

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: P3ART13R70W2N902765DE010 E3LCWW1LI_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 (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART13R70W2N902765DE010 E3LCWW1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3LCWW1LI TRIM
Light Source: -
Ballast/Driver: -

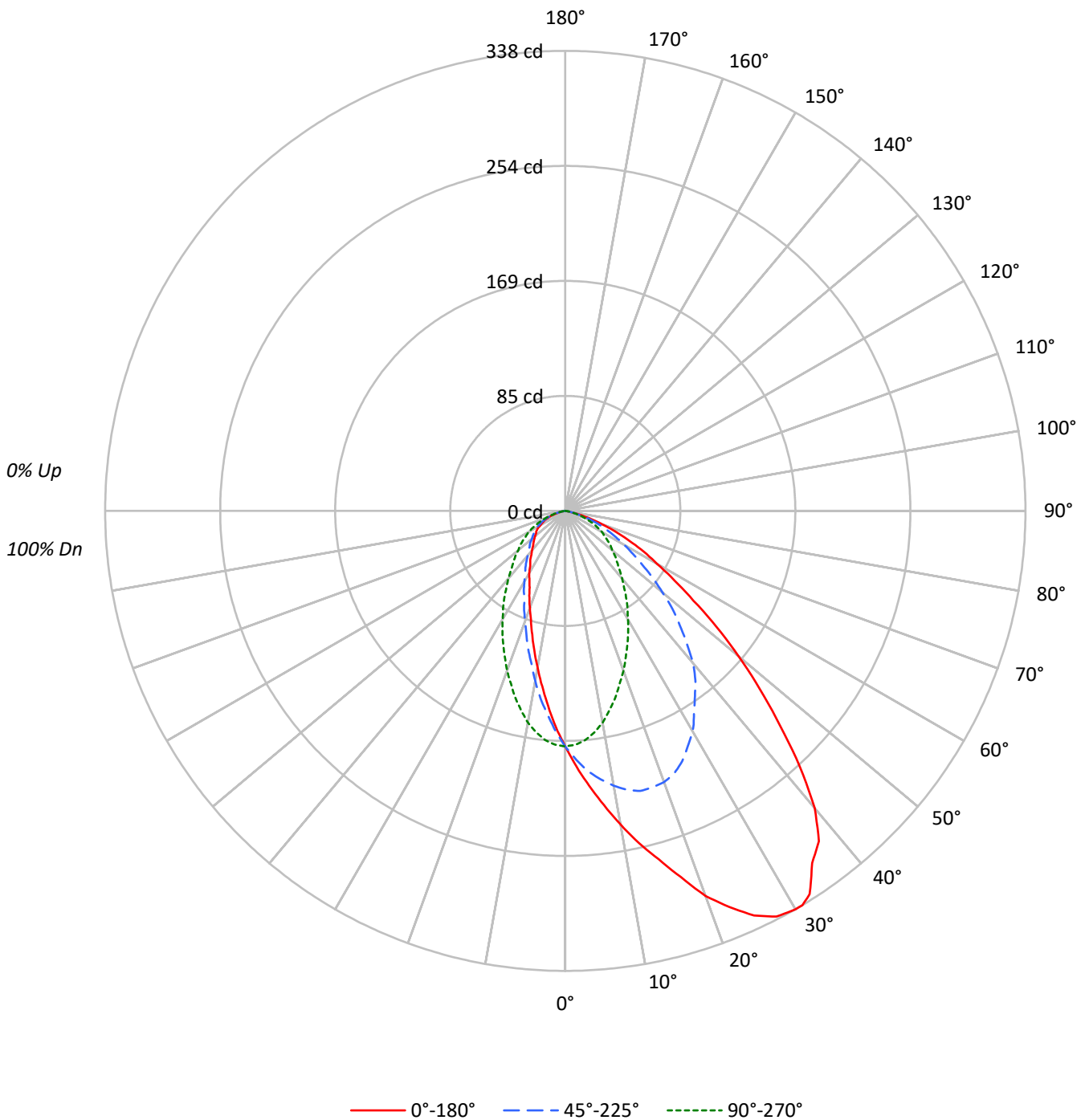
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 352.0 lumens
Efficiency: N/A
Efficacy: 28.6 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): 12.3
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: P3ART13R70W2N902765DE010 E3LCWW1LI_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70W2N902765DE010 E3LCWW1LI_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	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°	37936	37936	37936	37936	37936
5°	44684	42263	37200	33018	31697
10°	52103	45646	35181	28278	26052
15°	60159	48354	32236	23837	21340
20°	70239	49471	29169	20068	17735
25°	79359	49116	26131	17178	15001
30°	85583	47349	23295	15192	13420
35°	84591	44437	20880	13652	12046
40°	81581	41793	18606	12309	10878
45°	69154	36903	16746	11474	10234
50°	56629	31726	15351	10916	9893
55°	43965	26379	14528	10705	9940
60°	34208	21928	13595	10525	9210
65°	26981	18160	11934	9858	8821
70°	18593	13464	9617	8335	7694
75°	9320	7625	6778	5931	5083
80°	1263	2526	3788	2526	1263
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 69154 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART13R70W2N902765DE010 E3LCWW1LI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	4.6
10°-20°	45.1	12.8
20°-30°	66.4	18.9
30°-40°	74.5	21.2
40°-50°	65.5	18.6
50°-60°	46.8	13.3
60°-70°	27.7	7.9
70°-80°	9.3	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°	127.7	36.3
0°-40°	202.1	57.4
0°-60°	314.5	89.3
0°-90°	352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	352.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	173	173	173	173	173	
5°	203	192	169	150	144	20
15°	265	213	142	105	94	76
25°	328	203	108	71	62	151
35°	316	166	78	51	45	199
45°	223	119	54	37	33	172
55°	115	69	38	28	26	105
65°	52	35	23	19	17	52
75°	11	9	8	7	6	13
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70W2N902765DE010 E3LCWW1LI_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	173	173	173	173	173	173	173	173	173	173	173
2.5°	188	188	188	186	186	183	181	178	176	173	172
5°	203	203	201	199	196	192	187	182	176	171	169
7.5°	218	219	216	212	206	199	192	184	175	168	164
10°	234	234	230	224	215	205	194	183	172	162	158
12.5°	250	249	244	235	224	210	195	181	168	156	150
15°	265	265	258	247	231	213	195	177	162	148	142
17.5°	282	282	273	256	236	213	192	172	155	140	133
20°	301	300	287	264	238	212	188	166	147	131	125
22.5°	315	314	299	271	239	209	181	158	139	123	116
25°	328	326	309	274	237	203	174	149	131	115	108
27.5°	336	335	316	273	232	195	165	141	122	106	100
30°	338	339	316	268	224	187	156	132	113	99	92
31°	338	339	314	265	221	183	152	129	109	95	89
32.5°	334	332	311	260	214	176	147	124	104	90	85
35°	316	317	301	249	204	166	137	114	95	83	78
37.5°	306	306	277	234	193	157	125	103	87	76	71
40°	285	282	255	218	180	146	118	96	80	69	65
42.5°	255	252	231	204	163	132	112	85	72	63	59
45°	223	221	205	180	147	119	97	78	66	57	54
47.5°	194	191	179	160	133	107	84	70	59	52	50
50°	166	165	155	140	118	93	74	62	54	48	45
52.5°	140	138	133	121	103	81	65	55	48	44	42
55°	115	115	110	102	88	69	57	49	43	40	38
57.5°	95	95	91	86	73	59	50	43	39	36	34
60°	78	78	75	70	61	50	43	38	35	32	31
62.5°	65	64	62	57	50	42	37	33	30	28	27
65°	52	51	49	45	40	35	31	28	26	24	23
67.5°	40	40	38	35	31	28	25	23	21	20	19
70°	29	29	28	26	23	21	19	18	17	16	15
72.5°	20	20	19	18	16	15	13	13	12	12	11
75°	11	11	11	10	10	9	9	9	8	8	8
77.5°	5	5	5	5	5	5	5	5	5	5	5
80°	1	1	1	1	2	2	2	2	3	3	3
82.5°	0	0	0	0	0	0	1	1	1	1	1
85°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P#
 CATALOG NUMBER: P3ART13R70W2N902765DE010 E3LCWW1LI_2700K

