

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: P1307706

Luminaire Tested: LDSQA3D02R659027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307706  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R659027DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

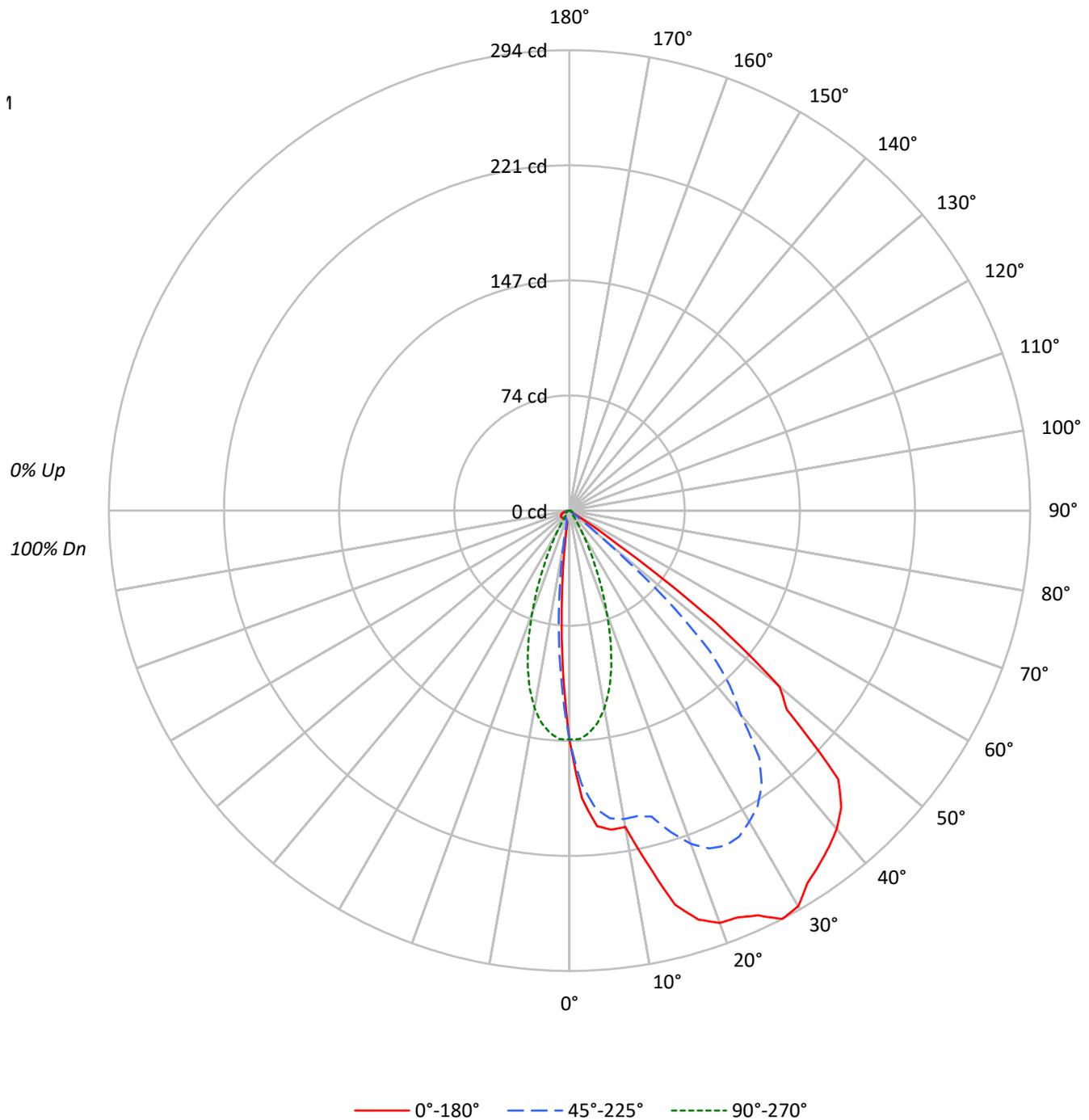
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 219.0 lumens  
Efficiency: N/A  
Efficacy: 60.8 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.64 / 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	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	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81	
3	98	90	84	79	96	88	83	78	86	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	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36	

