

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: PORTFOLIO

Report Number: P1307699

Luminaire Tested: LDSQA3D02R609027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R609027DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

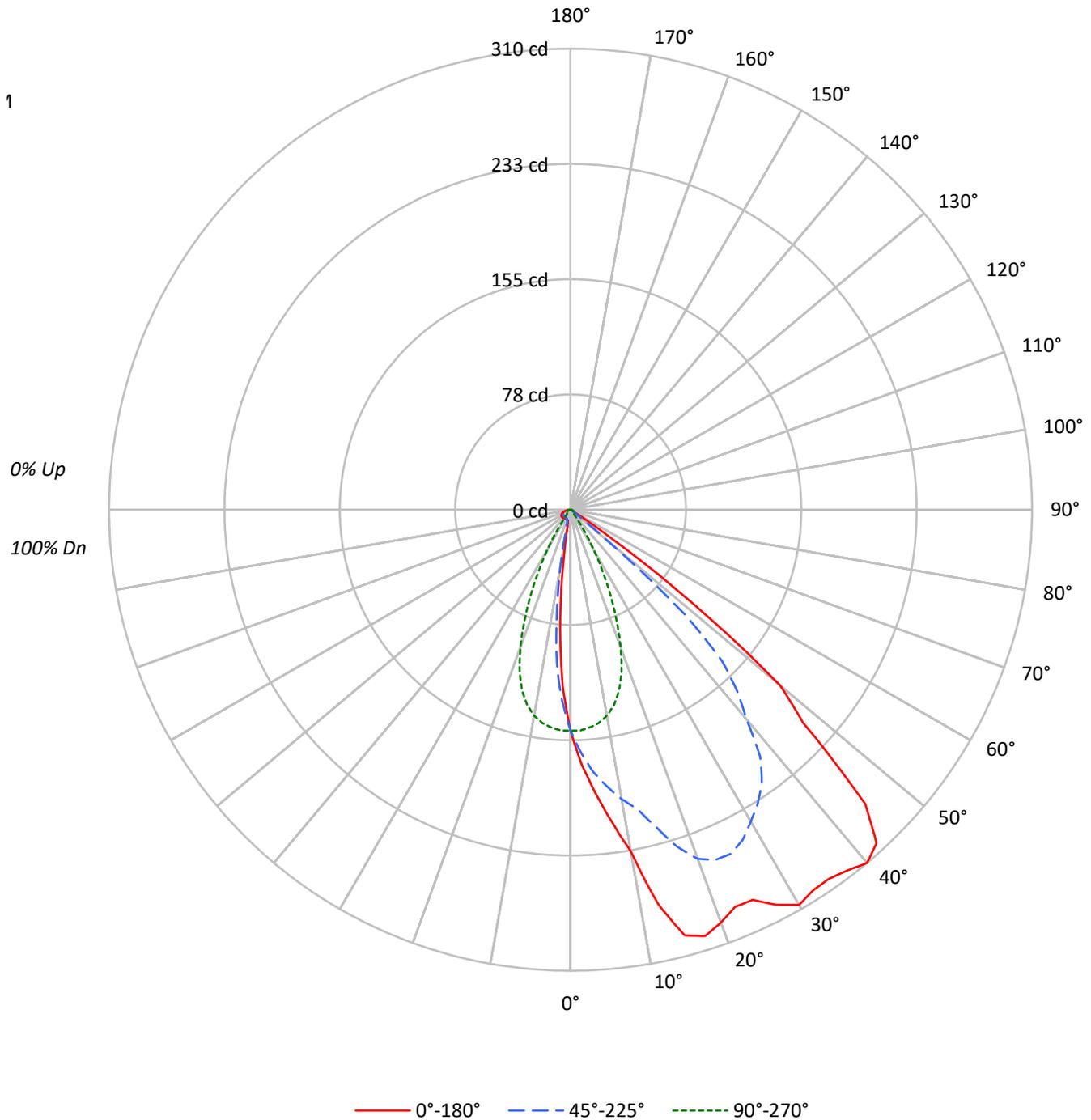
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 241.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (A_{in}): 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

