

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: P1445774

Luminaire Tested: P3ART09R709027DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART09R709027DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

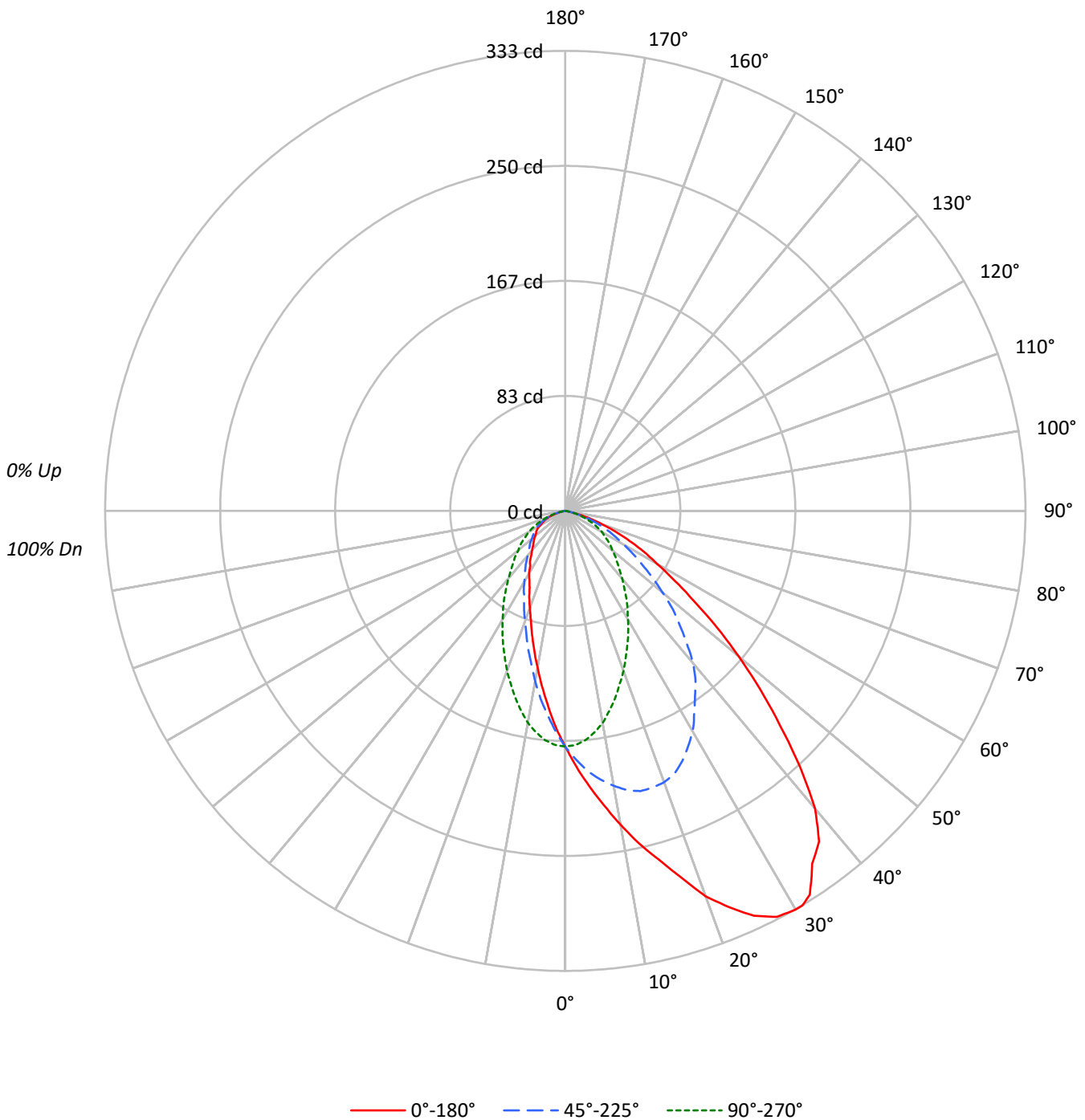
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 347.0 lumens
Efficiency: N/A
Efficacy: 31.3 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	37409	37409	37409	37409	37409
5°	44046	41668	36672	32555	31257
10°	51368	45000	34691	27877	25695
15°	59319	47673	31782	23496	21044
20°	69259	48771	28749	19788	17478
25°	78246	48414	25768	16936	14783
30°	84367	46691	22966	14990	13243
35°	83413	43821	20586	13465	11886
40°	80436	41191	18349	12137	10734
45°	68193	36376	16498	11319	10079
50°	55845	31283	15147	10746	9757
55°	43353	25997	14336	10552	9787
60°	33725	21621	13420	10394	9078
65°	26618	17901	11778	9703	8717
70°	18336	13271	9489	8207	7565
75°	9150	7540	6693	5846	4999
80°	1263	2526	3788	2526	1263
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 68193 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	4.6
10°-20°	44.4	12.8
20°-30°	65.5	18.9
30°-40°	73.4	21.2
40°-50°	64.5	18.6
50°-60°	46.2	13.3
60°-70°	27.4	7.9
70°-80°	9.2	2.6
80°-90°	0.4	0.1
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°	125.9	36.3
0°-40°	199.3	57.4
0°-60°	310.0	89.3
0°-90°	347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	347.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	171	171	171	171	171	
5°	200	189	167	148	142	20
15°	261	210	140	104	93	75
25°	323	200	106	70	61	149
35°	312	164	77	50	44	196
45°	220	117	53	36	32	170
55°	113	68	38	28	26	104
65°	51	34	23	19	17	51
75°	11	9	8	7	6	13
85°	0	0	0	0	0	0
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°	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6
2.5°	185.4	185.4	185.4	183.4	183.4	180.4	178.5	175.5	173.5	170.6	169.6
5°	200.1	200.1	198.2	196.2	193.2	189.3	184.4	179.4	173.5	168.6	166.6
