

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: P1338371

Luminaire Tested: P3A05R359040DE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1338371
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: P3A05R359040DE010 E3A301GPH
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

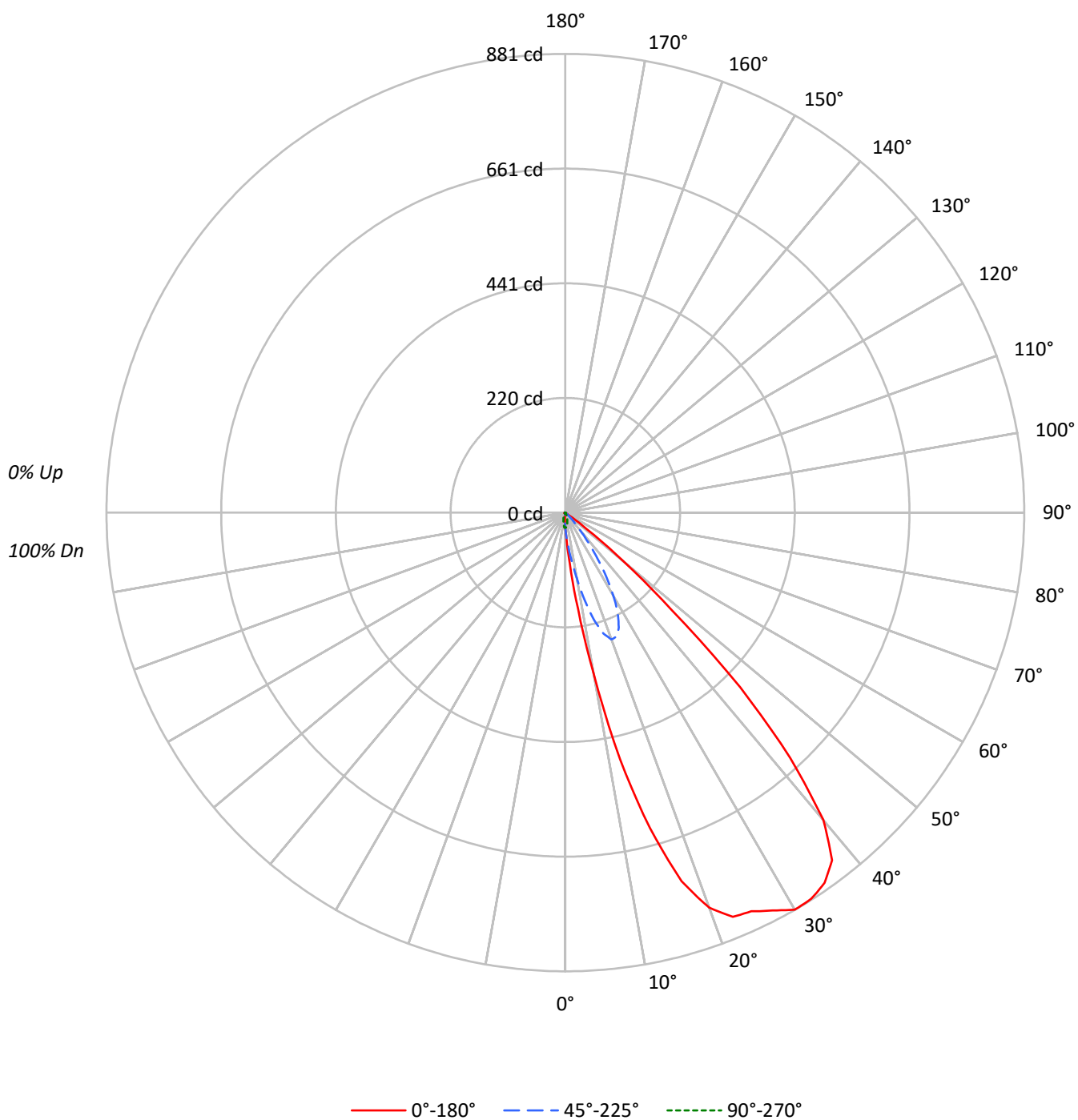
Lumens per Lamp: N/A
Luminaire Lumens: 276.9 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1338371

CATALOG NUMBER: P3A05R359040DE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1338371

CATALOG NUMBER: P3A05R359040DE010 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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6381	6381	6381	6381	6381
5°	21726	14132	5965	2509	1871
10°	69916	28635	4698	935	601
15°	142475	48536	3337	341	227
20°	188410	60462	2147	117	117
25°	204423	58770	1210	48	121
30°	222996	46843	506	51	127
35°	232357	29152	134	54	134
40°	220499	12738	57	143	200
45°	147209	5086	62	217	372
50°	49363	853	171	341	512
55°	2753	76	191	459	650
60°	219	88	307	526	746
65°	259	104	363	623	882
70°	128	128	449	769	962
75°	169	169	593	847	1017
80°	0	253	884	884	884
85°	0	503	1761	503	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 147209 cd/sqm

TEST NUMBER: P1338371

CATALOG NUMBER: P3A05R359040DE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	1.8
10°-20°	39.8	14.4
20°-30°	84.0	30.3
30°-40°	95.3	34.4
40°-50°	46.9	16.9
50°-60°	4.0	1.5
60°-70°	0.8	0.3
70°-80°	0.7	0.3
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°	128.8	46.5
0°-40°	224.1	80.9
0°-60°	275.0	99.3
0°-90°	276.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	276.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	29	29	29	29	29	
5°	99	64	27	11	8	16
15°	628	214	15	2	1	178
25°	845	243	5	0	0	393
35°	868	109	0	0	0	535
45°	475	16	0	1	1	351
55°	7	0	0	1	2	28
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1338371

