

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: P1313271

Luminaire Tested: LDSQA3D02R709727DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313271  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709727DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

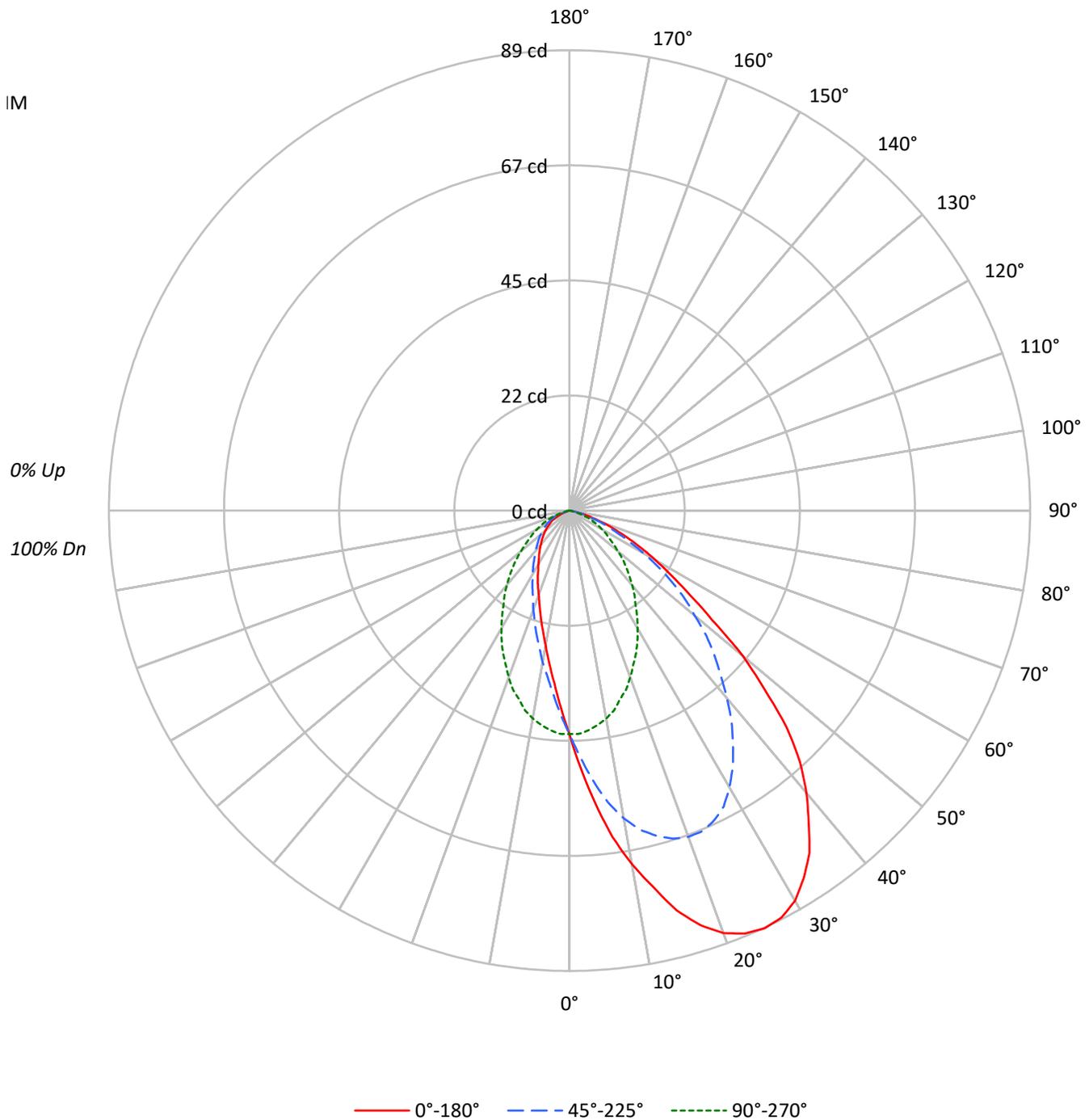
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 97.0 lumens  
Efficiency: N/A  
Efficacy: 26.9 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

