

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: P1308840

Luminaire Tested: LDSQA3D02R709030DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308840  
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: LDSQA3D02R709030DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

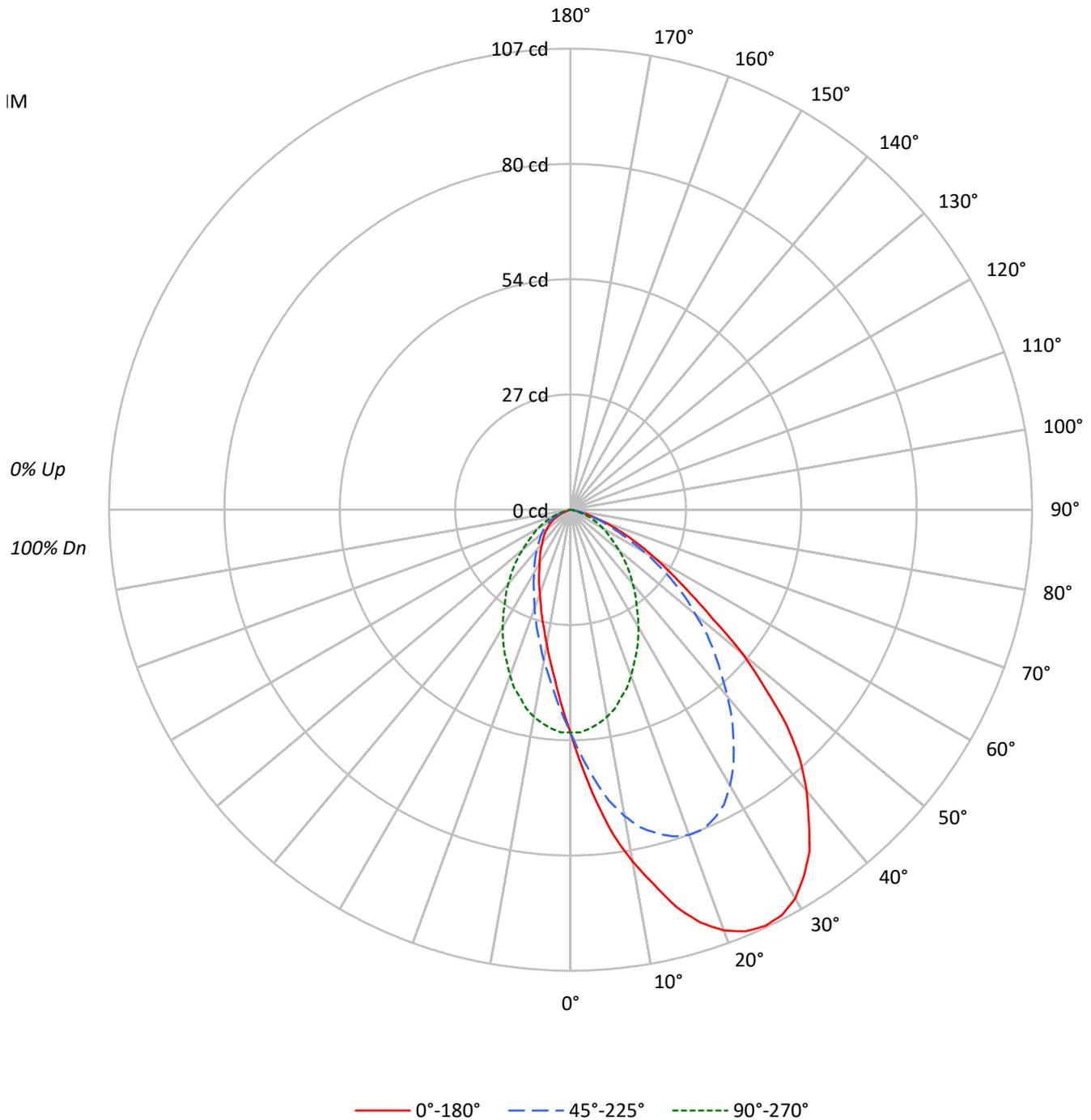
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 116.0 lumens  
Efficiency: N/A  
Efficacy: 32.2 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	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°	8904	8904	8904	8904	8904
5°	11721	10840	8817	7382	6915
10°	14498	12626	8534	6226	5544
15°	17045	13872	8041	5260	4564
20°	19042	14717	7514	4472	3794
25°	20257	15012	6898	3839	3287
30°	20722	14696	6264	3341	2864
35°	20310	13855	5593	3028	2565
40°	19132	12725	5036	2743	2293
45°	17293	11520	4506	2484	2143
50°	13986	10128	3912	2358	1956
55°	10179	8708	3363	2192	1772
60°	7888	6889	3031	2032	1584
65°	5950	4972	2486	1793	1182
70°	4179	3575	1863	1360	755
75°	2462	2129	998	665	133
80°	496	694	198	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 17293 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.1	4.4
10°-20°	15.1	13.0
20°-30°	22.7	19.6
30°-40°	25.3	21.8
40°-50°	22.4	19.3
50°-60°	15.2	13.1
60°-70°	8.0	6.9
70°-80°	2.3	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
<b>0°-30°</b>	<b>42.9</b>	<b>36.9</b>
<b>0°-40°</b>	<b>68.1</b>	<b>58.7</b>
<b>0°-60°</b>	<b>105.7</b>	<b>91.1</b>
<b>0°-90°</b>	<b>116.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>116.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	52	52	52	52	52	
5°	68	63	51	43	40	7
15°	96	78	45	30	26	27
25°	107	79	36	20	17	49
35°	97	66	27	14	12	60
45°	71	47	18	10	9	54
55°	34	29	11	7	6	31
