

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: P1337811

Luminaire Tested: P3A05R309030D2WDE010 E3A301GPH

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1337811
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: P3A05R309030D2WDE010 E3A301GPH
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
E3A301GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

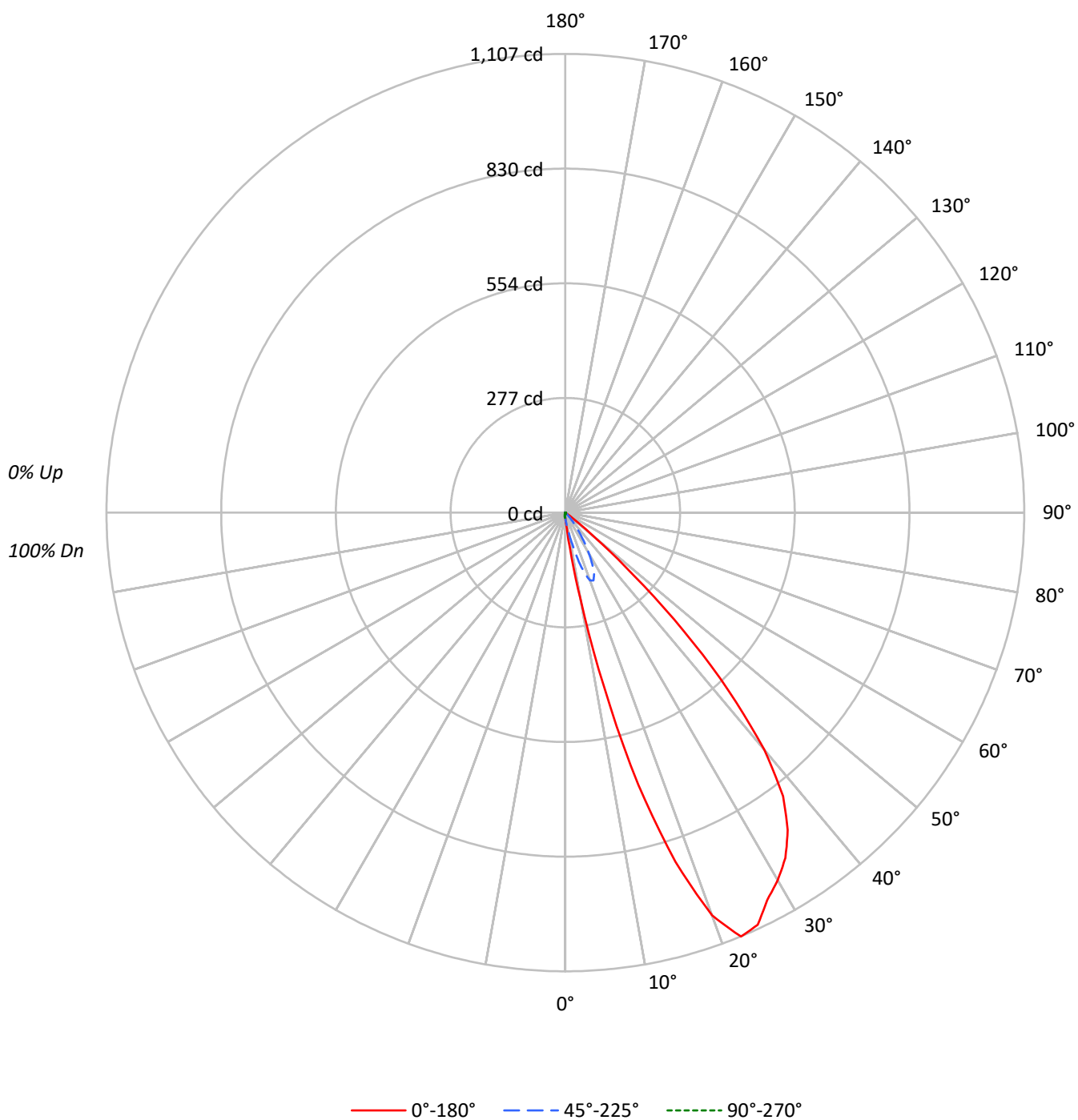
Lumens per Lamp: N/A
Luminaire Lumens: 261.0 lumens
Efficiency: N/A
Efficacy: 23.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1337811

CATALOG NUMBER: P3A05R309030D2WDE010 E3A301GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1337811

