

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: P1318535

Luminaire Tested: LDSQA3D17R409830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

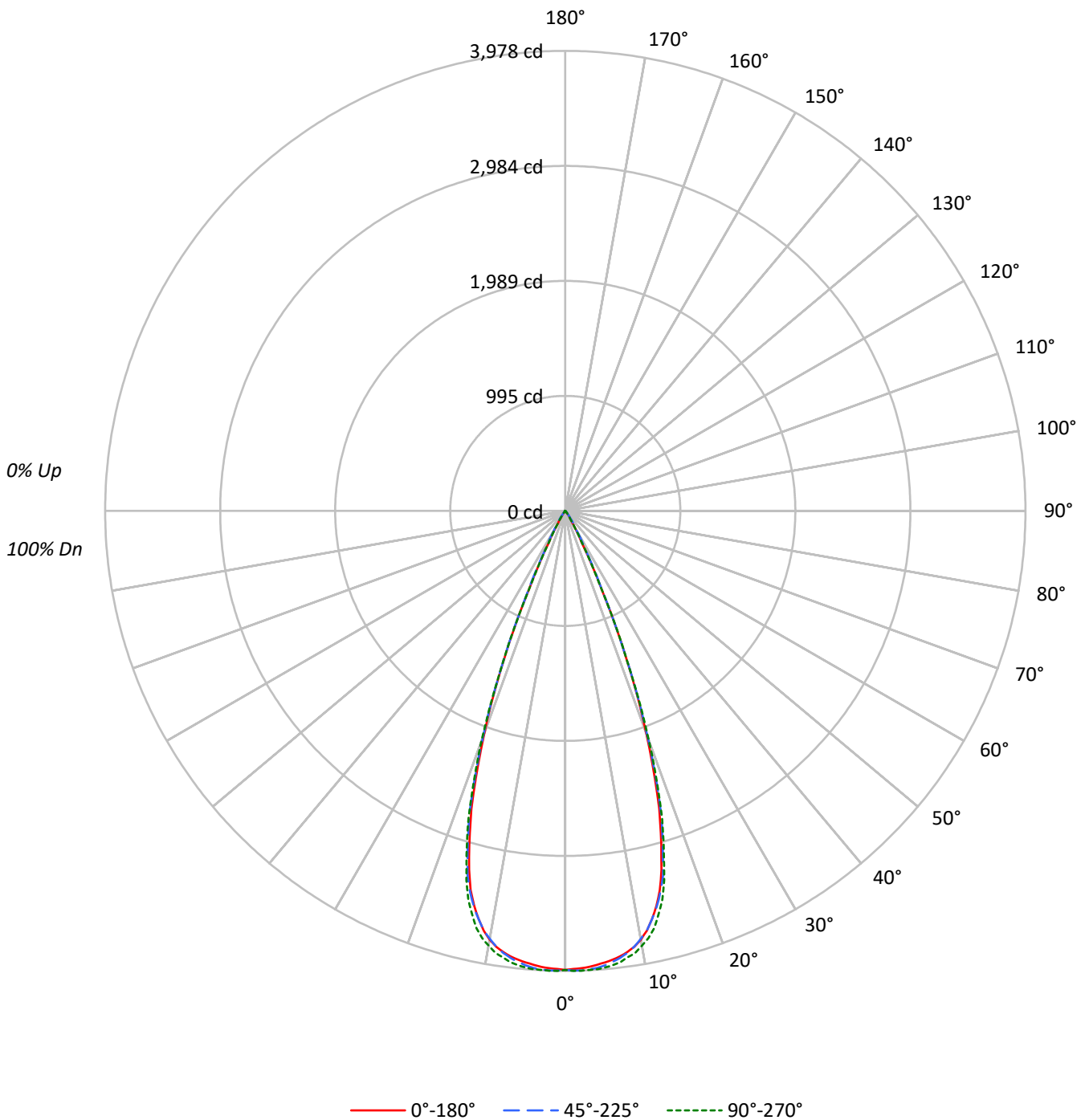
Test Method: LM-79-2019  
Report Number: P1318535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R409830DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1669.0 lumens  
Efficiency: N/A  
Efficacy: 81.8 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): 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





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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	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	70	69

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

	0°	45°	90°
0°	683534	683534	683534
5°	677622	681875	685143
10°	658316	657092	667357
15°	572693	581929	589043
20°	375880	383192	388159
25°	134007	141817	133323
30°	29213	39495	29452
35°	9398	16315	9146
40°	2900	5014	2653
45°	292	1729	292
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°	371.2	22.2
10°-20°	864.4	51.8
20°-30°	387.7	23.2
30°-40°	41.9	2.5
40°-50°	3.9	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°	1623.2	97.3
0°-40°	1665.1	99.8
0°-60°	1669.0	100.0
0°-90°	1669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1669.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3969	3969	3969	3969	3969	
5°	3920	3930	3944	3950	3963	370
15°	3212	3236	3264	3283	3304	854
25°	705	726	746	759	702	376
35°	45	52	78	50	44	35
45°	1	2	7	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°	3968.9	3968.9	3968.9	3968.9	3968.9
1°	3960.7	3968.9	3976.0	3970.1	3978.3
2°	3957.2	3966.6	3977.2	3971.3	3978.3
3°	3947.8	3959.5	3971.3	3967.8	3974.8
4°	3934.8	3944.2	3961.9	3961.9	3972.5
5°	3919.6	3930.1	3944.2	3950.1	3963.1
6°	3903.1	3909.0	3919.6	3931.3	3948.9
7°	3882.0	3882.0	3894.9	3906.6	3930.1
8°	3852.6	3850.2	3859.6	3874.9	3896.1
9°	3816.1	3807.9	3815.0	3837.3	3869.0
10°	3764.4	3757.4	3757.4	3785.6	3816.1
11°	3697.4	3695.1	3696.3	3723.3	3764.4
12°	3606.9	3609.3	3609.3	3639.8	3690.4
13°	3504.7	3503.5	3514.1	3548.2	3582.3
14°	3380.1	3387.2	3397.7	3428.3	3463.6
15°	3212.0	3235.6	3263.8	3282.6	3303.7
17.5°	2700.8	2724.3	2763.1	2778.4	2783.1
20°	2050.9	2085.0	2090.8	2121.4	2117.9
22.5°	1375.1	1372.7	1377.4	1381.0	1382.1
25°	705.2	726.3	746.3	759.2	701.6
27.5°	306.7	343.2	369.0	335.0	310.3
30°	146.9	166.9	198.6	168.1	148.1
32.5°	79.9	92.8	125.8	91.7	78.7
35°	44.7	51.7	77.6	50.5	43.5
37.5°	25.9	28.2	42.3	28.2	24.7
40°	12.9	16.5	22.3	16.5	11.8
42.5°	4.7	8.2	11.8	8.2	4.7
45°	1.2	2.4	7.1	2.4	1.2
47.5°	0.0	0.0	3.5	0.0	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)