

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: P1317973

Luminaire Tested: LDSQA3D02R559830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317973  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R559830DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

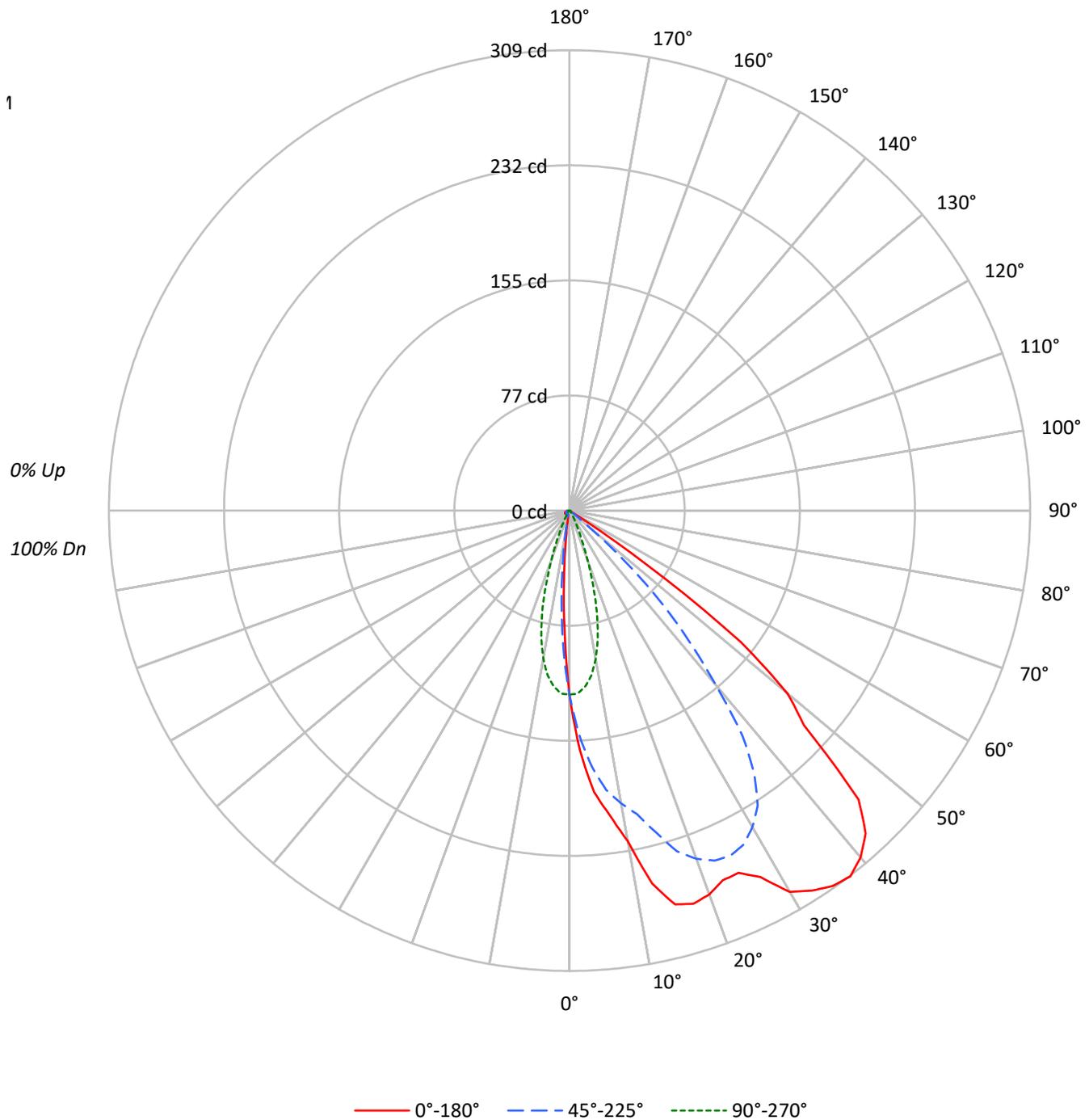
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 206.0 lumens  
Efficiency: N/A  
Efficacy: 57.2 lumens/watt  
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22  
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 (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

