

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: P1314245

Luminaire Tested: LDSQA3D02R709730DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709730DE010 3LSQCLSWWR 1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLSWWR 1MW TF  
Light Source: -  
Ballast/Driver: -

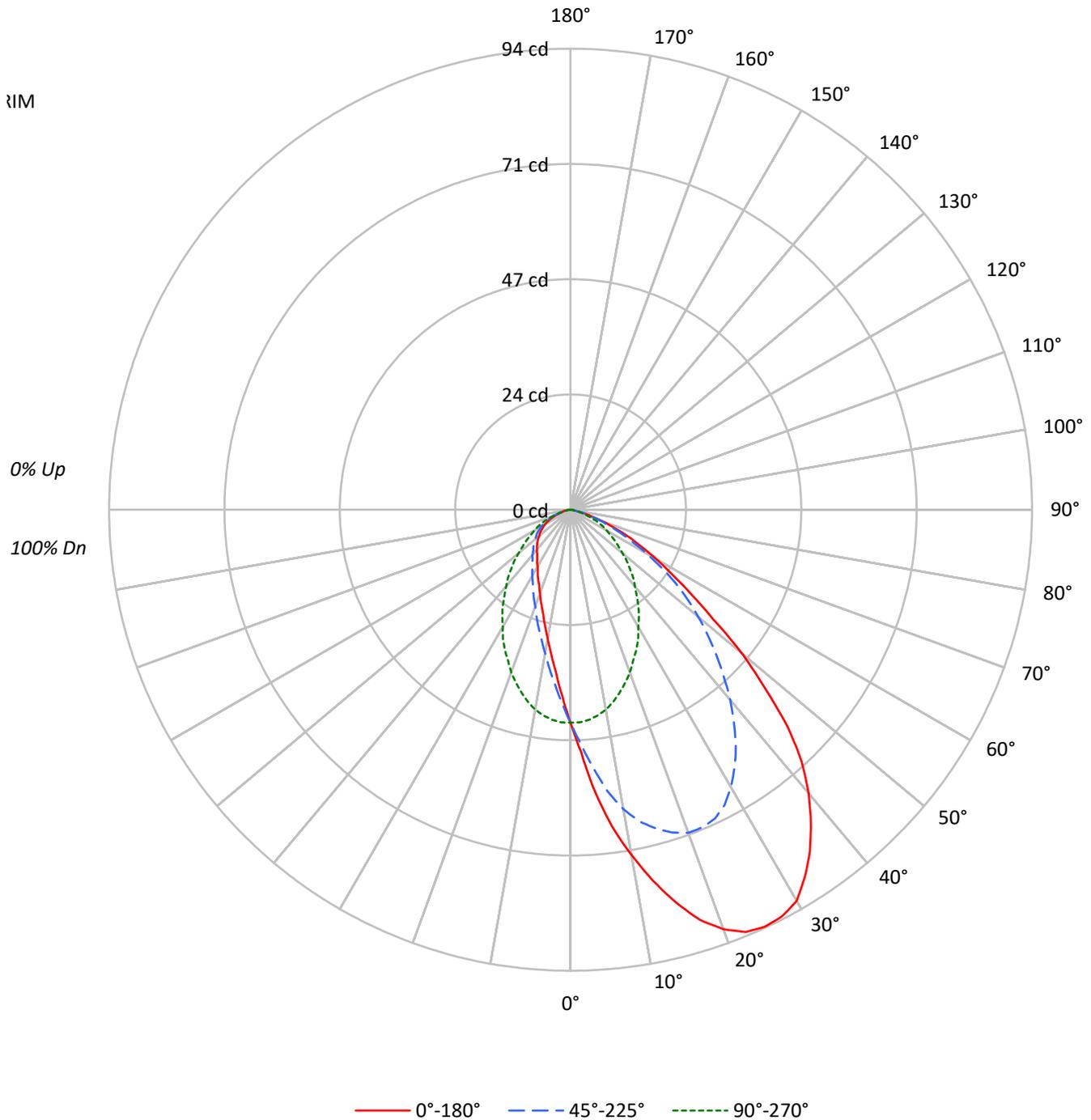
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 106.0 lumens  
Efficiency: N/A  
Efficacy: 29.4 lumens/watt  
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33  
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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	90	90	88	
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	78	78	78	76	
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	68	68	66	
4	87	76	68	63	85	75	68	62	73	66	61	70	65	60	68	64	60	60	60	60	58	
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	53	53	51	
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	47	47	45	
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	42	42	40	
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	38	38	36	
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	35	35	33	
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	32	32	30	

