

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: P1315419

Luminaire Tested: LDSQA3D09R209735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315419  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R209735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

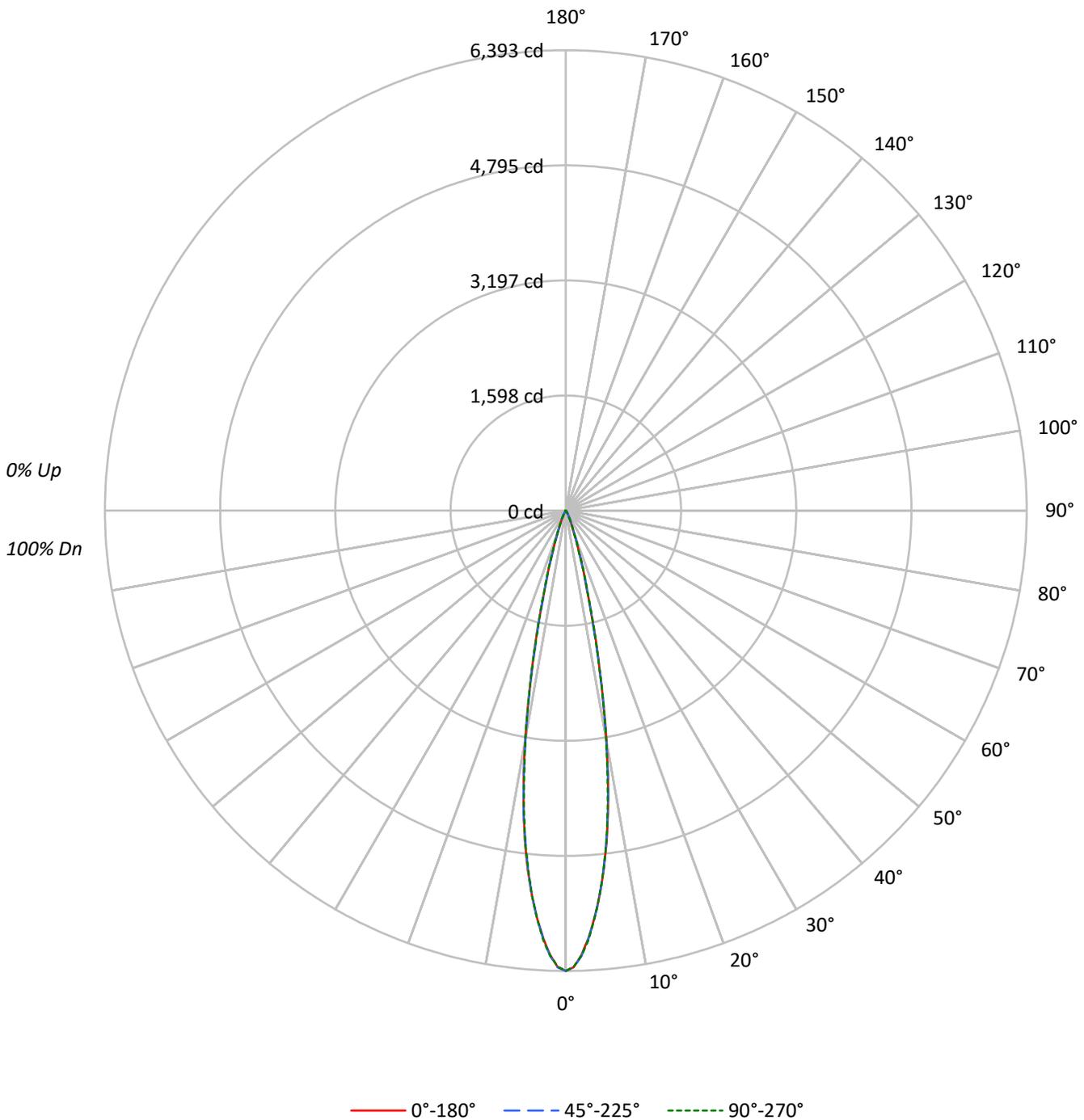
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 881.1 lumens  
Efficiency: N/A  
Efficacy: 79.4 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
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

TEST NUMBER: P1315419  
CATALOG NUMBER: LDSQA3D09R209735DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	98
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82

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

	0°	45°	90°
0°	1101037	1101037	1101037
5°	928005	928351	927884
10°	565508	562884	564196
15°	199195	200050	206237
20°	62589	64330	62955
25°	23449	25654	24095
30°	9088	12886	9486
35°	3448	5740	3721
40°	1844	2451	1844
45°	658	1169	828
50°	375	536	375
55°	420	420	420
60°	241	241	241
65°	285	285	285
70°	352	352	352
75°	0	0	466
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1169 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	443.8	50.4
10°-20°	348.0	39.5
20°-30°	68.3	7.8
30°-40°	15.3	1.7
40°-50°	3.5	0.4
50°-60°	1.1	0.1
60°-70°	0.7	0.1
70°-80°	0.3	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°	860.1	97.6
0°-40°	875.4	99.4
0°-60°	880.1	99.9
0°-90°	881.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	881.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6393	6393	6393	6393	6393	
5°	5368	5373	5370	5388	5367	445
15°	1117	1122	1122	1146	1157	347
25°	123	132	135	133	127	65
35°	16	20	27	20	18	12
45°	3	4	5	4	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6393.1	6393.1	6393.1	6393.1	6393.1
1°	6341.2	6327.6	6343.3	6331.0	6333.7
2°	6177.0	6169.5	6189.9	6177.0	6183.8
3°	5948.6	5939.1	5954.1	5954.8	5973.8
4°	5676.0	5657.6	5680.1	5680.7	5684.2
5°	5367.9	5372.6	5369.9	5388.3	5367.2
6°	5021.6	5037.3	5016.8	5027.1	4997.7
7°	4634.4	4614.7	4604.4	4607.8	4628.3
8°	4207.0	4193.4	4208.4	4187.3	4173.0
9°	3731.9	3708.1	3724.5	3704.0	3683.6
10°	3233.7	3222.8	3218.7	3195.5	3226.2
11°	2734.0	2701.3	2717.7	2706.1	2739.5
12°	2266.4	2269.2	2237.1	2247.3	2251.4
13°	1844.5	1800.9	1806.3	1834.3	1839.1
14°	1430.8	1436.9	1438.9	1458.7	1470.3
15°	1117.2	1122.0	1122.0	1146.5	1156.7
17.5°	599.2	599.2	612.1	614.8	616.2
20°	341.5	343.5	351.0	350.4	343.5
22.5°	204.5	208.6	212.7	208.6	204.5
25°	123.4	131.6	135.0	132.9	126.8
27.5°	73.6	82.5	92.0	84.5	72.9
30°	45.7	50.4	64.8	51.8	47.7
32.5°	25.2	32.7	44.3	34.1	25.9
35°	16.4	19.8	27.3	19.8	17.7
37.5°	11.6	13.6	17.0	14.3	12.3
40°	8.2	9.5	10.9	10.2	8.2
42.5°	5.5	6.8	7.5	6.8	5.5
45°	2.7	4.1	4.8	4.1	3.4
47.5°	1.4	2.0	3.4	2.0	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	0.7	1.4	0.7
60°	0.7	0.7	0.7	0.7	0.7
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°	0.0	0.0	0.0	0.0	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)