

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: P1309371

Luminaire Tested: LDSQA3D17R209030DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309371  
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: LDSQA3D17R209030DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

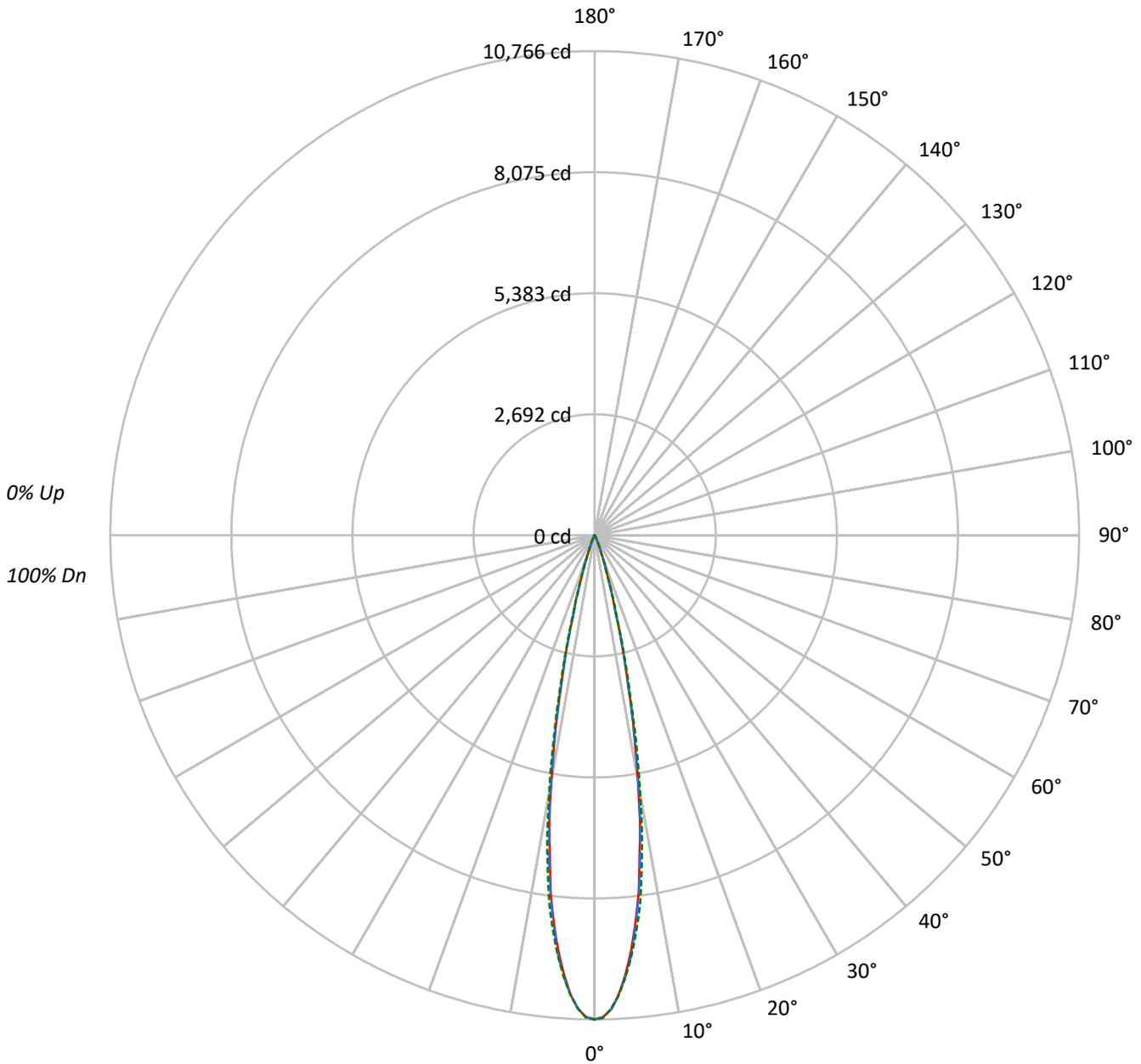
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1446.0 lumens  
Efficiency: N/A  
Efficacy: 68.2 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



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

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

	0°	45°	90°
0°	1854132	1854132	1854132
5°	1601755	1616675	1622691
10°	964233	973239	1021681
15°	333506	325697	351657
20°	87587	82401	82639
25°	19098	23012	26186
30°	8193	8193	8452
35°	4604	4058	4331
40°	2023	2316	2608
45°	633	950	950
50°	348	348	348
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: 950 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	770.0	53.3
10°-20°	586.3	40.5
20°-30°	72.5	5.0
30°-40°	13.7	0.9
40°-50°	3.3	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°	1428.8	98.8
0°-40°	1442.5	99.8
0°-60°	1446.0	100.0
0°-90°	1446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1446.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10766	10766	10766	10766	10766	
5°	9265	9259	9351	9345	9386	764
15°	1870	1804	1827	1936	1972	586
25°	100	115	121	126	138	69
35°	22	22	19	21	21	14
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°	10765.9	10765.9	10765.9	10765.9	10765.9
1°	10715.7	10702.8	10713.1	10691.2	10736.3
2°	10544.3	10531.4	10531.4	10518.6	10525.0
3°	10224.8	10245.4	10232.6	10205.5	10240.3
4°	9789.4	9812.6	9833.2	9834.5	9839.6
5°	9265.1	9258.6	9351.4	9345.0	9386.2
6°	8667.3	8659.6	8699.5	8766.5	8849.0
7°	8010.3	7916.3	8023.2	8158.5	8269.3
8°	7160.1	7184.6	7258.0	7417.7	7506.6
9°	6438.7	6295.7	6451.5	6642.2	6738.8
10°	5513.7	5397.8	5565.2	5766.2	5842.2
12.5°	3470.5	3370.1	3424.2	3635.4	3668.9
15°	1870.5	1803.5	1826.7	1936.2	1972.3
17.5°	954.6	894.0	881.2	950.7	958.5
20°	477.9	463.8	449.6	456.0	450.9
22.5°	221.6	240.9	238.3	225.4	240.9
25°	100.5	114.7	121.1	126.2	137.8
27.5°	61.8	59.3	68.3	73.4	74.7
30°	41.2	39.9	41.2	42.5	42.5
32.5°	29.6	28.3	27.1	27.1	28.3
35°	21.9	21.9	19.3	20.6	20.6
37.5°	15.5	15.5	14.2	15.5	15.5
40°	9.0	10.3	10.3	10.3	11.6
42.5°	5.2	6.4	6.4	6.4	6.4
45°	2.6	3.9	3.9	3.9	3.9
47.5°	1.3	1.3	1.3	2.6	2.6
50°	1.3	1.3	1.3	1.3	1.3
52.5°	1.3	0.0	0.0	0.0	1.3
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)