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

	0°	45°	90°	135°	180°
0°	7474	7474	7474	7474	7474
5°	10010	9128	7434	6206	5791
10°	12504	10843	7240	5211	4669
15°	14781	11999	6882	4457	3869
20°	16678	12848	6470	3849	3336
25°	17825	13207	6005	3420	2964
30°	18316	12986	5489	3102	2665
35°	17871	12341	5067	2859	2481
40°	16951	11376	4586	2720	2406
45°	15222	10254	4165	2606	2338
50°	12218	9110	3697	2519	2224
55°	9008	7837	3303	2492	2162
60°	6958	6131	2928	2411	2101
65°	5257	4564	2608	2241	1875
70°	3525	3223	1964	1964	1561
75°	1863	1863	1331	1331	1198
80°	397	893	694	893	1091
85°	0	395	395	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15222 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.3	4.0
10°-20°	13.0	12.3
20°-30°	20.1	18.9
30°-40°	22.8	21.5
40°-50°	20.6	19.4
50°-60°	14.4	13.6
60°-70°	7.9	7.5
70°-80°	2.6	2.5
80°-90°	0.3	0.3
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°	37.3	35.2
0°-40°	60.1	56.7
0°-60°	95.1	89.7
0°-90°	106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	106.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	58	53	43	36	34	6
15°	83	67	39	25	22	24
25°	94	70	32	18	16	43
35°	85	59	24	14	12	53
45°	62	42	17	11	10	47
55°	30	26	11	8	7	28
65°	13	11	6	6	5	13
75°	3	3	2	2	2	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°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	49.5	50.0	50.2	49.8	49.5	49.3	48.9	48.7	48.2	47.8	47.6
5°	57.9	57.9	57.9	57.4	56.8	56.3	55.5	54.8	53.7	52.8	51.9
7.5°	65.3	65.3	65.1	64.4	64.0	62.9	61.8	60.9	59.2	57.9	56.1
10°	71.5	71.5	71.2	70.1	69.5	68.2	67.1	65.5	63.8	62.0	60.1
12.5°	77.4	77.4	76.5	75.6	74.3	72.6	71.0	69.5	67.1	65.1	62.7
15°	82.9	82.9	82.4	80.9	79.1	77.2	75.0	72.8	69.9	67.3	64.7
17.5°	87.7	87.5	86.8	85.0	83.3	80.9	78.3	75.6	72.1	69.0	65.8
20°	91.0	91.0	90.1	88.1	86.1	83.5	80.7	77.6	73.9	70.1	66.2
22.5°	93.2	92.9	92.1	90.1	87.7	85.0	81.8	78.5	74.3	70.1	66.0
25°	93.8	93.6	92.7	90.5	88.1	85.3	81.8	78.3	73.9	69.5	64.9
27.5°	93.4	93.2	92.3	89.9	87.5	84.2	80.7	76.9	72.6	67.9	63.3
30°	92.1	91.4	90.5	88.3	85.7	82.4	78.7	74.5	70.1	65.3	60.7
32.5°	88.8	88.8	87.7	85.5	82.9	79.3	75.6	71.7	66.9	62.2	57.4
35°	85.0	84.8	83.9	81.5	79.1	75.8	72.1	67.9	63.3	58.7	54.1
37.5°	80.4	80.2	79.3	77.2	74.5	71.5	67.5	63.6	59.2	54.6	50.4
40°	75.4	75.0	73.9	72.1	69.9	66.4	62.9	59.0	54.8	50.6	46.5
42.5°	69.7	69.3	68.4	67.1	64.4	61.4	58.1	54.4	50.4	46.2	43.2
