

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: P1318881

Luminaire Tested: LDSQA3D02R709835DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318881  
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: LDSQA3D02R709835DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

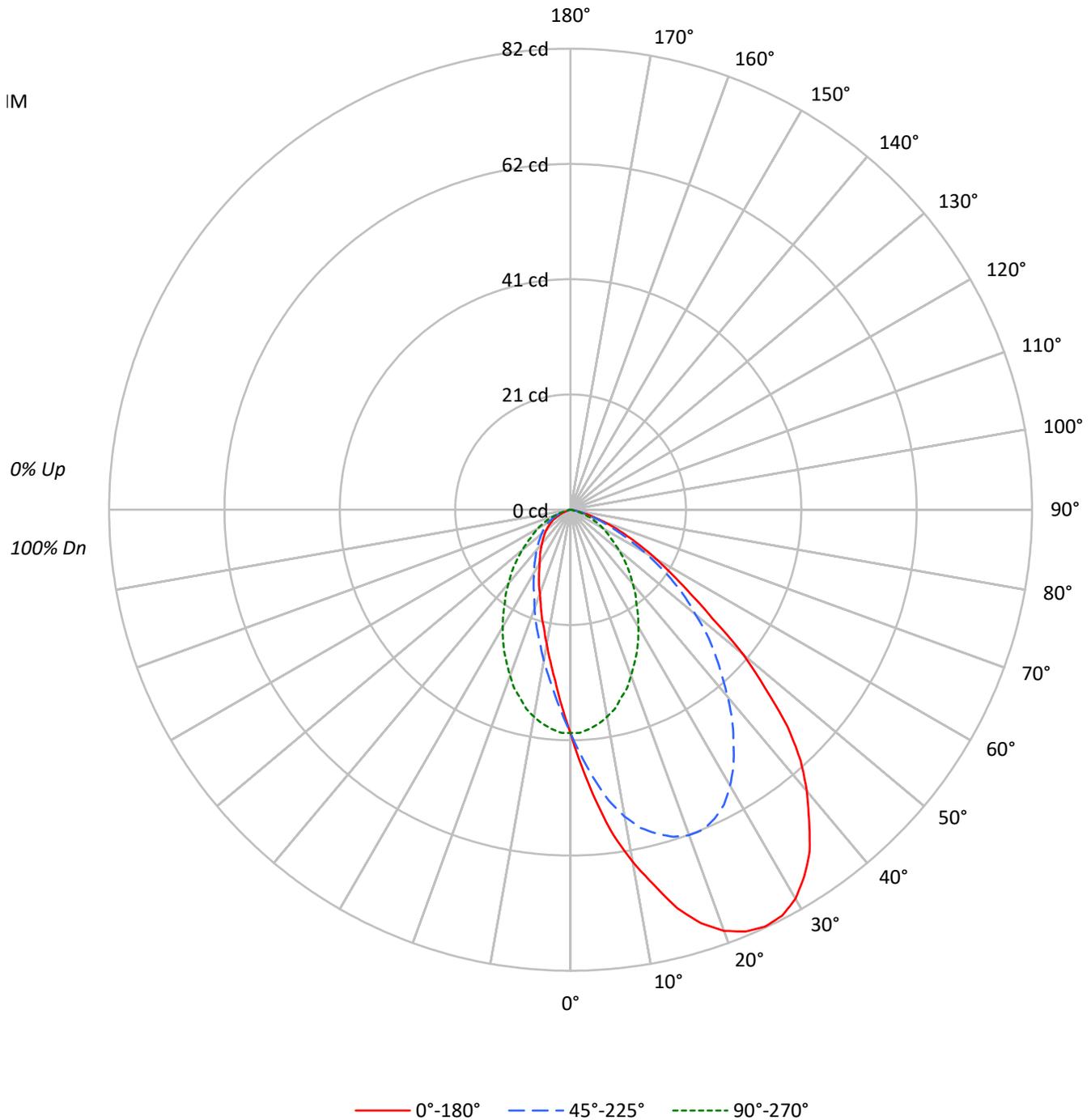
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 89.0 lumens  
Efficiency: N/A  
Efficacy: 24.7 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 (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	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	63	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°	6837	6837	6837	6837	6837
5°	8990	8316	6760	5670	5307
10°	11122	9688	6540	4774	4250
15°	13087	10644	6169	4030	3512
20°	14607	11290	5755	3427	2914
25°	15544	11516	5302	2945	2527
30°	15889	11276	4793	2565	2188
35°	15579	10617	4289	2313	1976
40°	14681	9757	3867	2113	1776
45°	13274	8841	3459	1924	1632
50°	10744	7770	3001	1795	1500
55°	7807	6696	2582	1681	1351
60°	6062	5270	2308	1550	1240
65°	4564	3831	1915	1386	897
70°	3223	2719	1410	1057	554
75°	1863	1597	732	466	133
80°	397	595	198	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13274 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.9	4.4
10°-20°	11.6	13.0
20°-30°	17.4	19.6
30°-40°	19.4	21.8
40°-50°	17.2	19.3
50°-60°	11.7	13.1
60°-70°	6.1	6.9
70°-80°	1.7	2.0
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°	32.9	36.9
0°-40°	52.3	58.7
0°-60°	81.1	91.1
0°-90°	89.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	89.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	52	48	39	33	31	5
15°	73	60	35	23	20	21
25°	82	61	28	16	13	38
35°	74	50	20	11	9	46
45°	54	36	14	8	7	41