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2719	2719	2719	2719	2719
5°	8188	5459	2575	1145	947
10°	47427	11578	2026	534	379
15°	154257	26266	1407	114	45
20°	241358	40627	887	0	0
25°	265564	39704	460	0	0
30°	259356	28612	177	0	0
35°	250319	16276	54	0	0
40°	213486	6899	0	0	0
45°	125284	2574	62	0	62
50°	30430	478	68	68	239
55°	2638	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: 125284 cd/sqm

TEST NUMBER: P1337811

CATALOG NUMBER: P3A05R309030D2WDE010 E3A301GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.9
10°-20°	35.9	13.7
20°-30°	91.2	34.9
30°-40°	90.9	34.8
40°-50°	36.8	14.1
50°-60°	2.5	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°	129.3	49.5
0°-40°	220.2	84.4
0°-60°	259.5	99.4
0°-90°	261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	261.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	12	12	12	12	12	
5°	37	25	12	5	4	9
15°	680	116	6	0	0	198
25°	1098	164	2	0	0	496
35°	935	61	0	0	0	573
45°	404	8	0	0	0	308
55°	7	0	0	1	1	18
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: P1337811

CATALOG NUMBER: P3A05R309030D2WDE010 E3A301GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
2.5°	20.5	20.7	20.7	20.3	20.0	20.0	19.3	19.1	18.4	17.6	15.3
5°	37.2	36.5	35.5	35.5	33.4	32.2	30.5	28.6	27.2	24.8	17.6
7.5°	84.4	78.7	77.0	74.9	66.8	60.3	52.9	46.5	40.5	35.5	19.6
10°	213.0	201.8	192.5	173.6	150.0	127.4	106.4	82.0	65.3	52.0	21.0
12.5°	429.1	414.0	396.1	361.8	317.7	261.2	211.1	157.6	110.7	76.6	21.5
15°	679.5	654.0	626.0	582.4	510.1	429.1	338.7	253.5	177.7	115.7	21.0
17.5°	883.6	873.6	832.3	772.7	684.2	579.8	468.4	352.0	239.7	151.4	19.6
20°	1034.3	1027.4	977.6	914.1	814.5	694.7	553.3	413.5	282.9	174.1	17.4
22.5°	1107.1	1105.9	1069.9	1005.0	899.4	763.7	607.9	449.1	296.2	177.2	14.5
25°	1097.6	1101.8	1081.3	1033.2	931.8	792.0	624.1	449.1	286.4	164.1	12.2
27.5°	1054.1	1057.0	1044.1	1007.2	912.7	771.5	601.5	420.2	258.1	141.0	10.0
30°	1024.3	1025.5	1009.5	970.0	869.8	724.8	548.1	366.8	215.1	113.0	7.4
32.5°	988.1	987.8	969.2	923.9	813.5	659.2	480.3	303.1	165.3	85.9	4.3
35°	935.1	929.2	903.9	851.7	729.6	571.0	393.8	230.9	119.0	60.8	2.6
37.5°	862.4	846.9	811.1	741.2	611.7	447.7	291.9	162.2	81.3	40.3	1.7
40°	745.8	729.3	680.7	595.8	462.7	322.2	196.8	105.7	51.3	24.1	1.0
42.5°	584.8	573.6	508.0	423.3	305.5	205.6	118.3	62.5	28.9	13.8	0.2
45°	404.0	389.5	337.9	266.2	183.4	114.0	66.3	32.7	16.5	8.3	0.0
47.5°	223.0	205.1	175.3	137.8	92.3	59.9	33.4	17.6	9.3	4.1	0.0
50°	89.2	88.5	70.4	50.1	35.3	27.2	16.7	9.5	4.8	1.4	0.2
52.5°	31.2	31.2	26.9	21.9	17.2	12.4	8.3	4.5	1.7	0.5	0.2
55°	6.9	7.6	7.2	6.7	6.4	5.5	3.6	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: P1337811

CATALOG NUMBER: P3A05R309030D2WDE010 E3A301GPH

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	12.4	12.4	12.4	12.4	12.4
2.5°	12.4	9.8	8.1	7.2	6.9
5°	11.7	7.4	5.2	4.5	4.3
7.5°	10.5	5.5	3.6	2.9	2.6
10°	9.1	4.1	2.4	1.7	1.7
12.5°	7.6	3.1	1.4	0.7	0.5
15°	6.2	1.9	0.5	0.2	0.2
17.5°	4.8	1.2	0.0	0.0	0.0
20°	3.8	0.5	0.0	0.0	0.0
22.5°	2.9	0.2	0.0	0.0	0.0
25°	1.9	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)