

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: P1318849

Luminaire Tested: LDSQA3D02R559835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318849  
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: LDSQA3D02R559835DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

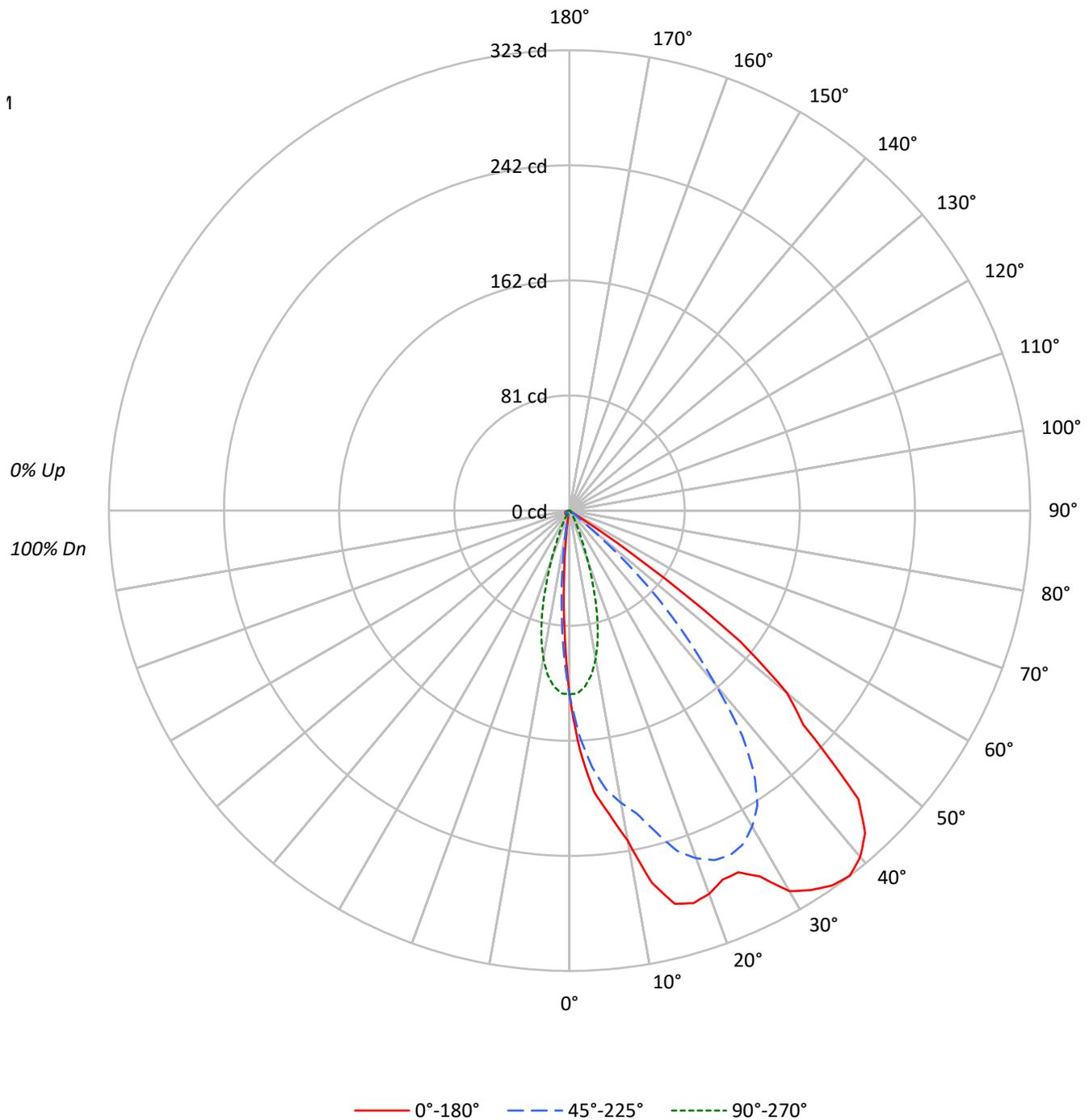
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 215.1 lumens  
Efficiency: N/A  
Efficacy: 59.7 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 (A<sub>in</sub>): 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: P1318849  
CATALOG NUMBER: LDSQA3D02R559835DE010 3LSQCA30R 1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1318849