55°	26	22	9	6	4	24
65°	11	9	5	3	2	11
75°	3	2	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°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
2.5°	45.7	45.5	45.3	45.3	45.1	44.9	44.5	44.5	44.2	43.8	43.4
5°	52.0	52.0	52.0	51.5	51.5	50.7	50.3	49.6	48.9	48.1	47.2
7.5°	58.4	58.4	57.8	57.6	57.1	56.3	55.8	54.7	53.3	52.2	50.7
10°	63.6	63.6	63.1	62.7	61.6	60.8	59.7	58.4	57.1	55.4	53.5
12.5°	68.3	68.5	67.8	67.0	65.9	64.8	63.3	61.6	59.9	58.0	55.6
15°	73.4	73.2	72.2	71.3	70.0	68.3	66.4	64.2	62.0	59.7	57.1
17.5°	77.1	76.9	76.0	74.9	73.2	71.1	69.1	66.4	63.8	61.0	57.8
20°	79.7	79.5	78.6	77.1	75.4	73.2	70.7	67.8	64.9	61.6	58.0
22.5°	81.2	81.0	79.9	78.6	76.6	74.1	71.5	68.3	65.1	61.6	57.6
25°	81.8	81.4	80.3	78.8	76.7	74.1	71.1	67.8	64.4	60.6	56.5
27.5°	81.4	81.0	79.7	78.0	75.8	72.8	69.8	66.4	62.9	59.1	54.8
30°	79.9	79.4	78.2	76.6	74.1	71.1	67.9	64.4	60.6	56.7	52.4
32.5°	77.3	76.9	75.8	73.9	71.5	68.5	65.3	61.6	57.8	53.9	49.6
35°	74.1	73.4	72.2	70.6	68.1	65.1	62.0	58.0	54.5	50.5	46.4
37.5°	69.6	69.4	68.1	66.8	64.4	61.2	58.2	54.5	50.9	47.2	43.0
40°	65.3	64.9	63.8	62.3	59.9	57.1	53.9	50.5	47.0	43.4	39.7
42.5°	60.5	59.9	59.1	57.6	55.4	52.6	49.6	46.2	43.0	39.7	36.3
45°	54.5	54.3	53.3	52.6	50.5	48.1	45.1	42.1	38.9	36.3	33.7
47.5°	46.8	46.6	46.4	45.9	44.7	43.0	40.8	38.0	35.6	32.9	29.4
50°	40.1	39.9	39.5	39.3	38.4	37.4	35.7	34.1	32.0	29.0	26.2
52.5°	31.8	32.0	32.6	32.8	32.6	31.8	31.1	30.5	27.7	25.8	23.2
55°	26.0	26.0	25.8	26.0	26.2	26.6	26.6	25.8	24.0	22.3	20.0
57.5°	21.3	21.3	21.3	21.3	21.3	21.5	21.5	21.3	20.4	18.7	16.7
60°	17.6	17.4	17.4	17.6	17.4	17.4	17.6	17.6	16.7	15.3	13.5
62.5°	14.2	14.2	14.2	14.0	14.0	14.2	14.2	14.0	13.3	12.0	10.7
65°	11.2	11.2	11.2	11.2	11.2	11.4	11.2	11.0	10.3	9.4	8.4
