

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: P1313856

Luminaire Tested: LDSQA3D17R409727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

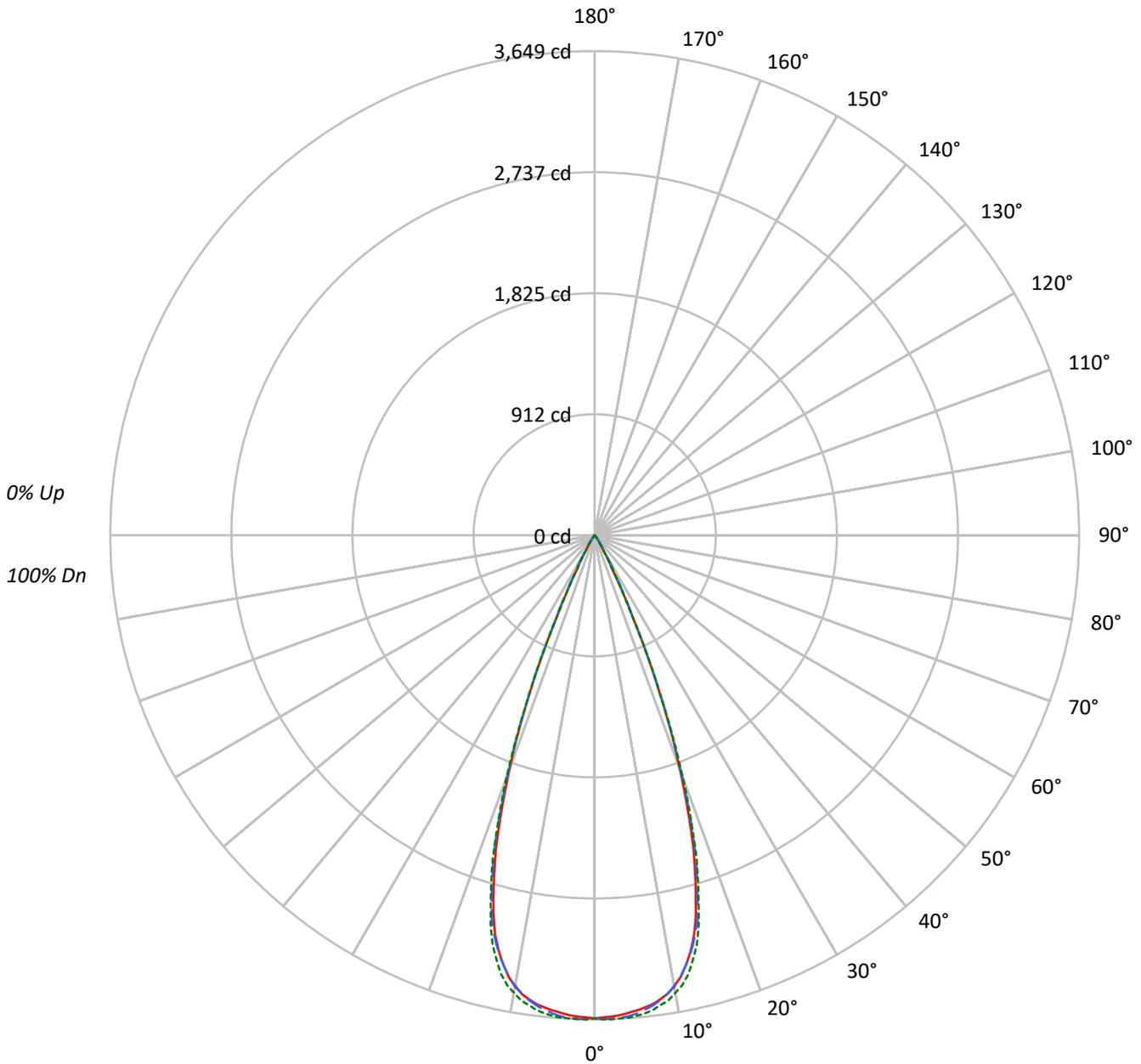
Test Method: LM-79-2019  
Report Number: P1313856  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R409727DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1531.0 lumens  
Efficiency: N/A  
Efficacy: 72.2 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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85		
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82		
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79		
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76		
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73		
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71		
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69		

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

	0°	45°	90°
0°	627028	627028	627028
5°	621592	625499	628490
10°	603894	602757	612183
15°	525355	533806	540350
20°	344796	351504	356049
25°	122928	130092	122301
30°	26807	36233	27006
35°	8620	14969	8389
40°	2675	4609	2428
45°	268	1583	268
50°	0	295	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: 1583 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	340.5	22.2
10°-20°	792.9	51.8
20°-30°	355.6	23.2
30°-40°	38.4	2.5
40°-50°	3.6	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°	1489.0	97.3
0°-40°	1527.4	99.8
0°-60°	1531.0	100.0
0°-90°	1531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1531.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3641	3641	3641	3641	3641	
5°	3596	3605	3618	3624	3635	339
15°	2946	2968	2994	3011	3031	783
25°	647	666	685	696	644	345
35°	41	47	71	46	40	32
45°	1	2	6	2	1	2
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°	3640.8	3640.8	3640.8	3640.8	3640.8
1°	3633.2	3640.8	3647.2	3641.8	3649.4
2°	3630.0	3638.6	3648.3	3642.9	3649.4
3°	3621.4	3632.1	3642.9	3639.7	3646.2
4°	3609.5	3618.1	3634.3	3634.3	3644.0
5°	3595.5	3605.2	3618.1	3623.5	3635.4
6°	3580.4	3585.8	3595.5	3606.3	3622.4
7°	3561.0	3561.0	3572.8	3583.6	3605.2
8°	3534.0	3531.9	3540.5	3554.5	3573.9
9°	3500.6	3493.1	3499.5	3520.0	3549.1
10°	3453.2	3446.7	3446.7	3472.6	3500.6
11°	3391.7	3389.6	3390.6	3415.4	3453.2
12°	3308.7	3310.9	3310.9	3338.9	3385.2
13°	3214.9	3213.8	3223.5	3254.8	3286.1
14°	3100.6	3107.1	3116.8	3144.8	3177.2
15°	2946.5	2968.0	2993.9	3011.1	3030.6
17.5°	2477.5	2499.0	2534.6	2548.6	2553.0
20°	1881.3	1912.6	1917.9	1946.0	1942.7
22.5°	1261.4	1259.2	1263.5	1266.8	1267.9
25°	646.9	666.3	684.6	696.5	643.6
27.5°	281.4	314.8	338.5	307.3	284.6
30°	134.8	153.1	182.2	154.2	135.8
32.5°	73.3	85.2	115.4	84.1	72.2
35°	41.0	47.4	71.2	46.4	39.9
37.5°	23.7	25.9	38.8	25.9	22.6
40°	11.9	15.1	20.5	15.1	10.8
42.5°	4.3	7.5	10.8	7.5	4.3
45°	1.1	2.2	6.5	2.2	1.1
47.5°	0.0	0.0	3.2	0.0	0.0
50°	0.0	0.0	1.1	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)