

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: P1318280

Luminaire Tested: LDSQA3D09R609830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318280  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R609830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

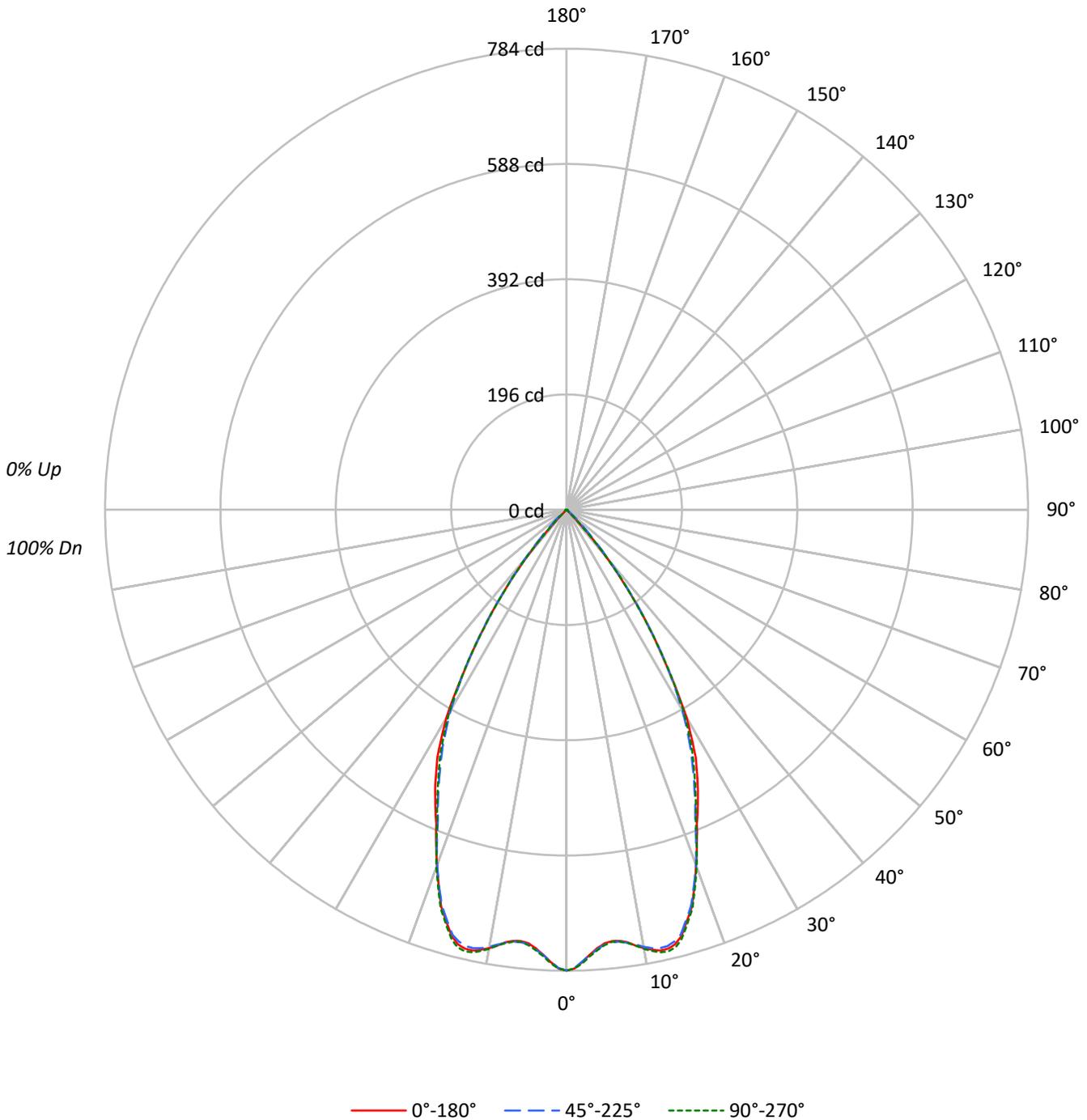
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 698.9 lumens  
Efficiency: N/A  
Efficacy: 63.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9  
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 (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				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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	85	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	80	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	75	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	71	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	60	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	56	53	52

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

	0°	45°	90°
0°	134971	134971	134971
5°	127914	128295	128485
10°	132366	131982	132646
15°	133973	133385	134758
20°	117974	117864	118469
25°	100391	97484	98301
30°	81018	78194	79506
35°	51279	51741	51174
40°	23966	24955	24348
45°	1461	8793	1729
50°	723	2063	723
55°	811	811	811
60°	758	758	758
65°	652	897	652
70°	806	806	806
75°	732	732	732
80°	496	496	496
85°	988	988	988

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 8793 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.4	10.2
10°-20°	205.7	29.4
20°-30°	237.1	33.9
30°-40°	152.3	21.8
40°-50°	26.5	3.8
50°-60°	2.5	0.4
60°-70°	1.9	0.3
70°-80°	1.1	0.2
80°-90°	0.3	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°	514.3	73.6
0°-40°	666.5	95.4
0°-60°	695.5	99.5
0°-90°	698.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	740	742	742	744	743	71
15°	751	749	748	753	756	206
25°	528	522	513	514	517	241
35°	244	242	246	241	243	152
45°	6	18	36	21	7	20
55°	3	3	3	3	3	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	783.7	783.7	783.7	783.7	783.7
1°	780.4	779.9	779.3	779.9	780.4
2°	769.5	768.9	768.4	770.6	771.6
3°	757.4	758.0	758.5	759.6	760.2
4°	747.6	748.7	749.2	750.3	750.9
5°	739.9	741.6	742.1	743.8	743.2
6°	737.7	738.8	739.4	739.9	738.8
7°	738.8	739.4	739.9	741.0	739.9
8°	742.7	743.2	743.8	744.3	744.3
9°	750.3	749.2	748.7	750.9	750.3
10°	756.9	755.2	754.7	758.0	758.5
11°	762.4	760.2	759.6	763.4	764.5
12°	766.2	762.9	762.4	767.3	769.5
13°	766.2	761.8	761.8	767.3	770.6
14°	761.8	756.9	756.9	762.9	766.7
15°	751.4	748.7	748.1	753.1	755.8
17.5°	707.7	704.4	704.9	710.4	710.9
20°	643.7	642.0	643.1	644.2	646.4
22.5°	578.6	577.5	571.5	573.1	574.2
25°	528.3	522.3	513.0	513.5	517.3
27.5°	475.2	469.2	456.1	458.8	462.7
30°	407.4	402.5	393.2	394.8	399.8
32.5°	319.9	329.8	321.0	323.8	322.1
35°	243.9	242.3	246.1	241.2	243.4
37.5°	171.7	172.3	173.9	169.5	169.5
40°	106.6	109.4	111.0	108.8	108.3
42.5°	44.8	61.3	64.5	61.3	45.4
45°	6.0	18.0	36.1	21.3	7.1
47.5°	2.7	3.8	19.1	3.8	2.7
50°	2.7	2.7	7.7	2.7	2.7
52.5°	2.7	2.7	2.7	2.7	2.7
55°	2.7	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	2.7	2.7	2.7
60°	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	1.6	2.2	2.2	2.2	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5
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)