

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: P1308921

Luminaire Tested: LDSQA3D05R309030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308921  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309030DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

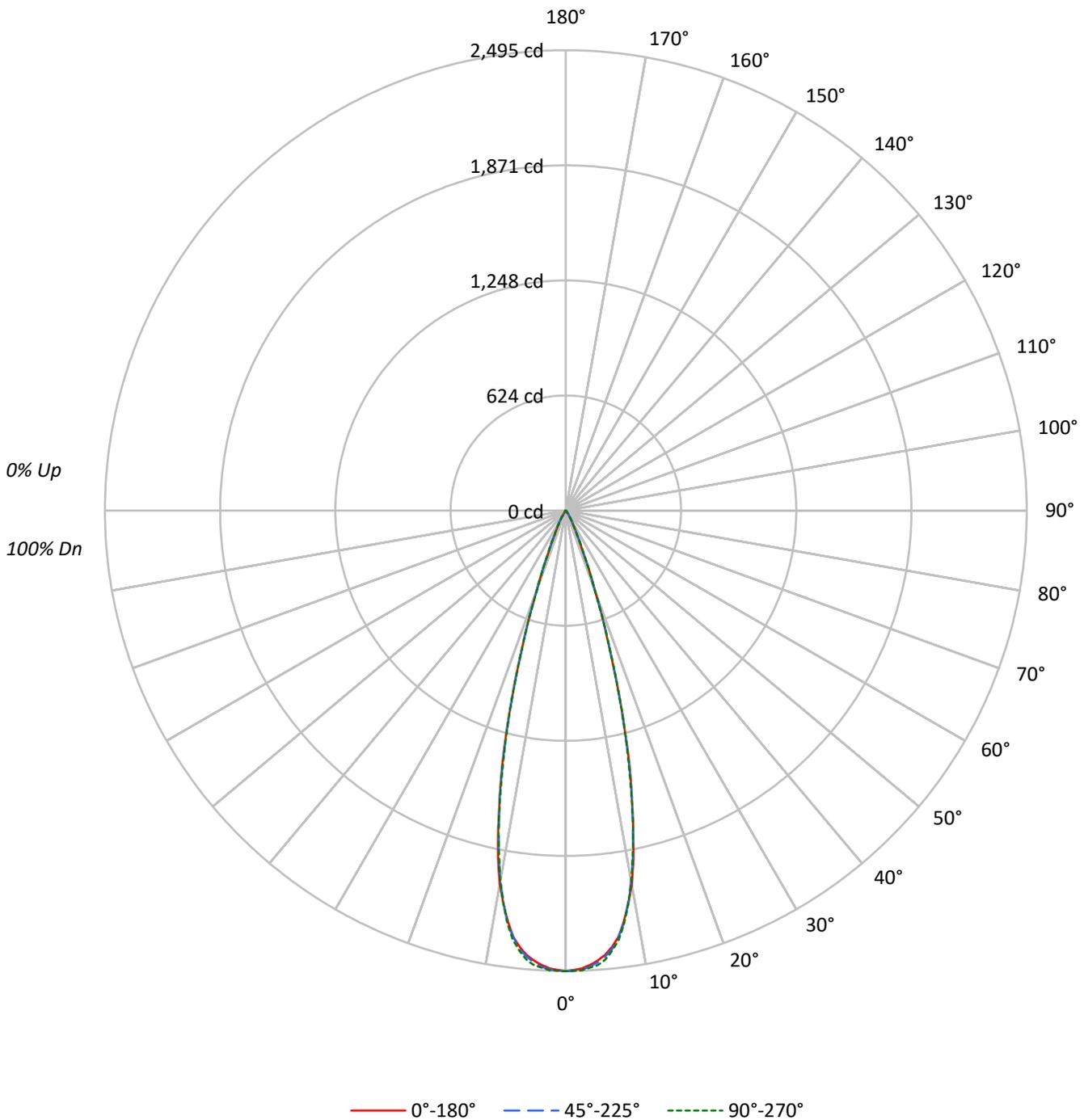
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 649.0 lumens  
Efficiency: N/A  
Efficacy: 90.1 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): 7.2  
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





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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	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

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

	0°	45°	90°
0°	429764	429764	429764
5°	417990	419806	422399
10°	359430	356369	356719
15°	220858	219075	219253
20°	84050	84233	82676
25°	26737	28162	26832
30°	10759	13344	11057
35°	3469	5887	3469
40°	1574	2585	1574
45°	609	1096	609
50°	268	536	268
55°	300	300	300
60°	344	344	344
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1096 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.1	33.9
10°-20°	326.5	50.3
20°-30°	81.1	12.5
30°-40°	16.2	2.5
40°-50°	2.9	0.5
50°-60°	0.9	0.1
60°-70°	0.7	0.1
70°-80°	0.5	0.1
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°	627.8	96.7
0°-40°	644.0	99.2
0°-60°	647.8	99.8
0°-90°	649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2495	2495	2495	2495	2495	
5°	2418	2426	2428	2432	2443	220
15°	1239	1241	1229	1233	1230	328
25°	141	144	148	146	141	79
35°	16	22	28	21	16	13
45°	2	3	4	4	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2495.4	2495.4	2495.4	2495.4	2495.4
1°	2489.9	2492.9	2494.9	2494.9	2494.9
2°	2482.9	2484.9	2487.9	2488.4	2492.4
3°	2466.4	2470.9	2475.9	2478.9	2480.9
4°	2446.3	2452.3	2455.3	2462.9	2469.4
5°	2417.8	2425.8	2428.3	2431.8	2443.3
6°	2379.2	2385.2	2390.3	2391.8	2398.8
7°	2328.2	2331.2	2330.2	2332.7	2345.2
8°	2250.6	2251.6	2260.1	2254.6	2263.1
9°	2158.4	2154.4	2152.4	2156.4	2156.9
10°	2055.3	2041.8	2037.8	2034.3	2039.8
11°	1921.6	1904.1	1905.6	1904.6	1896.6
12°	1755.4	1753.4	1740.4	1742.9	1754.9
13°	1585.7	1589.2	1586.7	1589.7	1576.1
14°	1426.4	1409.4	1413.9	1396.9	1403.4
15°	1238.7	1241.2	1228.7	1232.7	1229.7
17.5°	793.1	798.6	794.6	791.1	796.6
20°	458.6	458.1	459.6	455.1	451.1
22.5°	241.3	244.8	249.3	249.8	252.8
25°	140.7	143.7	148.2	146.2	141.2
27.5°	86.1	91.6	98.6	93.6	87.6
30°	54.1	58.6	67.1	59.1	55.6
32.5°	30.5	37.1	44.1	37.1	30.5
35°	16.5	21.5	28.0	21.0	16.5
37.5°	11.0	12.5	18.5	12.5	11.0
40°	7.0	8.5	11.5	8.5	7.0
42.5°	4.0	5.5	6.5	5.5	4.0
45°	2.5	3.0	4.5	3.5	2.5
47.5°	1.0	1.5	3.0	1.5	1.5
50°	1.0	1.0	2.0	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
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)