

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: P1311071

Luminaire Tested: LDSQA3D02R709040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

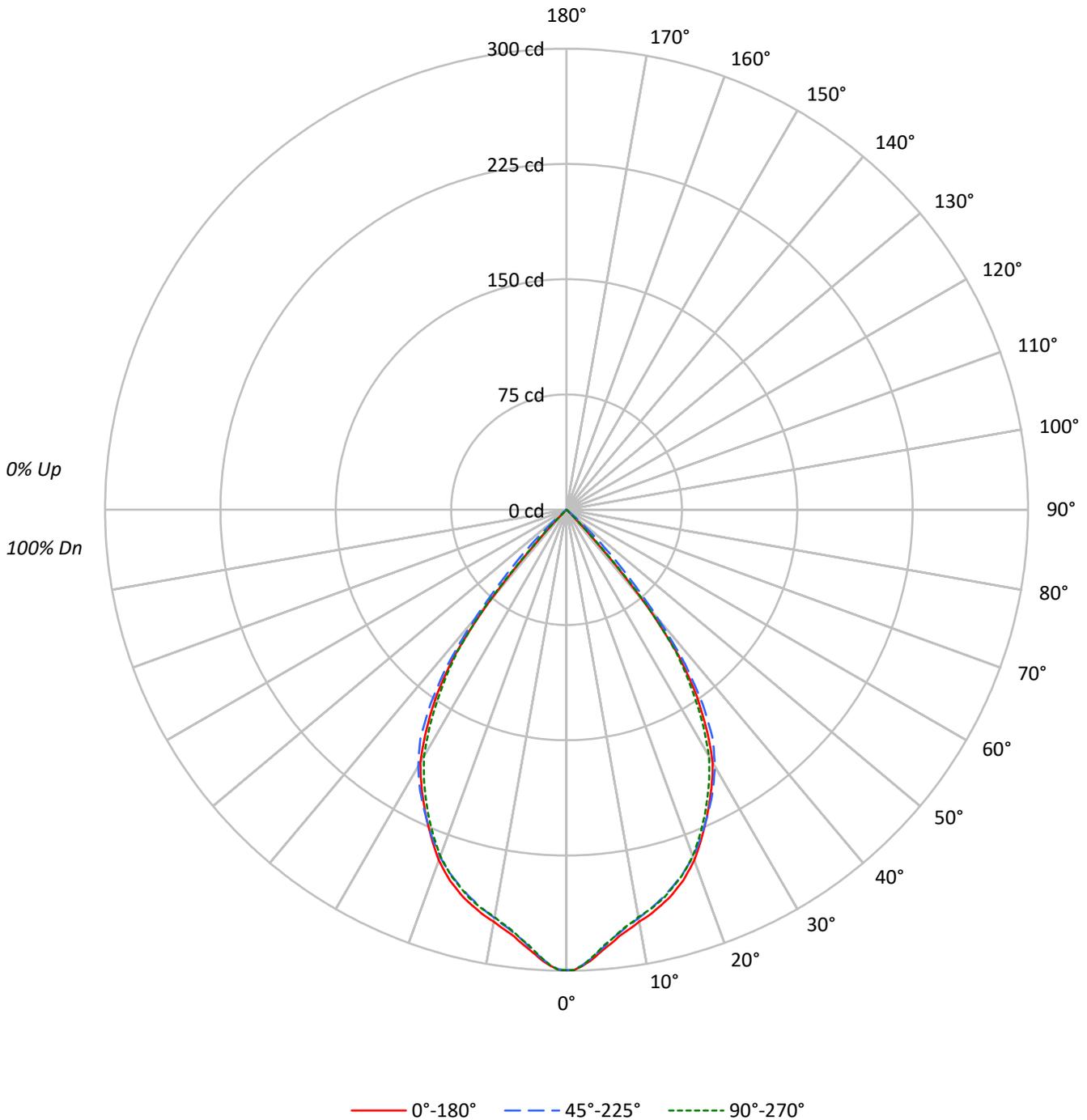
Test Method: LM-79-2019  
Report Number: P1311071  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709040DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 310.0 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
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				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
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86				86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80				80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74				74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68				68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63				63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59				59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51				51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48				48

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

	0°	45°	90°
0°	51598	51598	51598
5°	49530	49271	49133
10°	47585	47182	47078
15°	46464	45805	45894
20°	44499	44059	43968
25°	41293	41388	40742
30°	37804	38321	36850
35°	30927	32399	29708
40°	17806	20751	18278
45°	244	8622	901
50°	0	911	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 8622 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.7	8.6
10°-20°	72.4	23.4
20°-30°	99.5	32.1
30°-40°	90.2	29.1
40°-50°	21.0	6.8
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	198.7	64.1
0°-40°	288.9	93.2
0°-60°	310.0	100.0
0°-90°	310.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	310.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	300	300	300	300	300	
5°	286	286	285	284	284	27
15°	261	259	257	257	257	73
25°	217	218	218	216	214	100
35°	147	149	154	148	141	88
45°	1	12	35	15	4	13
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	299.6	299.6	299.6	299.6	299.6
1°	299.4	298.9	299.1	299.4	299.6
2°	297.0	296.5	296.5	296.8	296.8
3°	294.1	293.1	293.1	292.8	292.8
4°	290.2	289.4	288.9	288.6	288.6
5°	286.5	285.7	285.0	284.4	284.2
6°	283.4	282.1	281.0	280.8	281.0
7°	279.7	278.9	277.9	277.1	277.4
8°	277.1	276.0	274.7	274.2	274.2
9°	274.7	273.7	272.4	271.3	271.9
10°	272.1	271.1	269.8	269.0	269.2
11°	270.3	269.0	267.4	266.9	267.1
12°	268.2	266.6	265.0	264.8	265.3
13°	265.6	264.0	262.4	262.4	262.9
14°	263.2	261.4	259.8	259.8	260.6
15°	260.6	258.7	256.9	256.9	257.4
17.5°	252.7	251.1	249.3	249.3	249.6
20°	242.8	242.0	240.4	239.6	239.9
22.5°	230.2	230.2	229.4	228.1	227.5
25°	217.3	218.4	217.8	215.8	214.4
27.5°	204.0	205.8	206.1	202.9	200.5
30°	190.1	191.6	192.7	189.0	185.3
32.5°	169.6	174.3	177.0	172.0	164.4
35°	147.1	149.2	154.1	147.6	141.3
37.5°	119.5	122.2	126.4	121.1	117.4
40°	79.2	89.7	92.3	89.7	81.3
42.5°	28.6	50.3	60.6	51.4	33.6
45°	1.0	11.8	35.4	15.2	3.7
47.5°	0.0	0.3	16.0	0.5	0.0
50°	0.0	0.0	3.4	0.0	0.0
52.5°	0.0	0.0	0.3	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)