

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: P1345575

Luminaire Tested: P3A13R359830DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1345575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R359830DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

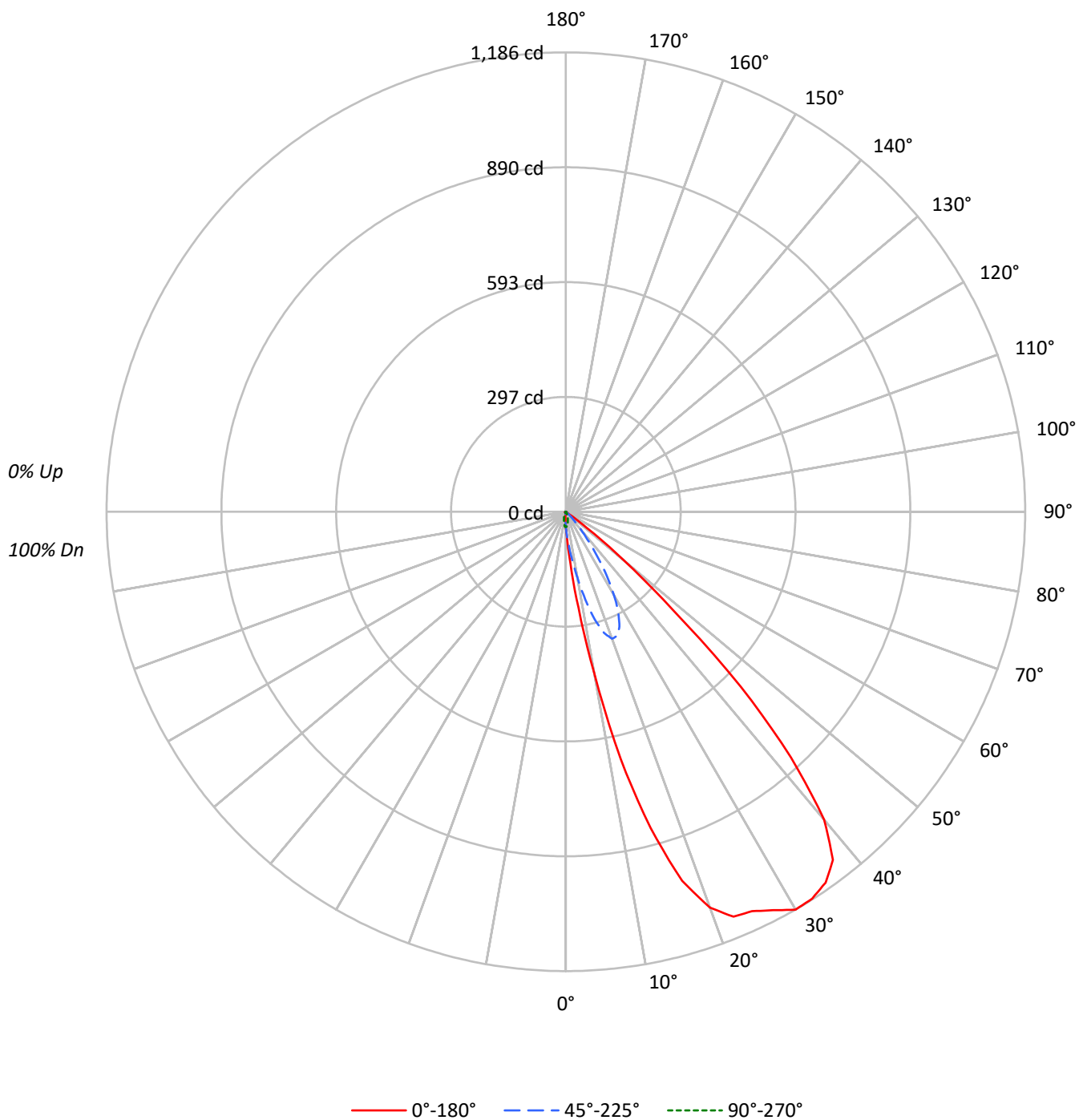
Lumens per Lamp: N/A
Luminaire Lumens: 373.0 lumens
Efficiency: N/A
Efficacy: 25.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1345575

CATALOG NUMBER: P3A13R359830DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1345575

CATALOG NUMBER: P3A13R359830DE010 E3A301GPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	93	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	84	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	76	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	69	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	56	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	51	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	46	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	42	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8596	8596	8596	8596	8596
5°	29254	19018	8034	3390	2509
10°	94164	38543	6346	1269	824
15°	191851	65381	4495	454	295
20°	253702	81417	2894	163	163
25°	275266	79142	1621	73	169
30°	300299	63073	684	76	177
35°	312906	39270	187	80	187
40°	296928	17146	86	200	286
45°	198222	6853	93	310	527
50°	66488	1126	239	443	682
55°	3708	115	268	650	879
60°	307	132	439	746	1009
65°	363	156	519	882	1193
70°	192	192	641	1090	1282
75°	254	254	847	1101	1440
80°	0	379	1263	1263	1263
85°	0	755	2516	755	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 198222 cd/sqm

TEST NUMBER: P1345575

CATALOG NUMBER: P3A13R359830DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	1.8
10°-20°	53.6	14.4
20°-30°	113.1	30.3
30°-40°	128.3	34.4
40°-50°	63.1	16.9
50°-60°	5.5	1.5
60°-70°	1.1	0.3
70°-80°	1.0	0.3
80°-90°	0.5	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°	173.4	46.5
0°-40°	301.7	80.9
0°-60°	370.3	99.3
0°-90°	373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	373.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	39	39	39	39	39	
5°	133	86	36	15	11	22
15°	845	288	20	2	1	240
25°	1138	327	7	0	1	529
35°	1169	147	1	0	1	720
45°	639	22	0	1	2	472
55°	10	0	1	2	2	38
65°	1	0	1	2	2	1
75°	0	0	1	1	2	0
85°	0	0	1	0	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1345575

