

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: P1323435

Luminaire Tested: LDSQA3D02R209030D2WDE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

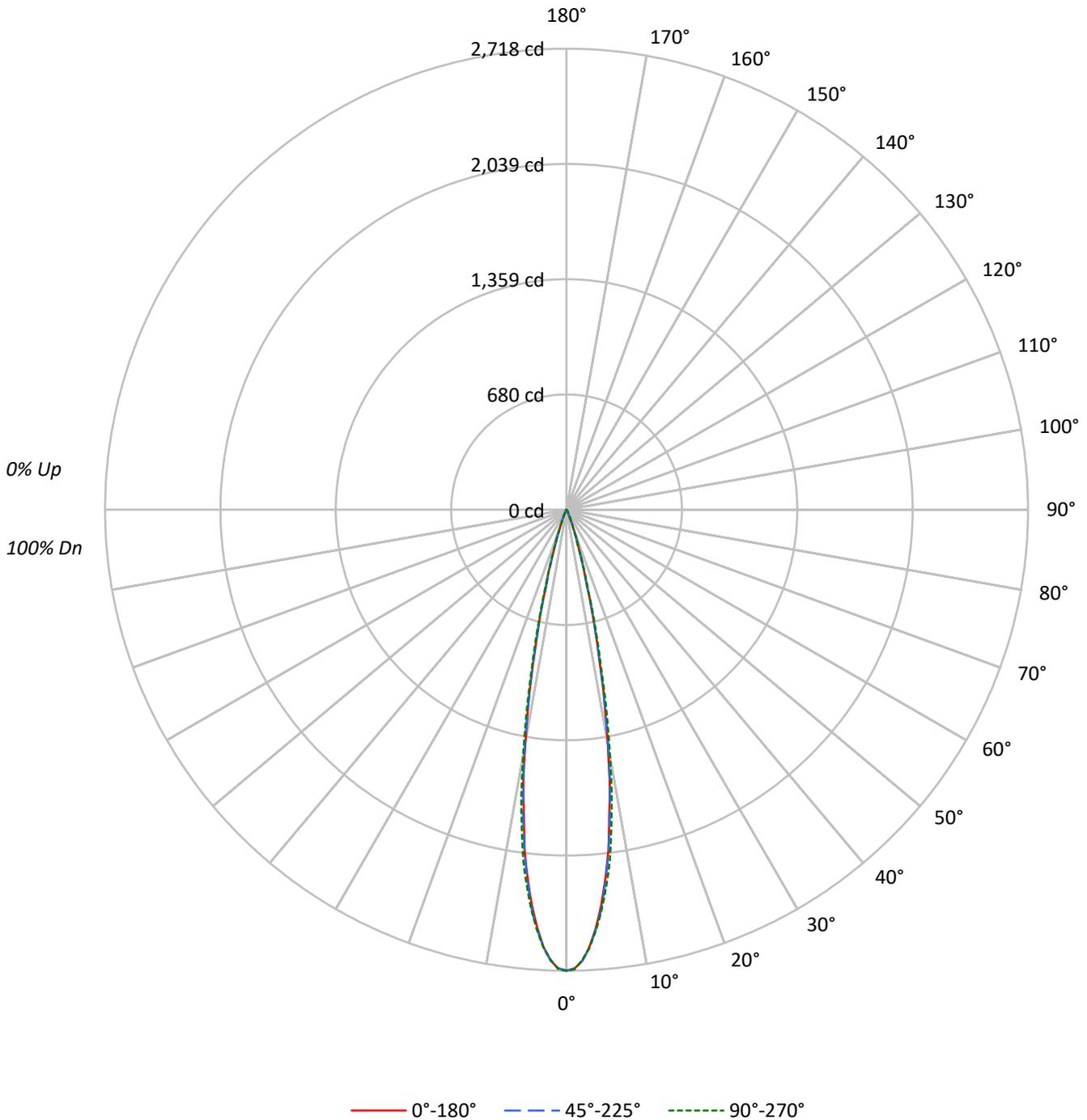
Test Method: LM-79-2019  
Report Number: P1323435  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R209030D2WDE010 3LSQPHR1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 365.0 lumens  
Efficiency: N/A  
Efficacy: 50.7 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): 7.2  
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

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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	95	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°	468015	468015	468015
5°	404316	408084	409606
10°	243397	245671	257895
15°	84192	82213	88775
20°	22103	20802	20857
25°	4827	5815	6613
30°	2068	2068	2128
35°	1156	1030	1093
40°	517	585	652
45°	170	244	244
50°	80	80	80
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: 244 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.4	53.3
10°-20°	148.0	40.5
20°-30°	18.3	5.0
30°-40°	3.5	0.9
40°-50°	0.8	0.2
50°-60°	0.0	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°	360.7	98.8
0°-40°	364.1	99.8
0°-60°	365.0	100.0
0°-90°	365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	365.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2718	2718	2718	2718	2718	
5°	2339	2337	2360	2359	2369	193
15°	472	455	461	489	498	148
25°	25	29	31	32	35	17
35°	6	6	5	5	5	4
45°	1	1	1	1	1	1
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°	2717.5	2717.5	2717.5	2717.5	2717.5
1°	2704.8	2701.6	2704.2	2698.7	2710.1
2°	2661.6	2658.3	2658.3	2655.1	2656.7
3°	2581.0	2586.2	2582.9	2576.1	2584.9
4°	2471.0	2476.9	2482.1	2482.4	2483.7
5°	2338.7	2337.1	2360.5	2358.9	2369.3
6°	2187.8	2185.9	2195.9	2212.9	2233.7
7°	2022.0	1998.2	2025.2	2059.4	2087.3
8°	1807.4	1813.5	1832.1	1872.4	1894.8
9°	1625.3	1589.2	1628.5	1676.6	1701.0
10°	1391.8	1362.5	1404.8	1455.5	1474.7
12.5°	876.0	850.7	864.3	917.7	926.1
15°	472.2	455.3	461.1	488.7	497.9
17.5°	241.0	225.7	222.4	240.0	241.9
20°	120.6	117.1	113.5	115.1	113.8
22.5°	55.9	60.8	60.2	56.9	60.8
25°	25.4	28.9	30.6	31.9	34.8
27.5°	15.6	15.0	17.2	18.5	18.9
30°	10.4	10.1	10.4	10.7	10.7
32.5°	7.5	7.2	6.8	6.8	7.2
35°	5.5	5.5	4.9	5.2	5.2
37.5°	3.9	3.9	3.6	3.9	3.9
40°	2.3	2.6	2.6	2.6	2.9
42.5°	1.3	1.6	1.6	1.6	1.6
45°	0.7	1.0	1.0	1.0	1.0
47.5°	0.3	0.3	0.3	0.7	0.7
50°	0.3	0.3	0.3	0.3	0.3
52.5°	0.3	0.0	0.0	0.0	0.3
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)