

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: P1445624

Luminaire Tested: P3ART05R709024DE010 E3LDWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445624
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: P3ART05R709024DE010 E3LDWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3LDWW1H TRIM
Light Source: -
Ballast/Driver: -

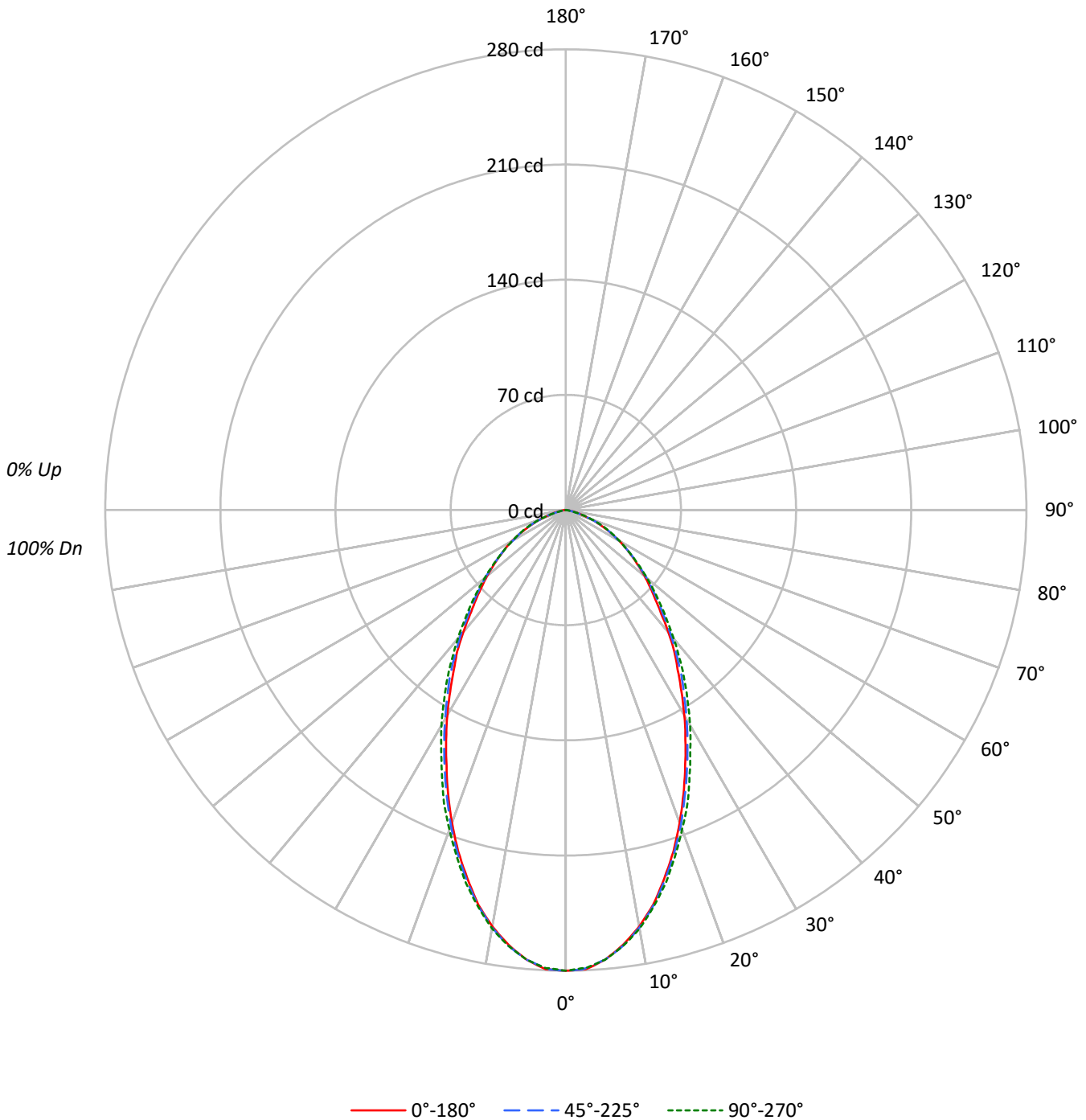
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 390.0 lumens
Efficiency: N/A
Efficacy: 54.2 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	91	91	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	80	80	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	57	57	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	51	51	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	61399	61399	61399
5°	60378	60378	60378
10°	57225	57380	57514
15°	52554	52849	53281
20°	47184	47627	48234
25°	41519	42123	43067
30°	36487	37145	38284
35°	31748	32792	33649
40°	27738	28482	29226
45°	23940	24716	25305
50°	21321	21765	21969
55°	18771	19001	19001
60°	16490	16227	16490
65°	13594	13906	14217
70°	10643	10643	11028
75°	7032	6524	6524
80°	4041	3283	2399
85°	1510	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 25305 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	6.6
10°-20°	65.0	16.7
20°-30°	80.2	20.6
30°-40°	76.4	19.6
40°-50°	61.8	15.9
50°-60°	44.5	11.4
60°-70°	26.7	6.8
70°-80°	8.9	2.3
80°-90°	0.8	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°	170.9	43.8
0°-40°	247.3	63.4
0°-60°	353.6	90.7
0°-90°	390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	390.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	280	280	280	280	280	
5°	274	274	274	274	274	26
15°	232	232	233	234	235	65
25°	172	173	174	177	178	79
35°	119	120	122	125	126	75
45°	77	78	80	81	82	60
55°	49	49	50	50	50	44
65°	26	27	27	27	27	26
75°	8	8	8	8	8	9
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°	280.0	280.0	280.0	280.0	280.0	280.0	280.0	280.0	280.0	280.0	280.0
2°	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	279.4	278.7
2.5°	279.4	278.7	278.7	278.7	278.7	278.7	278.7	278.7	278.7	279.4	278.7
