

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: P1307413

Luminaire Tested: LDSQA3D20R159024D010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307413  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R159024D010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

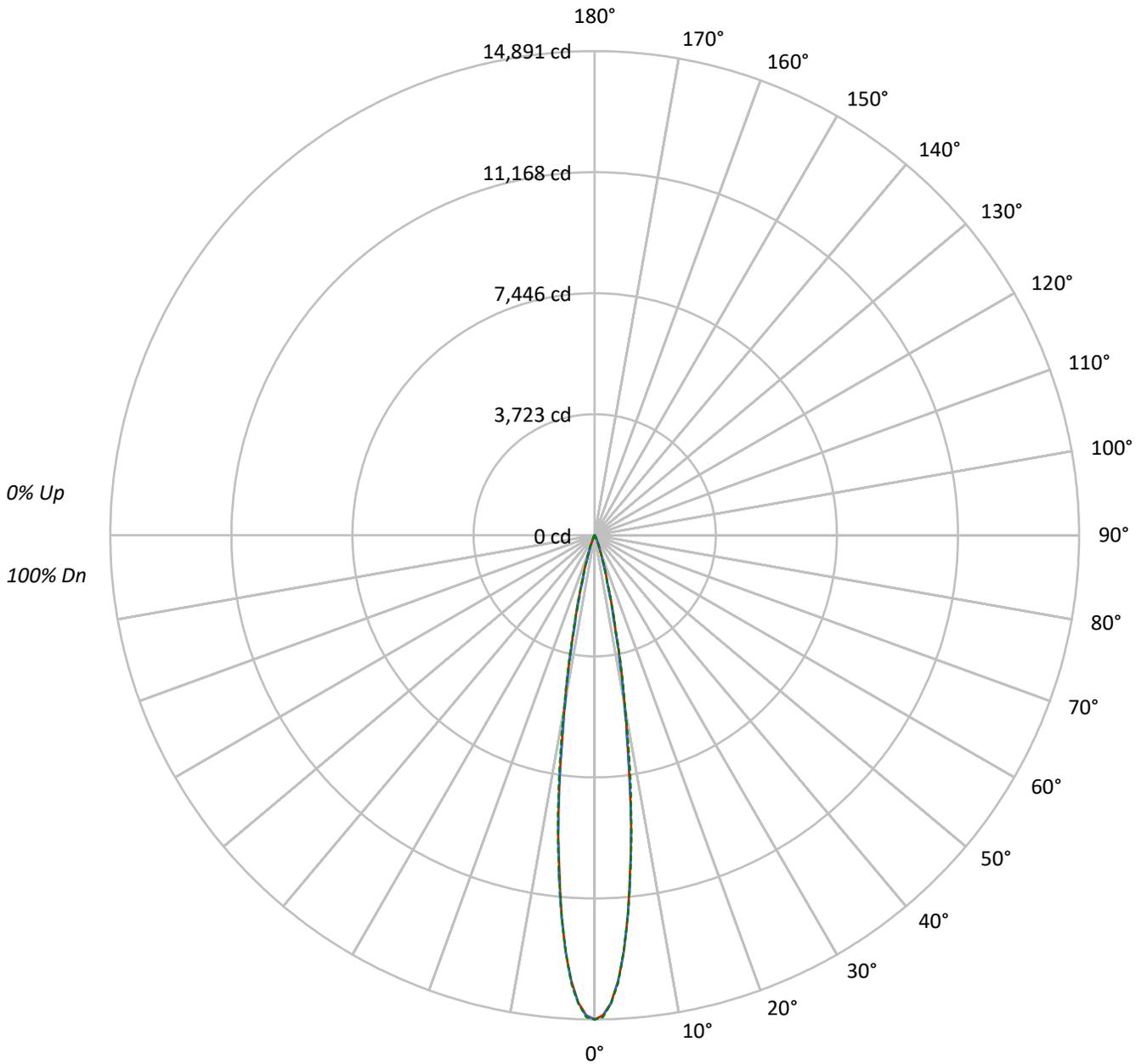
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1491.0 lumens  
Efficiency: N/A  
Efficacy: 51.8 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
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 (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	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

