

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: P1308399

Luminaire Tested: LDSQA3D20R209027D010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308399  
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: LDSQA3D20R209027D010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

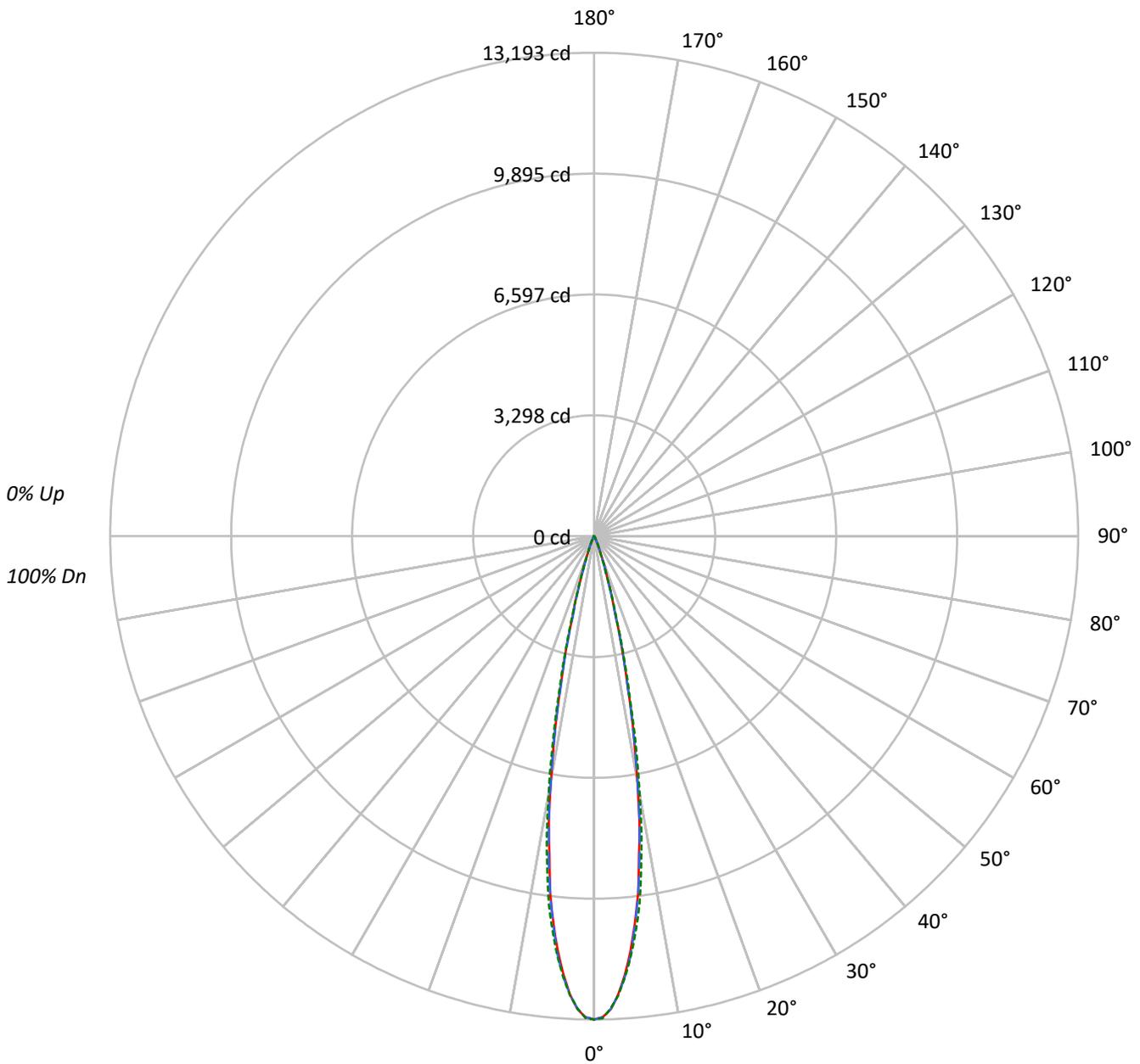
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1772.0 lumens  
Efficiency: N/A  
Efficacy: 61.5 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): 28.8  
Input Voltage (V): NR  
Input Current (Ain): 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: P1308399  
CATALOG NUMBER: LDSQA3D20R209027D010 3LSQPHR1MMS

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1308399

CATALOG NUMBER: LDSQA3D20R209027D010 3LSQPHR1MMS

**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°	2272151	2272151	2272151
5°	1962868	1981159	1988523
10°	1181625	1192660	1252014
15°	408695	399138	430946
20°	107344	100985	101260
25°	23392	28200	32096
30°	10043	10043	10361
35°	5635	4983	5319
40°	2496	2833	3192
45°	779	1145	1145
50°	429	429	429
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: 1145 cd/sqm



TEST NUMBER: P1308399

CATALOG NUMBER: LDSQA3D20R209027D010 3LSQPHR1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	943.6	53.3
10°-20°	718.4	40.5
20°-30°	88.8	5.0
30°-40°	16.8	0.9
40°-50°	4.0	0.2
50°-60°	0.3	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°	1750.9	98.8
0°-40°	1767.7	99.8
0°-60°	1772.0	100.0
0°-90°	1772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1772.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	13193	13193	13193	13193	13193	
5°	11354	11346	11460	11452	11502	936
15°	2292	2210	2239	2373	2417	718
25°	123	140	148	155	169	85
35°	27	27	24	25	25	17
45°	3	5	5	5	5	3
55°	0	0	0	0	0	1
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



TEST NUMBER: P1308399

CATALOG NUMBER: LDSQA3D20R209027D010 3LSQPHR1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	13193.1	13193.1	13193.1	13193.1	13193.1
1°	13131.5	13115.7	13128.3	13101.5	13156.7
2°	12921.5	12905.7	12905.7	12890.0	12897.8
3°	12530.0	12555.3	12539.5	12506.3	12549.0
4°	11996.4	12024.8	12050.1	12051.7	12058.0
5°	11353.9	11346.0	11459.7	11451.8	11502.3
6°	10621.4	10611.9	10660.9	10742.9	10844.0
7°	9816.3	9701.0	9832.0	9997.8	10133.6
8°	8774.3	8804.3	8894.3	9090.1	9199.0
9°	7890.3	7715.0	7906.0	8139.7	8258.1
10°	6756.8	6614.7	6819.9	7066.2	7159.3
12.5°	4253.0	4129.8	4196.1	4455.0	4496.1
15°	2292.2	2210.2	2238.6	2372.8	2417.0
17.5°	1169.8	1095.6	1079.8	1165.1	1174.5
20°	585.7	568.3	551.0	558.9	552.5
22.5°	271.5	295.2	292.1	276.3	295.2
25°	123.1	140.5	148.4	154.7	168.9
27.5°	75.8	72.6	83.7	90.0	91.6
30°	50.5	48.9	50.5	52.1	52.1
32.5°	36.3	34.7	33.2	33.2	34.7
35°	26.8	26.8	23.7	25.3	25.3
37.5°	18.9	18.9	17.4	18.9	18.9
40°	11.1	12.6	12.6	12.6	14.2
42.5°	6.3	7.9	7.9	7.9	7.9
45°	3.2	4.7	4.7	4.7	4.7
47.5°	1.6	1.6	1.6	3.2	3.2
50°	1.6	1.6	1.6	1.6	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
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)