5°	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.3	274.9	274.3	274.3
7.5°	266.6	266.6	266.6	266.6	267.2	267.2	267.2	267.2	267.9	267.9	267.2
10°	257.0	257.0	257.0	257.0	257.7	257.7	258.3	257.7	257.7	258.3	258.3
12.5°	245.6	244.9	244.9	244.9	245.6	246.2	246.2	246.2	246.8	246.8	246.8
15°	231.5	231.5	231.5	232.2	232.2	232.8	233.4	233.4	234.1	234.1	234.7
17.5°	217.5	217.5	216.9	217.5	218.1	218.8	219.4	220.0	220.7	220.7	220.7
20°	202.2	201.6	202.2	202.8	203.5	204.1	204.7	206.0	206.7	206.7	206.7
22.5°	186.9	186.2	186.9	187.5	188.2	188.8	190.7	191.3	192.0	192.0	193.3
25°	171.6	171.6	172.2	172.8	173.5	174.1	175.4	176.7	177.3	178.0	178.0
27.5°	157.5	157.5	157.5	157.5	158.8	160.1	161.4	162.6	163.3	163.9	163.9
30°	144.1	143.5	143.5	144.1	145.4	146.7	148.0	149.2	149.9	150.5	151.2
32.5°	130.8	130.8	130.8	131.4	132.0	133.9	135.2	135.9	137.1	137.8	137.8
35°	118.6	118.6	118.6	119.9	121.2	122.5	123.1	124.4	125.7	125.7	125.7
37.5°	108.4	109.1	110.3	109.7	109.7	110.3	111.0	112.3	113.5	113.5	113.5
40°	96.9	97.6	98.2	97.6	98.2	99.5	100.1	100.8	101.4	102.1	102.1
42.5°	86.1	86.1	86.1	86.7	88.0	88.7	89.9	90.6	91.2	91.2	91.2
45°	77.2	77.2	77.8	78.5	79.1	79.7	80.4	81.0	81.6	81.6	81.6
47.5°	69.5	69.5	70.2	70.2	70.8	71.4	72.1	72.1	72.7	73.3	72.7
50°	62.5	62.5	62.5	63.1	63.1	63.8	63.8	64.4	64.4	64.4	64.4
52.5°	55.5	55.5	55.5	55.5	56.1	56.1	56.1	56.8	56.8	56.8	56.8
55°	49.1	49.1	49.1	49.1	49.1	49.7	49.7	49.7	49.7	49.7	49.7
57.5°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
60°	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
62.5°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.5	32.5	32.5	32.5
65°	26.2	26.8	26.8	26.8	26.8	26.8	26.8	27.4	27.4	27.4	27.4
67.5°	21.0	21.7	21.7	21.7	21.7	21.7	21.7	21.7	22.3	22.3	22.3
70°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	17.2
72.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	12.1	12.1	12.1
75°	8.3	8.3	8.3	8.3	7.7	7.7	7.7	7.7	7.7	7.7	7.7
77.5°	5.7	5.7	5.7	5.1	5.1	4.5	4.5	4.5	4.5	4.5	3.8
80°	3.2	3.2	3.2	3.2	3.2	2.6	2.6	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.3	1.3	1.3	1.3	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)