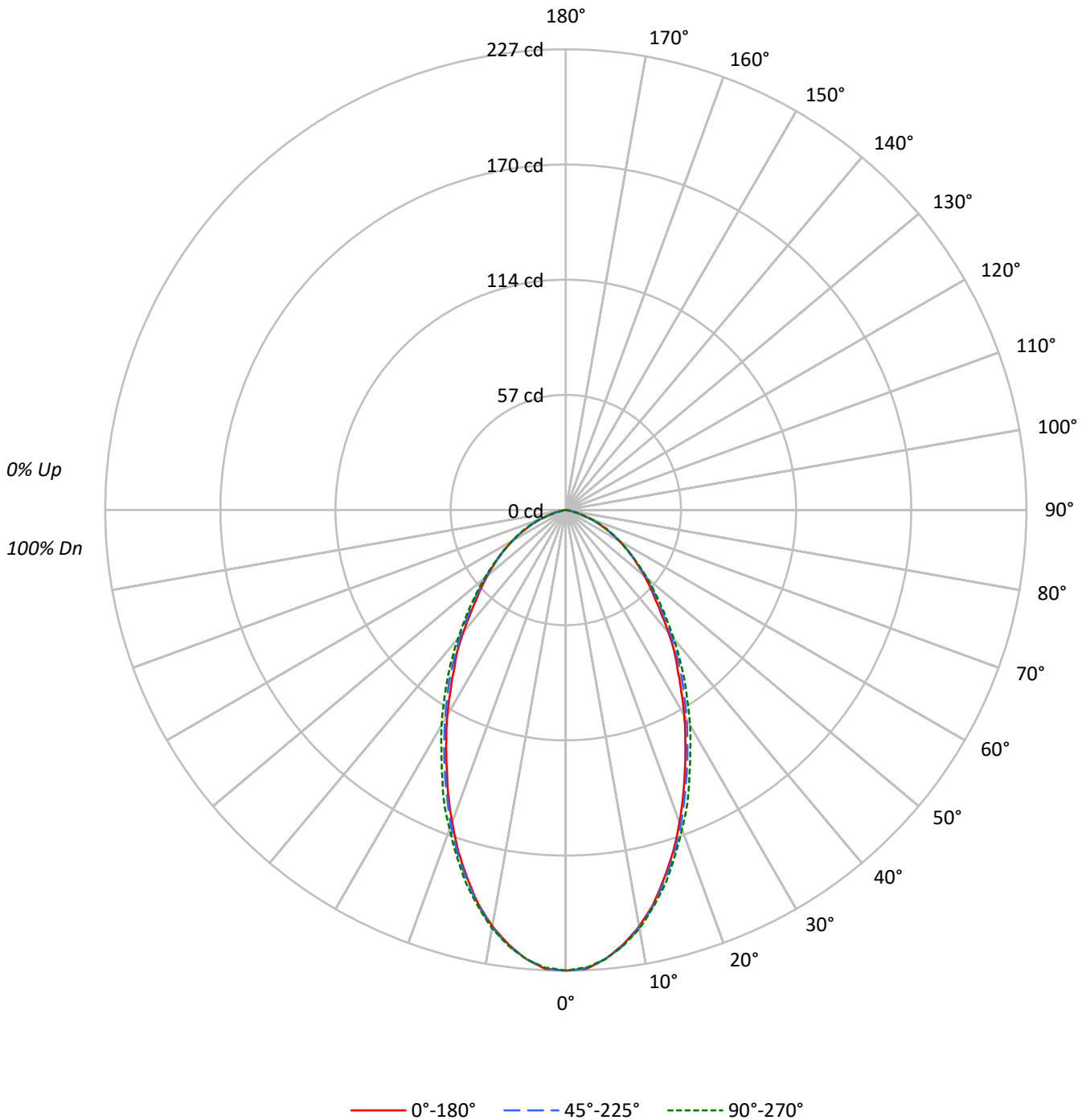
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 316.0 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): 5.9
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

TEST NUMBER: P#
CATALOG NUMBER: P3ART05R70W2N902750DE010 E3CLDWW1MMS_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART05R70W2N902750DE010 E3CLDWW1MMS_2700K

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°	49755	49755	49755
5°	48910	48910	48910
10°	46381	46492	46603
15°	42588	42815	43178
20°	38223	38597	39063
25°	33631	34139	34889
30°	29574	30106	31017
35°	25725	26555	27251
40°	22499	23072	23673
45°	19382	20033	20498
50°	17262	17637	17808
55°	15216	15407	15407
60°	13376	13157	13376
65°	11000	11259	11519
70°	8591	8591	8976
75°	5676	5253	5253
80°	3283	2652	2020
85°	1258	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 20498 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART05R70W2N902750DE010 E3CLDWW1MMS_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	6.6
10°-20°	52.7	16.7
20°-30°	65.0	20.6
30°-40°	61.9	19.6
40°-50°	50.1	15.9
50°-60°	36.1	11.4
60°-70°	21.6	6.8
70°-80°	7.2	2.3
80°-90°	0.6	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°	138.4	43.8
0°-40°	200.4	63.4
0°-60°	286.5	90.7
0°-90°	316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	316.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	227	227	227	227	227	
5°	222	222	222	222	222	21
15°	188	188	189	189	190	52
25°	139	140	141	143	144	64
35°	96	97	99	101	102	60
45°	62	63	65	66	66	49
55°	40	40	40	40	40	36
65°	21	22	22	22	22	21
75°	7	7	6	6	6	8
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70W2N902750DE010 E3CLDWW1MMS_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	226.9	226.9	226.9	226.9	226.9	226.9	226.9	226.9	226.9	226.9	226.9
2°	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	225.8
2.5°	226.4	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	226.4	225.8
5°	222.2	222.2	222.2	222.2	222.2	222.2	222.2	222.2	222.7	222.2	222.2
