

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: P1318439

Luminaire Tested: LDSQA3D13R709830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318439  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

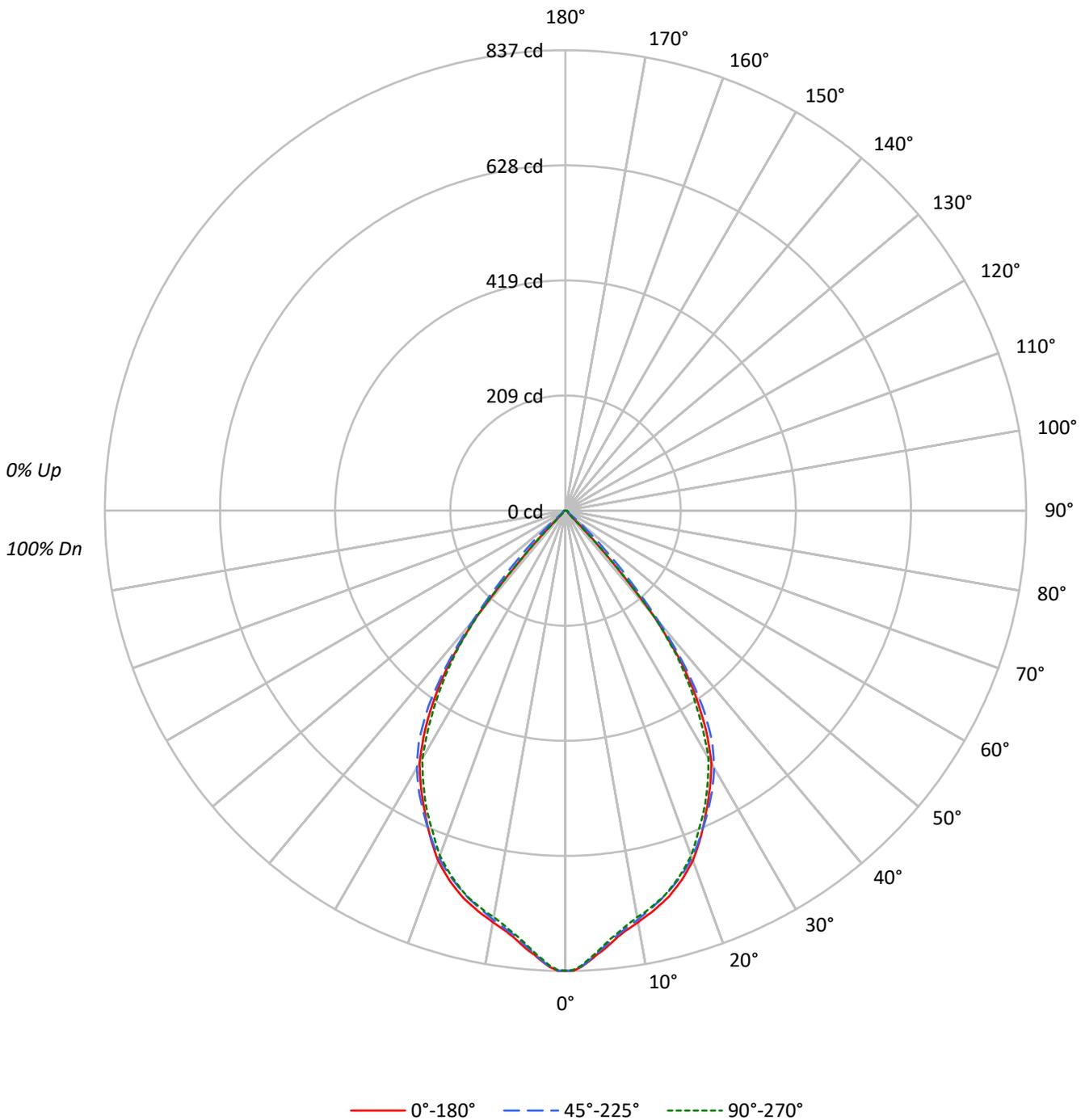
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 891.9 lumens  
Efficiency: N/A  
Efficacy: 61.5 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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				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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

