

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: P1306752

Luminaire Tested: LDSQA3D02R709024DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

**Test Information**

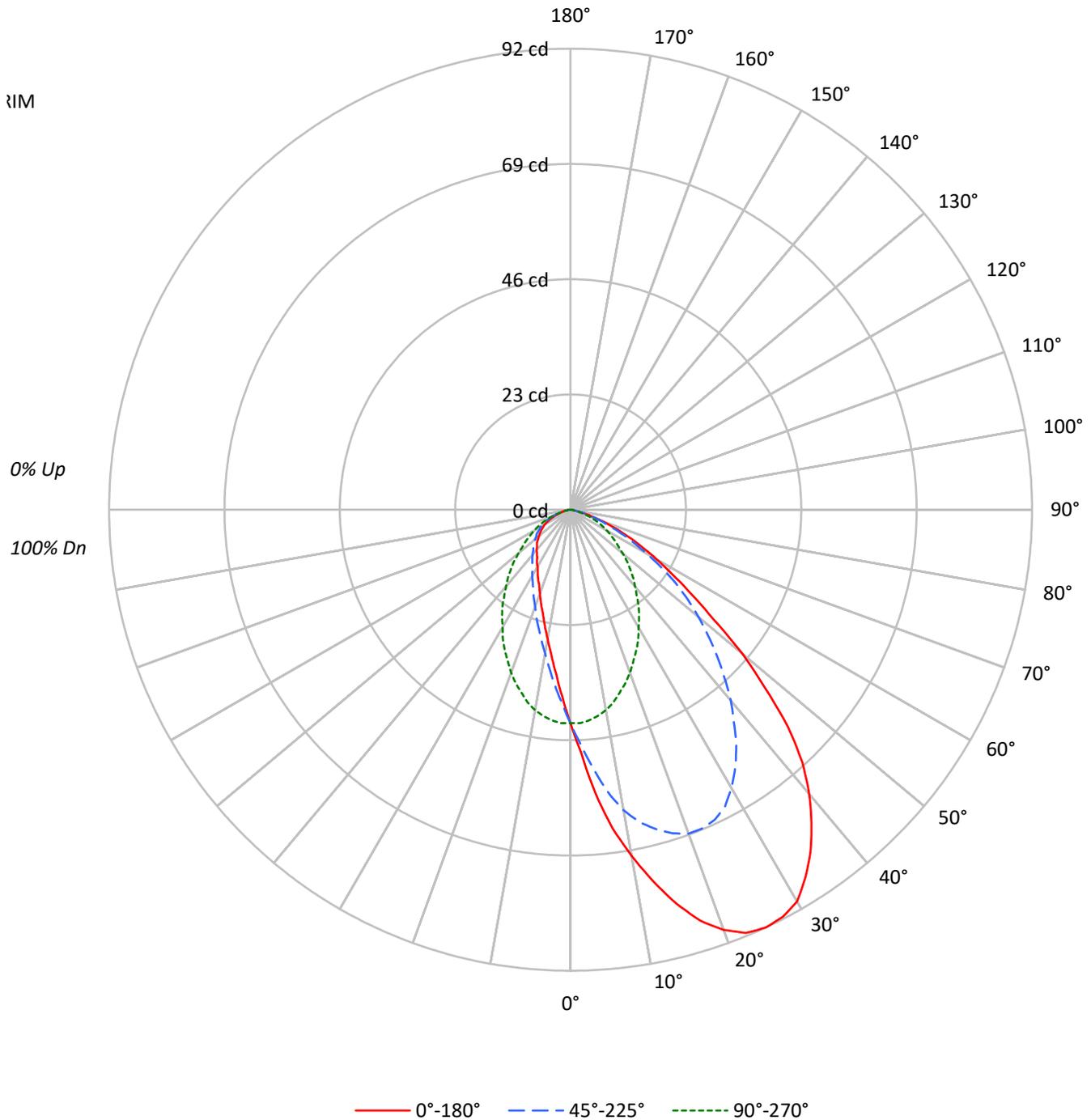
Test Method: LM-79-2019  
Report Number: P1306752  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709024DE010 3LSQCLSWWR 1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 104.0 lumens  
Efficiency: N/A  
Efficacy: 28.9 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	102	95	89	84	100	93	88	84	90	85	82	87	83	80	84	81	78	78	76	
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	76	71	68	68	66	
4	87	76	68	63	85	75	68	62	73	66	61	70	65	60	68	64	60	60	58	
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	51	
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	45	
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	40	
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	36	
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	33	
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	30	

