

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: P1337832

Luminaire Tested: P3A05R309030DE010 E3A301WMH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R309030DE010 E3A301WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

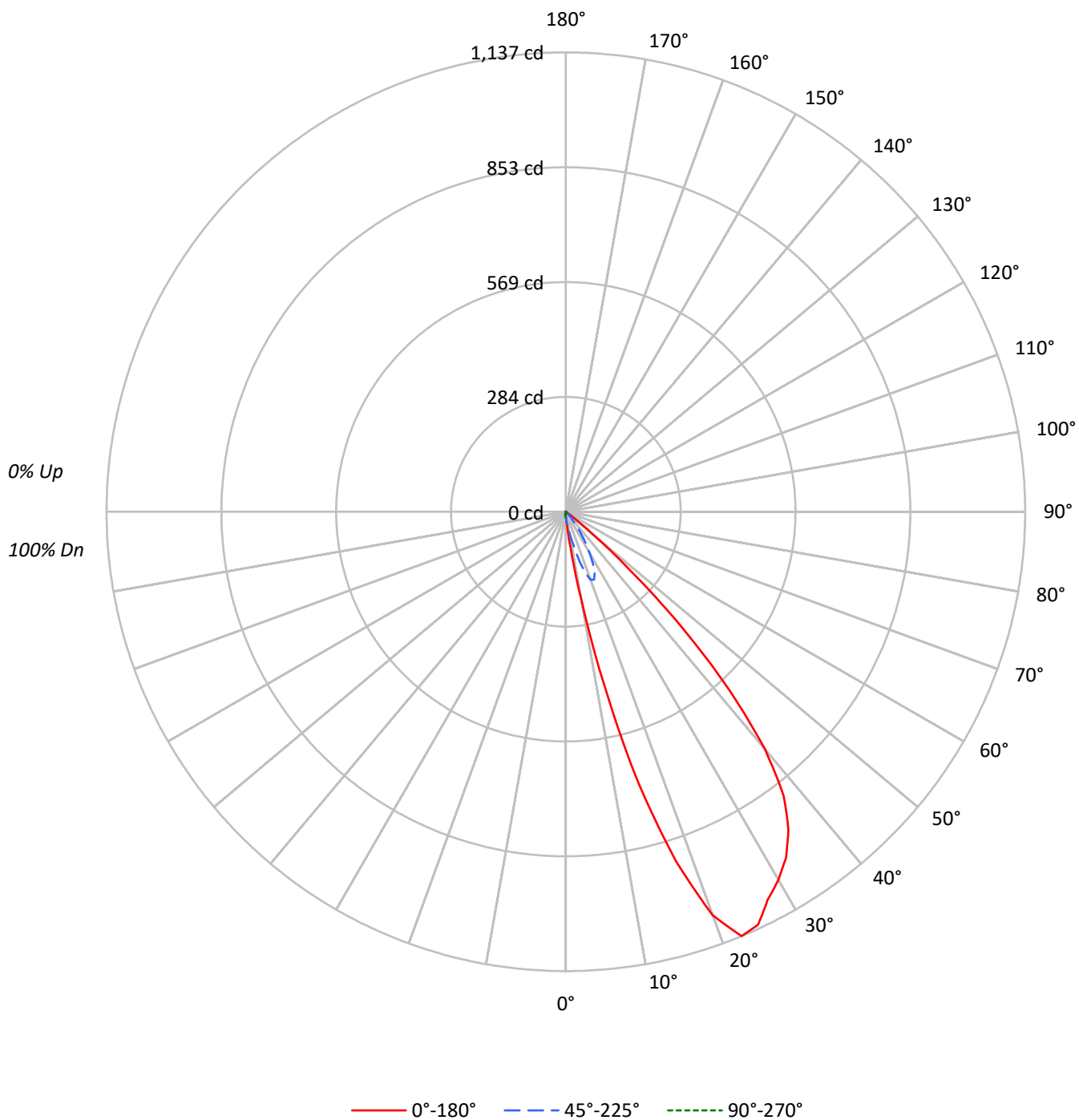
Lumens per Lamp: N/A
Luminaire Lumens: 267.9 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1337832

CATALOG NUMBER: P3A05R309030DE010 E3A301WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1337832

CATALOG NUMBER: P3A05R309030DE010 E3A301WMH

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	57	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	47	47	45
9	67	55	48	43	65	55	48	43	53	47	43	53	47	43	52	46	43	43	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2785	2785	2785	2785	2785
5°	8409	5613	2641	1189	969
10°	48696	11890	2071	534	379
15°	158389	26970	1453	114	45
20°	247845	41724	910	0	0
25°	272677	40768	484	0	0
30°	266319	29397	177	0	0
35°	257038	16704	54	0	0
40°	219211	7070	0	0	0
45°	128634	2667	62	0	62
50°	31248	512	68	68	239
55°	2714	0	191	268	382
60°	88	0	219	307	526
65°	104	104	363	363	623
70°	128	128	449	449	641
75°	0	169	593	593	593
80°	0	253	884	631	631
85°	0	503	1761	503	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 128634 cd/sqm

