

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: P1311644

Luminaire Tested: LDSQA3D17R309040DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311644  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309040DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

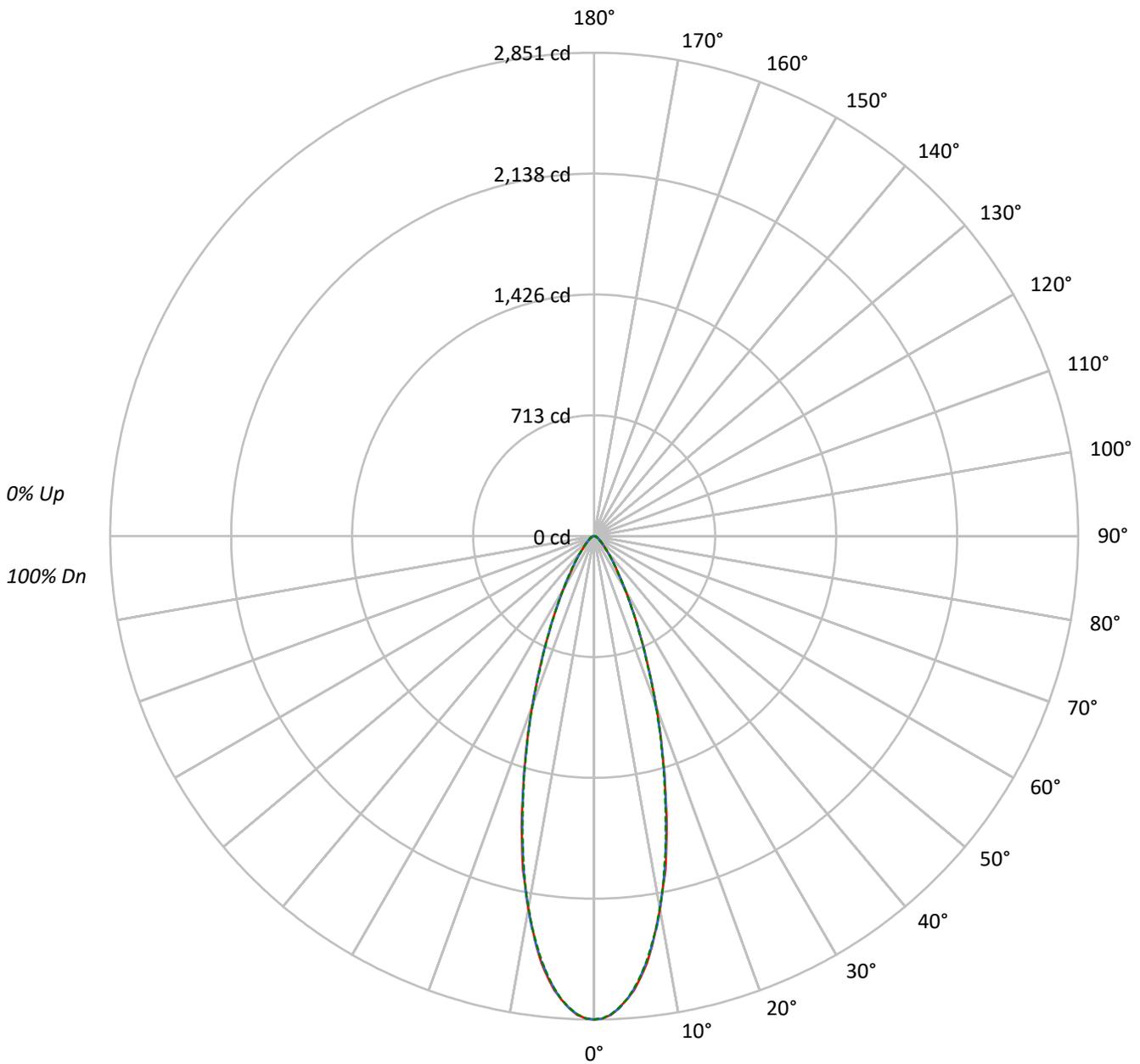
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1252.0 lumens  
Efficiency: N/A  
Efficacy: 59.1 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
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				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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	490972	490972	490972
5°	464824	463631	463389
10°	390506	390506	389054
15°	290947	290198	288486
20°	194730	193704	193960
25°	120040	119774	120306
30°	72168	72168	72447
35°	44278	44278	44551
40°	28035	28035	28642
45°	19241	19558	19558
50°	14093	14093	14093
55°	10809	11230	11230
60°	9059	9059	9541
65°	7906	7906	7906
70°	6999	7654	7654
75°	6455	6455	6455
80°	5455	5455	5455
85°	2766	2766	2766