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

	0°	45°	90°	135°	180°
0°	7337	7337	7337	7337	7337
5°	9820	8955	7296	6103	5688
10°	12259	10650	7100	5106	4582
15°	14496	11768	6740	4368	3798
20°	16348	12609	6341	3775	3262
25°	17482	12960	5891	3344	2907
30°	17958	12747	5389	3043	2605
35°	17534	12110	4983	2796	2439
40°	16637	11174	4496	2653	2361
45°	14930	10059	4092	2557	2314
50°	11977	8922	3617	2465	2197
55°	8858	7687	3243	2462	2132
60°	6820	5993	2893	2377	2067
65°	5175	4483	2527	2201	1834
70°	3474	3122	1964	1964	1511
75°	1863	1863	1264	1264	1131
80°	397	893	595	893	1091
85°	0	395	395	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14930 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.2	4.0
10°-20°	12.8	12.3
20°-30°	19.7	18.9
30°-40°	22.3	21.5
40°-50°	20.2	19.4
50°-60°	14.1	13.6
60°-70°	7.8	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
<b>0°-30°</b>	<b>36.6</b>	<b>35.2</b>
<b>0°-40°</b>	<b>59.0</b>	<b>56.7</b>
<b>0°-60°</b>	<b>93.3</b>	<b>89.7</b>
<b>0°-90°</b>	<b>104.0</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>104.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	57	52	42	35	33	6
15°	81	66	38	24	21	23
25°	92	68	31	18	15	42
35°	83	58	24	13	12	52
45°	61	41	17	10	10	46
55°	30	26	11	8	7	27
65°	13	11	6	5	4	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°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	48.6	49.0	49.2	48.8	48.6	48.4	48.0	47.7	47.3	46.9	46.7
5°	56.8	56.8	56.8	56.3	55.7	55.3	54.4	53.8	52.7	51.8	51.0
7.5°	64.1	64.1	63.9	63.2	62.8	61.7	60.6	59.8	58.1	56.8	55.1
10°	70.1	70.1	69.9	68.8	68.2	66.9	65.8	64.3	62.6	60.9	58.9
12.5°	75.9	75.9	75.1	74.2	72.9	71.2	69.7	68.2	65.8	63.9	61.5
15°	81.3	81.3	80.9	79.4	77.6	75.7	73.5	71.4	68.6	66.0	63.4
17.5°	86.0	85.8	85.2	83.4	81.7	79.4	76.8	74.2	70.8	67.7	64.5
20°	89.2	89.2	88.4	86.5	84.5	81.9	79.1	76.1	72.5	68.8	64.9
22.5°	91.4	91.2	90.3	88.4	86.0	83.4	80.2	77.0	72.9	68.8	64.7
25°	92.0	91.8	91.0	88.8	86.5	83.7	80.2	76.8	72.5	68.2	63.7
27.5°	91.6	91.4	90.5	88.2	85.8	82.6	79.1	75.5	71.2	66.7	62.2
30°	90.3	89.7	88.8	86.7	84.1	80.9	77.2	73.1	68.8	64.1	59.6
32.5°	87.1	87.1	86.0	83.9	81.3	77.8	74.2	70.3	65.6	61.1	56.3
35°	83.4	83.2	82.4	80.0	77.6	74.4	70.8	66.7	62.2	57.6	53.1
37.5°	78.9	78.7	77.8	75.7	73.1	70.1	66.2	62.4	58.1	53.5	49.5
40°	74.0	73.5	72.5	70.8	68.6	65.2	61.7	57.8	53.8	49.7	45.6
42.5°	68.4	68.0	67.1	65.8	63.2	60.2	57.0	53.3	49.5	45.4	42.4