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

	0°	45°	90°	135°	180°
0°	7440	7440	7440	7440	7440
5°	9802	9059	7365	6172	5791
10°	12137	10563	7135	5211	4634
15°	14264	11607	6722	4404	3816
20°	15927	12298	6286	3739	3171
25°	16931	12561	5777	3211	2755
30°	17321	12290	5230	2804	2386
35°	16988	11585	4667	2523	2144
40°	16007	10634	4227	2293	1933
45°	14467	9645	3775	2095	1778
50°	11709	8467	3269	1956	1634
55°	8527	7296	2822	1832	1471
60°	6613	5752	2514	1688	1343
65°	4972	4157	2078	1508	978
70°	3474	2971	1561	1108	604
75°	2063	1797	799	532	133
80°	397	595	198	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14467 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.2	4.4
10°-20°	12.6	13.0
20°-30°	19.0	19.6
30°-40°	21.1	21.8
40°-50°	18.7	19.3
50°-60°	12.7	13.1
60°-70°	6.7	6.9
70°-80°	1.9	1.9
80°-90°	0.1	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°	35.8	36.9
0°-40°	57.0	58.7
0°-60°	88.4	91.1
0°-90°	97.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	97.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	57	52	43	36	34	6
15°	80	65	38	25	21	23
25°	89	66	30	17	14	41
35°	81	55	22	12	10	50
45°	59	40	16	9	7	45
55°	28	24	9	6	5	26
65°	12	10	5	4	2	12
75°	3	3	1	1	0	3
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
2.5°	49.8	49.6	49.4	49.4	49.2	49.0	48.5	48.5	48.1	47.7	47.3
5°	56.7	56.7	56.7	56.1	56.1	55.3	54.9	54.1	53.2	52.4	51.4
7.5°	63.6	63.6	63.0	62.8	62.2	61.4	60.8	59.6	58.1	56.9	55.3
10°	69.4	69.4	68.7	68.3	67.1	66.3	65.1	63.6	62.2	60.4	58.3
12.5°	74.5	74.7	73.8	73.0	71.8	70.6	68.9	67.1	65.3	63.2	60.6
15°	80.0	79.8	78.7	77.7	76.3	74.5	72.4	70.0	67.5	65.1	62.2
17.5°	84.0	83.8	82.8	81.6	79.8	77.5	75.3	72.4	69.6	66.5	63.0
20°	86.9	86.7	85.7	84.0	82.2	79.8	77.1	73.8	70.8	67.1	63.2
22.5°	88.5	88.3	87.1	85.7	83.4	80.8	77.9	74.5	71.0	67.1	62.8
25°	89.1	88.7	87.5	85.9	83.6	80.8	77.5	73.8	70.2	66.1	61.6
27.5°	88.7	88.3	86.9	85.1	82.6	79.4	76.1	72.4	68.5	64.5	59.8
30°	87.1	86.5	85.3	83.4	80.8	77.5	74.0	70.2	66.1	61.8	57.1
32.5°	84.2	83.8	82.6	80.6	77.9	74.7	71.2	67.1	63.0	58.7	54.1
35°	80.8	80.0	78.7	76.9	74.3	71.0	67.5	63.2	59.4	55.1	50.6
37.5°	75.9	75.7	74.3	72.8	70.2	66.7	63.4	59.4	55.5	51.4	46.9
40°	71.2	70.8	69.6	67.9	65.3	62.2	58.7	55.1	51.2	47.3	43.2
42.5°	65.9	65.3	64.5	62.8	60.4	57.3	54.1	50.4	46.9	43.2	39.6