7.5°	214.9	215.9	213.0	209.0	203.1	196.2	189.3	181.4	172.5	165.6	161.7
10°	230.7	230.7	226.8	220.8	212.0	202.1	191.3	180.4	169.6	159.7	155.8
12.5°	246.5	245.5	240.6	231.7	220.8	207.0	192.3	178.5	165.6	153.8	147.9
15°	261.3	261.3	254.4	243.5	227.7	210.0	192.3	174.5	159.7	145.9	140.0
17.5°	278.0	278.0	269.2	252.4	232.7	210.0	189.3	169.6	152.8	138.0	131.1
20°	296.8	295.8	283.0	260.3	234.7	209.0	185.4	163.7	144.9	129.2	123.2
22.5°	310.6	309.6	294.8	267.2	235.6	206.1	178.5	155.8	137.0	121.3	114.4
25°	323.4	321.4	304.7	270.1	233.7	200.1	171.6	146.9	129.2	113.4	106.5
27.5°	331.3	330.3	311.6	269.2	228.7	192.3	162.7	139.0	120.3	104.5	98.6
30°	333.2	334.2	311.6	264.2	220.8	184.4	153.8	130.1	111.4	97.6	90.7
31°	333.2	334.2	309.6	261.3	217.9	180.4	149.9	127.2	107.5	93.7	87.7
32.5°	329.3	327.3	306.6	256.3	211.0	173.5	144.9	122.3	102.5	88.7	83.8
35°	311.6	312.5	296.8	245.5	201.1	163.7	135.1	112.4	93.7	81.8	76.9
37.5°	301.7	301.7	273.1	230.7	190.3	154.8	123.2	101.6	85.8	74.9	70.0
40°	281.0	278.0	251.4	214.9	177.5	143.9	116.3	94.6	78.9	68.0	64.1
42.5°	251.4	248.5	227.7	201.1	160.7	130.1	110.4	83.8	71.0	62.1	58.2
45°	219.9	217.9	202.1	177.5	144.9	117.3	95.6	76.9	65.1	56.2	53.2
47.5°	191.3	188.3	176.5	157.7	131.1	105.5	82.8	69.0	58.2	51.3	49.3
50°	163.7	162.7	152.8	138.0	116.3	91.7	73.0	61.1	53.2	47.3	44.4
52.5°	138.0	136.1	131.1	119.3	101.6	79.9	64.1	54.2	47.3	43.4	41.4
55°	113.4	113.4	108.5	100.6	86.8	68.0	56.2	48.3	42.4	39.4	37.5
57.5°	93.7	93.7	89.7	84.8	72.0	58.2	49.3	42.4	38.5	35.5	33.5
60°	76.9	76.9	73.9	69.0	60.1	49.3	42.4	37.5	34.5	31.5	30.6
62.5°	64.1	63.1	61.1	56.2	49.3	41.4	36.5	32.5	29.6	27.6	26.6
65°	51.3	50.3	48.3	44.4	39.4	34.5	30.6	27.6	25.6	23.7	22.7
67.5°	39.4	39.4	37.5	34.5	30.6	27.6	24.6	22.7	20.7	19.7	18.7
70°	28.6	28.6	27.6	25.6	22.7	20.7	18.7	17.7	16.8	15.8	14.8
72.5°	19.7	19.7	18.7	17.7	15.8	14.8	12.8	12.8	11.8	11.8	10.8
75°	10.8	10.8	10.8	9.9	9.9	8.9	8.9	8.9	7.9	7.9	7.9
77.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
