

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: P1310278

Luminaire Tested: LDSQA3D09R709035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310278  
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: LDSQA3D09R709035DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

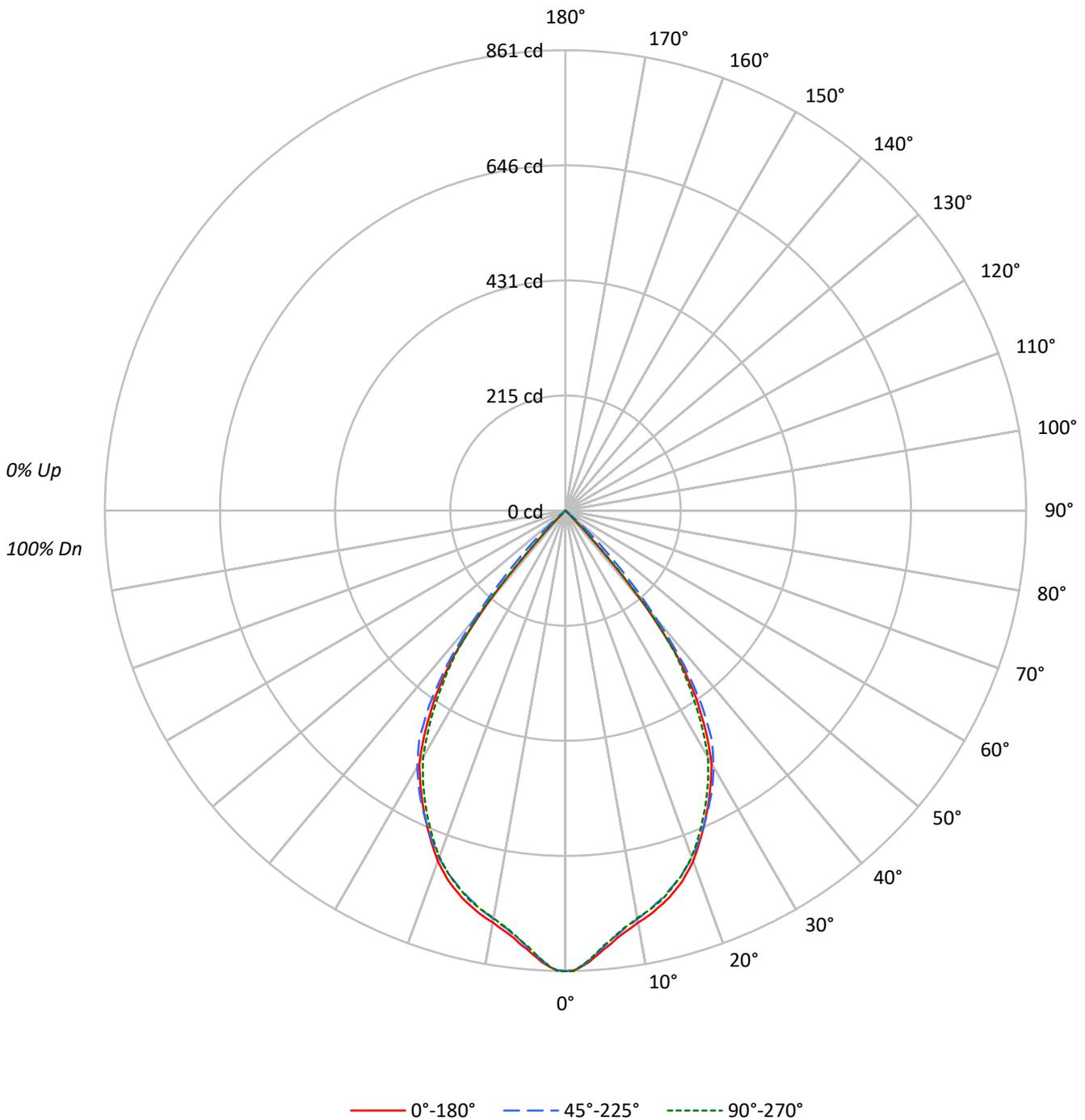
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 891.0 lumens  
Efficiency: N/A  
Efficacy: 80.3 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): 11.1  
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

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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	100	100	100	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	93	93	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	86	86	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80	80	80	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74	74	74	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68	68	68	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63	63	63	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48	48	48	48

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

	0°	45°	90°
0°	148318	148318	148318
5°	142384	141589	141209
10°	136773	135584	135322
15°	133545	131655	131923
20°	127871	126625	126350
25°	118691	118976	117113
30°	108640	110132	105936
35°	88871	93139	85381
40°	51169	59622	52518
45°	731	24770	2557
50°	0	2626	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: 24770 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.8	8.6
10°-20°	208.2	23.4
20°-30°	286.0	32.1
30°-40°	259.3	29.1
40°-50°	60.3	6.8
50°-60°	0.3	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°	571.1	64.1
0°-40°	830.4	93.2
0°-60°	891.0	100.0
0°-90°	891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	861	861	861	861	861	
5°	824	821	819	818	817	77
15°	749	744	738	738	740	210
25°	625	628	626	620	616	287
35°	423	429	443	424	406	254
45°	3	34	102	44	10	36
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°	861.2	861.2	861.2	861.2	861.2
1°	860.5	859.0	859.7	860.5	861.2
2°	853.7	852.2	852.2	852.9	852.9
3°	845.4	842.4	842.4	841.6	841.6
4°	834.1	831.8	830.3	829.6	829.6
5°	823.6	821.3	819.0	817.5	816.8
6°	814.5	810.7	807.7	807.0	807.7
7°	804.0	801.7	798.7	796.4	797.2
8°	796.4	793.4	789.6	788.1	788.1
9°	789.6	786.6	782.9	779.9	781.4
10°	782.1	779.1	775.3	773.1	773.8
11°	776.8	773.1	768.6	767.0	767.8
12°	770.8	766.3	761.8	761.0	762.5
13°	763.3	758.8	754.2	754.2	755.7
14°	756.5	751.2	746.7	746.7	749.0
15°	749.0	743.7	738.4	738.4	739.9
17.5°	726.4	721.8	716.6	716.6	717.3
20°	697.7	695.5	690.9	688.7	689.4
22.5°	661.6	661.6	659.3	655.5	654.0
25°	624.6	627.6	626.1	620.1	616.3
27.5°	586.2	591.5	592.2	583.2	576.4
30°	546.3	550.8	553.8	543.3	532.7
32.5°	487.5	501.1	508.6	494.3	472.4
35°	422.7	428.7	443.0	424.2	406.1
37.5°	343.6	351.1	363.2	348.1	337.6
40°	227.6	257.7	265.2	257.7	233.6
42.5°	82.1	144.7	174.1	147.7	96.4
45°	3.0	33.9	101.7	43.7	10.5
47.5°	0.0	0.8	46.0	1.5	0.0
50°	0.0	0.0	9.8	0.0	0.0
52.5°	0.0	0.0	0.8	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)