

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: P1313248

Luminaire Tested: LDSQA3D02R609727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313248  
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: LDSQA3D02R609727DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

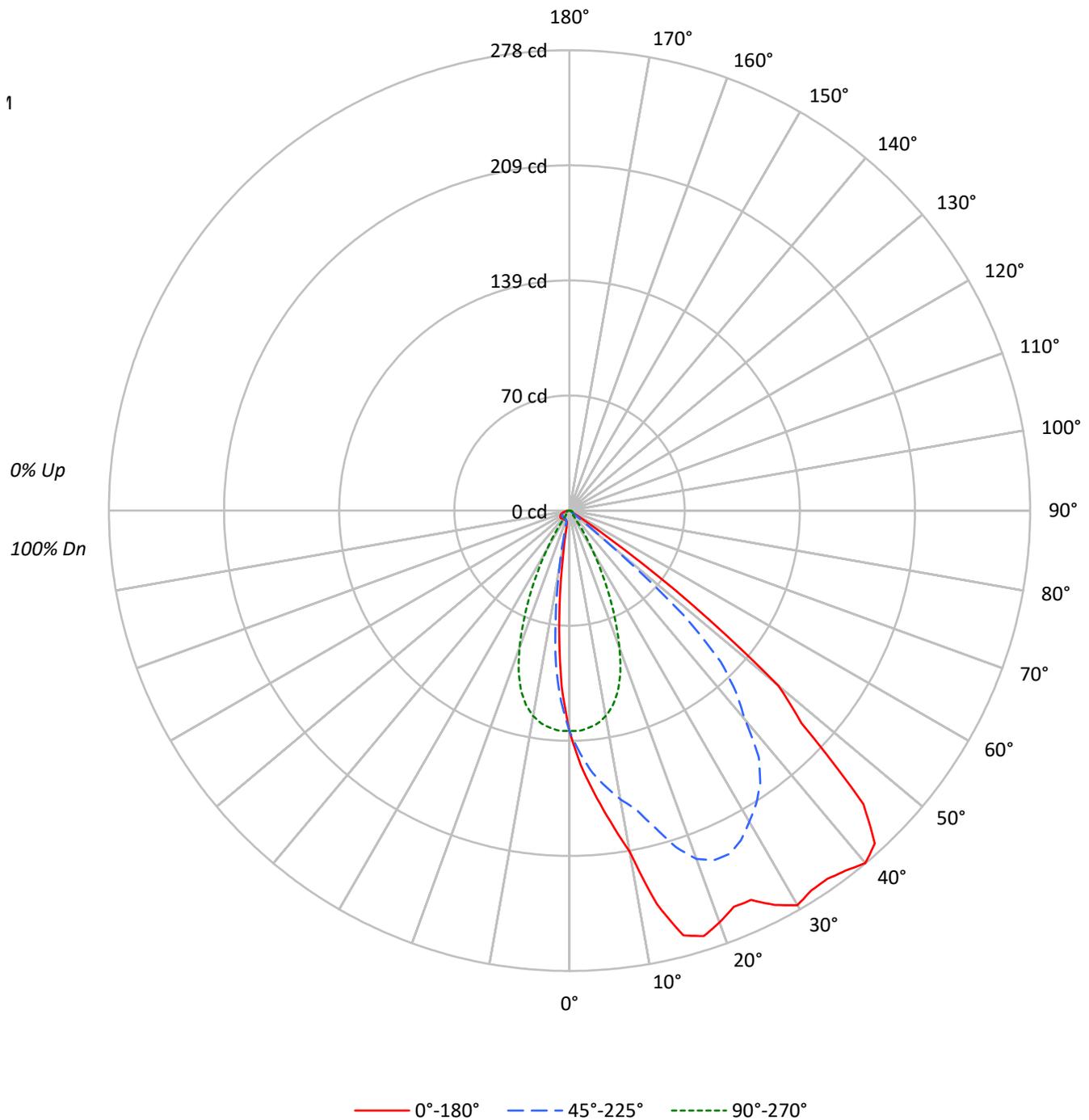
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 216.0 lumens  
Efficiency: N/A  
Efficacy: 60.0 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 (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	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	81	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	42	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°	22906	22906	22906	22906	22906
5°	29580	27471	22768	16216	12378
10°	36550	30954	22035	6138	1819
15°	47338	35232	20112	1337	1195
20°	48513	41035	16183	1118	1155
25°	49293	43440	10851	1083	1159
30°	54708	43154	5588	1094	1213
35°	57060	42196	1535	1156	1325
40°	62455	37005	742	1237	1461
45°	61085	31444	755	1340	1632
50°	44048	7770	831	1474	1795
55°	8437	480	871	1591	2012
60°	413	482	827	1688	2170
65°	408	489	815	1752	2323
70°	403	504	806	1762	2367
75°	399	532	799	1797	2462
80°	198	595	793	1785	2380
85°	395	395	790	1581	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 61085 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.6	5.4
10°-20°	31.9	14.8
20°-30°	49.1	22.8
30°-40°	57.6	26.7
40°-50°	46.2	21.4
50°-60°	14.4	6.6
60°-70°	2.7	1.3
70°-80°	1.8	0.8
80°-90°	0.6	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°	92.6	42.9
0°-40°	150.3	69.6
0°-60°	210.8	97.6
0°-90°	216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	216.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	133	133	133	133	133	
5°	171	159	132	94	72	17
15°	266	198	113	8	7	73
25°	259	229	57	6	6	122
35°	271	201	7	6	6	172
45°	251	129	3	6	7	180