80°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6	170.6
2.5°	168.6	165.6	163.7	162.7	159.7	158.7	157.7	156.8	156.8	156.8
5°	164.6	159.7	154.8	151.8	147.9	145.9	143.9	143.0	142.0	142.0
7.5°	157.7	151.8	145.9	141.0	137.0	133.1	131.1	129.2	129.2	128.2
10°	150.8	143.0	136.1	129.2	125.2	120.3	118.3	116.3	115.4	115.4
12.5°	143.0	133.1	125.2	119.3	113.4	109.4	106.5	104.5	103.5	103.5
15°	134.1	124.2	115.4	109.4	103.5	98.6	95.6	93.7	92.7	92.7
17.5°	125.2	115.4	105.5	99.6	93.7	88.7	86.8	84.8	83.8	82.8
20°	117.3	105.5	97.6	89.7	84.8	80.8	77.9	75.9	74.9	74.9
22.5°	108.5	97.6	88.7	82.8	77.9	73.9	70.0	69.0	68.0	68.0
25°	99.6	89.7	81.8	75.9	70.0	67.0	64.1	62.1	62.1	61.1
27.5°	92.7	82.8	74.9	69.0	65.1	61.1	59.2	57.2	56.2	56.2
30°	84.8	75.9	69.0	64.1	59.2	56.2	54.2	52.3	52.3	52.3
31°	82.8	73.9	67.0	61.1	57.2	54.2	52.3	51.3	50.3	50.3
32.5°	77.9	70.0	63.1	58.2	54.2	51.3	49.3	48.3	48.3	47.3
35°	72.0	64.1	58.2	53.2	50.3	47.3	45.4	44.4	44.4	44.4
37.5°	66.1	59.2	53.2	49.3	46.3	43.4	42.4	40.4	40.4	40.4
40°	60.1	54.2	49.3	45.4	42.4	40.4	39.4	38.5	37.5	37.5
42.5°	55.2	49.3	45.4	42.4	39.4	37.5	36.5	35.5	35.5	34.5
45°	50.3	45.4	42.4	39.4	36.5	35.5	34.5	33.5	32.5	32.5
47.5°	46.3	42.4	38.5	36.5	34.5	32.5	31.5	31.5	30.6	30.6
50°	42.4	38.5	35.5	33.5	31.5	30.6	29.6	29.6	28.6	28.6
52.5°	39.4	35.5	33.5	31.5	29.6	28.6	27.6	27.6	26.6	26.6
55°	35.5	32.5	30.6	29.6	27.6	26.6	25.6	24.6	24.6	25.6
57.5°	32.5	30.6	28.6	27.6	25.6	24.6	23.7	23.7	22.7	23.7
60°	29.6	27.6	25.6	24.6	23.7	22.7	21.7	20.7	20.7	20.7
62.5°	26.6	24.6	23.7	21.7	20.7	20.7	19.7	19.7	19.7	18.7
65°	22.7	21.7	20.7	19.7	18.7	17.7	17.7	16.8	16.8	16.8
67.5°	18.7	17.7	16.8	16.8	15.8	14.8	14.8	14.8	14.8	13.8
70°	14.8	13.8	13.8	12.8	12.8	12.8	11.8	11.8	11.8	11.8
72.5°	10.8	10.8	9.9	9.9	9.9	9.9	8.9	8.9	8.9	8.9
75°	7.9	7.9	7.9	6.9	6.9	6.9	5.9	5.9	5.9	5.9
77.5°	4.9	4.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9
80°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)