

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: P1445696

Luminaire Tested: P3ART17R709027DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445696
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: P3ART17R709027DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

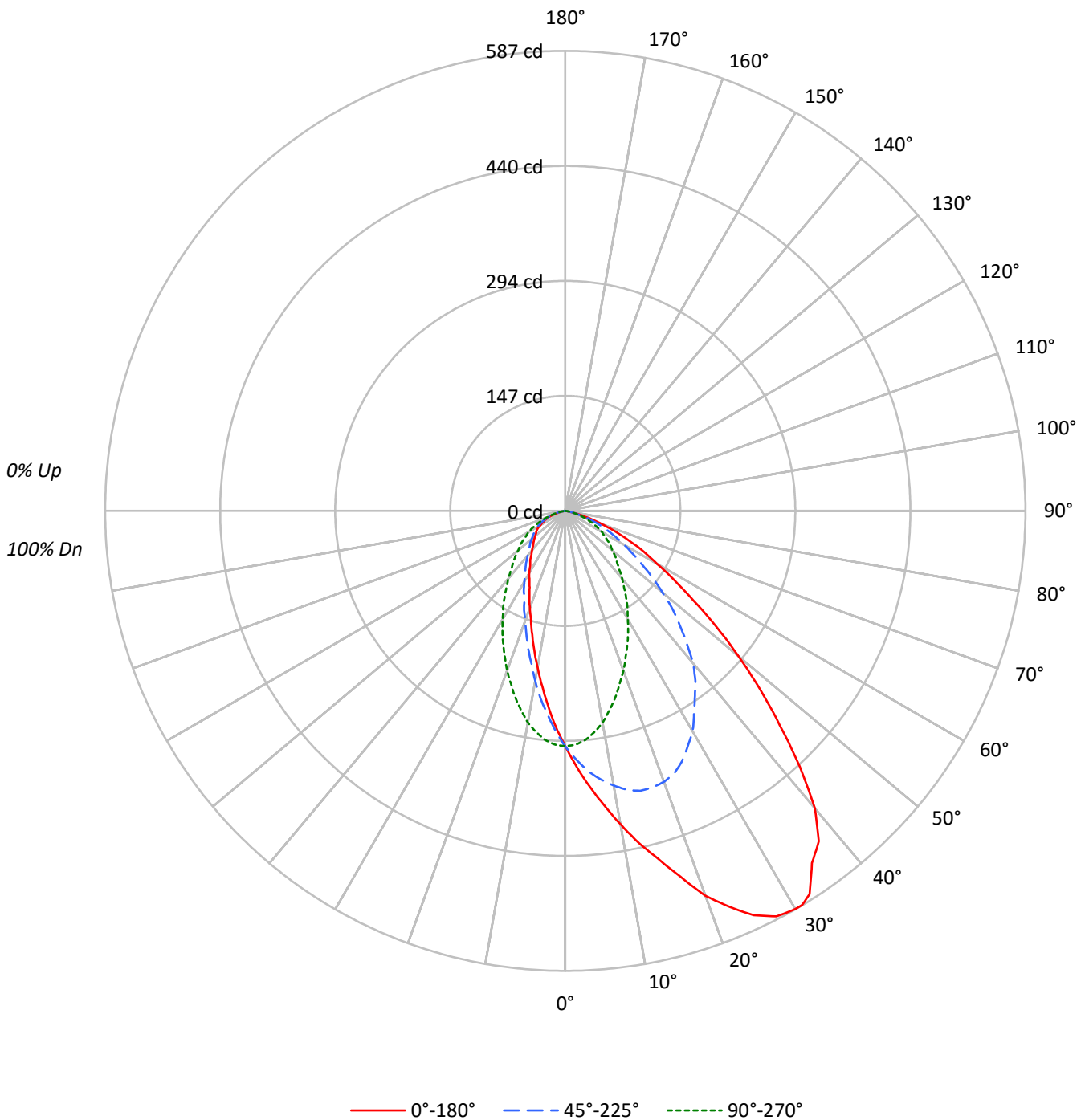
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 611.0 lumens
Efficiency: N/A
Efficacy: 28.8 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): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46	46	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41	41	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34	34	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	65850	65850	65850	65850	65850
5°	77570	73365	64583	57319	55030
10°	90446	79246	61077	49097	45223
15°	104427	83951	55959	41385	37049
20°	121927	85874	50638	34840	30779
25°	137766	85263	45366	29832	26034
30°	148580	82190	40437	26384	23295
35°	146856	77149	36246	23691	20907
40°	141637	72565	32289	21354	18893
45°	120043	64069	29057	19909	17769
50°	98317	55094	26643	18967	17159
55°	76308	45800	25232	18580	17242
60°	59381	38067	23595	18288	16007
65°	46853	31547	20703	17122	15306
70°	32249	23401	16669	14490	13336
75°	16182	13217	11777	10336	8811
80°	2147	4420	6566	4420	2147
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 120043 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	4.6
10°-20°	78.2	12.8
20°-30°	115.3	18.9
30°-40°	129.3	21.2
40°-50°	113.7	18.6
50°-60°	81.3	13.3
60°-70°	48.2	7.9
70°-80°	16.2	2.6
80°-90°	0.8	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°	221.6	36.3
0°-40°	350.9	57.4
0°-60°	545.9	89.3
0°-90°	611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	300	300	300	300	300	
5°	352	333	293	260	250	35
15°	460	370	246	182	163	133
25°	569	352	188	123	108	262
35°	549	288	135	88	78	345
45°	387	207	94	64	57	299
55°	200	120	66	49	45	182
65°	90	61	40	33	30	90
75°	19	16	14	12	10	23
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°	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3
2.5°	326.4	326.4	326.4	322.9	322.9	317.7	314.2	309.0	305.5	300.3	298.6