67.5°	8.6	8.6	8.8	8.6	8.8	8.8	8.8	8.4	7.9	7.1	6.6
70°	6.4	6.4	6.4	6.6	6.7	6.7	6.6	6.2	5.8	5.4	4.9
72.5°	4.3	4.5	4.5	4.5	4.7	4.7	4.5	4.3	4.1	3.7	3.6
75°	2.8	2.6	2.8	2.8	3.0	3.0	2.8	2.8	2.6	2.4	2.2
77.5°	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.3
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°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
2.5°	43.0	42.5	41.7	39.7	37.8	36.1	35.2	35.0
5°	46.0	45.3	43.4	39.1	35.6	32.8	31.1	30.7
7.5°	49.2	47.7	45.1	38.4	33.3	29.8	27.9	27.3
10°	51.7	49.8	46.2	37.4	31.1	27.3	25.1	24.3
12.5°	53.3	51.1	47.2	36.3	29.2	24.7	22.5	21.7
15°	54.3	51.8	47.4	34.6	27.0	22.6	20.2	19.7
17.5°	54.7	51.8	47.0	33.3	24.9	20.6	18.3	17.6
20°	54.5	51.1	46.0	31.4	23.0	18.7	16.5	15.9
22.5°	53.7	50.0	44.5	29.6	21.1	16.8	15.0	14.6
25°	52.6	48.5	42.9	27.9	19.5	15.5	13.7	13.3
27.5°	50.7	46.6	40.6	26.0	18.0	14.2	12.5	12.0
30°	48.3	44.4	38.4	24.1	16.5	12.9	11.4	11.0
32.5°	45.7	41.7	36.1	22.3	15.2	12.0	10.5	10.1
35°	42.7	38.9	33.3	20.4	13.9	11.0	9.5	9.4
37.5°	39.7	35.9	30.9	18.9	12.7	10.1	8.8	8.6
40°	36.3	33.3	29.6	17.2	11.8	9.4	8.2	7.9
42.5°	34.3	30.1	25.5	15.7	10.9	8.6	7.5	7.3
45°	29.8	26.8	23.0	14.2	9.9	7.9	6.9	6.7
47.5°	26.8	24.1	20.6	12.7	9.2	7.3	6.4	6.2
50°	23.8	21.3	18.0	11.2	8.4	6.7	5.8	5.6
52.5°	20.8	18.3	15.3	9.9	7.5	6.2	5.2	5.1
55°	17.8	15.5	12.7	8.6	6.7	5.6	4.9	4.5
57.5°	14.6	12.7	10.9	7.7	6.0	5.1	4.3	3.9
60°	11.8	10.7	9.2	6.7	5.2	4.5	3.7	3.6
62.5°	9.5	8.6	7.7	5.8	4.7	3.9	3.4	2.8
65°	7.7	7.1	6.4	4.7	3.9	3.4	2.8	2.2
67.5°	6.0	5.6	5.1	3.9	3.2	2.8	2.1	1.7
70°	4.7	4.3	3.9	2.8	2.4	2.1	1.5	1.1
72.5°	3.4	3.0	2.8	2.1	1.7	1.5	0.9	0.6
75°	2.1	2.1	1.7	1.1	0.9	0.7	0.4	0.2
77.5°	1.1	1.1	0.9	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)