7.5°	216.0	216.0	216.0	216.0	216.5	216.5	216.5	216.5	217.1	217.1	216.5
10°	208.3	208.3	208.3	208.3	208.8	208.8	209.3	208.8	208.8	209.3	209.3
12.5°	199.0	198.4	198.4	198.4	199.0	199.5	199.5	199.5	200.0	200.0	200.0
15°	187.6	187.6	187.6	188.1	188.1	188.6	189.1	189.1	189.7	189.7	190.2
17.5°	176.2	176.2	175.7	176.2	176.7	177.3	177.8	178.3	178.8	178.8	178.8
20°	163.8	163.3	163.8	164.3	164.9	165.4	165.9	166.9	167.4	167.4	167.4
22.5°	151.4	150.9	151.4	151.9	152.5	153.0	154.5	155.0	155.6	155.6	156.6
25°	139.0	139.0	139.5	140.1	140.6	141.1	142.1	143.2	143.7	144.2	144.2
27.5°	127.6	127.6	127.6	127.6	128.7	129.7	130.7	131.8	132.3	132.8	132.8
30°	116.8	116.3	116.3	116.8	117.8	118.9	119.9	120.9	121.4	122.0	122.5
32.5°	105.9	105.9	105.9	106.5	107.0	108.5	109.6	110.1	111.1	111.6	111.6
35°	96.1	96.1	96.1	97.2	98.2	99.2	99.7	100.8	101.8	101.8	101.8
37.5°	87.9	88.4	89.4	88.9	88.9	89.4	89.9	91.0	92.0	92.0	92.0
40°	78.6	79.1	79.6	79.1	79.6	80.6	81.1	81.7	82.2	82.7	82.7
42.5°	69.8	69.8	69.8	70.3	71.3	71.8	72.9	73.4	73.9	73.9	73.9
45°	62.5	62.5	63.0	63.6	64.1	64.6	65.1	65.6	66.1	66.1	66.1
47.5°	56.3	56.3	56.8	56.8	57.4	57.9	58.4	58.4	58.9	59.4	58.9
50°	50.6	50.6	50.6	51.2	51.2	51.7	51.7	52.2	52.2	52.2	52.2
52.5°	45.0	45.0	45.0	45.0	45.5	45.5	45.5	46.0	46.0	46.0	46.0
55°	39.8	39.8	39.8	39.8	39.8	40.3	40.3	40.3	40.3	40.3	40.3
57.5°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
60°	30.5	30.5	30.5	30.5	30.5	30.0	30.5	30.5	30.5	30.5	30.5
62.5°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	26.4	26.4	26.4	26.4
65°	21.2	21.7	21.7	21.7	21.7	21.7	21.7	22.2	22.2	22.2	22.2
67.5°	17.1	17.6	17.6	17.6	17.6	17.6	17.6	17.6	18.1	18.1	18.1
70°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	14.0
72.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.8	9.8	9.8
75°	6.7	6.7	6.7	6.7	6.2	6.2	6.2	6.2	6.2	6.2	6.2
77.5°	4.7	4.7	4.7	4.1	4.1	3.6	3.6	3.6	3.6	3.6	3.1
80°	2.6	2.6	2.6	2.6	2.6	2.1	2.1	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5	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)