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

	0°	45°	90°
0°	2564498	2564498	2564498
5°	2022875	2028286	2021077
10°	925480	901224	945031
15°	275167	245659	269587
20°	81723	79248	85810
25°	23240	30043	26927
30°	8313	8889	8014
35°	3133	2817	2817
40°	1349	674	1012
45°	731	365	731
50°	402	0	402
55°	450	0	450
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: 0°

Vertical Angle: 47.5°

Luminance: 765 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	899.7	60.3
10°-20°	499.5	33.5
20°-30°	79.5	5.3
30°-40°	10.4	0.7
40°-50°	1.6	0.1
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°	1478.7	99.2
0°-40°	1489.1	99.9
0°-60°	1491.0	100.0
0°-90°	1491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1491.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	14891	14891	14891	14891	14891	
5°	11701	11799	11732	11683	11691	898
15°	1543	1524	1378	1464	1512	509
25°	122	137	158	157	142	75
35°	15	15	13	15	13	11
45°	3	2	2	2	3	3
55°	2	0	0	0	2	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	14890.6	14890.6	14890.6	14890.6	14890.6	14890.6	14890.6	14890.6	14890.6	14890.6	14890.6
1°	14762.3	14778.7	14799.6	14780.2	14762.3	14778.7	14756.4	14759.3	14741.4	14780.2	14823.5
2°	14386.6	14407.4	14395.5	14368.7	14410.4	14413.4	14367.2	14344.8	14341.8	14380.6	14395.5
3°	13721.5	13769.2	13770.7	13761.8	13748.3	13721.5	13673.8	13705.1	13661.9	13635.0	13787.1
4°	12837.3	12879.0	12928.2	12895.4	12797.0	12805.9	12837.3	12731.4	12737.3	12798.5	12803.0
5°	11701.0	11827.7	11833.7	11787.5	11709.9	11732.3	11709.9	11680.1	11690.6	11729.3	11690.6
6°	10363.4	10506.6	10400.7	10502.1	10479.8	10508.1	10515.5	10484.2	10506.6	10482.7	10475.3
7°	9207.8	9099.0	9113.9	9072.1	9116.9	9146.7	9164.6	9110.9	9154.1	9222.7	9242.1
8°	7774.8	7743.5	7712.2	7786.8	7765.9	7801.7	7824.0	7883.7	7880.7	7901.6	7970.2
9°	6410.4	6456.7	6485.0	6419.4	6476.0	6365.7	6404.5	6564.0	6522.3	6564.0	6686.3
10°	5292.1	5329.3	5287.6	5286.1	5226.5	5153.4	5148.9	5208.6	5333.8	5432.2	5403.9
12.5°	2919.7	2952.5	2956.9	2954.0	2846.6	2725.8	2748.2	2795.9	2873.4	2906.2	2959.9
15°	1543.3	1541.8	1558.2	1512.0	1455.4	1377.8	1383.8	1449.4	1507.5	1522.5	1512.0
17.5°	791.8	794.8	806.7	794.8	735.1	742.6	759.0	766.4	800.7	814.2	806.7
20°	445.9	447.3	445.9	450.3	426.5	432.4	453.3	454.8	462.3	469.7	468.2
22.5°	255.0	256.5	265.4	262.4	256.5	263.9	268.4	275.9	278.8	275.9	284.8
25°	122.3	123.8	123.8	141.7	150.6	158.1	161.0	158.1	155.1	143.1	141.7
27.5°	70.1	70.1	73.1	74.6	77.5	91.0	89.5	74.6	62.6	62.6	64.1
30°	41.8	40.3	40.3	41.8	43.2	44.7	41.8	40.3	40.3	41.8	40.3
32.5°	25.3	25.3	25.3	23.9	23.9	22.4	22.4	25.3	25.3	25.3	25.3
35°	14.9	14.9	14.9	14.9	13.4	13.4	13.4	14.9	14.9	13.4	13.4
37.5°	8.9	8.9	8.9	7.5	7.5	6.0	7.5	7.5	7.5	7.5	7.5
40°	6.0	6.0	4.5	4.5	3.0	3.0	3.0	4.5	4.5	4.5	4.5
42.5°	4.5	4.5	3.0	3.0	1.5	1.5	1.5	3.0	3.0	3.0	3.0
45°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
47.5°	3.0	3.0	1.5	1.5	0.0	0.0	0.0	1.5	1.5	1.5	1.5
50°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
52.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
55°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)