

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: P1317128

Luminaire Tested: LDSQA3D02R709827DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

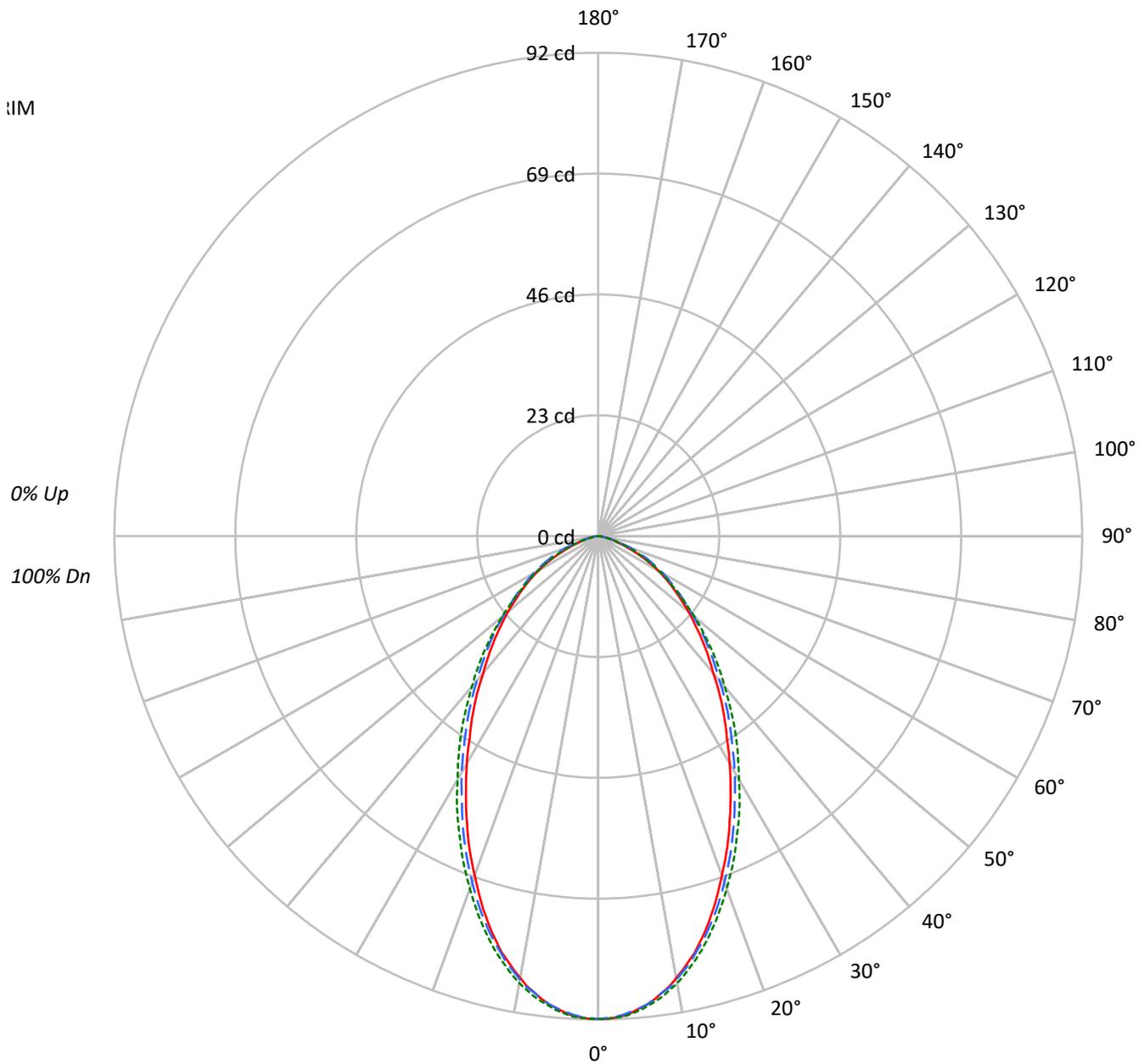
Test Method: LM-79-2019  
Report Number: P1317128  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709827DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 138.0 lumens  
Efficiency: N/A  
Efficacy: 38.3 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	109	105	102	99	101	98	96	97	95	93	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	80	80	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	70	70	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	56	56	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	51	51	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	46	46	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	42	42	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	39	39	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	36	36	36	34

