

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: P1318753

Luminaire Tested: LDSQA3D02R159835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R159835DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

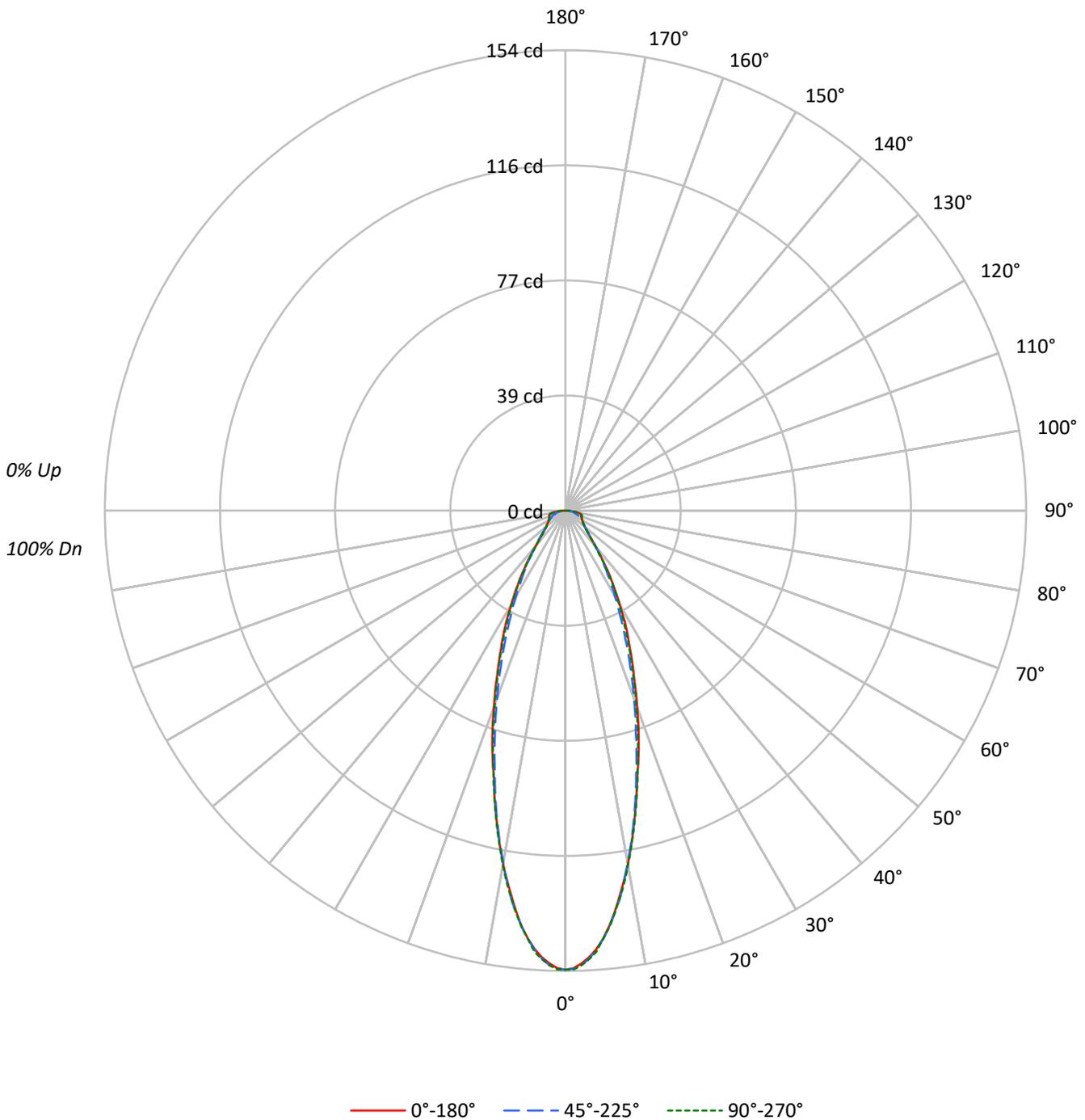
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 103.0 lumens  
Efficiency: N/A  
Efficacy: 28.6 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
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				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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	72
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