55°	28	2	3	5	7	45
65°	1	1	2	4	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°	133.0	133.0	133.0	133.0	133.0	133.0	133.0	133.0	133.0	133.0	133.0
2.5°	153.4	151.7	151.7	151.1	150.5	150.7	149.1	149.7	148.1	146.8	145.8
5°	171.1	169.1	168.9	167.8	166.8	166.0	164.0	162.7	160.3	158.9	155.8
7.5°	189.5	187.8	186.8	185.6	183.7	181.7	178.2	176.0	172.1	168.2	164.4
10°	209.0	207.6	205.4	203.9	198.8	195.6	190.9	187.8	182.1	177.0	171.1
12.5°	243.3	242.5	238.2	235.3	228.0	221.5	211.3	203.1	192.9	184.6	176.6
15°	265.5	264.5	262.3	259.6	254.9	247.6	238.4	227.0	212.7	197.6	184.1
17.5°	269.4	269.6	268.2	267.6	264.5	259.8	252.5	243.9	229.6	212.9	194.6
20°	264.7	266.3	265.9	267.1	267.8	265.9	261.0	252.7	240.2	223.9	203.3
22.5°	259.0	260.4	260.0	262.3	265.7	267.6	265.9	259.2	246.6	228.4	208.2
25°	259.4	260.4	257.4	258.8	263.3	267.8	268.0	262.1	248.4	228.6	207.8
27.5°	268.4	265.3	258.4	257.8	263.3	269.0	269.4	262.1	245.7	224.3	203.7
30°	275.1	272.9	265.1	264.1	269.4	273.3	271.2	259.8	239.4	217.0	197.8
32.5°	271.8	272.2	269.0	272.2	279.2	280.8	272.2	254.5	230.6	209.8	190.9
35°	271.4	273.1	274.9	280.0	284.7	280.8	267.1	244.5	221.3	200.7	180.1
37.5°	273.9	276.5	279.2	283.7	283.7	273.7	253.7	231.9	210.0	187.6	157.6
40°	277.8	279.4	280.2	279.8	274.3	259.6	238.4	216.6	195.8	164.6	142.8
42.5°	272.7	272.5	271.6	268.2	258.0	238.8	219.0	201.3	168.4	148.5	123.6
45°	250.8	250.8	248.6	243.1	233.7	217.8	200.3	174.4	153.6	129.1	91.8
47.5°	189.9	188.4	190.9	194.1	194.1	192.7	176.8	154.4	133.2	93.2	29.4
50°	164.4	162.1	159.1	159.7	159.3	160.9	150.7	133.8	98.5	29.0	2.0
52.5°	93.0	97.1	107.1	121.1	127.5	129.7	123.4	101.8	33.2	1.8	1.6
55°	28.1	29.0	32.8	40.4	54.9	70.2	71.2	33.0	2.2	1.6	1.6
57.5°	1.2	1.2	1.6	2.4	5.7	8.6	9.2	2.0	1.4	1.6	1.6
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.6
62.5°	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.4
