

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: P1323543

Luminaire Tested: LDSQA3D02R709030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

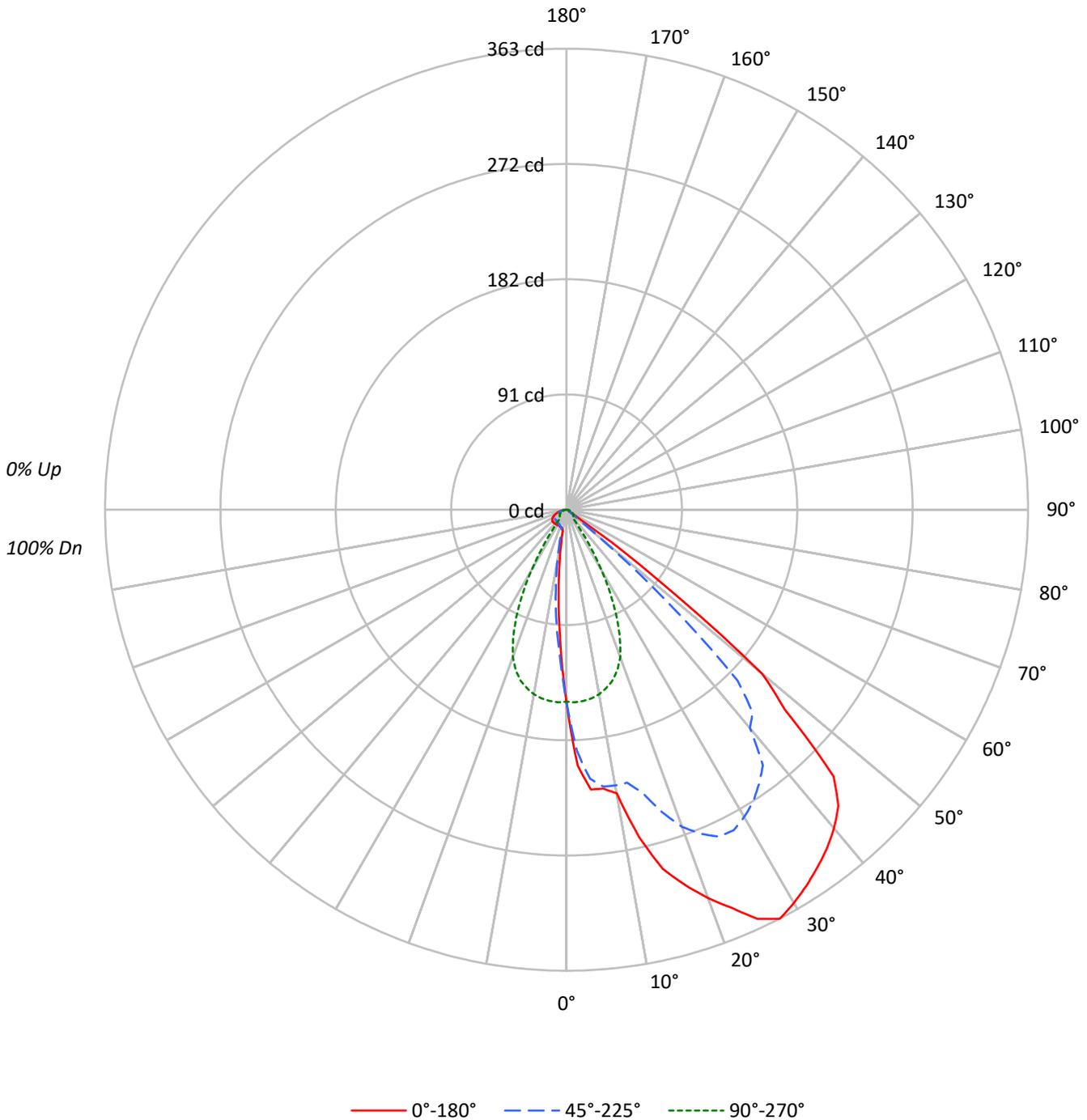
Test Method: LM-79-2019  
Report Number: P1323543  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709030D2WDE010 3LSQCA30R 1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 287.0 lumens  
Efficiency: N/A  
Efficacy: 39.9 lumens/watt  
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	95	93	92	90	
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	87	84	82	80	
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	80	76	73	71	
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	73	69	65	64	
5	84	74	66	61	82	73	66	60	71	65	60	69	64	59	67	62	59	67	62	59	57	
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	62	57	53	51	
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	57	52	48	46	
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	53	47	43	42	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	49	44	40	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35	

