

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: P1310553

Luminaire Tested: LDSQA3D17R409035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310553  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R409035DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

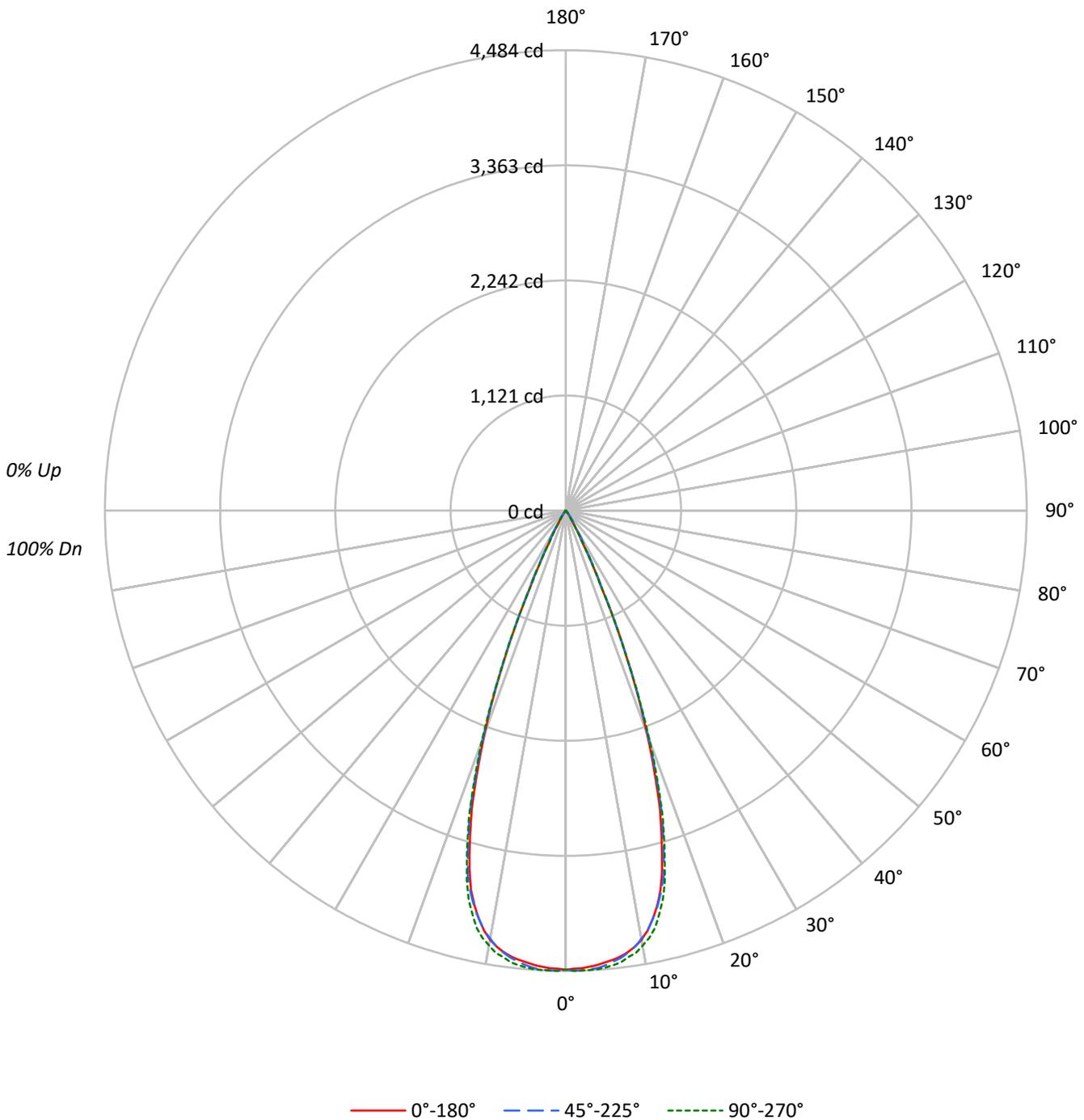
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1881.0 lumens  
Efficiency: N/A  
Efficacy: 88.7 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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





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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	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	82	80	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	80	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

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

	0°	45°	90°
0°	770369	770369	770369
5°	763682	768506	772153
10°	741944	740545	752139
15°	645439	655834	663875
20°	423623	431870	437460
25°	151014	159831	150273
30°	32932	44526	33191
35°	10575	18375	10302
40°	3282	5665	2968
45°	317	1924	317
50°	0	348	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: 1924 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	418.3	22.2
10°-20°	974.2	51.8
20°-30°	436.9	23.2
30°-40°	47.2	2.5
40°-50°	4.4	0.2
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°	1829.4	97.3
0°-40°	1876.6	99.8
0°-60°	1881.0	100.0
0°-90°	1881.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1881.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4473	4473	4473	4473	4473	
5°	4417	4429	4445	4452	4466	417
15°	3620	3646	3678	3700	3723	962
25°	795	819	841	856	791	424
35°	50	58	87	57	49	39
45°	1	3	8	3	1	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°	4473.1	4473.1	4473.1	4473.1	4473.1
1°	4463.8	4473.1	4481.0	4474.4	4483.7
2°	4459.8	4470.4	4482.3	4475.7	4483.7
3°	4449.2	4462.5	4475.7	4471.7	4479.7
4°	4434.7	4445.3	4465.1	4465.1	4477.0
5°	4417.4	4429.4	4445.3	4451.9	4466.4
6°	4398.9	4405.5	4417.4	4430.7	4450.6
7°	4375.1	4375.1	4389.6	4402.9	4429.4
8°	4341.9	4339.3	4349.9	4367.1	4390.9
9°	4300.9	4291.6	4299.6	4324.7	4360.5
10°	4242.6	4234.6	4234.6	4266.4	4300.9
11°	4167.1	4164.4	4165.8	4196.2	4242.6
12°	4065.1	4067.8	4067.8	4102.2	4159.1
13°	3949.9	3948.5	3960.5	3998.9	4037.3
14°	3809.5	3817.4	3829.3	3863.8	3903.5
15°	3620.0	3646.5	3678.3	3699.5	3723.4
17.5°	3043.9	3070.4	3114.1	3131.3	3136.6
20°	2311.4	2349.8	2356.4	2390.8	2386.9
22.5°	1549.7	1547.1	1552.4	1556.4	1557.7
25°	794.7	818.6	841.1	855.7	790.8
27.5°	345.7	386.8	415.9	377.5	349.7
30°	165.6	188.1	223.9	189.4	166.9
32.5°	90.1	104.6	141.7	103.3	88.7
35°	50.3	58.3	87.4	57.0	49.0
37.5°	29.1	31.8	47.7	31.8	27.8
40°	14.6	18.5	25.2	18.5	13.2
42.5°	5.3	9.3	13.2	9.3	5.3
45°	1.3	2.6	7.9	2.6	1.3
47.5°	0.0	0.0	4.0	0.0	0.0
50°	0.0	0.0	1.3	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)