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.4
67.5°	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0
72.5°	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	1.0
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8
77.5°	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
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°	133.0	133.0	133.0	133.0	133.0	133.0	133.0	133.0
2.5°	144.4	142.8	140.9	133.2	125.6	115.4	108.5	106.5
5°	153.2	150.5	146.4	131.7	114.0	93.8	77.5	71.6
7.5°	160.5	156.4	150.7	129.7	100.1	63.6	41.0	34.7
10°	165.8	160.7	153.4	126.0	81.8	35.1	13.9	10.4
12.5°	170.3	163.6	154.8	120.5	59.5	14.3	7.1	7.1
15°	173.3	165.2	155.4	112.8	38.5	7.5	6.7	6.7
17.5°	177.6	167.0	155.4	102.0	21.0	6.5	6.5	6.5
20°	184.6	168.9	153.2	88.3	11.6	6.1	6.3	6.3
22.5°	188.2	171.5	150.3	72.4	7.3	5.9	6.1	6.1
25°	189.0	171.1	144.2	57.1	5.9	5.7	5.9	6.1
27.5°	186.2	168.2	136.0	41.6	5.3	5.5	5.9	6.1
30°	181.1	161.3	123.0	28.1	4.9	5.5	5.9	6.1
32.5°	171.5	144.6	107.7	16.9	4.7	5.5	5.9	6.3
35°	150.1	127.0	90.1	7.3	4.5	5.5	6.1	6.3
37.5°	134.6	109.5	69.7	3.7	4.5	5.5	6.1	6.5
40°	117.5	88.1	32.2	3.3	4.5	5.5	6.1	6.5
42.5°	89.5	40.8	3.9	3.3	4.3	5.5	6.3	6.5
45°	32.6	4.3	2.0	3.1	4.3	5.5	6.3	6.7
47.5°	2.4	1.6	1.8	3.1	4.3	5.5	6.3	6.7
50°	1.6	1.6	1.8	3.1	4.3	5.5	6.3	6.7
52.5°	1.6	1.8	1.8	2.9	4.1	5.5	6.3	6.7
55°	1.6	1.8	1.8	2.9	4.1	5.3	6.3	6.7
57.5°	1.6	1.6	1.8	2.7	3.9	5.1	6.3	6.5
60°	1.6	1.6	1.8	2.4	3.7	4.9	5.9	6.3
62.5°	1.6	1.6	1.6	2.2	3.5	4.7	5.7	6.1
65°	1.4	1.4	1.6	2.0	3.1	4.3	5.3	5.7
67.5°	1.2	1.4	1.4	1.8	2.9	3.9	4.9	5.3
70°	1.2	1.2	1.2	1.6	2.4	3.5	4.5	4.7
72.5°	1.0	1.0	1.2	1.4	2.2	3.1	4.1	4.3
75°	0.8	1.0	1.0	1.2	1.8	2.7	3.5	3.7
77.5°	0.8	0.8	0.8	1.0	1.6	2.2	2.9	3.1
80°	0.6	0.6	0.6	0.8	1.2	1.8	2.2	2.4
82.5°	0.4	0.6	0.6	0.6	1.0	1.2	1.6	1.8
85°	0.4	0.4	0.4	0.4	0.6	0.8	1.0	1.2
87.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)