

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: P1317131

Luminaire Tested: LDSQA3D02R709827DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317131  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709827DE010 3LSQCLSWWR 1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCLSWWR 1MW TF  
Light Source: -  
Ballast/Driver: -

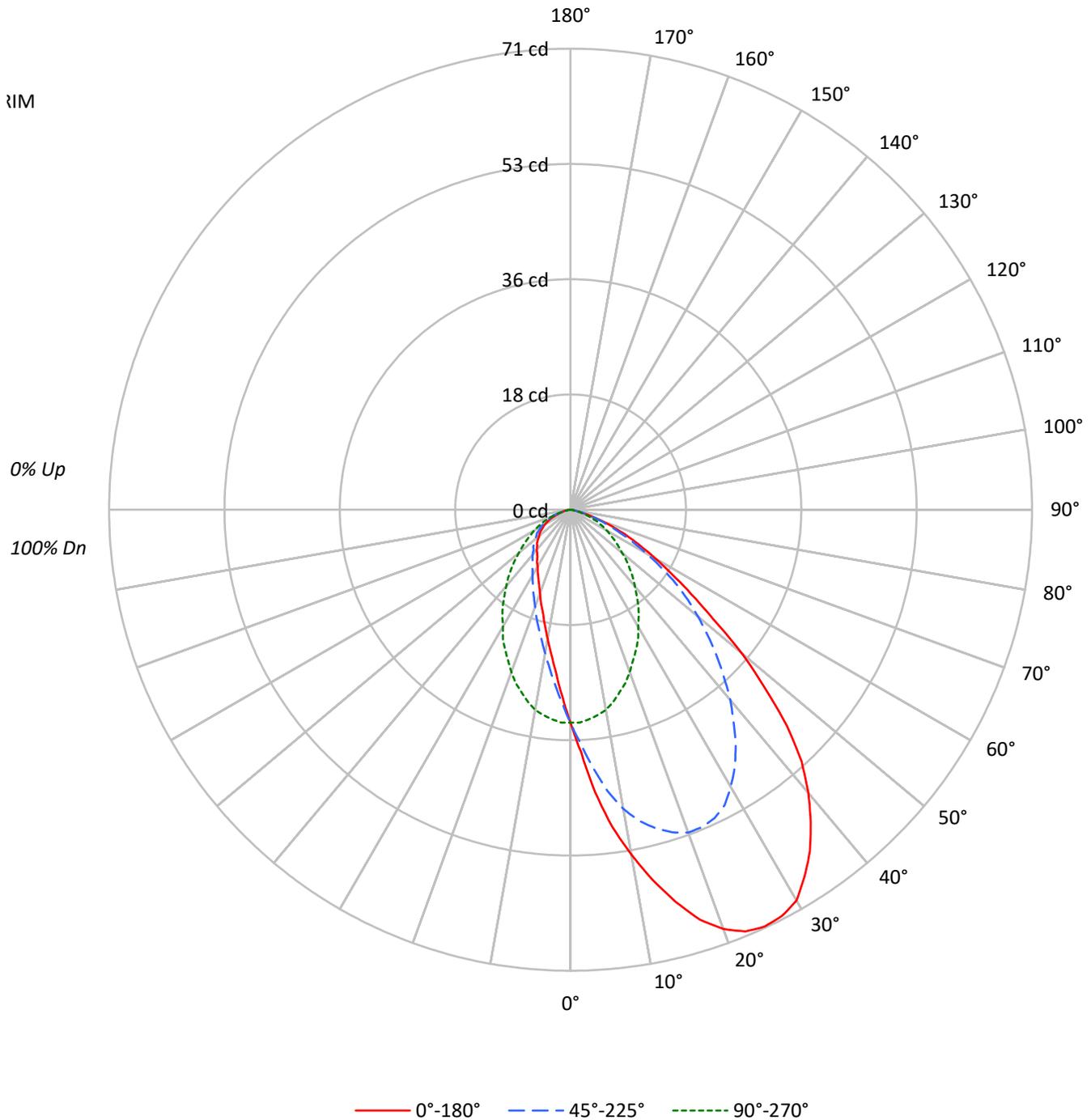
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 80.0 lumens  
Efficiency: N/A  
Efficacy: 22.2 lumens/watt  
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33  
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

TEST NUMBER: P1317131  
CATALOG NUMBER: LDSQA3D02R709827DE010 3LSQCLSWWR 1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1317131