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 19558 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.7	19.3
10°-20°	446.2	35.6
20°-30°	296.6	23.7
30°-40°	137.1	11.0
40°-50°	63.7	5.1
50°-60°	34.0	2.7
60°-70°	19.8	1.6
70°-80°	10.5	0.8
80°-90°	2.3	0.2
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°	984.5	78.6
0°-40°	1121.7	89.6
0°-60°	1219.4	97.4
0°-90°	1252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1252.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2851	2851	2851	2851	2851	
5°	2689	2683	2682	2689	2680	242
15°	1632	1637	1628	1628	1618	448
25°	632	630	630	630	633	297
35°	211	209	211	212	212	136
45°	79	79	80	80	80	63
55°	36	37	37	37	37	33
65°	19	19	19	19	19	19
75°	10	10	10	10	10	10
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2850.8	2850.8	2850.8	2850.8	2850.8
1°	2845.3	2842.5	2845.3	2849.4	2843.9
2°	2825.9	2823.1	2823.1	2828.6	2823.1
3°	2788.5	2791.2	2789.9	2795.4	2785.7
4°	2741.4	2740.0	2745.5	2748.3	2740.0
5°	2688.7	2683.2	2681.8	2688.7	2680.4
6°	2616.7	2612.5	2609.8	2618.1	2607.0
7°	2539.1	2536.4	2532.2	2535.0	2526.7
8°	2443.5	2442.2	2439.4	2442.2	2432.5
9°	2336.9	2336.9	2342.4	2341.0	2335.5
10°	2233.0	2235.8	2233.0	2235.8	2224.7
11°	2116.6	2116.6	2119.4	2118.0	2119.4
12°	2015.5	2004.4	2001.7	1998.9	1990.6
13°	1885.3	1877.0	1874.2	1877.0	1872.8
14°	1766.2	1760.6	1746.8	1749.5	1744.0
15°	1631.8	1637.3	1627.6	1627.6	1618.0
17.5°	1334.0	1328.4	1331.2	1332.6	1328.4
20°	1062.5	1059.7	1056.9	1054.2	1058.3
22.5°	825.6	827.0	824.2	821.4	818.7
25°	631.7	630.3	630.3	630.3	633.1
27.5°	479.3	479.3	479.3	480.7	480.7
30°	362.9	360.2	362.9	364.3	364.3
32.5°	271.5	274.3	275.7	275.7	275.7
35°	210.6	209.2	210.6	211.9	211.9
37.5°	160.7	160.7	162.1	162.1	163.5
40°	124.7	124.7	124.7	126.1	127.4
42.5°	98.4	98.4	99.7	99.7	101.1
45°	79.0	79.0	80.3	80.3	80.3
47.5°	63.7	63.7	65.1	65.1	65.1
50°	52.6	52.6	52.6	52.6	52.6
52.5°	44.3	42.9	44.3	44.3	44.3
55°	36.0	37.4	37.4	37.4	37.4
57.5°	30.5	31.9	31.9	31.9	31.9
60°	26.3	26.3	26.3	27.7	27.7
62.5°	22.2	23.5	23.5	23.5	23.5
65°	19.4	19.4	19.4	19.4	19.4
67.5°	16.6	16.6	16.6	16.6	18.0
70°	13.9	13.9	15.2	15.2	15.2
72.5°	12.5	12.5	12.5	12.5	12.5
75°	9.7	9.7	9.7	9.7	9.7
77.5°	6.9	6.9	8.3	8.3	6.9
80°	5.5	5.5	5.5	5.5	5.5
82.5°	4.2	4.2	4.2	4.2	4.2
85°	1.4	1.4	1.4	1.4	1.4
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)