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

	0°	45°	90°
0°	15827	15827	15827
5°	15594	15594	15663
10°	14935	14987	15110
15°	13925	14032	14210
20°	12591	12848	13086
25°	11250	11573	11877
30°	9943	10321	10639
35°	8767	9146	9545
40°	7644	8071	8408
45°	6795	7161	7404
50°	6002	6296	6404
55°	5255	5555	5405
60°	4547	4891	4650
65°	3586	4197	3790
70°	2618	3273	2870
75°	1996	2129	1797
80°	1289	1289	992
85°	593	593	593

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 7404 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.5	6.1
10°-20°	22.0	15.9
20°-30°	27.9	20.3
30°-40°	27.2	19.7
40°-50°	22.6	16.4
50°-60°	16.3	11.8
60°-70°	9.6	6.9
70°-80°	3.4	2.5
80°-90°	0.5	0.4
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°	58.4	42.3
0°-40°	85.6	62.0
0°-60°	124.5	90.2
0°-90°	138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	138.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	92	92	92	92	92	
5°	90	90	90	90	91	8
15°	78	78	79	79	80	22
25°	59	60	61	62	62	27
35°	42	42	44	45	45	26
45°	28	28	29	30	30	22
55°	18	18	18	18	18	16
65°	9	10	10	10	9	9
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	91.9	91.9	91.9	91.9	91.9
1°	91.9	91.7	91.7	91.7	91.9
2°	91.7	91.6	91.6	91.6	91.7
3°	91.4	91.2	91.2	91.2	91.6
4°	90.9	90.6	90.7	90.7	91.1
5°	90.2	90.1	90.2	90.2	90.6
6°	89.6	89.4	89.6	89.6	89.9
7°	88.7	88.6	88.7	88.9	89.2
8°	87.7	87.6	87.7	87.9	88.4
9°	86.7	86.6	86.9	87.1	87.4
10°	85.4	85.4	85.7	85.9	86.4
11°	84.1	84.1	84.4	84.7	85.2
12°	82.7	82.7	83.2	83.6	83.9
13°	81.4	81.2	81.7	82.1	82.6
14°	79.7	79.6	80.2	80.7	81.2
15°	78.1	78.1	78.7	79.2	79.7
17.5°	73.6	73.7	74.6	75.2	75.7
20°	68.7	69.2	70.1	70.9	71.4
22.5°	64.1	64.4	65.6	66.6	67.1
25°	59.2	59.9	60.9	62.0	62.5
27.5°	54.5	55.2	56.2	57.4	58.2
30°	50.0	50.5	51.9	53.0	53.5
32.5°	45.5	46.2	47.5	48.7	49.4
35°	41.7	42.2	43.5	44.7	45.4
37.5°	37.9	38.4	39.7	40.7	41.2
40°	34.0	34.9	35.9	36.9	37.4
42.5°	30.9	31.5	32.5	33.4	33.9
45°	27.9	28.4	29.4	30.0	30.4
47.5°	25.0	25.5	26.5	26.9	27.0
50°	22.4	22.9	23.5	23.7	23.9
52.5°	19.8	20.2	20.8	20.8	20.7
55°	17.5	18.0	18.5	18.3	18.0
57.5°	15.3	15.5	16.3	16.0	15.7
60°	13.2	13.5	14.2	13.8	13.5
62.5°	11.0	11.3	12.2	11.8	11.3
65°	8.8	9.5	10.3	9.8	9.3
67.5°	6.7	7.5	8.3	7.8	7.5
70°	5.2	5.8	6.5	6.0	5.7
72.5°	4.0	4.3	4.7	4.3	4.0
75°	3.0	3.2	3.2	2.8	2.7
77.5°	2.2	2.3	2.0	1.7	1.7
80°	1.3	1.5	1.3	1.0	1.0
82.5°	0.7	0.8	0.7	0.7	0.7
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.2	0.2	0.2	0.2	0.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)