

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: P1445748

Luminaire Tested: P3ART05R709027DE010 E3LCWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445748
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: P3ART05R709027DE010 E3LCWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

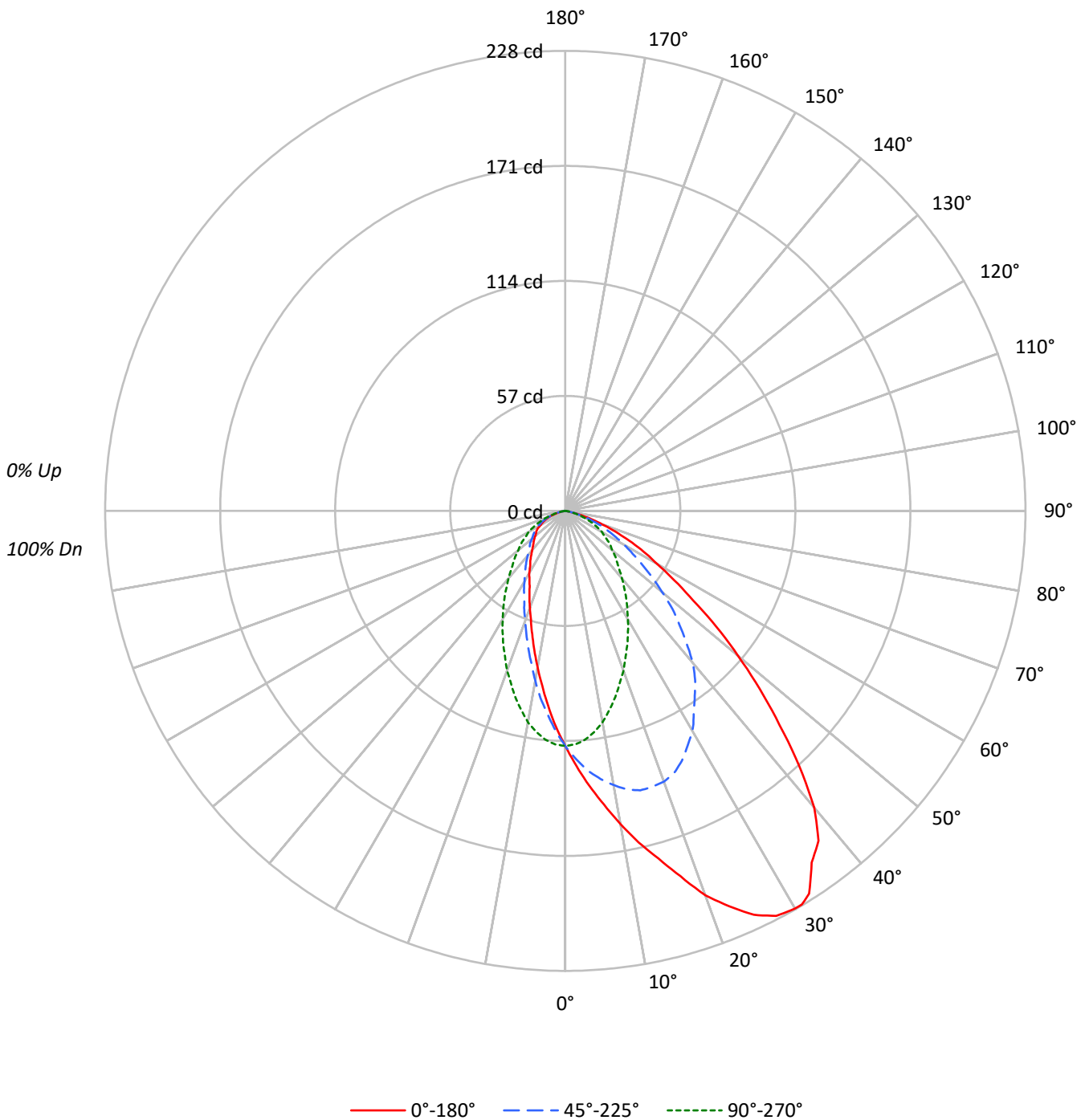
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 32.9 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): 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

