

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: P1308796

Luminaire Tested: LDSQA3D02R459030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308796  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R459030DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

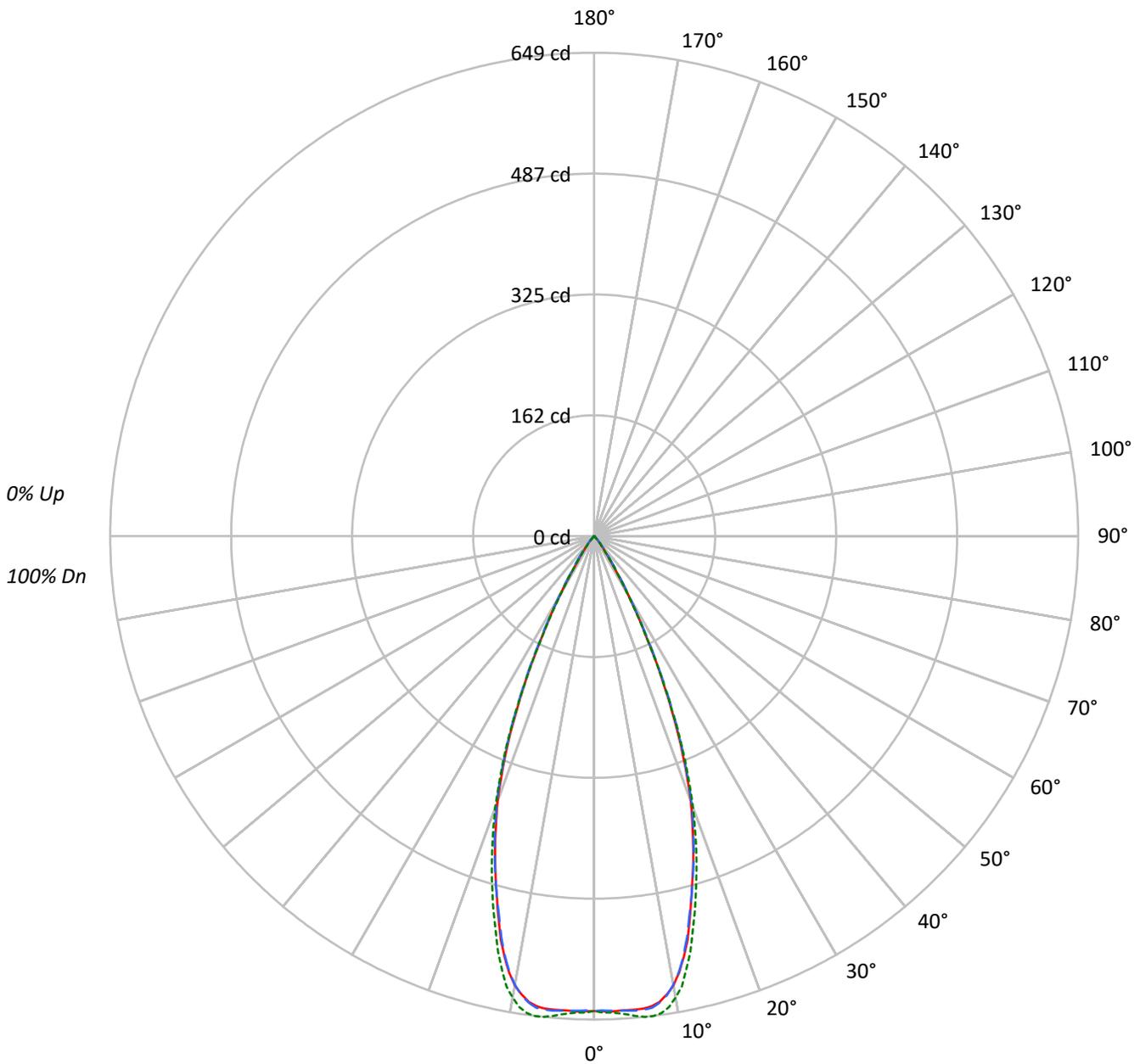
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 329.9 lumens  
Efficiency: N/A  
Efficacy: 91.6 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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 (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

TEST NUMBER: P1308796  
CATALOG NUMBER: LDSQA3D02R459030DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1308796

CATALOG NUMBER: LDSQA3D02R459030DE010 3LSQCDR1MW

**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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	109809	109809	109809
5°	110350	110574	111819
10°	107079	106991	109964
15°	89737	89702	93000
20°	69370	70085	71074
25°	42528	43402	42623
30°	18236	19051	17659
35°	5719	6896	5571
40°	1978	2518	1911
45°	365	1072	292
50°	188	402	188
55°	210	210	210
60°	172	172	172
65°	204	204	204
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1072 cd/sqm



TEST NUMBER: P1308796

CATALOG NUMBER: LDSQA3D02R459030DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.6	18.4
10°-20°	140.0	42.4
20°-30°	102.5	31.1
30°-40°	22.6	6.9
40°-50°	2.8	0.8
50°-60°	0.6	0.2
60°-70°	0.5	0.1
70°-80°	0.2	0.1
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°	303.2	91.9
0°-40°	325.8	98.7
0°-60°	329.2	99.8
0°-90°	329.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	329.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	638	638	638	638	638	
5°	638	638	640	644	647	60
15°	503	501	503	515	522	139
25°	224	224	228	227	224	101
35°	27	29	33	29	26	21
45°	2	2	4	2	1	2
55°	1	1	1	1	1	1
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



TEST NUMBER: P1308796  
 CATALOG NUMBER: LDSQA3D02R459030DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	637.6	637.6	637.6	637.6	637.6
1°	638.1	637.1	636.9	638.6	639.8
2°	638.6	637.4	637.6	639.3	640.0
3°	638.1	636.9	638.1	640.5	641.5
4°	637.8	637.4	638.6	642.0	643.7
5°	638.3	637.8	639.6	644.2	646.8
6°	637.6	636.9	639.3	645.1	649.0
7°	635.9	635.2	637.8	644.9	649.3
8°	631.3	629.8	632.5	641.3	646.6
9°	623.0	621.1	623.7	634.0	640.3
10°	612.3	610.1	611.8	621.8	628.8
11°	597.0	594.1	596.0	606.7	616.0
12°	577.5	573.4	575.8	588.0	594.5
13°	556.4	552.5	552.9	563.9	573.1
14°	530.1	525.0	527.2	538.6	545.9
15°	503.3	500.6	503.1	515.2	521.6
17.5°	442.0	441.8	444.0	453.0	456.4
20°	378.5	379.3	382.4	387.3	387.8
22.5°	303.4	303.6	307.0	310.4	309.7
25°	223.8	223.6	228.4	226.7	224.3
27.5°	148.4	149.4	153.7	150.6	148.2
30°	91.7	93.7	95.8	92.0	88.8
32.5°	49.6	52.8	56.0	52.5	49.4
35°	27.2	28.7	32.8	28.7	26.5
37.5°	15.8	16.5	19.2	16.5	15.1
40°	8.8	10.0	11.2	10.0	8.5
42.5°	3.6	5.6	6.8	5.6	3.6
45°	1.5	2.4	4.4	2.4	1.2
47.5°	0.7	1.0	2.7	1.0	0.7
50°	0.7	0.7	1.5	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.5	0.5	0.5	0.7	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.2	0.2	0.2	0.5	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
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



TEST NUMBER: P1308796  
CATALOG NUMBER: LDSQA3D02R459030DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)