

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: P1311525

Luminaire Tested: LDSQA3D13R459040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311525  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R459040DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

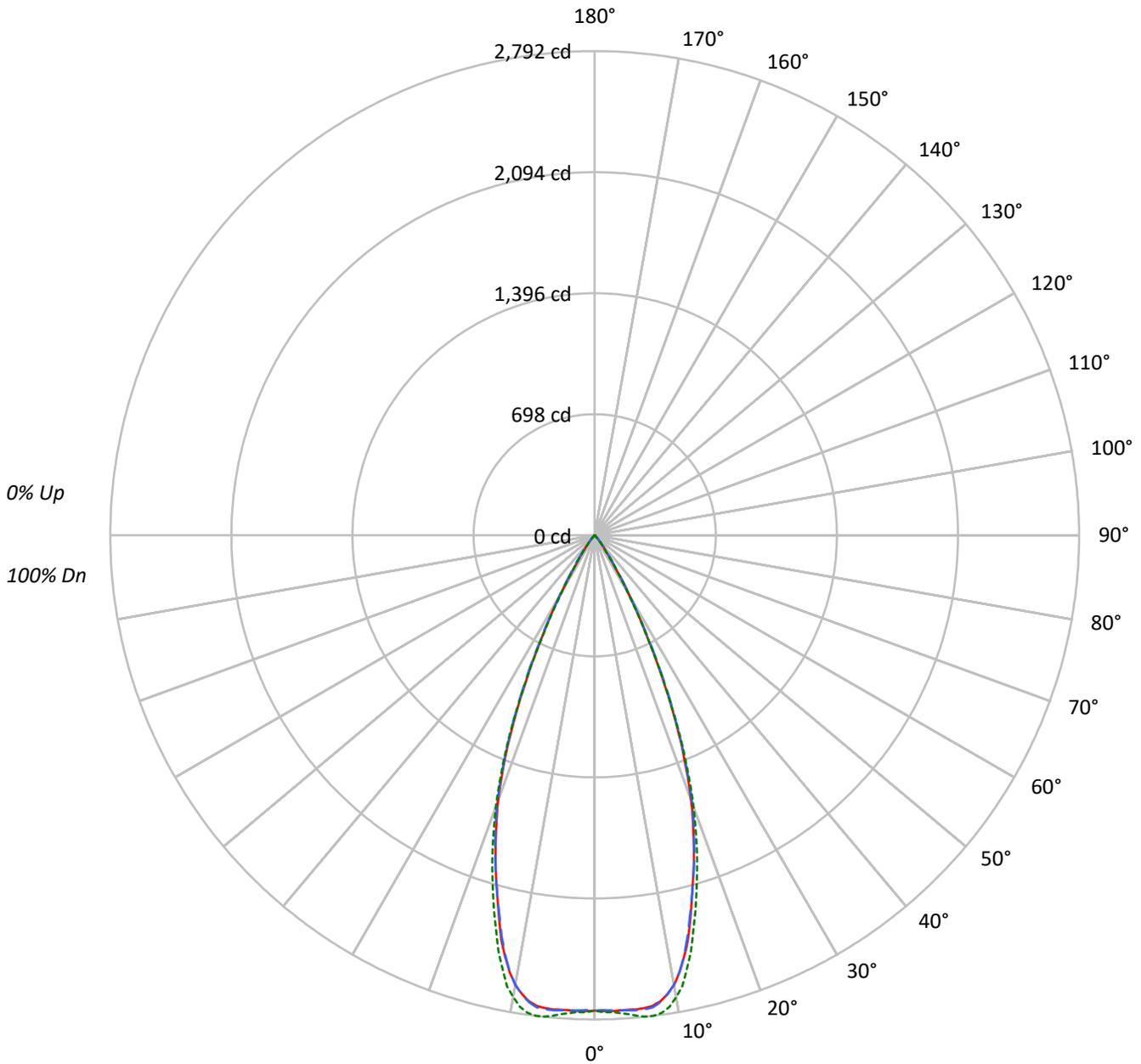
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1418.9 lumens  
Efficiency: N/A  
Efficacy: 97.2 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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	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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	472183	472183	472183
5°	474522	475439	480867
10°	460440	460073	472874
15°	385890	385694	399869
20°	298318	301378	305594
25°	182882	186644	183281
30°	78433	81953	75927
35°	24641	29687	23968
40°	8476	10814	8228
45°	1534	4579	1267
50°	831	1688	831
55°	931	931	931
60°	723	723	723
65°	856	856	856
70°	504	504	504
75°	665	665	665
80°	992	992	992
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 4579 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.6	18.4
10°-20°	602.1	42.4
20°-30°	440.9	31.1
30°-40°	97.4	6.9
40°-50°	11.9	0.8
50°-60°	2.8	0.2
60°-70°	2.0	0.1
70°-80°	1.1	0.1
80°-90°	0.1	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°	1303.6	91.9
0°-40°	1400.9	98.7
0°-60°	1415.7	99.8
0°-90°	1418.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1418.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2742	2742	2742	2742	2742	
5°	2745	2743	2750	2770	2782	259
15°	2164	2153	2163	2216	2243	597
25°	962	961	982	975	964	436
35°	117	123	141	123	114	92
45°	6	10	19	10	5	8
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CATALOG NUMBER: LDSQA3D13R459040DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2741.7	2741.7	2741.7	2741.7	2741.7
1°	2743.8	2739.6	2738.6	2745.9	2751.1
2°	2745.9	2740.7	2741.7	2749.0	2752.2
3°	2743.8	2738.6	2743.8	2754.3	2758.4
4°	2742.7	2740.7	2745.9	2760.5	2767.9
5°	2744.8	2742.7	2750.1	2769.9	2781.5
6°	2741.7	2738.6	2749.0	2774.1	2790.9
7°	2734.4	2731.2	2742.7	2773.1	2791.9
8°	2714.5	2708.2	2719.7	2757.4	2780.4
9°	2678.9	2670.6	2682.1	2726.0	2753.2
10°	2632.9	2623.5	2630.8	2673.7	2704.0
11°	2567.0	2554.5	2562.8	2608.9	2648.6
12°	2483.3	2465.5	2476.0	2528.3	2556.6
13°	2392.3	2375.6	2377.7	2424.7	2464.5
14°	2279.3	2257.4	2266.8	2316.0	2347.3
15°	2164.3	2152.8	2163.2	2215.5	2242.7
17.5°	1900.7	1899.6	1909.0	1947.7	1962.4
20°	1627.7	1630.8	1644.4	1665.3	1667.4
22.5°	1304.4	1305.5	1320.1	1334.8	1331.6
25°	962.4	961.3	982.2	974.9	964.5
27.5°	638.1	642.3	661.1	647.5	637.0
30°	394.4	402.7	412.1	395.4	381.8
32.5°	213.4	227.0	240.6	225.9	212.3
35°	117.2	123.4	141.2	123.4	114.0
37.5°	68.0	71.1	82.6	71.1	64.9
40°	37.7	42.9	48.1	42.9	36.6
42.5°	15.7	24.1	29.3	24.1	15.7
45°	6.3	10.5	18.8	10.5	5.2
47.5°	3.1	4.2	11.5	4.2	3.1
50°	3.1	3.1	6.3	3.1	3.1
52.5°	3.1	3.1	3.1	3.1	3.1
55°	3.1	3.1	3.1	3.1	3.1
57.5°	3.1	3.1	3.1	3.1	3.1
60°	2.1	2.1	2.1	3.1	2.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	2.1	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	1.0	1.0	1.0	2.1	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0
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)