

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: P1323418

Luminaire Tested: LDSQA3D02R159030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

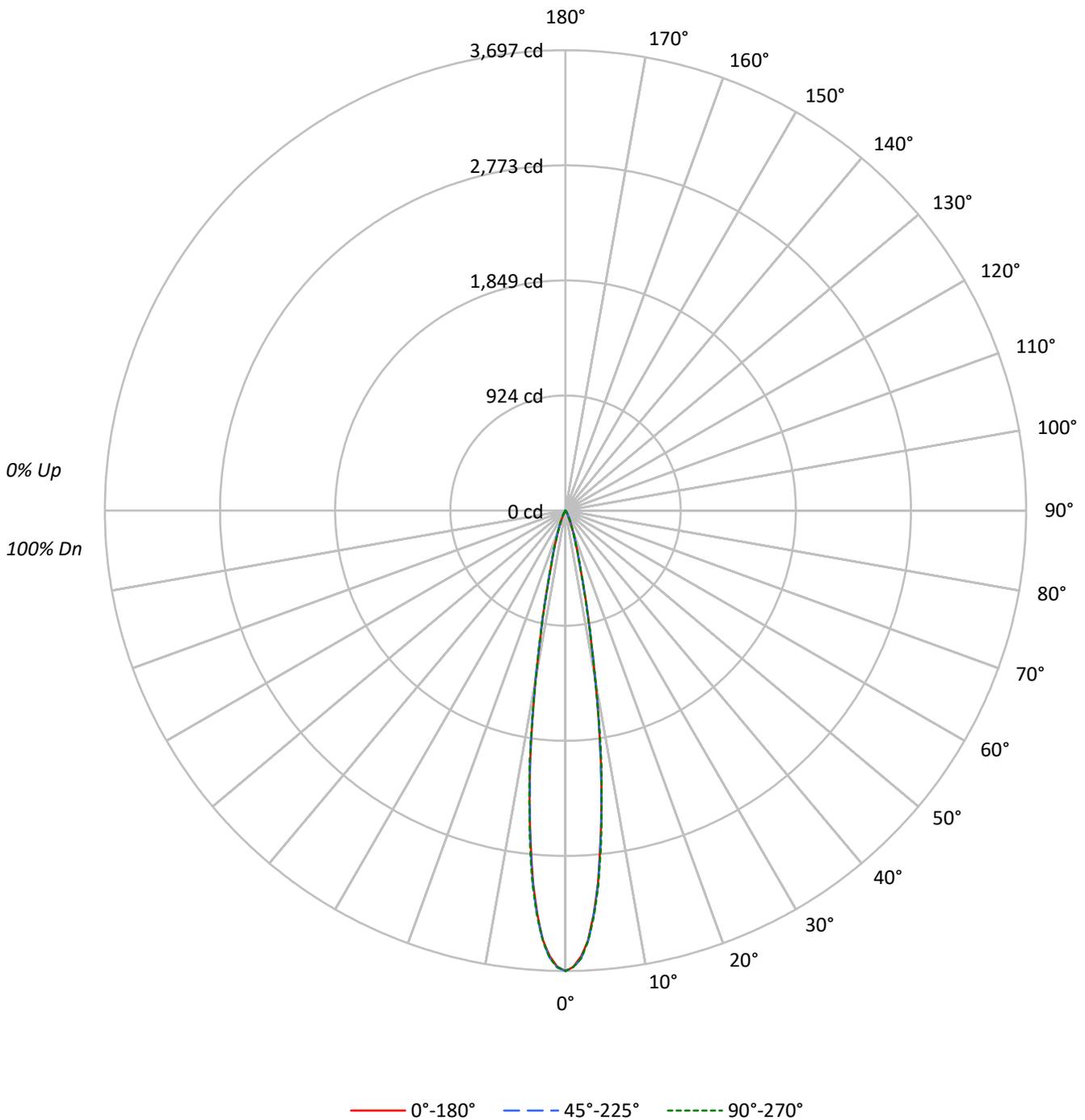
Test Method: LM-79-2019  
Report Number: P1323418  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R159030D2WDE010 3LSQCDR1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 415.0 lumens  
Efficiency: N/A  
Efficacy: 57.6 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	94	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	92	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	90	90	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88	88	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	85	85	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	84	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83	83

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

	0°	45°	90°
0°	636655	636655	636655
5°	517691	519489	521304
10°	241106	241334	240022
15°	74600	77274	75812
20°	29746	31413	29379
25°	12447	14670	11820
30°	5051	6742	4673
35°	1640	3091	1514
40°	585	1237	585
45°	244	390	244
50°	188	268	188
55°	210	210	210
60°	241	241	241
65°	122	122	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 390 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.4	55.8
10°-20°	138.4	33.3
20°-30°	35.2	8.5
30°-40°	7.7	1.8
40°-50°	1.2	0.3
50°-60°	0.6	0.2
60°-70°	0.3	0.1
70°-80°	0.2	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°	405.0	97.6
0°-40°	412.6	99.4
0°-60°	414.5	99.9
0°-90°	415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	415.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3697	3697	3697	3697	3697	
5°	2994	2999	3005	2991	3015	231
15°	418	430	433	427	425	138
25°	66	70	77	68	62	33
35°	8	10	15	10	7	6
45°	1	1	2	1	1	1
55°	1	1	1	1	1	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3696.7	3696.7	3696.7	3696.7	3696.7
1°	3664.5	3670.6	3671.6	3670.6	3665.4
2°	3582.0	3600.3	3596.4	3588.5	3599.6
3°	3454.6	3463.7	3462.4	3463.1	3460.5
4°	3247.4	3263.3	3254.2	3261.1	3261.7
5°	2994.5	2998.8	3004.9	2991.3	3015.4
6°	2683.3	2710.4	2686.6	2710.1	2719.5
7°	2366.9	2382.6	2352.3	2368.6	2378.3
8°	2043.4	2016.0	2032.6	2032.9	2065.2
9°	1694.1	1699.6	1713.6	1697.7	1711.7
10°	1378.7	1391.4	1380.0	1374.4	1372.5
11°	1088.6	1103.0	1102.0	1103.6	1092.9
12°	875.9	868.4	873.3	857.3	864.5
13°	681.7	682.0	678.1	671.6	665.7
14°	534.1	530.8	539.9	531.8	524.3
15°	418.4	430.1	433.4	427.2	425.2
17.5°	258.1	258.4	263.0	257.1	256.4
20°	162.3	166.2	171.4	165.2	160.3
22.5°	102.6	106.2	114.4	106.6	99.7
25°	65.5	70.1	77.2	68.4	62.2
27.5°	41.1	45.3	52.1	44.0	39.4
30°	25.4	28.3	33.9	27.7	23.5
32.5°	14.7	17.6	22.2	16.6	14.0
35°	7.8	10.1	14.7	9.8	7.2
37.5°	4.6	5.9	9.4	5.2	4.2
40°	2.6	3.6	5.5	3.3	2.6
42.5°	1.6	2.3	2.6	2.0	1.3
45°	1.0	1.3	1.6	1.3	1.0
47.5°	0.7	1.0	1.3	0.7	0.7
50°	0.7	0.7	1.0	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
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)