TEST NUMBER: P1445748
CATALOG NUMBER: P3ART05R709027DE010 E3LCWW1H

Luminous Intensity Polar Plot





TEST NUMBER: P1445748

CATALOG NUMBER: P3ART05R709027DE010 E3LCWW1H

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°	25546	25546	25546	25546	25546
5°	30090	28461	25049	22232	21351
10°	35092	30728	23691	19038	17546
15°	40500	32554	21703	16050	14370
20°	47301	33323	19648	13511	11948
25°	53447	33074	17590	11565	10089
30°	57629	31878	15699	10229	9039
35°	56965	29928	14054	9182	8111
40°	54931	28138	12538	8301	7328
45°	46578	24840	11288	7722	6884
50°	38139	21355	10337	7335	6652
55°	29590	17777	9787	7226	6690
60°	23024	14780	9166	7105	6184
65°	18160	12245	8042	6641	5915
70°	12502	9040	6475	5642	5193
75°	6270	5168	4575	3982	3389
80°	884	1642	2526	1642	884
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 46578 cd/sqm



TEST NUMBER: P1445748

CATALOG NUMBER: P3ART05R709027DE010 E3LCWW1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	4.6
10°-20°	30.3	12.8
20°-30°	44.7	18.9
30°-40°	50.1	21.2
40°-50°	44.1	18.6
50°-60°	31.5	13.3
60°-70°	18.7	7.9
70°-80°	6.3	2.6
80°-90°	0.3	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°	86.0	36.3
0°-40°	136.1	57.4
0°-60°	211.8	89.3
0°-90°	237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	237.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	116	116	116	116	116	
5°	137	129	114	101	97	14
15°	178	143	96	71	63	51
25°	221	137	73	48	42	102
35°	213	112	52	34	30	134
45°	150	80	36	25	22	116
55°	77	46	26	19	18	71
65°	35	24	16	13	11	35
75°	7	6	5	5	4	9
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1445748

CATALOG NUMBER: P3ART05R709027DE010 E3LCWW1H

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5
2.5°	126.6	126.6	126.6	125.2	125.2	123.2	121.9	119.9	118.5	116.5	115.8
5°	136.7	136.7	135.4	134.0	132.0	129.3	125.9	122.6	118.5	115.1	113.8
7.5°	146.8	147.5	145.5	142.8	138.7	134.0	129.3	123.9	117.8	113.1	110.4
10°	157.6	157.6	154.9	150.8	144.8	138.0	130.6	123.2	115.8	109.1	106.4
12.5°	168.3	167.7	164.3	158.2	150.8	141.4	131.3	121.9	113.1	105.0	101.0
15°	178.4	178.4	173.7	166.3	155.6	143.4	131.3	119.2	109.1	99.7	95.6
17.5°	189.9	189.9	183.8	172.4	158.9	143.4	129.3	115.8	104.4	94.3	89.6
20°	202.7	202.0	193.3	177.8	160.3	142.8	126.6	111.8	99.0	88.2	84.2
22.5°	212.1	211.4	201.3	182.5	160.9	140.7	121.9	106.4	93.6	82.8	78.1
25°	220.9	219.5	208.1	184.5	159.6	136.7	117.2	100.3	88.2	77.4	72.7
27.5°	226.3	225.6	212.8	183.8	156.2	131.3	111.1	94.9	82.2	71.4	67.3
30°	227.6	228.3	212.8	180.5	150.8	125.9	105.0	88.9	76.1	66.7	62.0
31°	227.6	228.3	211.4	178.4	148.8	123.2	102.4	86.9	73.4	64.0	59.9
32.5°	224.9	223.6	209.4	175.1	144.1	118.5	99.0	83.5	70.0	60.6	57.2
35°	212.8	213.5	202.7	167.7	137.4	111.8	92.3	76.8	64.0	55.9	52.5
37.5°	206.1	206.1	186.5	157.6	130.0	105.7	84.2	69.4	58.6	51.2	47.8
40°	191.9	189.9	171.7	146.8	121.2	98.3	79.5	64.6	53.9	46.5	43.8
42.5°	171.7	169.7	155.6	137.4	109.8	88.9	75.4	57.2	48.5	42.4	39.7
45°	150.2	148.8	138.0	121.2	99.0	80.1	65.3	52.5	44.4	38.4	36.4
47.5°	130.6	128.6	120.5	107.7	89.6	72.1	56.6	47.1	39.7	35.0	33.7
50°	111.8	111.1	104.4	94.3	79.5	62.6	49.8	41.7	36.4	32.3	30.3
52.5°	94.3	92.9	89.6	81.5	69.4	54.5	43.8	37.0	32.3	29.6	28.3
55°	77.4	77.4	74.1	68.7	59.3	46.5	38.4	33.0	29.0	26.9	25.6
57.5°	64.0	64.0	61.3	57.9	49.2	39.7	33.7	29.0	26.3	24.2	22.9
60°	52.5	52.5	50.5	47.1	41.1	33.7	29.0	25.6	23.6	21.5	20.9
62.5°	43.8	43.1	41.7	38.4	33.7	28.3	24.9	22.2	20.2	18.9	18.2
65°	35.0	34.3	33.0	30.3	26.9	23.6	20.9	18.9	17.5	16.2	15.5
67.5°	26.9	26.9	25.6	23.6	20.9	18.9	16.8	15.5	14.1	13.5	12.8
70°	19.5	19.5	18.9	17.5	15.5	14.1	12.8	12.1	11.4	10.8	10.1
72.5°	13.5	13.5	12.8	12.1	10.8	10.1	8.8	8.8	8.1	8.1	7.4
75°	7.4	7.4	7.4	6.7	6.7	6.1	6.1	6.1	5.4	5.4	5.4
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	2.0	2.0	2.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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