5°	352.4	352.4	348.9	345.5	340.3	333.3	324.6	316.0	305.5	296.9	293.4
7.5°	378.5	380.2	375.0	368.0	357.6	345.5	333.3	319.4	303.8	291.7	284.7
10°	406.2	406.2	399.3	388.9	373.2	355.9	336.8	317.7	298.6	281.2	274.3
12.5°	434.0	432.3	423.6	408.0	388.9	364.6	338.5	314.2	291.7	270.8	260.4
15°	460.0	460.0	447.9	428.8	401.0	369.8	338.5	307.3	281.2	256.9	246.5
17.5°	489.6	489.6	473.9	444.4	409.7	369.8	333.3	298.6	269.1	243.0	230.9
20°	522.5	520.8	498.2	458.3	413.2	368.0	326.4	288.2	255.2	227.4	217.0
22.5°	546.8	545.1	519.1	470.5	414.9	362.8	314.2	274.3	241.3	213.5	201.4
25°	569.4	565.9	536.4	475.7	411.4	352.4	302.1	258.7	227.4	199.6	187.5
27.5°	583.3	581.6	548.6	473.9	402.8	338.5	286.4	244.8	211.8	184.0	173.6
30°	586.8	588.5	548.6	465.3	388.9	324.6	270.8	229.2	196.2	171.9	159.7
31°	586.8	588.5	545.1	460.0	383.7	317.7	263.9	223.9	189.2	164.9	154.5
32.5°	579.8	576.4	539.9	451.4	371.5	305.5	255.2	215.3	180.5	156.2	147.6
35°	548.6	550.3	522.5	432.3	354.1	288.2	237.8	197.9	164.9	144.1	135.4
37.5°	531.2	531.2	480.9	406.2	335.1	272.6	217.0	178.8	151.0	131.9	123.3
40°	494.8	489.6	442.7	378.5	312.5	253.5	204.9	166.7	138.9	119.8	112.8
42.5°	442.7	437.5	401.0	354.1	283.0	229.2	194.4	147.6	125.0	109.4	102.4
45°	387.1	383.7	355.9	312.5	255.2	206.6	168.4	135.4	114.6	99.0	93.7
47.5°	336.8	331.6	310.7	277.8	230.9	185.8	145.8	121.5	102.4	90.3	86.8
50°	288.2	286.4	269.1	243.0	204.9	161.5	128.5	107.6	93.7	83.3	78.1
52.5°	243.0	239.6	230.9	210.1	178.8	140.6	112.8	95.5	83.3	76.4	72.9
55°	199.6	199.6	191.0	177.1	152.8	119.8	99.0	85.1	74.6	69.4	66.0
57.5°	164.9	164.9	158.0	149.3	126.7	102.4	86.8	74.6	67.7	62.5	59.0
60°	135.4	135.4	130.2	121.5	105.9	86.8	74.6	66.0	60.8	55.6	53.8
62.5°	112.8	111.1	107.6	99.0	86.8	72.9	64.2	57.3	52.1	48.6	46.9
65°	90.3	88.5	85.1	78.1	69.4	60.8	53.8	48.6	45.1	41.7	39.9
67.5°	69.4	69.4	66.0	60.8	53.8	48.6	43.4	39.9	36.5	34.7	33.0
70°	50.3	50.3	48.6	45.1	39.9	36.5	33.0	31.2	29.5	27.8	26.0
72.5°	34.7	34.7	33.0	31.2	27.8	26.0	22.6	22.6	20.8	20.8	19.1
75°	19.1	19.1	19.1	17.4	17.4	15.6	15.6	15.6	13.9	13.9	13.9
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5	5.2	5.2	5.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