45°	59.4	59.2	58.1	57.3	55.1	52.4	49.2	45.9	42.4	39.6	36.7
47.5°	51.0	50.8	50.6	50.0	48.8	46.9	44.5	41.4	38.8	35.9	32.0
50°	43.7	43.4	43.0	42.8	41.8	40.8	39.0	37.1	34.9	31.6	28.6
52.5°	34.7	34.9	35.5	35.7	35.5	34.7	33.9	33.3	30.2	28.2	25.3
55°	28.4	28.4	28.2	28.4	28.6	29.0	29.0	28.2	26.1	24.3	21.8
57.5°	23.3	23.3	23.3	23.3	23.3	23.5	23.5	23.3	22.2	20.4	18.2
60°	19.2	19.0	19.0	19.2	19.0	19.0	19.2	19.2	18.2	16.7	14.7
62.5°	15.5	15.5	15.5	15.3	15.3	15.5	15.5	15.3	14.5	13.1	11.6
65°	12.2	12.2	12.2	12.2	12.2	12.4	12.2	12.0	11.2	10.2	9.2
67.5°	9.4	9.4	9.6	9.4	9.6	9.6	9.6	9.2	8.6	7.8	7.1
70°	6.9	6.9	6.9	7.1	7.3	7.3	7.1	6.7	6.3	5.9	5.3
72.5°	4.7	4.9	4.9	4.9	5.1	5.1	4.9	4.7	4.5	4.1	3.9
75°	3.1	2.9	3.1	3.1	3.3	3.3	3.1	3.1	2.9	2.7	2.4
77.5°	1.4	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.4
80°	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
2.5°	46.9	46.3	45.5	43.2	41.2	39.4	38.4	38.1
5°	50.2	49.4	47.3	42.6	38.8	35.7	33.9	33.5
7.5°	53.6	52.0	49.2	41.8	36.3	32.4	30.4	29.8
10°	56.3	54.3	50.4	40.8	33.9	29.8	27.3	26.5
12.5°	58.1	55.7	51.4	39.6	31.8	26.9	24.5	23.7
15°	59.2	56.5	51.6	37.7	29.4	24.7	22.0	21.4
17.5°	59.6	56.5	51.2	36.3	27.1	22.4	20.0	19.2
20°	59.4	55.7	50.2	34.3	25.1	20.4	18.0	17.3
22.5°	58.5	54.5	48.5	32.2	23.1	18.4	16.3	15.9
25°	57.3	52.8	46.7	30.4	21.2	16.9	14.9	14.5
27.5°	55.3	50.8	44.3	28.4	19.6	15.5	13.7	13.1
30°	52.6	48.3	41.8	26.3	18.0	14.1	12.4	12.0
32.5°	49.8	45.5	39.4	24.3	16.5	13.1	11.4	11.0
35°	46.5	42.4	36.3	22.2	15.1	12.0	10.4	10.2
37.5°	43.2	39.2	33.7	20.6	13.9	11.0	9.6	9.4
40°	39.6	36.3	32.2	18.8	12.9	10.2	9.0	8.6
42.5°	37.3	32.8	27.7	17.1	11.8	9.4	8.2	8.0
45°	32.4	29.2	25.1	15.5	10.8	8.6	7.5	7.3
47.5°	29.2	26.3	22.4	13.9	10.0	8.0	6.9	6.7
50°	25.9	23.3	19.6	12.2	9.2	7.3	6.3	6.1
52.5°	22.6	20.0	16.7	10.8	8.2	6.7	5.7	5.5
55°	19.4	16.9	13.9	9.4	7.3	6.1	5.3	4.9
57.5°	15.9	13.9	11.8	8.4	6.5	5.5	4.7	4.3
60°	12.9	11.6	10.0	7.3	5.7	4.9	4.1	3.9
62.5°	10.4	9.4	8.4	6.3	5.1	4.3	3.7	3.1
65°	8.4	7.8	6.9	5.1	4.3	3.7	3.1	2.4
67.5°	6.5	6.1	5.5	4.3	3.5	3.1	2.2	1.8
70°	5.1	4.7	4.3	3.1	2.7	2.2	1.6	1.2
72.5°	3.7	3.3	3.1	2.2	1.8	1.6	1.0	0.6
75°	2.2	2.2	1.8	1.2	1.0	0.8	0.4	0.2
77.5°	1.2	1.2	1.0	0.6	0.6	0.2	0.0	0.0
80°	0.6	0.4	0.4	0.2	0.2	0.0	0.0	0.0
82.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)