TEST NUMBER: P1445748

CATALOG NUMBER: P3ART05R709027DE010 E3LCWW1H

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5
2.5°	115.1	113.1	111.8	111.1	109.1	108.4	107.7	107.1	107.1	107.1
5°	112.5	109.1	105.7	103.7	101.0	99.7	98.3	97.6	97.0	97.0
7.5°	107.7	103.7	99.7	96.3	93.6	90.9	89.6	88.2	88.2	87.5
10°	103.0	97.6	92.9	88.2	85.5	82.2	80.8	79.5	78.8	78.8
12.5°	97.6	90.9	85.5	81.5	77.4	74.7	72.7	71.4	70.7	70.7
15°	91.6	84.8	78.8	74.7	70.7	67.3	65.3	64.0	63.3	63.3
17.5°	85.5	78.8	72.1	68.0	64.0	60.6	59.3	57.9	57.2	56.6
20°	80.1	72.1	66.7	61.3	57.9	55.2	53.2	51.9	51.2	51.2
22.5°	74.1	66.7	60.6	56.6	53.2	50.5	47.8	47.1	46.5	46.5
25°	68.0	61.3	55.9	51.9	47.8	45.8	43.8	42.4	42.4	41.7
27.5°	63.3	56.6	51.2	47.1	44.4	41.7	40.4	39.1	38.4	38.4
30°	57.9	51.9	47.1	43.8	40.4	38.4	37.0	35.7	35.7	35.7
31°	56.6	50.5	45.8	41.7	39.1	37.0	35.7	35.0	34.3	34.3
32.5°	53.2	47.8	43.1	39.7	37.0	35.0	33.7	33.0	33.0	32.3
35°	49.2	43.8	39.7	36.4	34.3	32.3	31.0	30.3	30.3	30.3
37.5°	45.1	40.4	36.4	33.7	31.6	29.6	29.0	27.6	27.6	27.6
40°	41.1	37.0	33.7	31.0	29.0	27.6	26.9	26.3	25.6	25.6
42.5°	37.7	33.7	31.0	29.0	26.9	25.6	24.9	24.2	24.2	23.6
45°	34.3	31.0	29.0	26.9	24.9	24.2	23.6	22.9	22.2	22.2
47.5°	31.6	29.0	26.3	24.9	23.6	22.2	21.5	21.5	20.9	20.9
50°	29.0	26.3	24.2	22.9	21.5	20.9	20.2	20.2	19.5	19.5
52.5°	26.9	24.2	22.9	21.5	20.2	19.5	18.9	18.9	18.2	18.2
55°	24.2	22.2	20.9	20.2	18.9	18.2	17.5	16.8	16.8	17.5
57.5°	22.2	20.9	19.5	18.9	17.5	16.8	16.2	16.2	15.5	16.2
60°	20.2	18.9	17.5	16.8	16.2	15.5	14.8	14.1	14.1	14.1
62.5°	18.2	16.8	16.2	14.8	14.1	14.1	13.5	13.5	13.5	12.8
65°	15.5	14.8	14.1	13.5	12.8	12.1	12.1	11.4	11.4	11.4
67.5°	12.8	12.1	11.4	11.4	10.8	10.1	10.1	10.1	10.1	9.4
70°	10.1	9.4	9.4	8.8	8.8	8.8	8.1	8.1	8.1	8.1
72.5°	7.4	7.4	6.7	6.7	6.7	6.7	6.1	6.1	6.1	6.1
75°	5.4	5.4	5.4	4.7	4.7	4.7	4.0	4.0	4.0	4.0
77.5°	3.4	3.4	3.4	3.4	3.4	2.7	2.7	2.7	2.7	2.7
80°	2.0	2.0	2.0	2.0	1.3	1.3	1.3	1.3	1.3	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	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)