

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: P1312684

Luminaire Tested: LDSQA3D17R209050DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312684  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R209050DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

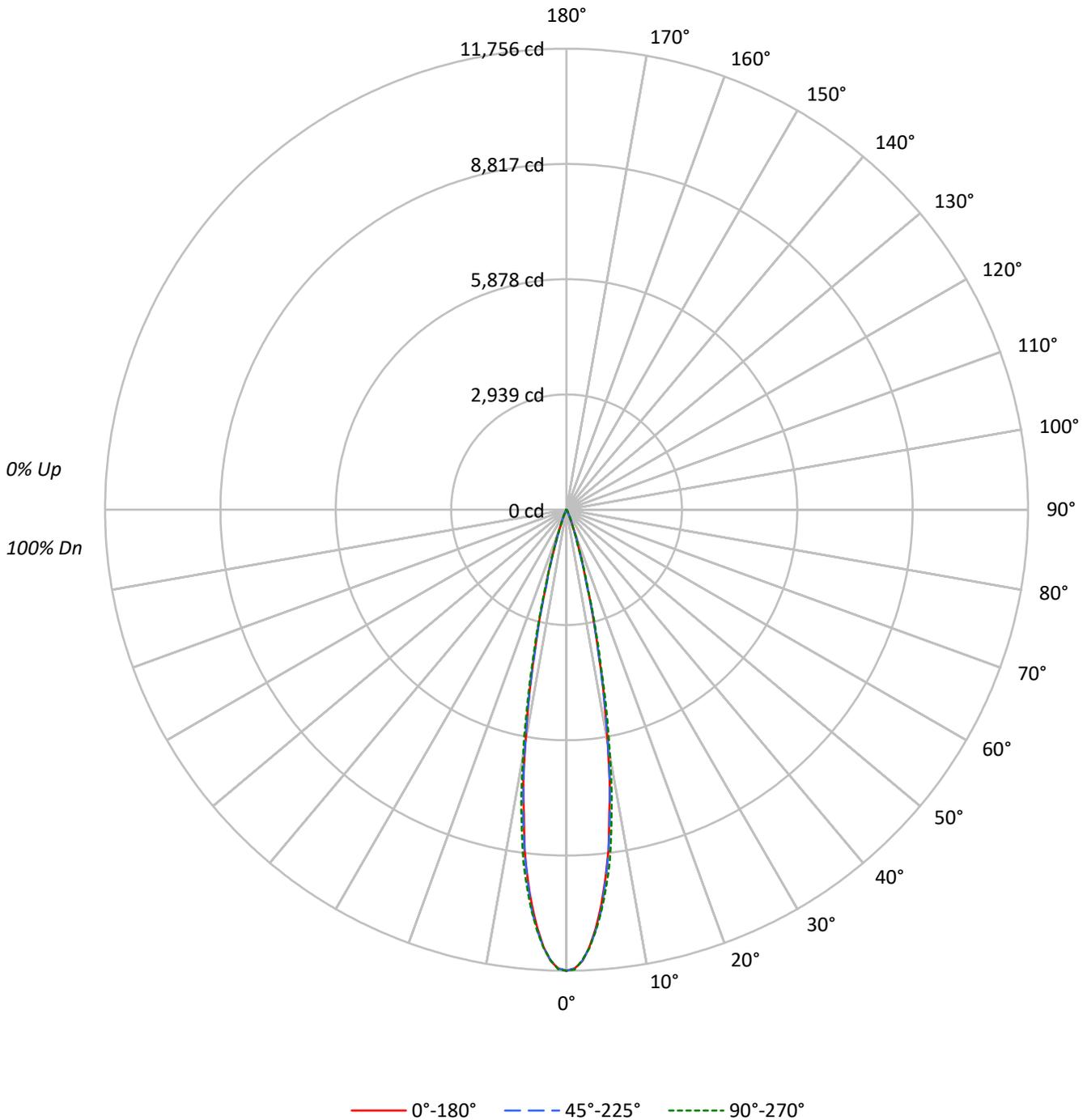
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1579.0 lumens  
Efficiency: N/A  
Efficacy: 74.5 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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	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	102	102	102	102	102	102	102	102	102	100																
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	100	100	100	100	100	100	100	100	100	98																
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	97	97	97	97	97	97	97	97	97	97	96																
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	95	95	95	95	95	95	95	95	95	95	94																
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	94	93	93	93	93	93	93	93	93	93	93	93	93	93	92																
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	92	92	92	92	92	92	92	92	92	92	91																
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	90	90	90	90	90	90	90	90	90	90	89																
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	89	89	89	89	89	89	89	89	89	89	89	89	89	87																
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	89	87	87	87	87	87	87	87	87	87	87	87	87	87	86																
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	86	86	86	86	86	86	86	86	86	86	86	86	86	85																
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	84	84	84	84	84	84	84	84	84	84	83																

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

	0°	45°	90°
0°	2024667	2024667	2024667
5°	1749084	1765369	1771939
10°	1052914	1062760	1115661
15°	364191	355669	384000
20°	95651	89988	90245
25°	20846	25122	28599
30°	8949	8949	9227
35°	5025	4436	4731
40°	2203	2540	2855
45°	682	1023	1023
50°	375	375	375
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 1023 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	840.8	53.3
10°-20°	640.2	40.5
20°-30°	79.2	5.0
30°-40°	15.0	0.9
40°-50°	3.6	0.2
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1560.2	98.8
0°-40°	1575.2	99.8
0°-60°	1579.0	100.0
0°-90°	1579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1579.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11756	11756	11756	11756	11756	
5°	10117	10110	10212	10204	10250	834
15°	2043	1969	1995	2114	2154	640
25°	110	125	132	138	150	76
35°	24	24	21	22	22	15
45°	3	4	4	4	4	3
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°	11756.1	11756.1	11756.1	11756.1	11756.1
1°	11701.3	11687.2	11698.4	11674.5	11723.8
2°	11514.2	11500.1	11500.1	11486.0	11493.1
3°	11165.3	11187.8	11173.7	11144.2	11182.2
4°	10689.8	10715.1	10737.6	10739.0	10744.7
5°	10117.3	10110.2	10211.5	10204.5	10249.5
6°	9464.5	9456.1	9499.7	9572.9	9662.9
7°	8747.1	8644.4	8761.2	8908.9	9029.9
8°	7818.7	7845.4	7925.6	8100.0	8197.1
9°	7030.9	6874.7	7044.9	7253.1	7358.7
10°	6020.8	5894.2	6077.1	6296.6	6379.6
12.5°	3789.8	3680.0	3739.1	3969.8	4006.4
15°	2042.6	1969.4	1994.8	2114.3	2153.7
17.5°	1042.4	976.3	962.2	1038.2	1046.6
20°	521.9	506.4	491.0	498.0	492.4
22.5°	242.0	263.1	260.2	246.2	263.1
25°	109.7	125.2	132.2	137.9	150.5
27.5°	67.5	64.7	74.6	80.2	81.6
30°	45.0	43.6	45.0	46.4	46.4
32.5°	32.4	30.9	29.5	29.5	30.9
35°	23.9	23.9	21.1	22.5	22.5
37.5°	16.9	16.9	15.5	16.9	16.9
40°	9.8	11.3	11.3	11.3	12.7
42.5°	5.6	7.0	7.0	7.0	7.0
45°	2.8	4.2	4.2	4.2	4.2
47.5°	1.4	1.4	1.4	2.8	2.8
50°	1.4	1.4	1.4	1.4	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)