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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	100	100	100	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91	91	91	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81	81	81	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73	73	73	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59	59	59	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53	53	53	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48	48	48	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44	44	44	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40	40	40	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37	37	37	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	21269	21269	21269	21269	21269
5°	32795	29856	20538	10546	6933
10°	39400	34888	17680	2658	1067
15°	48782	39850	12641	731	571
20°	50236	45581	6525	495	495
25°	50965	48552	2622	437	513
30°	58745	48782	1134	457	537
35°	64671	45476	484	484	610
40°	68301	34240	292	562	652
45°	66808	20922	268	609	779
50°	51121	4448	295	723	911
55°	18766	150	330	811	1021
60°	172	172	379	930	1171
65°	204	204	448	937	1223
70°	201	252	453	1057	1460
75°	133	266	466	1198	1664
80°	198	397	496	1289	1785
85°	0	395	790	1383	1778

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 66808 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.9	5.3
10°-20°	31.1	15.1
20°-30°	47.8	23.2
30°-40°	55.6	27.0
40°-50°	44.5	21.6
50°-60°	13.2	6.4
60°-70°	1.4	0.7
70°-80°	1.1	0.5
80°-90°	0.5	0.2
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°	89.7	43.6
0°-40°	145.4	70.6
0°-60°	203.0	98.5
0°-90°	206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	206.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	124	124	124	124	124	
5°	190	173	119	61	40	19
15°	274	224	71	4	3	76
25°	268	256	14	2	3	127
35°	308	216	2	2	3	192
45°	274	86	1	2	3	198
55°	62	0	1	3	3	66
65°	0	0	1	2	3	0
75°	0	0	1	2	2	0
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°	123.5	123.5	123.5	123.5	123.5	123.5	123.5	123.5	123.5	123.5	123.5
2.5°	161.0	161.0	160.5	160.7	160.3	158.4	158.0	155.5	153.4	151.0	149.1
5°	189.7	190.0	189.5	188.4	187.0	185.6	182.5	180.2	177.2	172.7	168.6
7.5°	206.0	205.6	204.7	204.4	203.5	201.8	199.7	197.2	193.6	189.1	184.3
10°	225.3	222.2	221.4	219.9	217.1	213.8	210.1	206.7	203.6	199.5	194.3
12.5°	256.4	255.9	252.3	249.6	245.7	238.5	232.1	224.6	215.6	208.5	201.7
15°	273.6	274.0	272.3	270.2	267.7	261.8	255.3	246.6	236.0	223.5	212.4
17.5°	276.6	277.2	276.3	275.4	274.7	271.3	267.3	261.1	251.4	239.8	223.3
20°	274.1	275.2	275.4	276.5	277.9	276.5	273.2	268.9	260.9	248.7	233.0