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

	0°	45°	90°	135°	180°
0°	26023	26023	26023	26023	26023
5°	38224	36772	26122	15594	12223
10°	39645	38561	25795	7467	3025
15°	52206	41116	24855	2674	2621
20°	59620	48696	22616	2566	2621
25°	67516	53968	17767	2470	2603
30°	71114	55563	11017	2466	2784
35°	72303	55463	3637	2523	2943
40°	73584	50450	1754	2698	3215
45°	72410	46325	1827	2850	3483
50°	53827	8547	1822	3135	3831
55°	4294	1171	1952	3333	4114
60°	896	1240	1894	3376	4271
65°	937	1182	1875	3301	4360
70°	806	1158	1813	3122	4280
75°	665	1065	1530	3061	4126
80°	694	992	1587	2876	3868
85°	593	1383	1976	2569	3162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 15°  
 Vertical Angle: 45°  
 Luminance: 73287 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.8	4.8
10°-20°	38.7	13.5
20°-30°	64.9	22.6
30°-40°	78.1	27.2
40°-50°	61.9	21.6
50°-60°	19.8	6.9
60°-70°	5.5	1.9
70°-80°	3.3	1.2
80°-90°	1.1	0.4
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°	117.4	40.9
0°-40°	195.4	68.1
0°-60°	277.1	96.6
0°-90°	287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	287.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	151	151	151	151	151	
5°	221	213	151	90	71	21
15°	293	231	139	15	15	82
25°	355	284	94	13	14	162
35°	344	264	17	12	14	215
45°	297	190	8	12	14	214
55°	14	4	6	11	14	45
65°	2	3	5	8	11	2
75°	1	2	2	5	6	1
85°	0	1	1	1	2	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°	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1
2.5°	201.6	202.9	202.9	201.3	201.9	199.3	197.3	194.4	193.8	190.2	185.6
5°	221.1	220.5	220.5	219.2	219.8	218.8	217.9	217.2	215.3	212.7	210.0
7.5°	221.4	222.1	222.4	222.1	223.4	222.4	222.4	222.4	221.1	219.8	217.2
10°	226.7	225.7	224.7	222.4	221.1	220.1	220.1	220.5	221.1	220.5	218.8
12.5°	264.1	260.5	258.9	253.4	249.1	242.0	233.8	227.6	222.1	220.1	218.8
15°	292.8	292.1	288.9	283.6	278.4	270.0	260.5	251.1	241.0	230.6	223.1
17.5°	309.7	308.4	305.1	299.6	293.4	285.6	278.1	270.9	261.2	249.5	237.4
20°	325.3	322.4	318.2	311.7	305.5	298.0	289.8	283.0	274.9	265.7	251.7
22.5°	339.3	336.7	329.9	321.1	314.9	307.7	300.6	294.1	286.6	276.2	263.5
25°	355.3	349.4	338.4	327.0	319.5	313.6	308.4	303.2	295.4	284.0	269.0
27.5°	363.1	355.0	342.9	331.5	324.4	318.2	312.6	307.4	298.6	284.6	267.4
30°	357.6	353.0	344.5	335.8	329.9	324.0	317.5	309.7	295.7	279.4	263.5
32.5°	351.1	348.8	344.9	339.7	336.1	330.2	321.1	308.4	288.9	272.9	255.6
35°	343.9	342.9	341.6	339.3	337.1	331.5	320.1	301.6	282.0	263.8	247.2
37.5°	336.4	335.4	336.4	336.1	334.1	327.0	309.7	292.4	272.2	253.7	221.4