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

	0°	45°	90°
0°	144081	144081	144081
5°	138477	137734	137233
10°	132856	132104	131212
15°	129516	128089	127964
20°	124096	123161	122373
25°	114890	115707	113503
30°	105518	107407	103370
35°	87020	91141	83678
40°	55418	59645	55418
45°	3873	25769	4238
50°	1742	5251	1742
55°	1952	1952	1952
60°	1998	1998	1998
65°	1752	2078	1752
70°	1813	2165	1813
75°	1930	1930	1930
80°	2182	2182	2182
85°	1383	2766	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 25769 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.7	8.4
10°-20°	202.1	22.7
20°-30°	277.8	31.1
30°-40°	254.4	28.5
40°-50°	67.5	7.6
50°-60°	6.0	0.7
60°-70°	4.9	0.5
70°-80°	3.3	0.4
80°-90°	1.2	0.1
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°	554.6	62.2
0°-40°	809.0	90.7
0°-60°	882.6	98.9
0°-90°	891.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	837	837	837	837	837	
5°	801	797	797	795	794	75
15°	726	720	718	718	718	204
25°	605	607	609	602	597	278
35°	414	420	434	414	398	251
45°	16	54	106	55	17	48
55°	6	6	6	6	6	6
65°	4	5	5	5	4	5
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	836.6	836.6	836.6	836.6	836.6
1°	836.6	835.1	836.6	836.6	835.1
2°	830.0	828.6	829.3	828.6	827.9
3°	820.6	818.4	819.2	817.7	816.3
4°	809.7	807.6	807.6	806.8	805.4
5°	801.0	797.4	796.7	795.2	793.8
6°	790.9	787.3	786.5	784.4	782.9
7°	780.8	777.9	777.1	774.2	774.2
8°	772.8	769.2	769.2	765.5	765.5
9°	766.3	761.9	761.9	759.0	757.6
10°	759.7	755.4	755.4	751.8	750.3
11°	753.2	749.6	748.1	746.0	745.2
12°	747.4	742.3	740.9	740.2	738.7
13°	740.2	735.1	733.6	732.9	732.2
14°	733.6	727.1	726.4	724.9	725.7
15°	726.4	719.9	718.4	718.4	717.7
17.5°	703.9	699.6	697.4	695.9	694.5
20°	677.1	673.5	672.0	669.1	667.7
22.5°	642.3	641.6	640.8	637.2	631.4
25°	604.6	606.8	608.9	601.7	597.3
27.5°	568.3	574.1	576.3	569.1	559.6
30°	530.6	535.7	540.1	529.9	519.8
32.5°	476.3	488.6	495.1	483.5	460.3
35°	413.9	420.5	433.5	413.9	398.0
37.5°	341.4	345.1	355.2	342.2	331.3
40°	246.5	257.4	265.3	257.4	246.5
42.5°	110.9	155.1	175.4	163.8	116.0
45°	15.9	54.4	105.8	55.1	17.4
47.5°	6.5	8.7	55.1	8.0	6.5
50°	6.5	6.5	19.6	6.5	6.5
52.5°	6.5	6.5	7.2	6.5	6.5
55°	6.5	6.5	6.5	6.5	6.5
57.5°	5.8	5.8	6.5	5.8	5.8
60°	5.8	5.8	5.8	5.8	5.8
62.5°	5.1	5.8	5.8	5.8	5.1
65°	4.3	5.1	5.1	5.1	4.3
67.5°	4.3	4.3	4.3	4.3	4.3
70°	3.6	4.3	4.3	4.3	3.6
72.5°	3.6	3.6	3.6	3.6	3.6
75°	2.9	2.9	2.9	2.9	2.9
77.5°	2.2	2.9	2.9	2.9	2.2
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	1.4	1.4	1.4	0.7
87.5°	0.7	0.7	0.7	0.7	0.7



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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)