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°	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3	300.3
2.5°	296.9	291.7	288.2	286.4	281.2	279.5	277.8	276.0	276.0	276.0
5°	289.9	281.2	272.6	267.3	260.4	256.9	253.5	251.7	250.0	250.0
7.5°	277.8	267.3	256.9	248.3	241.3	234.4	230.9	227.4	227.4	225.7
10°	265.6	251.7	239.6	227.4	220.5	211.8	208.3	204.9	203.1	203.1
12.5°	251.7	234.4	220.5	210.1	199.6	192.7	187.5	184.0	182.3	182.3
15°	236.1	218.7	203.1	192.7	182.3	173.6	168.4	164.9	163.2	163.2
17.5°	220.5	203.1	185.8	175.3	164.9	156.2	152.8	149.3	147.6	145.8
20°	206.6	185.8	171.9	158.0	149.3	142.4	137.1	133.7	131.9	131.9
22.5°	191.0	171.9	156.2	145.8	137.1	130.2	123.3	121.5	119.8	119.8
25°	175.3	158.0	144.1	133.7	123.3	118.0	112.8	109.4	109.4	107.6
27.5°	163.2	145.8	131.9	121.5	114.6	107.6	104.2	100.7	99.0	99.0
30°	149.3	133.7	121.5	112.8	104.2	99.0	95.5	92.0	92.0	92.0
31°	145.8	130.2	118.0	107.6	100.7	95.5	92.0	90.3	88.5	88.5
32.5°	137.1	123.3	111.1	102.4	95.5	90.3	86.8	85.1	85.1	83.3
35°	126.7	112.8	102.4	93.7	88.5	83.3	79.9	78.1	78.1	78.1
37.5°	116.3	104.2	93.7	86.8	81.6	76.4	74.6	71.2	71.2	71.2
40°	105.9	95.5	86.8	79.9	74.6	71.2	69.4	67.7	66.0	66.0
42.5°	97.2	86.8	79.9	74.6	69.4	66.0	64.2	62.5	62.5	60.8
45°	88.5	79.9	74.6	69.4	64.2	62.5	60.8	59.0	57.3	57.3
47.5°	81.6	74.6	67.7	64.2	60.8	57.3	55.6	55.6	53.8	53.8
50°	74.6	67.7	62.5	59.0	55.6	53.8	52.1	52.1	50.3	50.3
52.5°	69.4	62.5	59.0	55.6	52.1	50.3	48.6	48.6	46.9	46.9
55°	62.5	57.3	53.8	52.1	48.6	46.9	45.1	43.4	43.4	45.1
57.5°	57.3	53.8	50.3	48.6	45.1	43.4	41.7	41.7	39.9	41.7
60°	52.1	48.6	45.1	43.4	41.7	39.9	38.2	36.5	36.5	36.5
62.5°	46.9	43.4	41.7	38.2	36.5	36.5	34.7	34.7	34.7	33.0
65°	39.9	38.2	36.5	34.7	33.0	31.2	31.2	29.5	29.5	29.5
67.5°	33.0	31.2	29.5	29.5	27.8	26.0	26.0	26.0	26.0	24.3
70°	26.0	24.3	24.3	22.6	22.6	22.6	20.8	20.8	20.8	20.8
72.5°	19.1	19.1	17.4	17.4	17.4	17.4	15.6	15.6	15.6	15.6
75°	13.9	13.9	13.9	12.2	12.2	12.2	10.4	10.4	10.4	10.4
77.5°	8.7	8.7	8.7	8.7	8.7	6.9	6.9	6.9	6.9	6.9
80°	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5	3.5	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	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)