65°	15	12	6	4	3	15
75°	4	3	2	1	0	4
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°	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
2.5°	59.5	59.3	59.0	59.0	58.8	58.5	58.1	58.1	57.6	57.1	56.6
5°	67.8	67.8	67.8	67.1	67.1	66.1	65.6	64.6	63.7	62.7	61.5
7.5°	76.1	76.1	75.4	75.1	74.4	73.4	72.7	71.2	69.5	68.1	66.1
10°	82.9	82.9	82.2	81.7	80.3	79.3	77.8	76.1	74.4	72.2	69.8
12.5°	89.0	89.3	88.3	87.3	85.9	84.4	82.5	80.3	78.1	75.6	72.5
15°	95.6	95.4	94.2	92.9	91.2	89.0	86.6	83.7	80.7	77.8	74.4
17.5°	100.5	100.3	99.0	97.6	95.4	92.7	90.0	86.6	83.2	79.5	75.4
20°	103.9	103.7	102.5	100.5	98.3	95.4	92.2	88.3	84.6	80.3	75.6
22.5°	105.9	105.6	104.2	102.5	99.8	96.6	93.2	89.0	84.9	80.3	75.1
25°	106.6	106.1	104.7	102.7	100.0	96.6	92.7	88.3	83.9	79.0	73.7
27.5°	106.1	105.6	103.9	101.7	98.8	94.9	91.0	86.6	82.0	77.1	71.5
30°	104.2	103.4	102.0	99.8	96.6	92.7	88.6	83.9	79.0	73.9	68.3
32.5°	100.7	100.3	98.8	96.4	93.2	89.3	85.1	80.3	75.4	70.3	64.6
35°	96.6	95.6	94.2	92.0	88.8	84.9	80.7	75.6	71.0	65.9	60.5
37.5°	90.7	90.5	88.8	87.1	83.9	79.8	75.9	71.0	66.4	61.5	56.1
40°	85.1	84.6	83.2	81.2	78.1	74.4	70.3	65.9	61.2	56.6	51.7
42.5°	78.8	78.1	77.1	75.1	72.2	68.5	64.6	60.3	56.1	51.7	47.3
45°	71.0	70.7	69.5	68.5	65.9	62.7	58.8	54.9	50.7	47.3	43.9
47.5°	61.0	60.7	60.5	59.8	58.3	56.1	53.2	49.5	46.3	42.9	38.3
50°	52.2	52.0	51.5	51.2	50.0	48.8	46.6	44.4	41.7	37.8	34.2
52.5°	41.5	41.7	42.4	42.7	42.4	41.5	40.5	39.8	36.1	33.7	30.2
55°	33.9	33.9	33.7	33.9	34.2	34.6	34.6	33.7	31.2	29.0	26.1
57.5°	27.8	27.8	27.8	27.8	27.8	28.1	28.1	27.8	26.6	24.4	21.7
60°	22.9	22.7	22.7	22.9	22.7	22.7	22.9	22.9	21.7	20.0	17.6
62.5°	18.5	18.5	18.5	18.3	18.3	18.5	18.5	18.3	17.3	15.6	13.9
65°	14.6	14.6	14.6	14.6	14.6	14.9	14.6	14.4	13.4	12.2	11.0
