

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: P1316994

Luminaire Tested: LDSQA3D02R159827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316994  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R159827DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

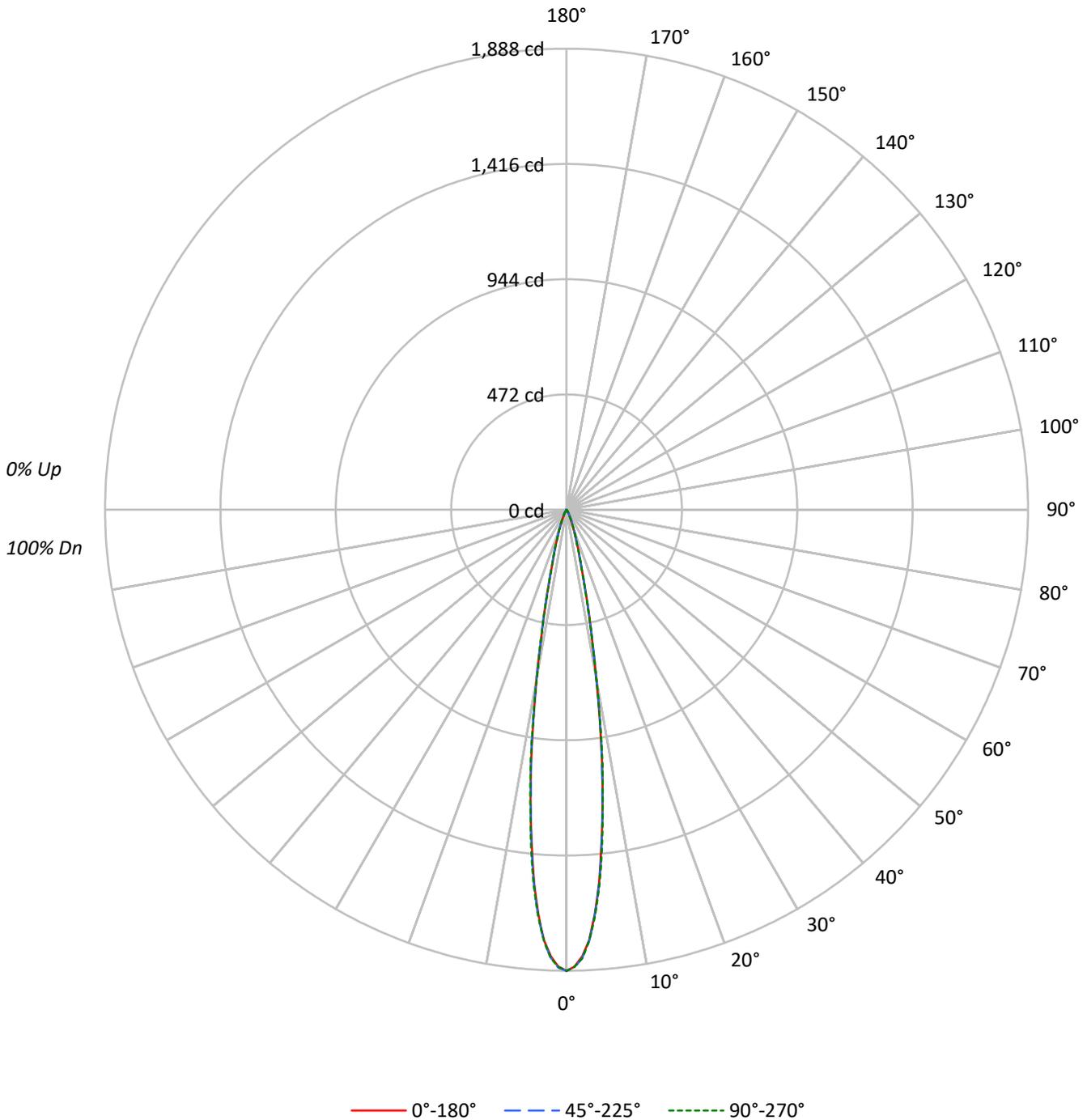
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 212.0 lumens  
Efficiency: N/A  
Efficacy: 58.9 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
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

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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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

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

	0°	45°	90°
0°	325225	325225	325225
5°	264455	265389	266305
10°	123168	123273	122608
15°	38102	39475	38726
20°	15194	16055	15010
25°	6366	7506	6043
30°	2585	3440	2386
35°	841	1577	778
40°	292	629	292
45°	122	195	122
50°	80	134	80
55°	90	90	90
60°	103	103	103
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 195 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.2	55.8
10°-20°	70.7	33.3
20°-30°	18.0	8.5
30°-40°	3.9	1.8
40°-50°	0.6	0.3
50°-60°	0.3	0.1
60°-70°	0.2	0.1
70°-80°	0.1	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°	206.9	97.6
0°-40°	210.8	99.4
0°-60°	211.7	99.8
0°-90°	212.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	212.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1888	1888	1888	1888	1888	
5°	1530	1532	1535	1528	1540	118
15°	214	220	221	218	217	70
25°	34	36	40	35	32	17
35°	4	5	8	5	4	3
45°	0	1	1	1	0	0
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°	1888.4	1888.4	1888.4	1888.4	1888.4
1°	1872.0	1875.1	1875.6	1875.1	1872.5
2°	1829.9	1839.2	1837.2	1833.2	1838.8
3°	1764.8	1769.4	1768.8	1769.1	1767.8
4°	1658.9	1667.1	1662.4	1665.9	1666.2
5°	1529.7	1531.9	1535.1	1528.1	1540.4
6°	1370.8	1384.6	1372.4	1384.4	1389.2
7°	1209.1	1217.1	1201.6	1210.0	1215.0
8°	1043.8	1029.9	1038.4	1038.5	1055.0
9°	865.4	868.2	875.4	867.2	874.4
10°	704.3	710.8	704.9	702.1	701.1
11°	556.1	563.5	563.0	563.8	558.3
12°	447.4	443.6	446.1	437.9	441.6
13°	348.2	348.4	346.4	343.1	340.1
14°	272.8	271.2	275.8	271.7	267.8
15°	213.7	219.7	221.4	218.2	217.2
17.5°	131.8	132.0	134.3	131.3	131.0
20°	82.9	84.9	87.6	84.4	81.9
22.5°	52.4	54.3	58.4	54.4	50.9
25°	33.5	35.8	39.5	35.0	31.8
27.5°	21.0	23.1	26.6	22.5	20.1
30°	13.0	14.5	17.3	14.1	12.0
32.5°	7.5	9.0	11.3	8.5	7.2
35°	4.0	5.2	7.5	5.0	3.7
37.5°	2.3	3.0	4.8	2.7	2.2
40°	1.3	1.8	2.8	1.7	1.3
42.5°	0.8	1.2	1.3	1.0	0.7
45°	0.5	0.7	0.8	0.7	0.5
47.5°	0.3	0.5	0.7	0.3	0.3
50°	0.3	0.3	0.5	0.3	0.3
52.5°	0.3	0.3	0.3	0.3	0.3
55°	0.3	0.3	0.3	0.3	0.3
57.5°	0.3	0.3	0.3	0.3	0.3
60°	0.3	0.3	0.3	0.3	0.3
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	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°	0.0	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)