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

	0°	45°	90°
0°	26453	26453	26453
5°	24860	24878	24878
10°	20986	20933	21055
15°	16510	16279	16546
20°	12829	12243	12664
25°	9691	9007	9539
30°	7199	6563	7060
35°	5151	4794	5067
40°	3485	3530	3440
45°	2582	2728	2582
50°	2251	2251	2251
55°	2192	2072	2192
60°	2239	2067	2170
65°	2445	2119	2445
70°	2921	2165	2921
75°	3726	2262	3726
80°	4661	2380	4463
85°	3754	2174	4150

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 4661 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.0	12.6
10°-20°	25.6	24.9
20°-30°	22.6	22.0
30°-40°	14.9	14.4
40°-50°	8.7	8.4
50°-60°	6.4	6.2
60°-70°	5.5	5.3
70°-80°	4.5	4.4
80°-90°	1.9	1.8
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°	61.2	59.4
0°-40°	76.1	73.9
0°-60°	91.2	88.5
0°-90°	103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	103.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	154	154	154	154	154	
5°	144	144	144	144	144	13
15°	93	93	91	92	93	26
25°	51	49	47	49	50	24
35°	24	24	23	23	24	15
45°	11	11	11	11	11	9
55°	7	7	7	7	7	7
65°	6	5	5	5	6	6
75°	6	4	3	4	6	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	153.6	153.6	153.6	153.6	153.6
1°	153.1	153.3	153.3	153.5	153.5
2°	151.6	152.0	152.2	152.2	152.2
3°	149.7	149.9	150.1	150.3	150.3
4°	147.1	147.3	147.3	147.7	147.9
5°	143.8	143.8	143.9	144.1	143.9
6°	139.8	139.8	140.0	140.0	140.0
7°	135.2	135.3	135.5	135.7	135.5
8°	130.1	130.3	130.9	130.9	130.7
9°	125.1	125.3	125.3	125.8	125.8
10°	120.0	120.0	119.7	120.0	120.4
12.5°	106.4	106.2	105.7	106.2	106.6
15°	92.6	92.6	91.3	92.4	92.8
17.5°	81.4	79.7	78.4	79.5	80.5
20°	70.0	68.3	66.8	68.0	69.1
22.5°	59.7	58.4	56.6	57.7	59.0
25°	51.0	49.3	47.4	48.7	50.2
27.5°	43.7	41.4	39.6	41.1	42.4
30°	36.2	34.7	33.0	34.2	35.5
32.5°	29.9	28.8	27.4	28.4	29.5
35°	24.5	23.5	22.8	23.3	24.1
37.5°	19.6	19.2	18.9	19.0	19.0
40°	15.5	15.7	15.7	15.7	15.3
42.5°	12.7	12.9	13.3	12.9	12.7
45°	10.6	10.8	11.2	10.8	10.6
47.5°	9.3	9.5	9.7	9.3	9.3
50°	8.4	8.4	8.4	8.4	8.4
52.5°	7.8	7.7	7.7	7.7	7.8
55°	7.3	7.1	6.9	7.1	7.3
57.5°	6.7	6.5	6.3	6.5	6.7
60°	6.5	6.2	6.0	6.2	6.3
62.5°	6.2	5.8	5.6	5.8	6.2
65°	6.0	5.4	5.2	5.4	6.0
67.5°	5.8	5.0	4.7	5.0	5.8
70°	5.8	4.7	4.3	4.9	5.8
72.5°	5.6	4.5	3.7	4.5	5.6
75°	5.6	4.1	3.4	4.3	5.6
77.5°	5.2	3.7	2.8	3.9	5.2
80°	4.7	3.4	2.4	3.5	4.5
82.5°	3.4	2.8	1.9	2.8	3.4
85°	1.9	2.1	1.1	1.9	2.1
87.5°	0.2	0.6	0.4	1.1	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)