67.5°	11.2	11.2	11.5	11.2	11.5	11.5	11.5	11.0	10.2	9.3	8.5
70°	8.3	8.3	8.3	8.5	8.8	8.8	8.5	8.1	7.6	7.1	6.3
72.5°	5.6	5.9	5.9	5.9	6.1	6.1	5.9	5.6	5.4	4.9	4.6
75°	3.7	3.4	3.7	3.7	3.9	3.9	3.7	3.7	3.4	3.2	2.9
77.5°	1.7	1.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.7	1.7
80°	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
2.5°	56.1	55.4	54.4	51.7	49.3	47.1	45.9	45.6
5°	60.0	59.0	56.6	51.0	46.3	42.7	40.5	40.0
7.5°	64.2	62.2	58.8	50.0	43.4	38.8	36.3	35.6
10°	67.3	64.9	60.3	48.8	40.5	35.6	32.7	31.7
12.5°	69.5	66.6	61.5	47.3	38.1	32.2	29.3	28.3
15°	70.7	67.6	61.7	45.1	35.1	29.5	26.3	25.6
17.5°	71.2	67.6	61.2	43.4	32.4	26.8	23.9	22.9
20°	71.0	66.6	60.0	41.0	30.0	24.4	21.5	20.7
22.5°	70.0	65.1	58.1	38.5	27.6	22.0	19.5	19.0
25°	68.5	63.2	55.9	36.3	25.4	20.2	17.8	17.3
27.5°	66.1	60.7	52.9	33.9	23.4	18.5	16.3	15.6
30°	62.9	57.8	50.0	31.5	21.5	16.8	14.9	14.4
32.5°	59.5	54.4	47.1	29.0	19.8	15.6	13.7	13.2
35°	55.6	50.7	43.4	26.6	18.1	14.4	12.4	12.2
37.5°	51.7	46.8	40.3	24.6	16.6	13.2	11.5	11.2
40°	47.3	43.4	38.5	22.4	15.4	12.2	10.7	10.2
42.5°	44.6	39.3	33.2	20.5	14.1	11.2	9.8	9.5
45°	38.8	34.9	30.0	18.5	12.9	10.2	9.0	8.8
47.5°	34.9	31.5	26.8	16.6	12.0	9.5	8.3	8.1
50°	31.0	27.8	23.4	14.6	11.0	8.8	7.6	7.3
52.5°	27.1	23.9	20.0	12.9	9.8	8.1	6.8	6.6
55°	23.2	20.2	16.6	11.2	8.8	7.3	6.3	5.9
57.5°	19.0	16.6	14.1	10.0	7.8	6.6	5.6	5.1
60°	15.4	13.9	12.0	8.8	6.8	5.9	4.9	4.6
62.5°	12.4	11.2	10.0	7.6	6.1	5.1	4.4	3.7
65°	10.0	9.3	8.3	6.1	5.1	4.4	3.7	2.9
67.5°	7.8	7.3	6.6	5.1	4.1	3.7	2.7	2.2
70°	6.1	5.6	5.1	3.7	3.2	2.7	2.0	1.5
72.5°	4.4	3.9	3.7	2.7	2.2	2.0	1.2	0.7
75°	2.7	2.7	2.2	1.5	1.2	1.0	0.5	0.2
77.5°	1.5	1.5	1.2	0.7	0.7	0.2	0.0	0.0
80°	0.7	0.5	0.5	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)