40°	327.3	326.6	328.3	329.9	327.6	318.2	299.6	278.8	260.9	224.4	213.3
42.5°	316.5	316.2	319.1	320.4	317.2	303.2	281.4	266.1	228.3	216.6	190.5
45°	297.3	298.0	299.3	300.9	299.0	283.6	263.8	235.8	219.2	190.2	108.4
47.5°	232.8	233.5	240.0	253.7	263.1	257.9	241.0	220.1	196.0	108.8	34.2
50°	200.9	200.3	200.6	203.9	211.4	218.5	213.3	201.9	116.9	31.9	4.2
52.5°	88.3	98.0	108.4	137.8	156.6	176.5	180.4	126.4	38.1	4.2	4.2
55°	14.3	15.0	18.9	27.7	49.8	75.2	91.2	42.3	3.9	3.9	3.9
57.5°	2.9	2.9	2.9	3.3	4.9	10.4	12.0	3.6	3.6	3.6	3.9
60°	2.6	2.6	2.6	2.6	2.9	2.9	2.9	3.3	3.3	3.6	3.6
62.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.9	2.9	3.3	3.3	3.6
65°	2.3	2.3	2.3	2.3	2.6	2.6	2.6	2.6	2.9	2.9	3.3
67.5°	2.0	2.0	2.0	2.0	2.3	2.3	2.3	2.6	2.6	2.6	2.9
70°	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.3	2.3	2.3
72.5°	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6	2.0	2.0	2.0
75°	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3
80°	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0
82.5°	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1
2.5°	182.7	178.1	171.9	151.8	133.2	116.3	107.8	106.8
5°	205.8	201.6	191.2	151.1	115.6	90.2	74.9	70.7
7.5°	214.6	211.0	201.9	149.8	99.0	64.8	47.5	41.0
10°	216.9	214.6	206.8	147.5	81.7	42.7	22.5	17.3
12.5°	217.9	216.2	208.7	143.9	64.5	22.1	15.3	15.3
15°	219.5	217.9	210.7	139.4	47.5	15.0	14.7	14.7
17.5°	226.7	221.4	213.3	132.5	31.3	14.3	14.3	14.3
20°	238.4	227.0	214.6	123.4	19.5	14.0	14.0	14.3
22.5°	248.1	232.8	214.3	109.7	14.3	13.4	13.7	14.0
25°	252.4	235.4	211.4	93.5	12.4	13.0	13.7	13.7
27.5°	251.7	236.4	208.7	74.9	11.7	12.7	13.4	14.0
30°	248.1	233.8	202.9	55.4	11.1	12.4	13.4	14.0
32.5°	242.0	223.7	191.2	35.8	10.7	12.4	13.4	14.0
35°	221.8	207.4	174.2	17.3	10.4	12.0	13.7	14.0
37.5°	210.0	190.2	132.9	8.5	10.1	12.0	13.7	14.0
40°	191.2	142.0	59.9	7.8	10.1	12.0	13.7	14.3
42.5°	120.2	58.3	9.8	7.5	9.8	12.0	13.7	14.3
45°	44.0	7.8	5.2	7.5	9.8	11.7	13.7	14.3
47.5°	4.6	4.6	4.9	7.2	9.4	11.7	13.7	14.3
50°	4.2	4.6	4.9	6.8	9.1	11.7	13.4	14.3
52.5°	4.2	4.6	4.9	6.8	8.8	11.4	13.4	14.3
55°	4.2	4.6	4.6	6.5	8.5	11.1	13.0	13.7
57.5°	3.9	4.2	4.6	6.2	8.1	10.4	12.7	13.4
60°	3.9	4.2	4.6	5.5	7.8	9.8	12.0	12.4
62.5°	3.6	3.9	4.2	5.2	7.2	9.1	11.1	11.7
65°	3.6	3.6	3.9	4.6	6.5	8.1	10.1	10.7
67.5°	2.9	3.3	3.3	3.9	5.5	7.2	9.1	9.8
70°	2.6	2.6	2.9	3.6	4.9	6.2	7.8	8.5
72.5°	2.3	2.3	2.3	2.9	4.2	5.5	6.8	7.5
75°	2.0	2.0	2.0	2.3	3.6	4.6	5.9	6.2
77.5°	1.6	1.6	1.6	2.0	2.9	3.9	4.6	5.2
80°	1.3	1.3	1.3	1.6	2.3	2.9	3.6	3.9
82.5°	1.0	1.0	1.0	1.3	1.6	2.0	2.6	2.6
85°	0.7	0.7	0.7	1.0	1.0	1.3	1.6	1.6
87.5°	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)