

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: P1306797

Luminaire Tested: LDSQA3D05R209024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209024DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

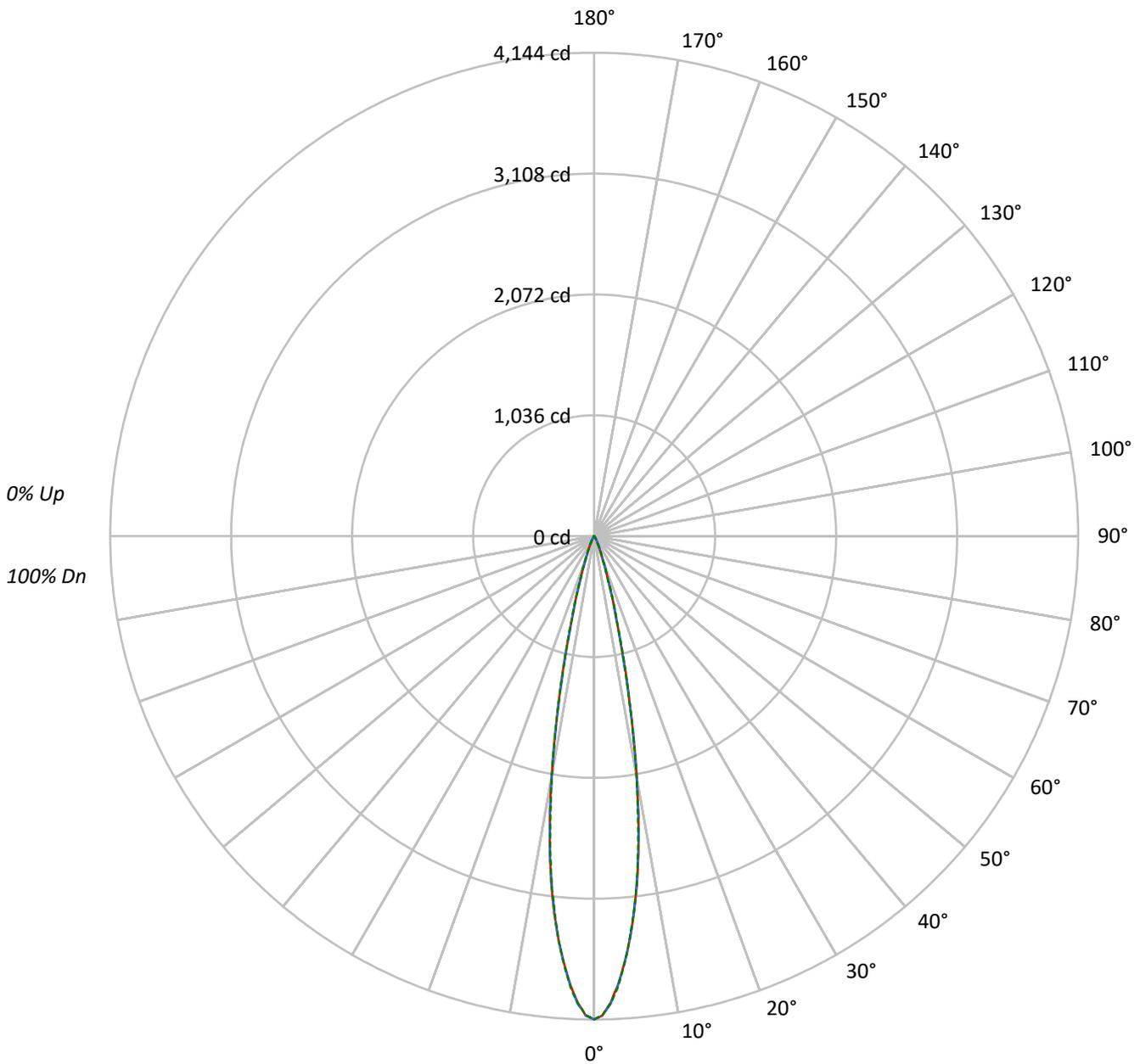
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 570.9 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 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 (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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	91	88	87	86
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

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

	0°	45°	90°
0°	713605	713605	713605
5°	601469	601693	601382
10°	366512	364816	365673
15°	129106	129658	133670
20°	40559	41695	40815
25°	15202	16627	15620
30°	5886	8352	6145
35°	2229	3721	2418
40°	1192	1596	1192
45°	438	755	536
50°	241	348	241
55°	270	270	270
60°	138	138	138
65°	163	163	163
70°	201	201	201
75°	0	0	266
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 755 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.6	50.4
10°-20°	225.5	39.5
20°-30°	44.3	7.8
30°-40°	9.9	1.7
40°-50°	2.3	0.4
50°-60°	0.7	0.1
60°-70°	0.4	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°	557.5	97.6
0°-40°	567.4	99.4
0°-60°	570.4	99.9
0°-90°	570.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4144	4144	4144	4144	4144	
5°	3479	3482	3480	3492	3479	288
15°	724	727	727	743	750	225
25°	80	85	88	86	82	42
35°	11	13	18	13	12	8
45°	2	3	3	3	2	2
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°	4143.5	4143.5	4143.5	4143.5	4143.5
1°	4109.9	4101.1	4111.3	4103.3	4105.1
2°	4003.5	3998.6	4011.9	4003.5	4007.9
3°	3855.5	3849.3	3859.0	3859.4	3871.8
4°	3678.8	3666.8	3681.4	3681.8	3684.1
5°	3479.1	3482.2	3480.4	3492.3	3478.6
6°	3254.6	3264.8	3251.5	3258.2	3239.2
7°	3003.7	2990.9	2984.3	2986.5	2999.7
8°	2726.7	2717.9	2727.6	2713.9	2704.6
9°	2418.8	2403.3	2413.9	2400.7	2387.4
10°	2095.8	2088.8	2086.1	2071.1	2091.0
11°	1772.0	1750.8	1761.4	1753.9	1775.5
12°	1468.9	1470.7	1449.9	1456.6	1459.2
13°	1195.5	1167.2	1170.7	1188.8	1191.9
14°	927.3	931.3	932.6	945.4	952.9
15°	724.1	727.2	727.2	743.1	749.7
17.5°	388.3	388.3	396.7	398.5	399.4
20°	221.3	222.7	227.5	227.1	222.7
22.5°	132.5	135.2	137.8	135.2	132.5
25°	80.0	85.3	87.5	86.1	82.2
27.5°	47.7	53.5	59.6	54.8	47.3
30°	29.6	32.7	42.0	33.6	30.9
32.5°	16.3	21.2	28.7	22.1	16.8
35°	10.6	12.8	17.7	12.8	11.5
37.5°	7.5	8.8	11.0	9.3	8.0
40°	5.3	6.2	7.1	6.6	5.3
42.5°	3.5	4.4	4.9	4.4	3.5
45°	1.8	2.7	3.1	2.7	2.2
47.5°	0.9	1.3	2.2	1.3	0.9
50°	0.9	0.9	1.3	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.4	0.9	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.4
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)