

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: P1313439

Luminaire Tested: LDSQA3D05R709727DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313439  
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: LDSQA3D05R709727DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

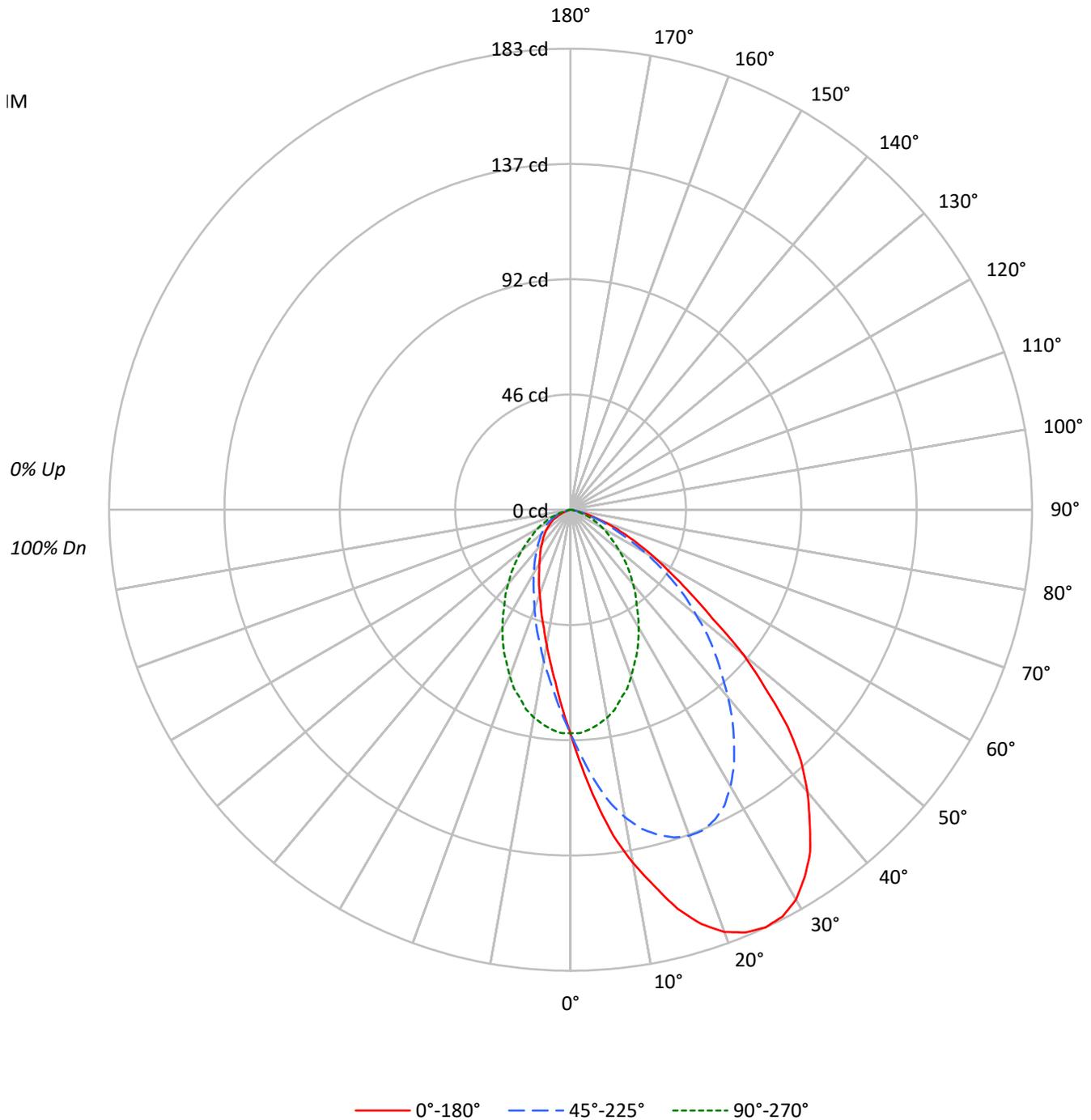
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 199.0 lumens  
Efficiency: N/A  
Efficacy: 27.6 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): 7.2  
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°	15276	15276	15276	15276	15276
5°	20106	18602	15127	12655	11860
10°	24885	21668	14637	10685	9513
15°	29241	23803	13800	9022	7827
20°	32678	25237	12884	7661	6525
25°	34756	25768	11858	6594	5644
30°	35537	25216	10739	5747	4912
35°	34838	23758	9587	5193	4394
40°	32846	21830	8656	4699	3957
45°	29666	19777	7745	4287	3678
50°	24007	17389	6725	4046	3376
55°	17475	14953	5795	3783	3003
60°	13537	11814	5201	3444	2756
65°	10229	8517	4279	3056	2038
70°	7150	6093	3172	2316	1259
75°	4192	3593	1664	1131	266
80°	793	1289	397	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 29666 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.7	4.4
10°-20°	25.9	13.0
20°-30°	39.0	19.6
30°-40°	43.3	21.8
40°-50°	38.4	19.3
50°-60°	26.1	13.1
60°-70°	13.7	6.9
70°-80°	3.9	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°	73.5	36.9
0°-40°	116.9	58.7
0°-60°	181.3	91.1
0°-90°	199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	199.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	89	89	89	89	89	
5°	116	108	88	73	69	12
15°	164	134	77	51	44	47
25°	183	136	62	35	30	84
35°	166	113	46	25	21	103
45°	122	81	32	18	15	92
55°	58	50	19	13	10	54
65°	25	21	10	8	5	25
75°	6	5	2	2	0	7
