

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: P1318279

Luminaire Tested: LDSQA3D09R609830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318279  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R609830DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

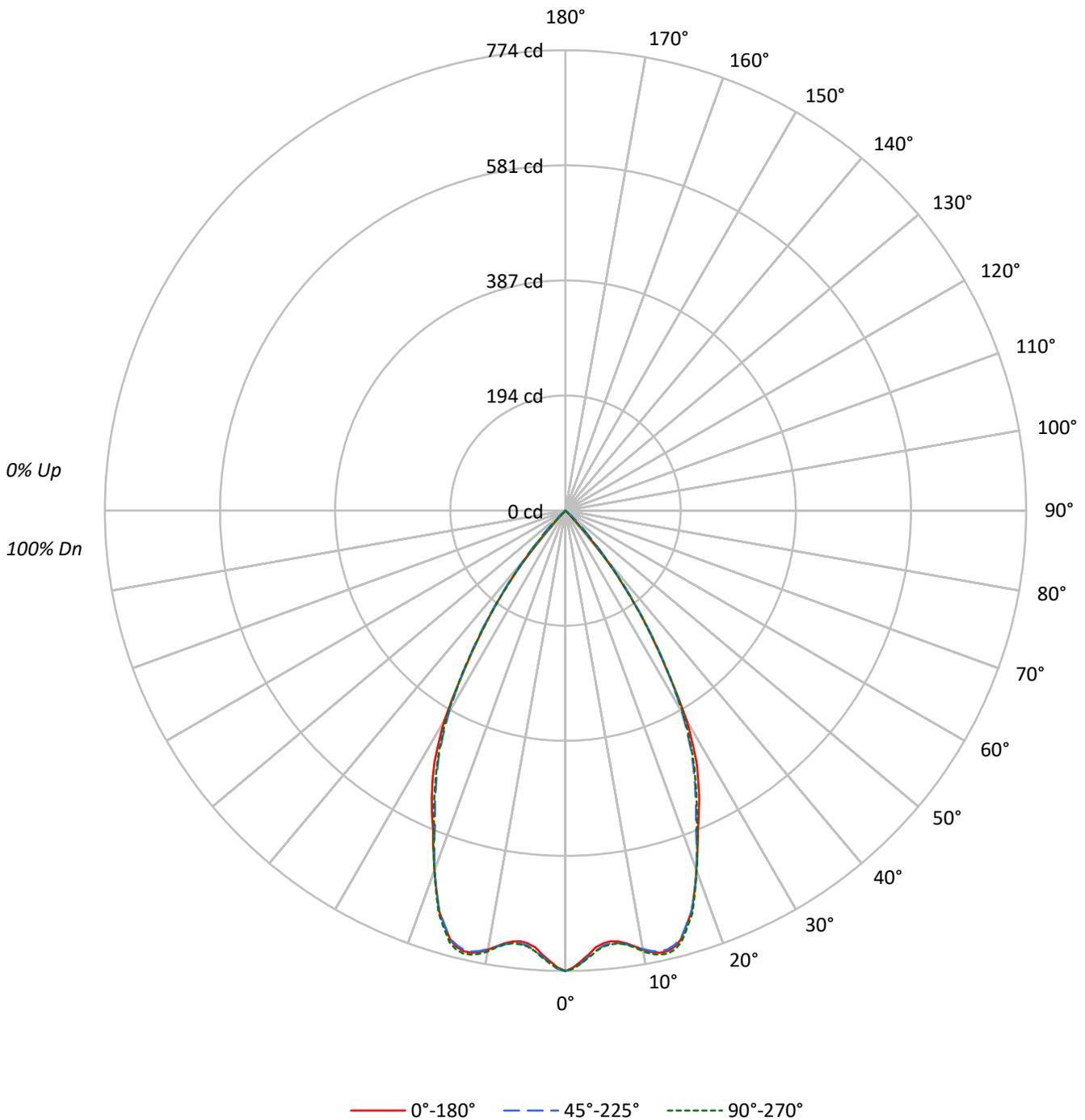
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 686.0 lumens  
Efficiency: N/A  
Efficacy: 62.4 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 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 (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	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	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	61	57	54	53

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

	0°	45°	90°
0°	133318	133318	133318
5°	126255	126929	127119
10°	131072	130880	131649
15°	133242	133046	134027
20°	117919	117919	118103
25°	101037	98035	98871
30°	80839	77896	79089
35°	50143	51174	50038
40°	22010	24236	22639
45°	268	7867	658
50°	0	884	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: 7867 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.7	10.3
10°-20°	204.9	29.9
20°-30°	237.9	34.7
30°-40°	149.8	21.8
40°-50°	22.5	3.3
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°	513.6	74.9
0°-40°	663.4	96.7
0°-60°	686.0	100.0
0°-90°	686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	686.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	730	733	734	736	735	70
15°	747	745	746	751	752	205
25°	532	526	516	518	520	242
35°	238	239	243	238	238	149
45°	1	10	32	14	3	15
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°	774.1	774.1	774.1	774.1	774.1
1°	768.1	770.3	770.3	770.8	770.3
2°	757.7	761.0	761.0	762.6	761.5
3°	747.3	750.0	750.6	752.8	752.2
4°	735.8	740.2	741.8	742.9	742.4
5°	730.3	733.1	734.2	735.8	735.3
6°	728.1	730.3	731.4	733.1	733.1
7°	729.8	731.4	733.1	734.2	733.1
8°	734.7	736.4	736.4	738.5	736.9
9°	741.8	742.4	742.4	745.1	743.5
10°	749.5	748.4	748.4	752.2	752.8
11°	756.0	755.0	754.4	758.2	759.3
12°	759.9	757.7	757.7	762.6	763.2
13°	760.4	757.7	757.7	762.6	764.3
14°	756.0	752.8	753.3	758.8	760.4
15°	747.3	744.6	746.2	751.1	751.7
17.5°	705.7	704.1	705.2	708.5	709.0
20°	643.4	642.3	643.4	643.4	644.4
22.5°	581.5	578.8	573.3	576.6	577.2
25°	531.7	525.7	515.9	518.1	520.3
27.5°	477.0	469.4	459.0	461.7	462.3
30°	406.5	402.6	391.7	394.4	397.7
32.5°	314.0	324.4	317.8	317.3	317.8
35°	238.5	239.1	243.4	238.5	238.0
37.5°	166.9	167.4	170.7	165.2	165.8
40°	97.9	105.0	107.8	105.6	100.7
42.5°	30.6	54.2	61.3	53.1	33.9
45°	1.1	10.4	32.3	13.7	2.7
47.5°	0.0	0.5	15.3	1.1	0.0
50°	0.0	0.0	3.3	0.0	0.0
52.5°	0.0	0.0	0.5	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)