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	173	173	173	173	173	173	173	173	173	173
2.5°	171	168	166	165	162	161	160	159	159	159
5°	167	162	157	154	150	148	146	145	144	144
7.5°	160	154	148	143	139	135	133	131	131	130
10°	153	145	138	131	127	122	120	118	117	117
12.5°	145	135	127	121	115	111	108	106	105	105
15°	136	126	117	111	105	100	97	95	94	94
17.5°	127	117	107	101	95	90	88	86	85	84
20°	119	107	99	91	86	82	79	77	76	76
22.5°	110	99	90	84	79	75	71	70	69	69
25°	101	91	83	77	71	68	65	63	63	62
27.5°	94	84	76	70	66	62	60	58	57	57
30°	86	77	70	65	60	57	55	53	53	53
31°	84	75	68	62	58	55	53	52	51	51
32.5°	79	71	64	59	55	52	50	49	49	48
35°	73	65	59	54	51	48	46	45	45	45
37.5°	67	60	54	50	47	44	43	41	41	41
40°	61	55	50	46	43	41	40	39	38	38
42.5°	56	50	46	43	40	38	37	36	36	35
45°	51	46	43	40	37	36	35	34	33	33
47.5°	47	43	39	37	35	33	32	32	31	31
50°	43	39	36	34	32	31	30	30	29	29
52.5°	40	36	34	32	30	29	28	28	27	27
55°	36	33	31	30	28	27	26	25	25	26
57.5°	33	31	29	28	26	25	24	24	23	24
60°	30	28	26	25	24	23	22	21	21	21
62.5°	27	25	24	22	21	21	20	20	20	19
65°	23	22	21	20	19	18	18	17	17	17
67.5°	19	18	17	17	16	15	15	15	15	14
70°	15	14	14	13	13	13	12	12	12	12
72.5°	11	11	10	10	10	10	9	9	9	9
75°	8	8	8	7	7	7	6	6	6	6
77.5°	5	5	5	5	5	4	4	4	4	4
80°	3	3	3	3	2	2	2	2	2	1
82.5°	1	1	1	1	1	1	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)