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Luminous Intensity Polar Plot





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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100	
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90	
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81	
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72	
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58	
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47	
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43	
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39	
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	25558	25558	25558	25558	25558
5°	33003	30634	25413	18101	13813
10°	40782	34539	24588	6838	2029
15°	52812	39315	22430	1498	1337
20°	54121	45782	18053	1246	1301
25°	54994	48476	12105	1216	1292
30°	61032	48145	6244	1213	1352
35°	63662	47074	1724	1282	1493
40°	69672	41277	809	1371	1641
45°	68172	35073	828	1486	1827
50°	49139	8654	911	1634	2009
55°	9428	540	961	1772	2252
60°	482	551	930	1894	2446
65°	448	571	937	1956	2608
70°	453	554	906	1964	2618
75°	466	599	932	1996	2728
80°	198	694	893	1984	2678
85°	395	395	988	1778	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 68172 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	5.4
10°-20°	35.6	14.8
20°-30°	54.8	22.7
30°-40°	64.3	26.7
40°-50°	51.6	21.4
50°-60°	16.0	6.6
60°-70°	3.0	1.3
70°-80°	2.0	0.8
80°-90°	0.7	0.3
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°	103.3	42.9
0°-40°	167.7	69.6
0°-60°	235.3	97.6
0°-90°	241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	148	148	148	148	148	
5°	191	177	147	105	80	19
15°	296	220	126	8	8	81
25°	289	255	64	6	7	137
35°	303	224	8	6	7	192
45°	280	144	3	6	8	200
55°	31	2	3	6	8	50
65°	1	1	2	5	6	1
75°	1	1	1	3	4	1
85°	0	0	0	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	148.4	148.4	148.4	148.4	148.4	148.4	148.4	148.4	148.4	148.4	148.4
2.5°	171.1	169.3	169.3	168.6	167.9	168.1	166.3	167.0	165.2	163.8	162.7
5°	190.9	188.6	188.4	187.3	186.1	185.2	182.9	181.6	178.8	177.2	173.8
7.5°	211.4	209.6	208.4	207.1	205.0	202.7	198.9	196.4	192.0	187.7	183.4
10°	233.2	231.6	229.1	227.5	221.8	218.2	213.0	209.6	203.2	197.5	190.9
12.5°	271.4	270.5	265.8	262.6	254.4	247.1	235.7	226.6	215.2	205.9	197.0
15°	296.2	295.1	292.6	289.7	284.4	276.2	266.0	253.2	237.3	220.5	205.5
17.5°	300.6	300.8	299.2	298.5	295.1	289.9	281.7	272.1	256.2	237.5	217.1
20°	295.3	297.2	296.7	298.1	298.8	296.7	291.2	281.9	268.0	249.8	226.9
22.5°	289.0	290.6	290.1	292.6	296.5	298.5	296.7	289.2	275.1	254.8	232.3
25°	289.4	290.6	287.1	288.7	293.7	298.8	299.0	292.4	277.1	255.1	231.9
27.5°	299.4	296.0	288.3	287.6	293.7	300.1	300.6	292.4	274.2	250.3	227.3
30°	306.9	304.4	295.8	294.7	300.6	304.9	302.6	289.9	267.1	242.1	220.7