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°	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2.5°	102.1	101.7	101.3	101.3	100.9	100.4	99.6	99.6	98.8	97.9	97.1
5°	116.3	116.3	116.3	115.1	115.1	113.4	112.6	110.9	109.2	107.6	105.5
7.5°	130.6	130.6	129.3	128.9	127.6	126.0	124.7	122.2	119.3	116.8	113.4
10°	142.3	142.3	141.0	140.2	137.7	136.0	133.5	130.6	127.6	123.9	119.7
12.5°	152.8	153.2	151.5	149.8	147.3	144.8	141.5	137.7	133.9	129.7	124.3
15°	164.0	163.6	161.5	159.4	156.5	152.8	148.6	143.5	138.5	133.5	127.6
17.5°	172.4	172.0	169.9	167.4	163.6	159.0	154.4	148.6	142.7	136.4	129.3
20°	178.3	177.9	175.8	172.4	168.7	163.6	158.2	151.5	145.2	137.7	129.7
22.5°	181.6	181.2	178.7	175.8	171.2	165.7	159.9	152.8	145.6	137.7	128.9
25°	182.9	182.0	179.5	176.2	171.6	165.7	159.0	151.5	144.0	135.6	126.4
27.5°	182.0	181.2	178.3	174.5	169.5	162.8	156.1	148.6	140.6	132.2	122.6
30°	178.7	177.4	174.9	171.2	165.7	159.0	151.9	144.0	135.6	126.8	117.2
32.5°	172.8	172.0	169.5	165.3	159.9	153.2	146.1	137.7	129.3	120.5	110.9
35°	165.7	164.0	161.5	157.8	152.3	145.6	138.5	129.7	121.8	113.0	103.8
37.5°	155.7	155.3	152.3	149.4	144.0	136.8	130.2	121.8	113.8	105.5	96.3
40°	146.1	145.2	142.7	139.4	133.9	127.6	120.5	113.0	105.0	97.1	88.7
42.5°	135.2	133.9	132.2	128.9	123.9	117.6	110.9	103.4	96.3	88.7	81.2
45°	121.8	121.4	119.3	117.6	113.0	107.6	100.9	94.2	87.0	81.2	75.3
47.5°	104.6	104.2	103.8	102.5	100.0	96.3	91.2	85.0	79.5	73.7	65.7
50°	89.6	89.1	88.3	87.9	85.8	83.7	79.9	76.2	71.6	64.9	58.6
52.5°	71.1	71.6	72.8	73.2	72.8	71.1	69.5	68.2	61.9	57.8	51.9
55°	58.2	58.2	57.8	58.2	58.6	59.4	59.4	57.8	53.6	49.8	44.8
57.5°	47.7	47.7	47.7	47.7	47.7	48.1	48.1	47.7	45.6	41.8	37.2
60°	39.3	38.9	38.9	39.3	38.9	38.9	39.3	39.3	37.2	34.3	30.1
62.5°	31.8	31.8	31.8	31.4	31.4	31.8	31.8	31.4	29.7	26.8	23.9
65°	25.1	25.1	25.1	25.1	25.1	25.5	25.1	24.7	23.0	20.9	18.8