CATALOG NUMBER: LDSQA3D02R559835DE010 3LSQCA30R 1MW

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

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

	0°	45°	90°	135°	180°
0°	22199	22199	22199	22199	22199
5°	34230	31153	21437	11012	7226
10°	41114	36410	18450	2781	1102
15°	50922	41597	13194	767	606
20°	52435	47578	6818	513	513
25°	53207	50680	2736	456	532
30°	61310	50910	1193	477	557
35°	67489	47473	505	505	631
40°	71291	35724	292	585	674
45°	69731	21823	268	633	828
50°	53345	4662	295	750	938
55°	19577	180	330	841	1051
60°	207	207	379	964	1206
65°	245	245	448	978	1304
70°	201	302	453	1108	1511
75°	133	266	466	1264	1730
80°	198	397	595	1289	1884
85°	0	395	790	1383	1778

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 69731 cd/sqm



TEST NUMBER: P1318849

CATALOG NUMBER: LDSQA3D02R559835DE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.3	5.3
10°-20°	32.5	15.1
20°-30°	49.8	23.2
30°-40°	58.1	27.0
40°-50°	46.4	21.6
50°-60°	13.7	6.4
60°-70°	1.5	0.7
70°-80°	1.2	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°	93.7	43.6
0°-40°	151.7	70.6
0°-60°	211.9	98.5
0°-90°	215.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	129	129	129	129	129	
5°	198	180	124	64	42	20
15°	286	233	74	4	3	79
25°	280	267	14	2	3	133
35°	321	226	2	2	3	200
45°	286	90	1	3	3	206
55°	65	1	1	3	4	69
65°	1	1	1	2	3	1
75°	0	0	1	2	3	0
85°	0	0	0	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1318849

CATALOG NUMBER: LDSQA3D02R559835DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
2.5°	168.1	168.1	167.5	167.7	167.3	165.3	164.9	162.3	160.1	157.6	155.6
5°	198.0	198.3	197.8	196.7	195.2	193.7	190.5	188.1	184.9	180.2	175.9
7.5°	215.0	214.6	213.7	213.3	212.3	210.7	208.4	205.8	202.1	197.4	192.4
10°	235.1	232.0	231.0	229.5	226.5	223.2	219.3	215.7	212.5	208.2	202.8
12.5°	267.6	267.1	263.3	260.5	256.4	248.9	242.2	234.4	225.0	217.6	210.5
15°	285.6	285.9	284.2	282.0	279.4	273.2	266.5	257.4	246.3	233.3	221.7
17.5°	288.7	289.3	288.4	287.4	286.7	283.1	279.0	272.5	262.4	250.3	233.1
20°	286.1	287.2	287.4	288.5	290.0	288.5	285.2	280.7	272.3	259.6	243.2
22.5°	280.3	282.4	283.9	287.8	291.7	291.7	289.7	286.1	277.9	265.4	248.6
25°	280.0	280.3	280.9	287.2	293.4	294.7	292.8	289.1	280.1	266.7	248.4
27.5°	289.3	286.9	283.1	289.5	296.8	297.9	295.3	290.2	279.6	263.7	242.0
30°	308.3	302.9	295.1	299.7	304.8	303.5	298.3	290.2	275.8	256.0	230.1
32.5°	315.6	312.6	309.8	314.9	315.8	310.4	301.1	289.1	269.9	245.2	210.5
35°	321.0	321.2	320.1	321.0	316.6	308.9	298.6	282.9	258.7	225.8	184.5
37.5°	322.9	323.3	320.9	317.5	310.8	302.0	289.7	271.7	240.0	199.1	145.3
40°	317.1	316.0	312.1	307.4	300.1	291.2	277.7	251.0	212.2	158.9	113.4
42.5°	306.8	305.0	300.3	294.7	287.0	275.7	254.2	221.9	172.4	124.0	79.4
45°	286.3	285.0	279.2	275.1	265.9	251.2	223.6	182.8	133.3	89.6	45.9
47.5°	222.4	222.6	227.1	229.2	226.0	214.2	181.7	138.9	97.3	53.4	15.5
50°	199.1	198.2	193.7	187.5	177.2	159.7	133.3	98.2	57.5	17.4	2.2
52.5°	151.1	151.1	148.8	145.7	134.8	117.8	90.2	54.3	20.2	3.0	0.6
55°	65.2	61.8	63.7	67.2	64.4	56.0	42.2	16.2	3.5	0.6	0.6
57.5°	0.9	2.2	3.4	5.4	7.3	8.8	4.7	1.7	0.6	0.6	0.6
60°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67.5°	0.4	0.4	0.4	0.6	0.4	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6
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



