

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: P1317186

Luminaire Tested: LDSQA3D05R309827DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317186  
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: LDSQA3D05R309827DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

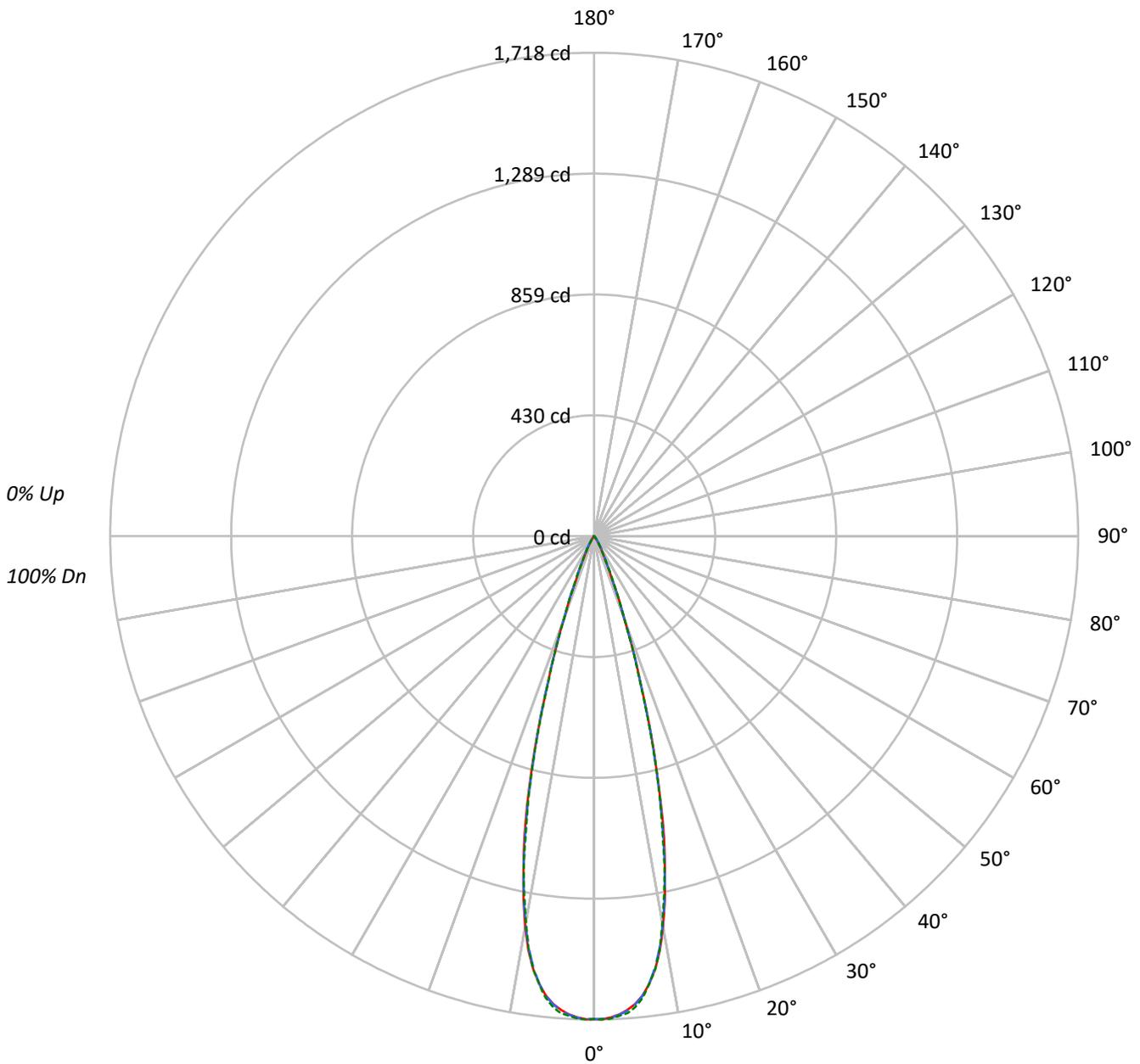
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 443.0 lumens  
Efficiency: N/A  
Efficacy: 61.5 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): 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



0% Up  
100% Dn

— 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	91	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	88	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	86	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	83	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	81	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	75	75

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

	0°	45°	90°
0°	295672	295672	295672
5°	288468	288831	290439
10°	246370	245233	243782
15°	152035	150252	150804
20°	57457	57787	57713
25°	17672	19383	18471
30°	7119	9048	7398
35°	2102	3847	2166
40°	854	1551	854
45°	170	511	170
50°	0	80	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: 511 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.4	34.2
10°-20°	224.2	50.6
20°-30°	55.6	12.6
30°-40°	10.4	2.4
40°-50°	1.3	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°	431.2	97.3
0°-40°	441.7	99.7
0°-60°	443.0	100.0
0°-90°	443.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	443.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1717	1717	1717	1717	1717	
5°	1669	1668	1671	1673	1680	152
15°	853	844	843	849	846	225
25°	93	99	102	102	97	54
35°	10	13	18	13	10	8
45°	1	1	2	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°	1716.8	1716.8	1716.8	1716.8	1716.8
1°	1717.5	1716.1	1716.1	1714.1	1717.9
2°	1711.3	1709.9	1712.4	1710.6	1715.5
3°	1702.0	1700.3	1703.7	1704.8	1707.2
4°	1688.2	1686.9	1690.6	1692.7	1699.3
5°	1668.6	1667.9	1670.7	1673.4	1680.0
6°	1641.7	1640.7	1642.4	1645.9	1650.0
7°	1602.8	1600.7	1602.1	1602.8	1603.8
8°	1553.5	1550.4	1548.7	1552.5	1554.6
9°	1490.1	1486.7	1482.9	1481.5	1486.3
10°	1408.8	1403.6	1402.3	1398.8	1394.0
11°	1314.4	1310.3	1309.2	1303.0	1300.3
12°	1206.2	1204.2	1206.6	1202.8	1201.4
13°	1102.5	1089.4	1087.7	1080.5	1076.7
14°	979.9	967.8	967.5	963.7	968.8
15°	852.7	844.5	842.7	849.3	845.8
17.5°	543.7	549.2	547.8	544.4	538.5
20°	313.5	309.7	315.3	316.6	314.9
22.5°	167.1	168.5	169.5	173.6	176.4
25°	93.0	99.2	102.0	101.6	97.2
27.5°	57.9	61.7	66.8	63.4	59.6
30°	35.8	38.9	45.5	39.3	37.2
32.5°	19.3	24.5	29.3	24.5	20.0
35°	10.0	13.1	18.3	13.4	10.3
37.5°	6.5	7.6	11.7	7.6	6.5
40°	3.8	4.8	6.9	4.8	3.8
42.5°	1.7	2.8	3.8	2.8	1.7
45°	0.7	1.0	2.1	1.4	0.7
47.5°	0.0	0.3	1.0	0.3	0.0
50°	0.0	0.0	0.3	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)