45°	61.3	61.3	60.9	59.6	57.6	55.3	51.8	48.6	44.9	41.3	38.1
47.5°	52.5	52.9	52.7	52.0	51.2	49.0	46.7	43.9	40.4	37.2	34.2
50°	44.7	44.9	45.2	44.7	44.1	42.6	41.1	39.4	36.3	33.3	30.5
52.5°	35.9	36.6	36.6	36.8	36.8	36.3	35.9	34.0	32.5	29.5	26.9
55°	29.5	29.5	29.5	29.9	30.1	30.3	29.9	29.5	27.7	25.6	23.2
57.5°	24.1	24.1	24.5	24.3	24.3	24.7	24.7	24.5	23.4	21.5	19.4
60°	19.8	19.8	19.8	19.8	20.0	20.0	20.0	20.0	19.1	17.4	15.7
62.5°	15.9	15.9	15.9	16.1	16.1	16.1	16.3	16.1	15.3	14.0	12.5
65°	12.7	12.5	12.7	12.7	12.9	12.9	12.9	12.7	11.8	11.0	9.9
67.5°	9.5	9.7	9.7	9.7	9.9	10.1	9.9	9.7	9.0	8.2	7.7
70°	6.9	7.1	7.1	7.1	7.3	7.5	7.3	7.1	6.7	6.2	5.8
72.5°	4.5	4.7	4.7	4.9	5.2	5.2	4.9	4.9	4.7	4.3	4.1
75°	2.8	2.8	3.0	3.0	3.2	3.2	3.2	3.0	3.0	2.8	2.8
77.5°	1.3	1.3	1.5	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.5
80°	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6	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°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	46.2	45.6	44.7	42.6	40.4	38.7	37.6	37.4
5°	49.9	48.8	46.9	42.2	38.3	35.3	33.5	32.9
7.5°	53.5	51.6	48.8	41.5	35.7	32.0	30.1	29.2
10°	56.6	54.2	50.5	40.6	33.5	29.2	26.9	26.2
12.5°	58.9	56.1	51.6	39.4	31.4	26.7	24.3	23.7
15°	60.4	57.4	52.3	37.8	29.2	24.5	22.2	21.3
17.5°	61.1	57.4	52.0	36.3	27.3	22.6	20.2	19.6
20°	61.1	57.0	51.4	34.6	25.4	20.6	18.5	17.8
22.5°	60.4	56.1	49.9	32.7	23.7	19.1	17.0	16.3
25°	59.1	54.4	48.2	31.0	21.9	17.6	15.7	15.3
27.5°	57.2	52.5	46.0	29.2	20.4	16.3	14.6	14.2
30°	54.8	50.1	43.7	27.1	18.9	15.3	13.8	13.1
32.5°	51.8	47.3	41.1	25.4	17.6	14.2	12.9	12.5
35°	48.6	44.5	38.3	23.7	16.3	13.3	12.0	11.6
37.5°	45.4	41.1	35.9	21.7	15.3	12.5	11.4	11.0
40°	41.9	38.7	33.3	20.0	14.4	11.8	10.8	10.5
42.5°	38.5	35.1	29.7	18.5	13.3	11.0	10.1	9.9
45°	34.4	31.2	26.9	16.8	12.5	10.5	9.7	9.5
47.5°	31.0	28.0	24.1	15.3	11.6	9.9	9.0	8.8
50°	27.7	24.7	21.1	13.5	10.8	9.2	8.6	8.2
52.5°	24.1	21.5	18.3	12.0	9.9	8.6	8.0	7.7
55°	20.9	18.3	15.3	10.8	9.0	8.2	7.3	7.1
57.5°	17.2	15.1	12.9	9.5	8.2	7.3	6.9	6.5
60°	14.0	12.5	11.0	8.4	7.3	6.9	6.2	6.0
62.5°	11.4	10.3	9.2	7.3	6.5	6.0	5.6	5.2
65°	9.0	8.4	7.5	6.2	5.6	5.4	4.9	4.5
67.5°	7.1	6.7	6.0	4.9	4.7	4.5	4.1	3.7
70°	5.4	5.2	4.7	3.9	3.7	3.9	3.4	3.0
72.5°	3.9	3.7	3.4	2.8	2.8	2.8	2.6	2.2
75°	2.6	2.4	2.2	1.9	1.9	1.9	1.9	1.7
77.5°	1.5	1.5	1.3	1.1	1.3	1.3	1.5	1.5
80°	0.6	0.6	0.6	0.6	0.9	0.9	1.1	1.1
82.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6
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)