CATALOG NUMBER: LDSQA3D02R709827DE010 3LSQCLSWWR 1MW

**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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	105	101	99	100	98	95	97	94	93	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58		
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51		
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45		
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30		

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

	0°	45°	90°	135°	180°
0°	5649	5649	5649	5649	5649
5°	7555	6898	5601	4685	4374
10°	9426	8184	5474	3935	3533
15°	11144	9058	5188	3370	2924
20°	12591	9695	4875	2914	2511
25°	13454	9957	4523	2584	2223
30°	13821	9804	4136	2327	2009
35°	13498	9314	3826	2166	1871
40°	12792	8588	3462	2046	1821
45°	11472	7745	3142	1973	1778
50°	9217	6859	2786	1902	1688
55°	6816	5915	2492	1892	1651
60°	5236	4616	2239	1826	1584
65°	3994	3423	1956	1671	1426
70°	2669	2417	1511	1511	1158
75°	1464	1464	998	998	865
80°	298	694	496	694	793
85°	0	395	395	593	593

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11472 cd/sqm



TEST NUMBER: P1317131

CATALOG NUMBER: LDSQA3D02R709827DE010 3LSQCLSWWR 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.2	4.0
10°-20°	9.8	12.3
20°-30°	15.1	18.9
30°-40°	17.2	21.5
40°-50°	15.5	19.4
50°-60°	10.9	13.6
60°-70°	6.0	7.5
70°-80°	2.0	2.5
80°-90°	0.3	0.3
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°	28.2	35.2
0°-40°	45.4	56.7
0°-60°	71.8	89.7
0°-90°	80.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	80.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	33	33	33	33	33	
5°	44	40	32	27	25	4
15°	62	51	29	19	16	18
25°	71	52	24	14	12	32
35°	64	44	18	10	9	40
45°	47	32	13	8	7	36
55°	23	20	8	6	6	21
65°	10	8	5	4	4	10
75°	2	2	2	2	1	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1317131

CATALOG NUMBER: LDSQA3D02R709827DE010 3LSQCLSWWR 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
2.5°	37.4	37.7	37.9	37.6	37.4	37.2	36.9	36.7	36.4	36.1	35.9
5°	43.7	43.7	43.7	43.3	42.8	42.5	41.9	41.4	40.5	39.9	39.2
7.5°	49.3	49.3	49.1	48.6	48.3	47.5	46.6	46.0	44.7	43.7	42.3
10°	53.9	53.9	53.8	52.9	52.4	51.4	50.6	49.5	48.1	46.8	45.3
12.5°	58.4	58.4	57.7	57.1	56.1	54.8	53.6	52.4	50.6	49.1	47.3
15°	62.5	62.5	62.2	61.0	59.7	58.2	56.6	54.9	52.8	50.8	48.8
17.5°	66.2	66.0	65.5	64.2	62.9	61.0	59.1	57.1	54.4	52.1	49.6
20°	68.7	68.7	68.0	66.5	65.0	63.0	60.9	58.6	55.7	52.9	50.0
22.5°	70.3	70.1	69.5	68.0	66.2	64.2	61.7	59.2	56.1	52.9	49.8
25°	70.8	70.6	70.0	68.3	66.5	64.4	61.7	59.1	55.7	52.4	49.0
27.5°	70.5	70.3	69.6	67.8	66.0	63.5	60.9	58.1	54.8	51.3	47.8
30°	69.5	69.0	68.3	66.7	64.7	62.2	59.4	56.2	52.9	49.3	45.8
32.5°	67.0	67.0	66.2	64.5	62.5	59.9	57.1	54.1	50.5	47.0	43.3
35°	64.2	64.0	63.4	61.5	59.7	57.2	54.4	51.3	47.8	44.3	40.9
37.5°	60.7	60.5	59.9	58.2	56.2	53.9	51.0	48.0	44.7	41.2	38.0
40°	56.9	56.6	55.7	54.4	52.8	50.1	47.5	44.5	41.4	38.2	35.1
42.5°	52.6	52.3	51.6	50.6	48.6	46.3	43.8	41.0	38.0	34.9	32.6
45°	47.1	47.1	46.8	45.8	44.3	42.5	39.9	37.4	34.6	31.8	29.3
47.5°	40.4	40.7	40.5	40.0	39.4	37.7	35.9	33.7	31.1	28.6	26.3
50°	34.4	34.6	34.7	34.4	33.9	32.8	31.6	30.3	28.0	25.6	23.5
52.5°	27.6	28.1	28.1	28.3	28.3	28.0	27.6	26.1	25.0	22.7	20.7
55°	22.7	22.7	22.7	23.0	23.2	23.3	23.0	22.7	21.3	19.7	17.9
57.5°	18.5	18.5	18.9	18.7	18.7	19.0	19.0	18.9	18.0	16.5	14.9
60°	15.2	15.2	15.2	15.2	15.4	15.4	15.4	15.4	14.7	13.4	12.1
62.5°	12.2	12.2	12.2	12.4	12.4	12.4	12.6	12.4	11.7	10.8	9.6
65°	9.8	9.6	9.8	9.8	9.9	9.9	9.9	9.8	9.1	8.4	7.6
67.5°	7.3	7.4	7.4	7.4	7.6	7.8	7.6	7.4	6.9	6.3	6.0
70°	5.3	5.5	5.5	5.5	5.6	5.8	5.6	5.5	5.1	4.8	4.5
72.5°	3.5	3.6	3.6	3.8	4.0	4.0	3.8	3.8	3.6	3.3	3.1
75°	2.2	2.2	2.3	2.3	2.5	2.5	2.5	2.3	2.3	2.2	2.2
77.5°	1.0	1.0	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.2
80°	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.7	0.7	0.7
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1317131

