

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: P1318647

Luminaire Tested: LDSQA3D20R309830D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318647  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R309830D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

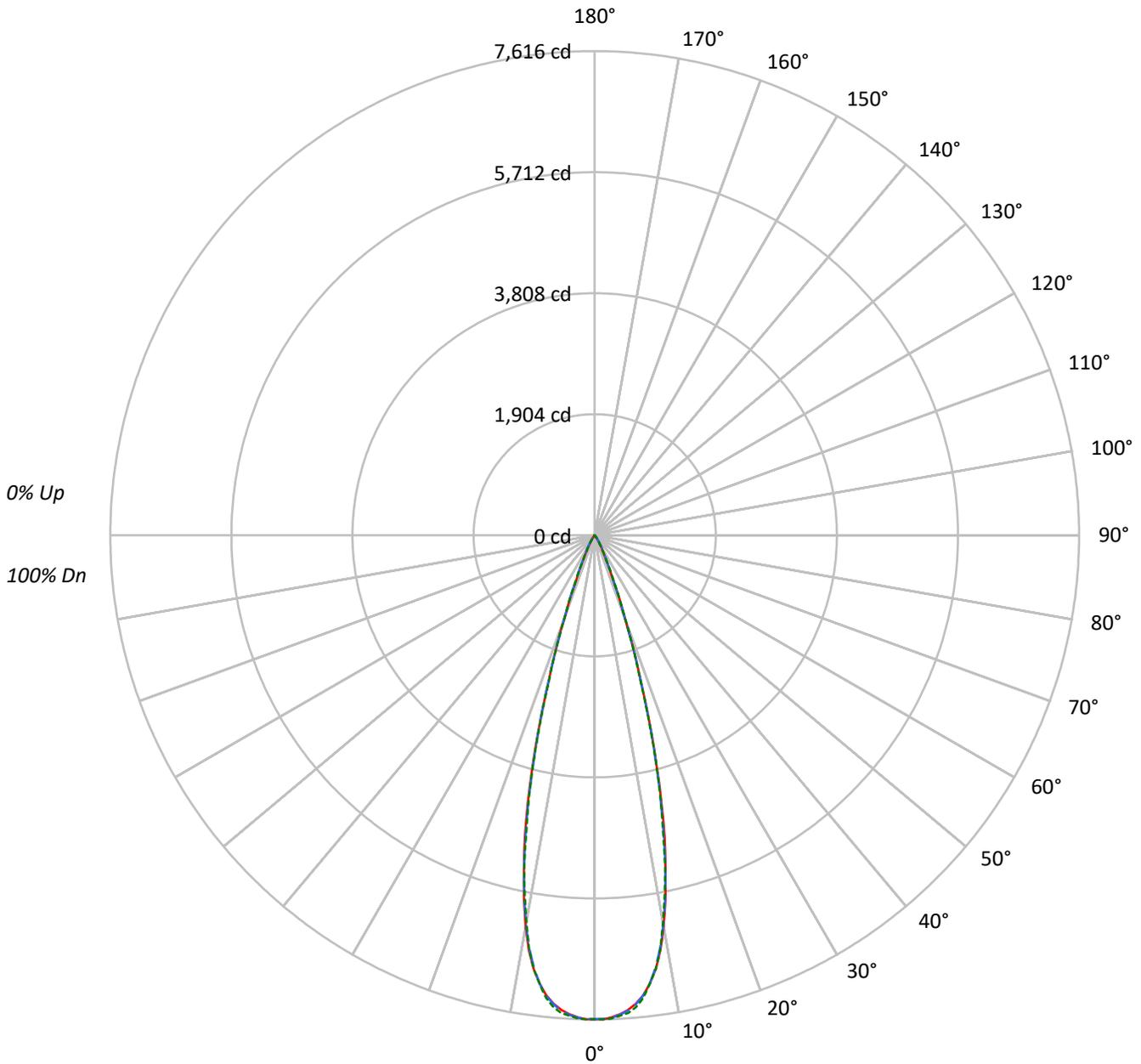
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1964.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

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

	0°	45°	90°
0°	1310855	1310855	1310855
5°	1278901	1280474	1287614
10°	1092280	1087191	1080790
15°	674056	666157	668617
20°	254753	256146	255871
25°	78367	85911	81844
30°	31600	40091	32813
35°	9314	17030	9629
40°	3777	6857	3777
45°	755	2241	755
50°	0	402	0
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: 45°  
 Vertical Angle: 45°  
 Luminance: 2241 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	671.3	34.2
10°-20°	994.0	50.6
20°-30°	246.5	12.6
30°-40°	46.3	2.4
40°-50°	5.8	0.3
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°	1911.8	97.3
0°-40°	1958.1	99.7
0°-60°	1964.0	100.0
0°-90°	1964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1964.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7611	7611	7611	7611	7611	
5°	7398	7394	7407	7419	7448	672
15°	3780	3744	3736	3765	3750	999
25°	412	440	452	451	431	237
35°	44	58	81	60	46	37
45°	3	5	9	6	3	4
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°	7611.4	7611.4	7611.4	7611.4	7611.4
1°	7614.5	7608.4	7608.4	7599.2	7616.0
2°	7587.0	7580.9	7591.6	7583.9	7605.3
3°	7545.7	7538.1	7553.4	7558.0	7568.7
4°	7484.6	7478.5	7495.3	7504.5	7533.5
5°	7397.6	7394.5	7406.7	7419.0	7448.0
6°	7278.4	7273.9	7281.5	7296.8	7315.1
7°	7105.8	7096.7	7102.8	7105.8	7110.4
8°	6887.4	6873.7	6866.0	6882.8	6892.0
9°	6606.3	6591.1	6574.3	6568.2	6589.5
10°	6245.9	6222.9	6216.8	6201.6	6180.2
11°	5827.3	5809.0	5804.4	5776.9	5764.7
12°	5347.7	5338.5	5349.2	5332.4	5326.3
13°	4887.9	4829.9	4822.2	4790.2	4773.4
14°	4344.1	4290.7	4289.2	4272.4	4295.3
15°	3780.5	3743.8	3736.2	3765.2	3750.0
17.5°	2410.4	2434.8	2428.7	2413.4	2387.4
20°	1390.0	1373.2	1397.6	1403.8	1396.1
22.5°	740.8	746.9	751.5	769.8	782.1
25°	412.4	439.9	452.1	450.6	430.7
27.5°	256.6	273.4	296.3	281.1	264.3
30°	158.9	172.6	201.6	174.1	165.0
32.5°	85.5	108.5	129.8	108.5	88.6
35°	44.3	58.0	81.0	59.6	45.8
37.5°	29.0	33.6	51.9	33.6	29.0
40°	16.8	21.4	30.5	21.4	16.8
42.5°	7.6	12.2	16.8	12.2	7.6
45°	3.1	4.6	9.2	6.1	3.1
47.5°	0.0	1.5	4.6	1.5	0.0
50°	0.0	0.0	1.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



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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)