CATALOG NUMBER: P3A05R359040DE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
2.5°	50.5	51.7	51.2	51.0	50.7	49.7	47.5	47.2	45.0	43.5	36.1
5°	98.7	96.7	97.2	94.5	91.0	86.0	82.8	75.8	70.1	64.2	42.0
7.5°	186.0	183.3	178.0	170.1	161.9	151.2	135.0	122.1	107.2	93.0	46.7
10°	314.0	312.6	305.8	285.5	267.6	239.0	212.1	183.8	155.9	128.6	50.0
12.5°	485.1	474.9	462.7	435.6	400.3	364.5	311.6	262.6	218.1	172.3	50.2
15°	627.6	621.1	604.0	568.7	526.1	474.4	411.5	345.6	278.5	213.8	47.7
17.5°	742.2	732.3	710.2	675.6	626.6	559.5	485.9	405.6	323.7	243.4	43.5
20°	807.4	802.2	785.2	750.7	697.2	623.9	540.1	446.6	352.1	259.1	38.0
22.5°	840.2	836.5	824.0	796.4	746.5	672.6	576.6	468.0	360.3	257.4	32.3
25°	844.9	843.9	833.2	812.3	770.6	697.5	592.5	471.9	353.6	242.9	26.9
27.5°	861.3	857.9	845.2	824.3	782.3	701.7	587.1	458.3	332.0	217.6	22.4
30°	880.7	878.2	865.6	843.9	794.2	697.7	567.7	427.9	297.4	185.0	16.7
32.5°	879.2	878.2	867.5	844.7	785.7	674.3	533.1	382.4	250.4	146.0	10.4
35°	868.0	864.6	851.1	815.8	737.5	614.2	467.5	320.8	198.2	108.9	6.7
37.5°	841.2	833.7	811.1	751.2	651.2	521.4	380.7	247.7	140.2	72.9	4.2
40°	770.3	760.9	715.4	643.0	538.3	410.8	283.2	170.3	92.5	44.5	1.7
42.5°	639.0	619.9	574.4	500.0	401.8	290.4	186.0	110.4	54.5	26.9	0.5
45°	474.7	460.0	412.3	344.9	263.3	186.2	112.6	59.7	30.1	16.4	0.2
47.5°	276.5	267.6	242.9	198.7	145.5	97.7	57.7	32.1	17.7	8.0	0.2
50°	144.7	133.5	114.9	87.0	64.2	45.0	28.1	17.2	8.7	2.5	0.2
52.5°	50.7	50.0	45.5	34.3	27.8	20.1	13.7	7.5	2.5	0.5	0.2
55°	7.2	7.2	6.7	7.5	8.0	7.2	4.7	2.0	0.5	0.2	0.2
57.5°	0.5	0.5	0.5	0.7	1.0	1.0	0.7	0.2	0.2	0.2	0.5
60°	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
62.5°	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
65°	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5
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: P1338371

CATALOG NUMBER: P3A05R359040DE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	29.1	29.1	29.1	29.1	29.1
2.5°	28.8	23.1	18.4	16.2	15.4
5°	27.1	17.4	11.4	9.0	8.5
7.5°	24.1	12.4	7.0	5.0	4.7
10°	21.1	9.0	4.2	3.0	2.7
12.5°	17.7	6.2	2.7	1.7	1.5
15°	14.7	4.2	1.5	1.2	1.0
17.5°	11.7	2.7	1.0	0.7	1.0
20°	9.2	1.7	0.5	0.5	0.5
22.5°	7.0	1.0	0.5	0.5	0.5
25°	5.0	0.5	0.2	0.2	0.5
27.5°	3.5	0.2	0.2	0.2	0.5
30°	2.0	0.2	0.2	0.2	0.5
32.5°	1.0	0.2	0.2	0.5	0.5
35°	0.5	0.2	0.2	0.5	0.5
37.5°	0.2	0.2	0.2	0.5	0.7
40°	0.2	0.2	0.5	0.7	0.7
42.5°	0.2	0.2	0.5	0.7	1.0
45°	0.2	0.5	0.7	1.0	1.2
47.5°	0.5	0.5	1.0	1.2	1.5
50°	0.5	0.7	1.0	1.5	1.5
52.5°	0.5	0.7	1.2	1.5	1.7
55°	0.5	1.0	1.2	1.7	1.7
57.5°	0.7	1.0	1.2	1.7	1.7
60°	0.7	1.0	1.2	1.7	1.7
62.5°	0.7	1.0	1.2	1.7	1.7
65°	0.7	1.0	1.2	1.7	1.7
67.5°	0.7	1.0	1.2	1.5	1.7
70°	0.7	1.0	1.2	1.5	1.5
72.5°	1.0	1.0	1.2	1.5	1.5
75°	0.7	1.0	1.0	1.2	1.2
77.5°	0.7	0.7	0.7	1.0	1.0
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.5	0.5	0.7	0.7
85°	0.7	0.5	0.2	0.5	0.5
87.5°	0.5	0.5	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)