CATALOG NUMBER: LDSQA3D02R709827DE010 3LSQCLSWWR 1MW

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
2.5°	35.6	35.1	34.4	32.8	31.1	29.8	28.9	28.8
5°	38.4	37.6	36.1	32.4	29.4	27.1	25.8	25.3
7.5°	41.2	39.7	37.6	31.9	27.5	24.6	23.2	22.5
10°	43.5	41.7	38.9	31.3	25.8	22.5	20.7	20.2
12.5°	45.3	43.2	39.7	30.3	24.2	20.5	18.7	18.2
15°	46.5	44.2	40.2	29.1	22.5	18.9	17.0	16.4
17.5°	47.0	44.2	40.0	28.0	21.0	17.4	15.5	15.1
20°	47.0	43.8	39.5	26.6	19.5	15.9	14.2	13.7
22.5°	46.5	43.2	38.4	25.1	18.2	14.7	13.1	12.6
25°	45.5	41.9	37.1	23.8	16.9	13.6	12.1	11.7
27.5°	44.0	40.4	35.4	22.5	15.7	12.6	11.2	10.9
30°	42.2	38.5	33.6	20.8	14.6	11.7	10.6	10.1
32.5°	39.9	36.4	31.6	19.5	13.6	10.9	9.9	9.6
35°	37.4	34.2	29.4	18.2	12.6	10.3	9.3	8.9
37.5°	34.9	31.6	27.6	16.7	11.7	9.6	8.8	8.4
40°	32.3	29.8	25.6	15.4	11.1	9.1	8.3	8.1
42.5°	29.6	27.0	22.8	14.2	10.3	8.4	7.8	7.6
45°	26.5	24.0	20.7	12.9	9.6	8.1	7.4	7.3
47.5°	23.8	21.5	18.5	11.7	8.9	7.6	6.9	6.8
50°	21.3	19.0	16.2	10.4	8.3	7.1	6.6	6.3
52.5°	18.5	16.5	14.1	9.3	7.6	6.6	6.1	6.0
55°	16.0	14.1	11.7	8.3	6.9	6.3	5.6	5.5
57.5°	13.2	11.6	9.9	7.3	6.3	5.6	5.3	5.0
60°	10.8	9.6	8.4	6.5	5.6	5.3	4.8	4.6
62.5°	8.8	7.9	7.1	5.6	5.0	4.6	4.3	4.0
65°	6.9	6.5	5.8	4.8	4.3	4.1	3.8	3.5
67.5°	5.5	5.1	4.6	3.8	3.6	3.5	3.1	2.8
70°	4.1	4.0	3.6	3.0	2.8	3.0	2.6	2.3
72.5°	3.0	2.8	2.6	2.2	2.2	2.2	2.0	1.7
75°	2.0	1.8	1.7	1.5	1.5	1.5	1.5	1.3
77.5°	1.2	1.2	1.0	0.8	1.0	1.0	1.2	1.2
80°	0.5	0.5	0.5	0.5	0.7	0.7	0.8	0.8
82.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)