32.5°	303.3	303.8	300.1	303.8	311.5	313.3	303.8	284.0	257.3	234.1	213.0
35°	302.8	304.7	306.7	312.4	317.6	313.3	298.1	272.8	246.9	223.9	200.9
37.5°	305.6	308.5	311.5	316.5	316.5	305.4	283.1	258.7	234.4	209.3	175.9
40°	309.9	311.7	312.6	312.2	306.0	289.7	266.0	241.6	218.4	183.6	159.3
42.5°	304.2	304.0	303.1	299.2	287.8	266.4	244.4	224.6	187.9	165.6	137.9
45°	279.9	279.9	277.4	271.2	260.8	243.0	223.4	194.5	171.3	144.0	102.4
47.5°	211.8	210.2	213.0	216.6	216.6	215.0	197.3	172.2	148.6	104.0	32.8
50°	183.4	180.9	177.5	178.2	177.7	179.5	168.1	149.3	109.9	32.3	2.3
52.5°	103.8	108.3	119.5	135.2	142.2	144.7	137.7	113.5	37.1	2.0	1.8
55°	31.4	32.3	36.6	45.1	61.2	78.3	79.4	36.9	2.5	1.8	1.8
57.5°	1.4	1.4	1.8	2.7	6.4	9.6	10.2	2.3	1.6	1.8	1.8
60°	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6	1.8
62.5°	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	1.6
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.4	1.4	1.6
67.5°	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.4
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1
72.5°	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	1.1
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9
77.5°	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	148.4	148.4	148.4	148.4	148.4	148.4	148.4	148.4
2.5°	161.1	159.3	157.2	148.6	140.2	128.8	121.0	118.8
5°	170.9	167.9	163.4	147.0	127.2	104.7	86.5	79.9
7.5°	179.1	174.5	168.1	144.7	111.7	71.0	45.7	38.7
10°	185.0	179.3	171.1	140.6	91.2	39.1	15.5	11.6
12.5°	190.0	182.5	172.7	134.5	66.4	15.9	8.0	8.0
15°	193.4	184.3	173.4	125.8	43.0	8.4	7.5	7.5
17.5°	198.2	186.4	173.4	113.8	23.4	7.3	7.3	7.3
20°	205.9	188.4	170.9	98.5	13.0	6.8	7.1	7.1
22.5°	210.0	191.4	167.7	80.8	8.2	6.6	6.8	6.8
25°	210.9	190.9	160.9	63.7	6.6	6.4	6.6	6.8
27.5°	207.7	187.7	151.8	46.4	5.9	6.1	6.6	6.8
30°	202.1	180.0	137.2	31.4	5.5	6.1	6.6	6.8
32.5°	191.4	161.3	120.1	18.9	5.2	6.1	6.6	7.1
35°	167.5	141.8	100.6	8.2	5.0	6.1	6.8	7.1
37.5°	150.2	122.2	77.8	4.1	5.0	6.1	6.8	7.3
40°	131.1	98.3	36.0	3.6	5.0	6.1	6.8	7.3
42.5°	99.9	45.5	4.3	3.6	4.8	6.1	7.1	7.3
45°	36.4	4.8	2.3	3.4	4.8	6.1	7.1	7.5
47.5°	2.7	1.8	2.0	3.4	4.8	6.1	7.1	7.5
50°	1.8	1.8	2.0	3.4	4.8	6.1	7.1	7.5
52.5°	1.8	2.0	2.0	3.2	4.6	6.1	7.1	7.5
55°	1.8	2.0	2.0	3.2	4.6	5.9	7.1	7.5
57.5°	1.8	1.8	2.0	3.0	4.3	5.7	7.1	7.3
60°	1.8	1.8	2.0	2.7	4.1	5.5	6.6	7.1
62.5°	1.8	1.8	1.8	2.5	3.9	5.2	6.4	6.8
65°	1.6	1.6	1.8	2.3	3.4	4.8	5.9	6.4
67.5°	1.4	1.6	1.6	2.0	3.2	4.3	5.5	5.9
70°	1.4	1.4	1.4	1.8	2.7	3.9	5.0	5.2
72.5°	1.1	1.1	1.4	1.6	2.5	3.4	4.6	4.8
75°	0.9	1.1	1.1	1.4	2.0	3.0	3.9	4.1
77.5°	0.9	0.9	0.9	1.1	1.8	2.5	3.2	3.4
80°	0.7	0.7	0.7	0.9	1.4	2.0	2.5	2.7
82.5°	0.5	0.7	0.7	0.7	1.1	1.4	1.8	2.0
85°	0.5	0.5	0.5	0.5	0.7	0.9	1.1	1.4
87.5°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)