CATALOG NUMBER: P3A13R359830DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
2.5°	68.0	69.6	69.0	68.6	68.3	67.0	64.0	63.6	60.6	58.6	48.6
5°	132.9	130.2	130.9	127.2	122.5	115.9	111.5	102.1	94.4	86.4	56.6
7.5°	250.5	246.8	239.7	229.0	218.0	203.6	181.8	164.4	144.3	125.2	62.9
10°	422.9	420.9	411.8	384.4	360.3	321.8	285.6	247.4	209.9	173.1	67.3
12.5°	653.2	639.5	623.1	586.6	539.1	490.9	419.5	353.6	293.6	232.0	67.6
15°	845.1	836.4	813.3	765.8	708.5	638.9	554.1	465.4	375.0	288.0	64.3
17.5°	999.5	986.1	956.3	909.7	843.8	753.4	654.3	546.1	435.9	327.8	58.6
20°	1087.2	1080.2	1057.4	1010.8	938.9	840.1	727.2	601.4	474.1	348.9	51.2
22.5°	1131.4	1126.4	1109.6	1072.5	1005.2	905.7	776.5	630.1	485.2	346.5	43.5
25°	1137.7	1136.4	1122.0	1093.9	1037.6	939.2	797.9	635.5	476.1	327.1	36.2
27.5°	1159.8	1155.2	1138.1	1110.0	1053.4	944.9	790.5	617.1	447.0	293.0	30.1
30°	1186.0	1182.6	1165.5	1136.4	1069.4	939.5	764.4	576.2	400.5	249.1	22.4
32.5°	1184.0	1182.6	1168.2	1137.4	1058.1	908.1	717.9	515.0	337.2	196.5	14.1
35°	1168.9	1164.2	1146.1	1098.6	993.1	827.0	629.5	431.9	266.9	146.7	9.0
37.5°	1132.7	1122.7	1092.2	1011.5	876.9	702.1	512.6	333.5	188.8	98.1	5.7
40°	1037.3	1024.6	963.3	865.9	724.9	553.1	381.4	229.4	124.6	59.9	2.3
42.5°	860.5	834.7	773.5	673.3	541.1	391.1	250.5	148.7	73.3	36.2	0.7
45°	639.2	619.4	555.1	464.4	354.6	250.8	151.7	80.4	40.5	22.1	0.3
47.5°	372.3	360.3	327.1	267.5	195.9	131.6	77.7	43.2	23.8	10.7	0.3
50°	194.9	179.8	154.7	117.2	86.4	60.6	37.8	23.1	11.7	3.3	0.3
52.5°	68.3	67.3	61.3	46.2	37.5	27.1	18.4	10.0	3.3	0.7	0.3
55°	9.7	9.7	9.0	10.0	10.7	9.7	6.4	2.7	0.7	0.3	0.3
57.5°	0.7	0.7	0.7	1.0	1.3	1.3	1.0	0.3	0.3	0.3	0.7
60°	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
62.5°	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
65°	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
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: P1345575

CATALOG NUMBER: P3A13R359830DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	39.2	39.2	39.2	39.2	39.2
2.5°	38.8	31.1	24.8	21.8	20.8
5°	36.5	23.4	15.4	12.1	11.4
7.5°	32.5	16.7	9.4	6.7	6.4
10°	28.5	12.1	5.7	4.0	3.7
12.5°	23.8	8.4	3.7	2.3	2.0
15°	19.8	5.7	2.0	1.7	1.3
17.5°	15.7	3.7	1.3	1.0	1.3
20°	12.4	2.3	0.7	0.7	0.7
22.5°	9.4	1.3	0.7	0.7	0.7
25°	6.7	0.7	0.3	0.3	0.7
27.5°	4.7	0.3	0.3	0.3	0.7
30°	2.7	0.3	0.3	0.3	0.7
32.5°	1.3	0.3	0.3	0.7	0.7
35°	0.7	0.3	0.3	0.7	0.7
37.5°	0.3	0.3	0.3	0.7	1.0
40°	0.3	0.3	0.7	1.0	1.0
42.5°	0.3	0.3	0.7	1.0	1.3
45°	0.3	0.7	1.0	1.3	1.7
47.5°	0.7	0.7	1.3	1.7	2.0
50°	0.7	1.0	1.3	2.0	2.0
52.5°	0.7	1.0	1.7	2.0	2.3
55°	0.7	1.3	1.7	2.3	2.3
57.5°	1.0	1.3	1.7	2.3	2.3
60°	1.0	1.3	1.7	2.3	2.3
62.5°	1.0	1.3	1.7	2.3	2.3
65°	1.0	1.3	1.7	2.3	2.3
67.5°	1.0	1.3	1.7	2.0	2.3
70°	1.0	1.3	1.7	2.0	2.0
72.5°	1.3	1.3	1.7	2.0	2.0
75°	1.0	1.3	1.3	1.7	1.7
77.5°	1.0	1.0	1.0	1.3	1.3
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	0.7	0.7	1.0	1.0
85°	1.0	0.7	0.3	0.7	0.7
87.5°	0.7	0.7	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)