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

	0°	45°	90°	135°	180°
0°	25162	25162	25162	25162	25162
5°	34974	33003	24635	13537	9526
10°	35868	34976	22402	3777	1399
15°	46464	36070	18347	1212	1177
20°	51354	41494	12756	1081	1118
25°	54196	44846	7221	1045	1121
30°	58029	45620	3261	1034	1173
35°	58238	44929	1051	1093	1282
40°	59667	38175	719	1169	1439
45°	59088	30762	731	1267	1559
50°	46888	7261	723	1393	1768
55°	11140	420	751	1561	1982
60°	379	482	861	1653	2101
65°	448	448	815	1752	2323
70°	352	453	806	1712	2417
75°	333	466	732	1797	2396
80°	198	496	893	1785	2479
85°	395	988	988	1778	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 59209 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.2	5.6
10°-20°	32.1	14.7
20°-30°	50.4	23.0
30°-40°	57.7	26.3
40°-50°	46.4	21.2
50°-60°	15.1	6.9
60°-70°	2.7	1.2
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°	94.7	43.3
0°-40°	152.4	69.6
0°-60°	213.9	97.7
0°-90°	219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	219.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	146	146	146	146	146	
5°	202	191	142	78	55	19
15°	261	202	103	7	7	73
25°	285	236	38	6	6	133
35°	277	214	5	5	6	174
45°	243	126	3	5	6	175
55°	37	1	2	5	7	53
65°	1	1	2	4	6	1
75°	0	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°	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1
2.5°	183.9	183.2	184.1	182.5	182.3	180.7	179.8	179.3	177.3	174.6	172.1
5°	202.3	199.6	200.3	200.0	198.9	198.2	197.3	196.2	193.4	190.9	187.8
7.5°	205.5	203.2	203.7	203.9	203.2	203.0	202.8	202.3	200.5	198.2	195.5
10°	205.1	202.8	202.6	201.9	201.2	201.4	201.4	201.4	201.0	200.0	199.1
12.5°	231.5	228.3	227.6	222.8	218.5	211.0	206.2	201.6	199.6	199.8	199.1
15°	260.6	260.4	258.1	253.5	246.2	239.4	228.5	220.3	209.8	202.3	199.1
17.5°	273.8	273.6	271.5	267.6	262.4	256.0	248.1	238.5	226.9	215.3	205.7
20°	280.2	281.8	279.5	276.3	271.3	265.4	257.9	249.2	238.3	226.4	215.1
22.5°	281.1	283.1	281.1	278.8	275.2	271.3	264.9	256.0	244.9	233.5	222.4
25°	285.2	285.8	281.5	278.6	275.2	272.4	267.4	259.7	248.3	236.0	225.1
27.5°	294.0	291.1	282.0	277.9	274.7	272.2	267.4	259.4	247.2	234.6	223.3
30°	291.8	290.6	282.7	278.8	276.1	273.6	267.6	257.4	242.6	229.4	217.6
32.5°	282.4	284.7	282.0	280.6	279.2	276.1	267.4	253.5	236.9	223.5	207.6
35°	277.0	279.7	279.9	279.9	278.3	273.6	263.3	247.8	231.2	213.7	192.3
37.5°	271.5	273.8	275.2	276.1	273.8	267.0	254.0	240.1	221.9	198.9	161.4