TEST NUMBER: P1337832

CATALOG NUMBER: P3A05R309030DE010 E3A301WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.9
10°-20°	36.8	13.7
20°-30°	93.6	34.9
30°-40°	93.3	34.8
40°-50°	37.8	14.1
50°-60°	2.6	1.0
60°-70°	0.6	0.2
70°-80°	0.6	0.2
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°	132.8	49.6
0°-40°	226.1	84.4
0°-60°	266.5	99.5
0°-90°	267.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	267.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	13	13	13	13	13	
5°	38	26	12	5	4	9
15°	698	119	6	0	0	203
25°	1127	168	2	0	0	509
35°	960	62	0	0	0	589
45°	415	9	0	0	0	316
55°	7	0	0	1	1	19
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1337832

CATALOG NUMBER: P3A05R309030DE010 E3A301WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
2.5°	21.1	21.3	21.3	20.8	20.6	20.6	19.8	19.6	18.9	18.1	15.7
5°	38.2	37.5	36.5	36.5	34.3	33.1	31.3	29.4	27.9	25.5	18.1
7.5°	86.7	80.8	79.1	76.9	68.6	62.0	54.4	47.8	41.6	36.5	20.1
10°	218.7	207.2	197.6	178.3	154.0	130.8	109.2	84.2	67.1	53.4	21.6
12.5°	440.6	425.1	406.8	371.5	326.2	268.2	216.7	161.9	113.6	78.6	22.0
15°	697.7	671.5	642.8	598.0	523.8	440.6	347.7	260.3	182.4	118.8	21.6
17.5°	907.3	897.0	854.7	793.4	702.6	595.3	481.0	361.5	246.1	155.5	20.1
20°	1062.1	1055.0	1003.8	938.7	836.3	713.4	568.1	424.6	290.4	178.8	17.9
22.5°	1136.8	1135.6	1098.6	1032.0	923.5	784.1	624.2	461.1	304.2	182.0	14.9
25°	1127.0	1131.4	1110.3	1060.9	956.8	813.3	640.9	461.1	294.1	168.5	12.5
27.5°	1082.4	1085.4	1072.1	1034.2	937.2	792.2	617.6	431.5	265.0	144.7	10.3
30°	1051.8	1053.0	1036.6	996.0	893.1	744.2	562.8	376.6	220.9	116.1	7.6
32.5°	1014.6	1014.3	995.2	948.7	835.3	676.9	493.2	311.3	169.7	88.2	4.4
35°	960.2	954.1	928.1	874.5	749.1	586.3	404.3	237.1	122.2	62.4	2.7
37.5°	885.5	869.6	832.9	761.1	628.1	459.7	299.7	166.5	83.5	41.4	1.7
40°	765.8	748.9	698.9	611.7	475.1	330.8	202.0	108.5	52.7	24.7	1.0
42.5°	600.5	589.0	521.6	434.7	313.7	211.1	121.5	64.2	29.6	14.2	0.2
45°	414.8	399.9	347.0	273.3	188.3	117.1	68.1	33.6	16.9	8.6	0.0
47.5°	229.0	210.6	180.0	141.5	94.8	61.5	34.3	18.1	9.6	4.2	0.0
50°	91.6	90.9	72.2	51.4	36.2	27.9	17.1	9.8	4.9	1.5	0.2
52.5°	32.1	32.1	27.7	22.5	17.6	12.7	8.6	4.7	1.7	0.5	0.2
55°	7.1	7.8	7.3	6.9	6.6	5.6	3.7	1.7	0.5	0.0	0.2
57.5°	0.7	0.7	0.7	1.0	1.2	1.2	1.0	0.5	0.0	0.0	0.2
60°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.5
62.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.5
65°	0.2	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°	0.0	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.7
77.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	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	0.0	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: P1337832

CATALOG NUMBER: P3A05R309030DE010 E3A301WMH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	12.7	12.7	12.7	12.7	12.7
2.5°	12.7	10.0	8.3	7.3	7.1
5°	12.0	7.6	5.4	4.7	4.4
7.5°	10.8	5.6	3.7	2.9	2.7
10°	9.3	4.2	2.4	1.7	1.7
12.5°	7.8	3.2	1.5	0.7	0.5
15°	6.4	2.0	0.5	0.2	0.2
17.5°	4.9	1.2	0.0	0.0	0.0
20°	3.9	0.5	0.0	0.0	0.0
22.5°	2.9	0.2	0.0	0.0	0.0
25°	2.0	0.0	0.0	0.0	0.0
27.5°	1.2	0.0	0.0	0.0	0.0
30°	0.7	0.0	0.0	0.0	0.0
32.5°	0.2	0.0	0.0	0.0	0.0
35°	0.2	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.2	0.0	0.0	0.2	0.2
47.5°	0.2	0.2	0.2	0.5	0.5
50°	0.2	0.2	0.2	0.5	0.7
52.5°	0.5	0.2	0.5	0.7	0.7
55°	0.5	0.5	0.7	1.0	1.0
57.5°	0.5	0.5	0.7	1.0	1.0
60°	0.5	0.5	0.7	1.0	1.2
62.5°	0.7	0.7	0.7	1.0	1.0
65°	0.7	0.7	0.7	1.0	1.2
67.5°	0.7	0.7	0.7	1.0	1.2
70°	0.7	0.7	0.7	1.0	1.0
72.5°	1.0	0.7	0.7	1.0	1.0
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.5	0.7	0.7
80°	0.7	0.5	0.5	0.5	0.5
82.5°	0.7	0.5	0.5	0.5	0.5
85°	0.7	0.5	0.2	0.2	0.2
87.5°	0.7	0.5	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)