

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: P1317306

Luminaire Tested: LDSQA3D09R209827DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317306  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R209827DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

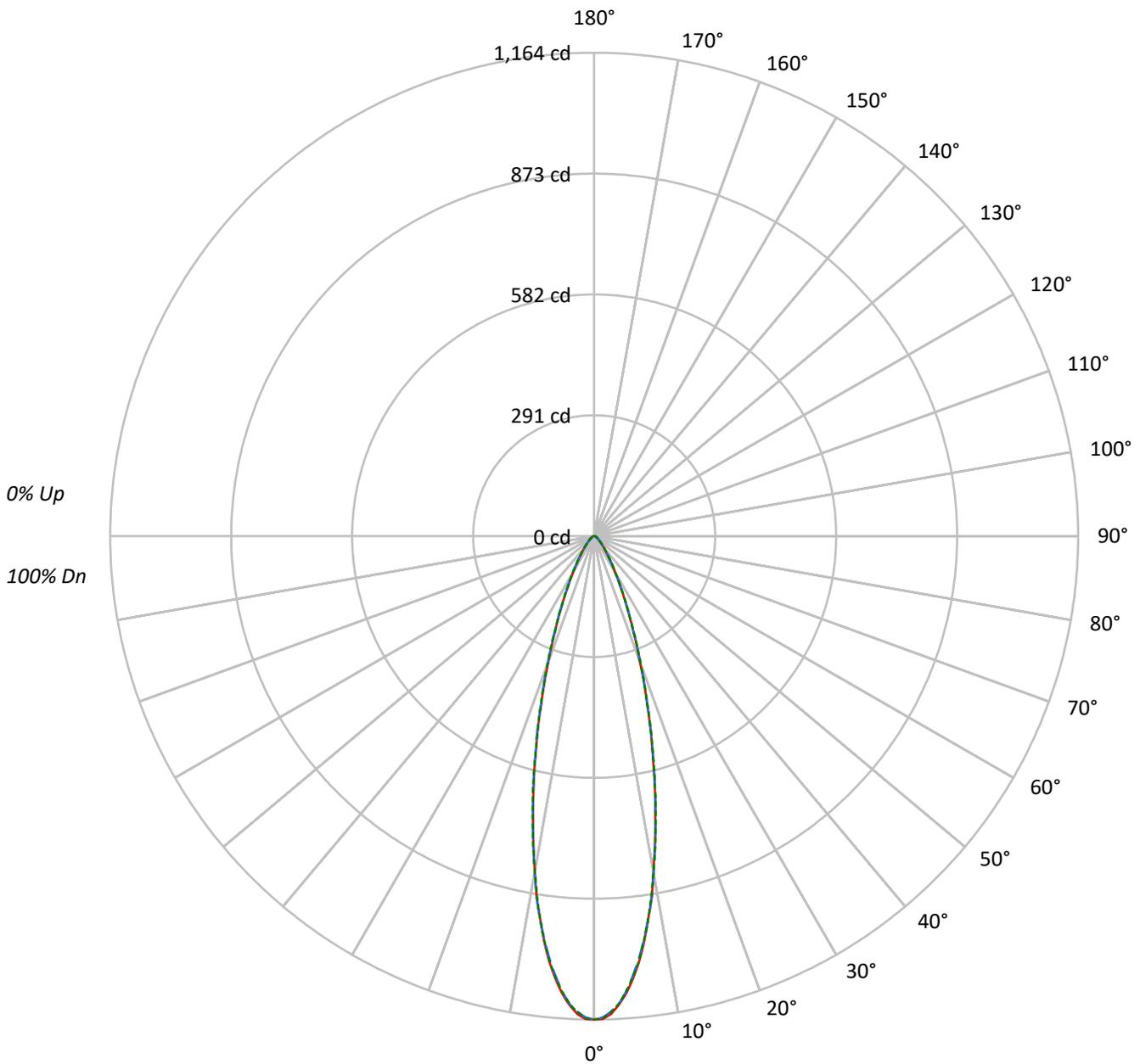
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 409.0 lumens  
Efficiency: N/A  
Efficacy: 37.2 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	200433	200433	200433
5°	184913	183858	184481
10°	143489	143681	143681
15°	96994	97440	97440
20°	58905	59656	59931
25°	34547	35041	34946
30°	20165	20563	20662
35°	12320	12636	12636
40°	8026	8139	8251
45°	5578	5699	5821
50°	4099	4233	4233
55°	3213	3363	3363
60°	2790	2790	2997
65°	2486	2486	2690
70°	2316	2316	2316
75°	2063	2063	2063
80°	1488	1488	1984
85°	988	988	1976

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 5821 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.8	22.9
10°-20°	150.3	36.7
20°-30°	87.0	21.3
30°-40°	39.0	9.5
40°-50°	18.5	4.5
50°-60°	10.1	2.5
60°-70°	6.1	1.5
70°-80°	3.3	0.8
80°-90°	0.7	0.2
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°	331.2	81.0
0°-40°	370.2	90.5
0°-60°	398.8	97.5
0°-90°	409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	409.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1164	1164	1164	1164	1164	
5°	1070	1066	1064	1066	1067	94
15°	544	544	546	544	546	150
25°	182	182	184	183	184	86
35°	59	59	60	61	60	38
45°	23	23	23	23	24	18
55°	11	11	11	11	11	10
65°	6	6	6	6	7	6
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1163.8	1163.8	1163.8	1163.8	1163.8
1°	1163.3	1160.3	1159.3	1158.2	1161.3
2°	1151.6	1148.0	1146.0	1147.0	1147.5
3°	1130.7	1128.7	1128.7	1127.2	1128.2
4°	1103.7	1099.7	1099.7	1100.2	1100.2
5°	1069.6	1066.0	1063.5	1065.5	1067.1
6°	1031.4	1026.8	1024.8	1025.3	1028.9
7°	984.6	978.4	979.5	982.0	982.0
8°	931.6	931.1	932.1	931.1	932.1
9°	882.7	875.6	881.7	876.6	879.1
10°	820.5	820.0	821.6	823.1	821.6
12.5°	678.9	681.5	682.5	680.5	685.1
15°	544.0	544.0	546.5	544.0	546.5
17.5°	423.3	422.8	424.8	422.8	425.8
20°	321.4	325.0	325.5	325.5	327.0
22.5°	242.4	242.4	244.5	245.0	244.0
25°	181.8	181.8	184.4	182.9	183.9
27.5°	134.5	135.5	137.5	138.5	138.5
30°	101.4	101.9	103.4	103.9	103.9
32.5°	76.4	77.4	78.4	78.9	79.5
35°	58.6	59.1	60.1	60.6	60.1
37.5°	44.8	45.3	46.3	46.9	46.9
40°	35.7	35.7	36.2	36.7	36.7
42.5°	28.0	28.5	28.5	29.0	29.0
45°	22.9	22.9	23.4	23.4	23.9
47.5°	18.3	18.3	18.8	19.4	19.4
50°	15.3	15.3	15.8	15.8	15.8
52.5°	12.7	12.7	13.2	13.2	13.2
55°	10.7	10.7	11.2	11.2	11.2
57.5°	9.2	9.2	9.7	9.7	9.7
60°	8.1	8.1	8.1	8.1	8.7
62.5°	7.1	7.1	7.1	7.1	7.1
65°	6.1	6.1	6.1	6.1	6.6
67.5°	5.1	5.1	5.1	5.1	5.6
70°	4.6	4.6	4.6	4.6	4.6
72.5°	3.6	3.6	3.6	4.1	4.1
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.5	1.5	1.5	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)