45°	62.5	62.5	62.0	60.7	58.7	56.3	52.8	49.5	45.8	42.1	38.8
47.5°	53.5	53.9	53.7	53.0	52.2	50.0	47.6	44.7	41.2	37.9	34.9
50°	45.6	45.8	46.0	45.6	44.9	43.4	41.9	40.1	37.0	34.0	31.1
52.5°	36.6	37.3	37.3	37.5	37.5	37.0	36.6	34.6	33.1	30.0	27.4
55°	30.0	30.0	30.0	30.5	30.7	30.9	30.5	30.0	28.3	26.1	23.7
57.5°	24.5	24.5	25.0	24.8	24.8	25.2	25.2	25.0	23.9	21.9	19.7
60°	20.2	20.2	20.2	20.2	20.4	20.4	20.4	20.4	19.5	17.8	16.0
62.5°	16.2	16.2	16.2	16.4	16.4	16.4	16.7	16.4	15.6	14.2	12.7
65°	12.9	12.7	12.9	12.9	13.2	13.2	13.2	12.9	12.1	11.2	10.1
67.5°	9.6	9.9	9.9	9.9	10.1	10.3	10.1	9.9	9.2	8.3	7.9
70°	7.0	7.2	7.2	7.2	7.5	7.7	7.5	7.2	6.8	6.4	5.9
72.5°	4.6	4.8	4.8	5.0	5.3	5.3	5.0	5.0	4.8	4.4	4.2
75°	2.8	2.8	3.1	3.1	3.3	3.3	3.3	3.1	3.1	2.8	2.8
77.5°	1.3	1.3	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8	1.5
80°	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.9	0.9	0.9
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
2.5°	47.1	46.5	45.6	43.4	41.2	39.5	38.4	38.1
5°	50.9	49.8	47.8	43.0	39.0	35.9	34.2	33.5
7.5°	54.6	52.6	49.8	42.3	36.4	32.7	30.7	29.8
10°	57.6	55.2	51.5	41.4	34.2	29.8	27.4	26.7
12.5°	60.1	57.2	52.6	40.1	32.0	27.2	24.8	24.1
15°	61.6	58.5	53.3	38.6	29.8	25.0	22.6	21.7
17.5°	62.2	58.5	53.0	37.0	27.8	23.0	20.6	19.9
20°	62.2	58.1	52.4	35.3	25.9	21.0	18.9	18.2
22.5°	61.6	57.2	50.9	33.3	24.1	19.5	17.3	16.7
25°	60.3	55.5	49.1	31.6	22.4	18.0	16.0	15.6
27.5°	58.3	53.5	46.9	29.8	20.8	16.7	14.9	14.5
30°	55.9	51.1	44.5	27.6	19.3	15.6	14.0	13.4
32.5°	52.8	48.2	41.9	25.9	18.0	14.5	13.2	12.7
35°	49.5	45.4	39.0	24.1	16.7	13.6	12.3	11.8
37.5°	46.2	41.9	36.6	22.1	15.6	12.7	11.6	11.2
40°	42.7	39.5	34.0	20.4	14.7	12.1	11.0	10.7
42.5°	39.2	35.7	30.2	18.9	13.6	11.2	10.3	10.1
45°	35.1	31.8	27.4	17.1	12.7	10.7	9.9	9.6
47.5°	31.6	28.5	24.5	15.6	11.8	10.1	9.2	9.0
50°	28.3	25.2	21.5	13.8	11.0	9.4	8.8	8.3
52.5°	24.5	21.9	18.6	12.3	10.1	8.8	8.1	7.9
55°	21.3	18.6	15.6	11.0	9.2	8.3	7.5	7.2
57.5°	17.5	15.3	13.2	9.6	8.3	7.5	7.0	6.6
60°	14.2	12.7	11.2	8.5	7.5	7.0	6.4	6.1
62.5°	11.6	10.5	9.4	7.5	6.6	6.1	5.7	5.3
65°	9.2	8.5	7.7	6.4	5.7	5.5	5.0	4.6
67.5°	7.2	6.8	6.1	5.0	4.8	4.6	4.2	3.7
70°	5.5	5.3	4.8	3.9	3.7	3.9	3.5	3.1
72.5°	3.9	3.7	3.5	2.8	2.8	2.8	2.6	2.2
75°	2.6	2.4	2.2	2.0	2.0	2.0	2.0	1.8
77.5°	1.5	1.5	1.3	1.1	1.3	1.3	1.5	1.5
80°	0.7	0.7	0.7	0.7	0.9	0.9	1.1	1.1
82.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)