67.5°	19.3	19.3	19.7	19.3	19.7	19.7	19.7	18.8	17.6	15.9	14.6
70°	14.2	14.2	14.2	14.6	15.1	15.1	14.6	13.8	13.0	12.1	10.9
72.5°	9.6	10.0	10.0	10.0	10.5	10.5	10.0	9.6	9.2	8.4	8.0
75°	6.3	5.9	6.3	6.3	6.7	6.7	6.3	6.3	5.9	5.4	5.0
77.5°	2.9	2.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.9	2.9
80°	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2.5°	96.3	95.0	93.3	88.7	84.5	80.8	78.7	78.3
5°	102.9	101.3	97.1	87.5	79.5	73.2	69.5	68.6
7.5°	110.1	106.7	100.9	85.8	74.5	66.5	62.4	61.1
10°	115.5	111.3	103.4	83.7	69.5	61.1	56.1	54.4
12.5°	119.3	114.2	105.5	81.2	65.3	55.2	50.2	48.5
15°	121.4	115.9	105.9	77.4	60.3	50.6	45.2	43.9
17.5°	122.2	115.9	105.0	74.5	55.7	46.0	41.0	39.3
20°	121.8	114.2	102.9	70.3	51.5	41.8	36.8	35.6
22.5°	120.1	111.7	99.6	66.1	47.3	37.7	33.5	32.6
25°	117.6	108.4	95.8	62.4	43.5	34.7	30.6	29.7
27.5°	113.4	104.2	90.8	58.2	40.2	31.8	28.0	26.8
30°	108.0	99.2	85.8	54.0	36.8	28.9	25.5	24.7
32.5°	102.1	93.3	80.8	49.8	33.9	26.8	23.4	22.6
35°	95.4	87.0	74.5	45.6	31.0	24.7	21.3	20.9
37.5°	88.7	80.4	69.1	42.3	28.5	22.6	19.7	19.3
40°	81.2	74.5	66.1	38.5	26.4	20.9	18.4	17.6
42.5°	76.6	67.4	56.9	35.2	24.3	19.3	16.7	16.3
45°	66.5	59.8	51.5	31.8	22.2	17.6	15.5	15.1
47.5°	59.8	54.0	46.0	28.5	20.5	16.3	14.2	13.8
50°	53.1	47.7	40.2	25.1	18.8	15.1	13.0	12.6
52.5°	46.5	41.0	34.3	22.2	16.7	13.8	11.7	11.3
55°	39.8	34.7	28.5	19.3	15.1	12.6	10.9	10.0
57.5°	32.6	28.5	24.3	17.2	13.4	11.3	9.6	8.8
60°	26.4	23.9	20.5	15.1	11.7	10.0	8.4	8.0
62.5°	21.3	19.3	17.2	13.0	10.5	8.8	7.5	6.3
65°	17.2	15.9	14.2	10.5	8.8	7.5	6.3	5.0
67.5°	13.4	12.6	11.3	8.8	7.1	6.3	4.6	3.8
70°	10.5	9.6	8.8	6.3	5.4	4.6	3.3	2.5
72.5°	7.5	6.7	6.3	4.6	3.8	3.3	2.1	1.3
75°	4.6	4.6	3.8	2.5	2.1	1.7	0.8	0.4
77.5°	2.5	2.5	2.1	1.3	1.3	0.4	0.0	0.0
80°	1.3	0.8	0.8	0.4	0.4	0.0	0.0	0.0
82.5°	0.4	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)