40°	265.4	267.0	268.1	268.6	265.1	256.3	244.4	228.7	208.2	169.8	144.1
42.5°	256.7	257.6	257.4	257.2	253.5	243.7	232.6	216.2	175.7	151.3	120.2
45°	242.6	241.7	243.1	243.1	238.3	231.0	216.2	184.3	157.3	126.3	77.4
47.5°	188.0	188.7	195.3	206.0	212.6	210.5	190.5	161.4	132.2	82.8	25.7
50°	175.0	174.3	174.6	175.7	176.4	170.7	156.4	136.3	87.4	27.1	1.8
52.5°	117.4	118.1	123.4	135.4	139.3	135.2	121.5	91.0	31.9	1.8	1.6
55°	37.1	39.6	42.6	48.9	60.1	67.1	65.8	32.3	2.0	1.4	1.6
57.5°	1.4	1.4	1.8	3.2	6.1	10.0	10.5	2.0	1.6	1.6	1.6
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.4	1.4	1.4
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.4	1.4
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1
70°	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9
75°	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7
80°	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.5	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°	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1
2.5°	170.7	168.0	162.5	146.1	129.0	112.0	101.3	98.5
5°	184.1	180.9	173.2	142.5	107.9	78.3	61.4	55.1
7.5°	192.3	188.4	179.3	136.8	84.0	45.5	27.3	21.8
10°	196.0	192.5	182.3	128.1	60.8	21.6	9.6	8.0
12.5°	197.5	194.8	183.4	116.8	39.6	9.6	7.1	6.8
15°	198.2	195.3	183.0	102.9	22.5	6.8	6.6	6.6
17.5°	198.9	195.5	180.2	86.9	12.5	6.4	6.1	6.4
20°	204.4	194.6	175.5	69.6	8.2	5.9	5.9	6.1
22.5°	209.8	194.4	167.0	53.3	6.4	5.7	5.9	5.9
25°	211.7	192.1	156.4	38.0	5.5	5.5	5.7	5.9
27.5°	208.2	185.5	142.0	25.7	4.8	5.5	5.7	5.9
30°	200.3	174.3	124.7	16.4	4.6	5.2	5.7	5.9
32.5°	185.5	152.3	105.4	9.8	4.3	5.2	5.9	5.9
35°	155.9	127.7	83.5	5.0	4.3	5.2	5.9	6.1
37.5°	136.3	106.5	58.3	3.4	4.3	5.2	5.9	6.1
40°	113.1	76.9	24.4	3.2	4.3	5.2	5.9	6.4
42.5°	78.3	33.5	3.9	3.0	4.1	5.2	6.1	6.4
45°	28.2	4.3	1.8	3.0	4.1	5.2	6.1	6.4
47.5°	2.5	1.6	1.8	3.0	4.1	5.2	6.1	6.6
50°	1.6	1.6	1.6	2.7	4.1	5.2	6.1	6.6
52.5°	1.6	1.6	1.6	2.7	3.9	5.2	6.4	6.6
55°	1.6	1.6	1.6	2.5	3.9	5.2	6.1	6.6
57.5°	1.6	1.6	1.8	2.5	3.9	5.0	6.1	6.4
60°	1.6	1.6	1.6	2.5	3.6	4.8	5.9	6.1
62.5°	1.4	1.6	1.6	2.3	3.4	4.6	5.7	5.9
65°	1.4	1.4	1.6	2.0	3.2	4.3	5.2	5.7
67.5°	1.1	1.4	1.4	1.8	2.7	3.9	4.8	5.2
70°	1.1	1.1	1.1	1.6	2.5	3.4	4.6	4.8
72.5°	0.9	1.1	1.1	1.4	2.0	3.0	3.9	4.3
75°	0.9	0.9	0.9	1.1	1.8	2.7	3.4	3.6
77.5°	0.7	0.7	0.9	0.9	1.6	2.0	3.0	3.2
80°	0.7	0.7	0.7	0.9	1.1	1.8	2.3	2.5
82.5°	0.5	0.5	0.5	0.7	0.9	1.1	1.6	1.8
85°	0.5	0.5	0.5	0.5	0.7	0.9	1.1	1.1
87.5°	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)