22.5°	268.6	270.6	272.0	275.7	279.5	279.5	277.5	274.1	266.3	254.3	238.2
25°	268.2	268.6	269.1	275.2	281.1	282.4	280.6	277.0	268.4	255.5	238.0
27.5°	277.2	274.9	271.3	277.4	284.3	285.4	282.9	278.1	267.9	252.7	231.9
30°	295.4	290.2	282.7	287.2	292.0	290.8	285.8	278.1	264.3	245.3	220.5
32.5°	302.4	299.5	296.9	301.7	302.6	297.4	288.5	277.0	258.6	234.9	201.7
35°	307.6	307.8	306.7	307.6	303.3	296.0	286.1	271.1	247.8	216.3	176.8
37.5°	309.4	309.7	307.4	304.2	297.8	289.3	277.5	260.4	229.9	190.8	139.2
40°	303.8	302.8	299.0	294.5	287.6	279.0	266.1	240.5	203.3	152.3	108.6
42.5°	294.0	292.2	287.7	282.4	275.0	264.1	243.5	212.6	165.2	118.8	76.0
45°	274.3	273.1	267.5	263.6	254.8	240.7	214.2	175.2	127.8	85.9	44.0
47.5°	213.1	213.3	217.6	219.6	216.5	205.2	174.1	133.1	93.2	51.2	14.9
50°	190.8	189.9	185.6	179.7	169.8	153.0	127.8	94.1	55.1	16.6	2.1
52.5°	144.8	144.8	142.6	139.6	129.2	112.9	86.4	52.1	19.3	2.9	0.5
55°	62.5	59.2	61.0	64.4	61.7	53.7	40.4	15.6	3.4	0.5	0.5
57.5°	0.9	2.1	3.2	5.2	7.0	8.4	4.5	1.6	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	123.5	123.5	123.5	123.5	123.5	123.5	123.5	123.5
2.5°	146.2	143.2	138.1	122.9	107.2	92.7	82.3	78.4
5°	163.9	158.4	150.0	118.8	87.5	61.0	46.0	40.1
7.5°	177.9	170.7	158.5	111.7	64.2	32.6	19.5	15.4
10°	187.2	179.3	163.4	101.1	42.6	15.2	7.3	6.1
12.5°	194.0	184.1	165.2	87.5	25.1	7.0	3.9	3.6
15°	199.0	186.3	163.0	70.9	13.8	4.1	3.2	3.2
17.5°	206.0	187.4	157.8	52.3	7.9	3.0	3.0	3.0
20°	211.3	187.4	148.0	35.6	4.8	2.7	2.7	2.7
22.5°	214.0	184.5	136.0	22.5	3.4	2.5	2.7	2.7
25°	211.3	177.5	120.6	13.8	2.7	2.3	2.5	2.7
27.5°	201.5	163.6	100.0	8.8	2.1	2.3	2.5	2.7
30°	185.0	143.3	76.8	5.7	2.0	2.3	2.5	2.7
32.5°	161.8	113.3	49.7	3.8	1.8	2.3	2.5	2.7
35°	126.3	80.2	30.1	2.3	1.8	2.3	2.7	2.9
37.5°	94.7	53.5	16.3	1.4	1.8	2.3	2.7	2.9
40°	65.7	31.1	7.0	1.3	1.8	2.5	2.9	2.9
42.5°	38.1	12.3	1.8	1.1	1.8	2.5	2.9	3.0
45°	14.0	2.5	0.5	1.1	2.0	2.5	2.9	3.2
47.5°	2.0	0.5	0.5	1.1	2.0	2.5	3.0	3.2
50°	0.5	0.5	0.5	1.1	2.0	2.7	3.2	3.4
52.5°	0.5	0.5	0.5	1.1	2.0	2.7	3.2	3.4
55°	0.5	0.5	0.5	1.1	2.0	2.7	3.2	3.4
57.5°	0.5	0.5	0.5	1.1	2.0	2.7	3.2	3.4
60°	0.5	0.5	0.5	1.1	1.8	2.7	3.2	3.4
62.5°	0.5	0.5	0.5	1.1	1.8	2.5	3.0	3.2
65°	0.5	0.5	0.5	1.1	1.6	2.3	3.0	3.0
67.5°	0.5	0.5	0.5	0.9	1.6	2.3	2.9	3.0
70°	0.5	0.5	0.5	0.9	1.4	2.1	2.7	2.9
72.5°	0.5	0.5	0.5	0.7	1.3	2.0	2.5	2.7
75°	0.4	0.5	0.5	0.7	1.3	1.8	2.3	2.5
77.5°	0.4	0.5	0.5	0.5	1.1	1.4	2.0	2.1
80°	0.4	0.4	0.5	0.5	0.9	1.3	1.6	1.8
82.5°	0.4	0.4	0.4	0.5	0.7	0.9	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.5	0.7	0.9	0.9
87.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)