TEST NUMBER: P1318849

CATALOG NUMBER: LDSQA3D02R559835DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9
2.5°	152.6	149.4	144.2	128.3	111.9	96.7	85.9	81.8
5°	171.1	165.3	156.5	124.0	91.3	63.7	48.0	41.8
7.5°	185.6	178.2	165.5	116.5	67.0	34.0	20.4	16.1
10°	195.3	187.1	170.5	105.5	44.4	15.9	7.7	6.3
12.5°	202.4	192.2	172.4	91.3	26.1	7.3	4.1	3.7
15°	207.7	194.4	170.1	74.0	14.4	4.3	3.4	3.4
17.5°	215.0	195.5	164.7	54.5	8.2	3.2	3.2	3.2
20°	220.6	195.5	154.4	37.2	5.0	2.8	2.8	2.8
22.5°	223.4	192.5	141.9	23.5	3.5	2.6	2.8	2.8
25°	220.6	185.3	125.9	14.4	2.8	2.4	2.6	2.8
27.5°	210.3	170.7	104.4	9.2	2.2	2.4	2.6	2.8
30°	193.1	149.6	80.1	6.0	2.1	2.4	2.6	2.8
32.5°	168.8	118.2	51.9	3.9	1.9	2.4	2.6	2.8
35°	131.9	83.7	31.4	2.4	1.9	2.4	2.8	3.0
37.5°	98.8	55.8	17.0	1.5	1.9	2.4	2.8	3.0
40°	68.5	32.5	7.3	1.3	1.9	2.6	3.0	3.0
42.5°	39.8	12.9	1.9	1.1	1.9	2.6	3.0	3.2
45°	14.6	2.6	0.6	1.1	2.1	2.6	3.0	3.4
47.5°	2.1	0.6	0.6	1.1	2.1	2.6	3.2	3.4
50°	0.6	0.6	0.6	1.1	2.1	2.8	3.4	3.5
52.5°	0.6	0.6	0.6	1.1	2.1	2.8	3.4	3.5
55°	0.6	0.6	0.6	1.1	2.1	2.8	3.4	3.5
57.5°	0.6	0.6	0.6	1.1	2.1	2.8	3.4	3.5
60°	0.6	0.6	0.6	1.1	1.9	2.8	3.4	3.5
62.5°	0.6	0.6	0.6	1.1	1.9	2.6	3.2	3.4
65°	0.6	0.6	0.6	1.1	1.7	2.4	3.2	3.2
67.5°	0.6	0.6	0.6	0.9	1.7	2.4	3.0	3.2
70°	0.6	0.6	0.6	0.9	1.5	2.2	2.8	3.0
72.5°	0.6	0.6	0.6	0.7	1.3	2.1	2.6	2.8
75°	0.4	0.6	0.6	0.7	1.3	1.9	2.4	2.6
77.5°	0.4	0.6	0.6	0.6	1.1	1.5	2.1	2.2
80°	0.4	0.4	0.6	0.6	0.9	1.3	1.7	1.9
82.5°	0.4	0.4	0.4	0.6	0.7	0.9	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.6	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)