

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: P1318500

Luminaire Tested: LDSQA3D17R309830DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318500  
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: LDSQA3D17R309830DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

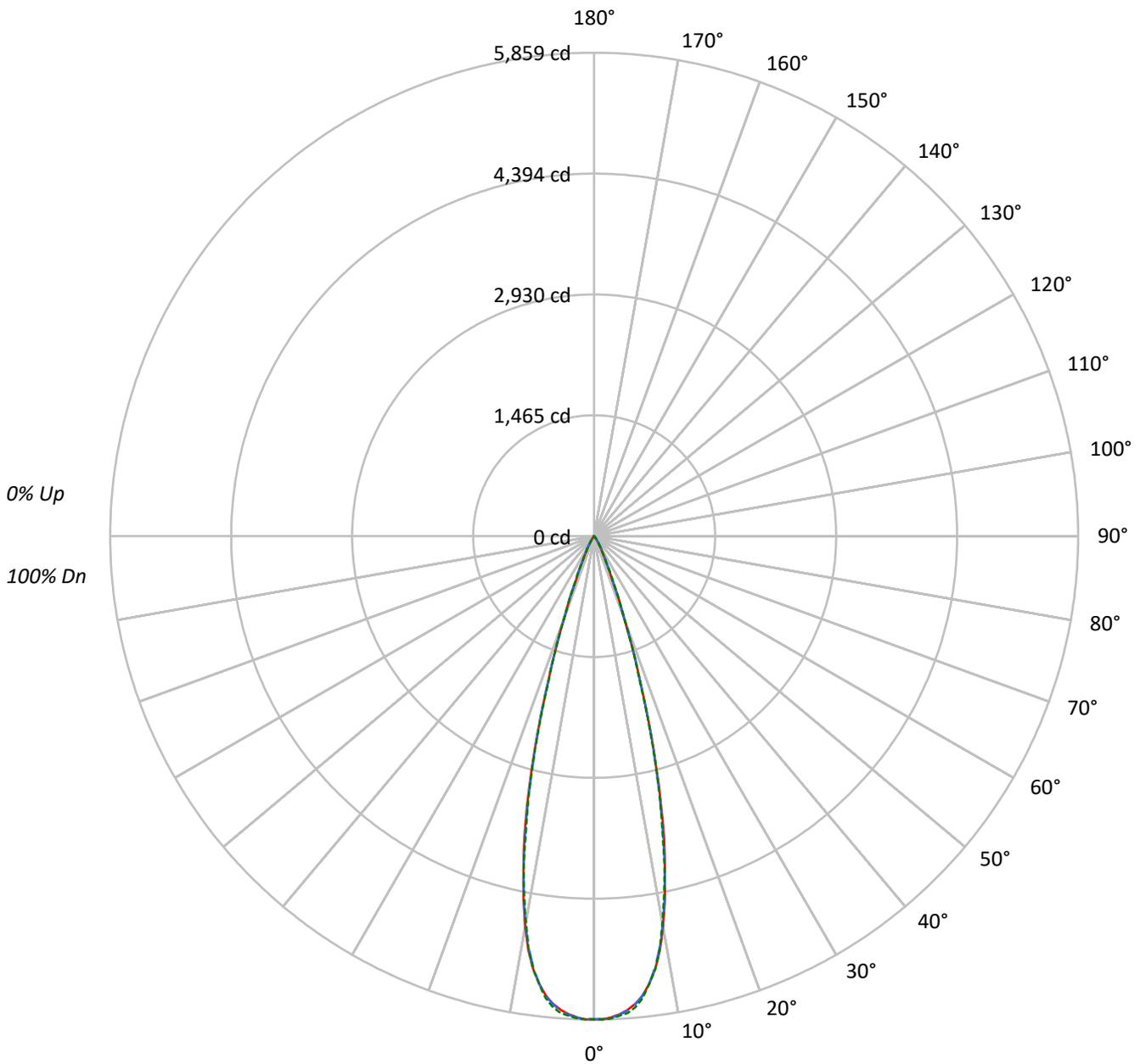
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1511.0 lumens  
Efficiency: N/A  
Efficacy: 74.1 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): 20.4  
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°-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	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	97	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	91	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	86	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	83	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	81	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	75	75

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

	0°	45°	90°
0°	1008501	1008501	1008501
5°	983915	985142	990623
10°	840331	836431	831499
15°	518580	512500	514390
20°	195995	197076	196856
25°	60295	66091	62975
30°	24301	30844	25236
35°	7169	13098	7422
40°	2900	5283	2900
45°	585	1729	585
50°	0	322	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: 1729 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	516.5	34.2
10°-20°	764.7	50.6
20°-30°	189.7	12.6
30°-40°	35.6	2.4
40°-50°	4.5	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°	1470.9	97.3
0°-40°	1506.5	99.7
0°-60°	1511.0	100.0
0°-90°	1511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1511.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5856	5856	5856	5856	5856	
5°	5691	5689	5698	5708	5730	517
15°	2908	2880	2874	2897	2885	768
25°	317	338	348	347	331	183
35°	34	45	62	46	35	29
45°	2	4	7	5	2	3
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°	5855.8	5855.8	5855.8	5855.8	5855.8
1°	5858.2	5853.5	5853.5	5846.4	5859.4
2°	5837.0	5832.3	5840.6	5834.7	5851.1
3°	5805.3	5799.4	5811.2	5814.7	5822.9
4°	5758.3	5753.6	5766.5	5773.6	5795.9
5°	5691.3	5689.0	5698.4	5707.8	5730.1
6°	5599.6	5596.1	5602.0	5613.8	5627.9
7°	5466.9	5459.8	5464.5	5466.9	5470.4
8°	5298.8	5288.2	5282.4	5295.3	5302.3
9°	5082.6	5070.8	5057.9	5053.2	5069.7
10°	4805.2	4787.6	4782.9	4771.2	4754.7
11°	4483.2	4469.1	4465.6	4444.5	4435.1
12°	4114.2	4107.2	4115.4	4102.5	4097.8
13°	3760.5	3715.9	3710.0	3685.3	3672.4
14°	3342.2	3301.0	3299.9	3286.9	3304.6
15°	2908.5	2880.3	2874.4	2896.8	2885.0
17.5°	1854.4	1873.2	1868.5	1856.8	1836.8
20°	1069.4	1056.5	1075.3	1080.0	1074.1
22.5°	570.0	574.7	578.2	592.3	601.7
25°	317.3	338.4	347.8	346.7	331.4
27.5°	197.4	210.4	228.0	216.2	203.3
30°	122.2	132.8	155.1	134.0	126.9
32.5°	65.8	83.4	99.9	83.4	68.2
35°	34.1	44.7	62.3	45.8	35.3
37.5°	22.3	25.9	40.0	25.9	22.3
40°	12.9	16.5	23.5	16.5	12.9
42.5°	5.9	9.4	12.9	9.4	5.9
45°	2.4	3.5	7.1	4.7	2.4
47.5°	0.0	1.2	3.5	1.2	0.0
50°	0.0	0.0	1.2	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)