

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: P1307912

Luminaire Tested: LDSQA3D09R159027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307912  
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: LDSQA3D09R159027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

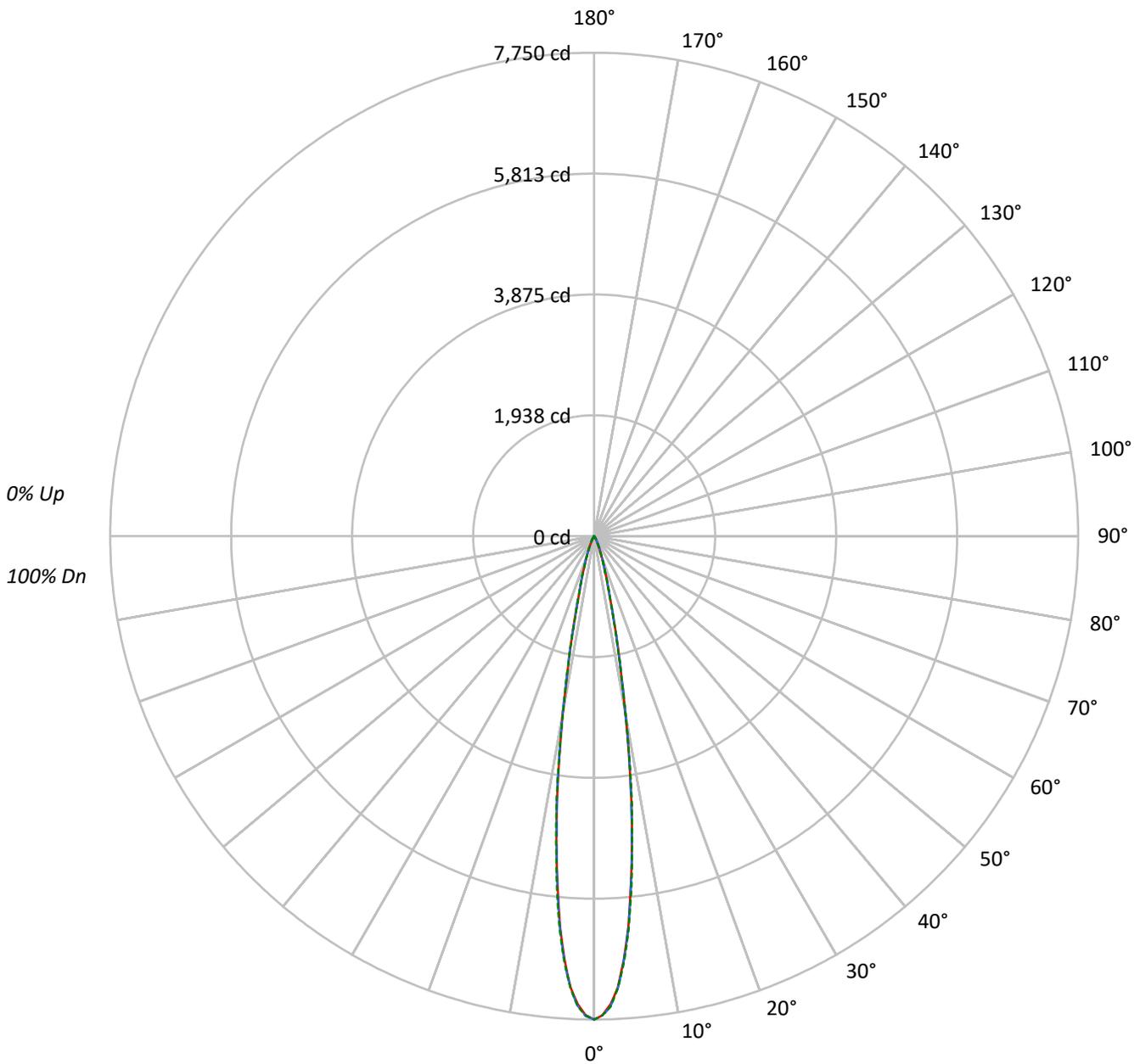
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 870.1 lumens  
Efficiency: N/A  
Efficacy: 78.4 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): 11.1  
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



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



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**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	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	98	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°	1334674	1334674	1334674
5°	1085292	1089061	1092847
10°	505437	505909	503163
15°	156385	161984	158935
20°	62350	65851	61599
25°	26091	30765	24798
30°	10600	14119	9784
35°	3448	6455	3154
40°	1237	2608	1237
45°	487	828	487
50°	375	536	375
55°	420	420	420
60°	482	482	482
65°	285	285	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 828 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	485.1	55.8
10°-20°	290.0	33.3
20°-30°	73.8	8.5
30°-40°	16.0	1.8
40°-50°	2.6	0.3
50°-60°	1.3	0.1
60°-70°	0.8	0.1
70°-80°	0.5	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°	848.9	97.6
0°-40°	865.0	99.4
0°-60°	868.8	99.9
0°-90°	870.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7750	7750	7750	7750	7750	
5°	6278	6286	6300	6271	6321	484
15°	877	902	908	896	891	289
25°	137	147	162	144	130	70
35°	16	21	31	20	15	13
45°	2	3	3	3	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	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°	7749.7	7749.7	7749.7	7749.7	7749.7
1°	7682.1	7695.1	7697.1	7695.1	7684.2
2°	7509.3	7547.5	7539.3	7523.0	7546.2
3°	7242.2	7261.3	7258.6	7260.0	7254.5
4°	6807.8	6841.2	6822.1	6836.4	6837.8
5°	6277.7	6286.5	6299.5	6270.8	6321.4
6°	5625.3	5682.0	5632.1	5681.3	5701.1
7°	4962.0	4994.8	4931.3	4965.4	4985.9
8°	4283.7	4226.3	4261.2	4261.8	4329.5
9°	3551.4	3563.0	3592.4	3558.9	3588.3
10°	2890.2	2916.8	2892.9	2881.3	2877.2
11°	2282.2	2312.3	2310.2	2313.7	2291.1
12°	1836.2	1820.5	1830.7	1797.2	1812.3
13°	1429.0	1429.7	1421.5	1407.9	1395.6
14°	1119.6	1112.8	1131.9	1114.8	1099.1
15°	877.1	901.7	908.5	895.5	891.4
17.5°	541.0	541.7	551.3	539.0	537.6
20°	340.2	348.4	359.3	346.3	336.1
22.5°	215.2	222.7	239.8	223.4	209.0
25°	137.3	146.9	161.9	143.5	130.5
27.5°	86.1	95.0	109.3	92.2	82.7
30°	53.3	59.4	71.0	58.1	49.2
32.5°	30.7	36.9	46.5	34.8	29.4
35°	16.4	21.2	30.7	20.5	15.0
37.5°	9.6	12.3	19.8	10.9	8.9
40°	5.5	7.5	11.6	6.8	5.5
42.5°	3.4	4.8	5.5	4.1	2.7
45°	2.0	2.7	3.4	2.7	2.0
47.5°	1.4	2.0	2.7	1.4	1.4
50°	1.4	1.4	2.0	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
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)