

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: P1319644

Luminaire Tested: LDSQA3D02R209840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319644  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R209840DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

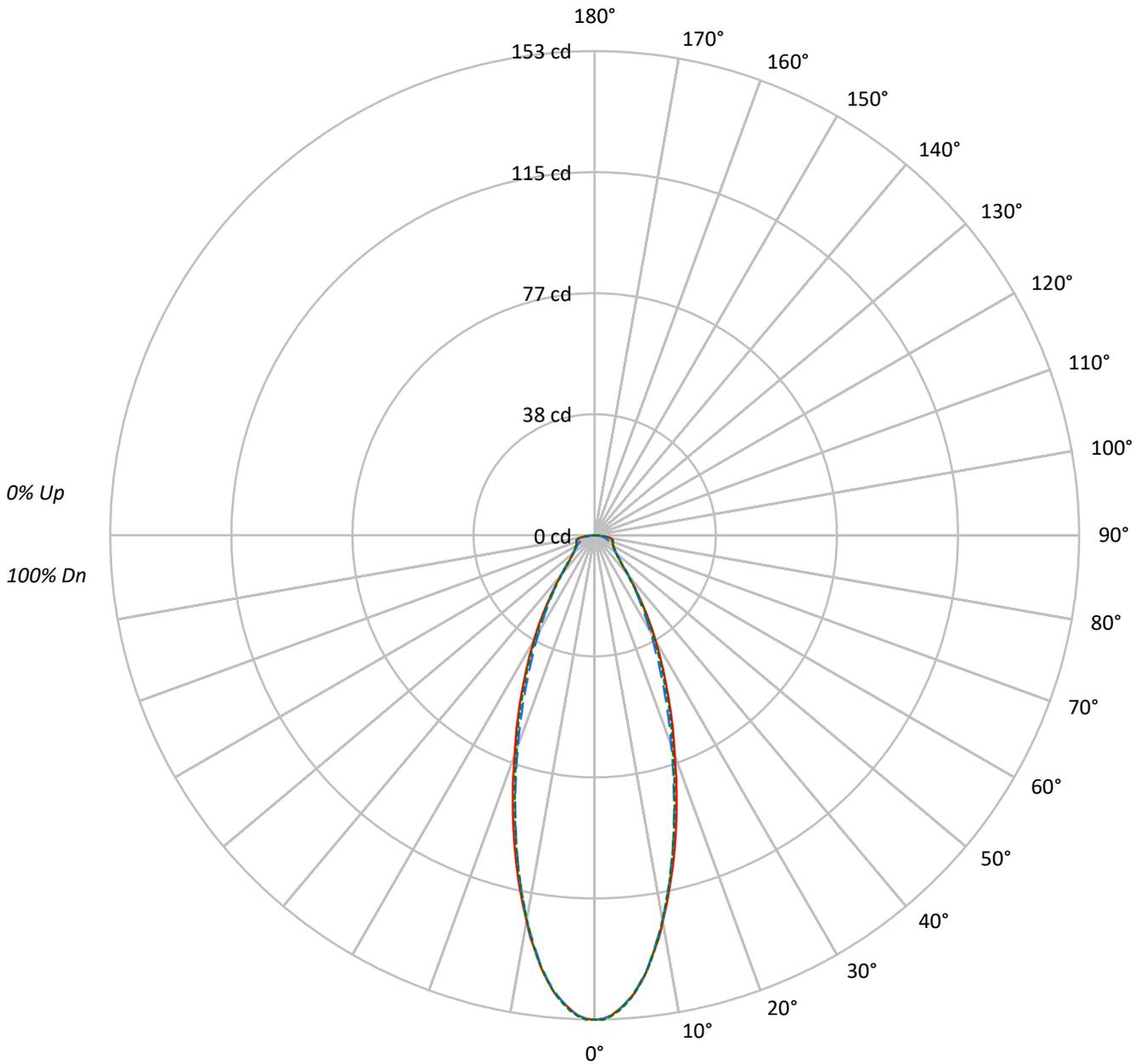
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 108.0 lumens  
Efficiency: N/A  
Efficacy: 30.0 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
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

TEST NUMBER: P1319644  
CATALOG NUMBER: LDSQA3D02R209840DE010 3LSQPHRLP1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1319644

CATALOG NUMBER: LDSQA3D02R209840DE010 3LSQPHRLP1MW

**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	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	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

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

	0°	45°	90°
0°	26367	26367	26367
5°	25102	25033	25102
10°	21668	21598	21563
15°	17580	17170	17241
20°	13544	12958	13196
25°	10299	9539	9995
30°	7636	6960	7398
35°	5403	5025	5319
40°	3710	3710	3642
45°	2728	2874	2728
50°	2385	2385	2385
55°	2282	2222	2282
60°	2342	2170	2342
65°	2567	2160	2567
70°	3072	2216	3072
75°	3926	2396	3926
80°	4860	2479	4761
85°	3754	2174	4150

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 4860 cd/sqm



TEST NUMBER: P1319644

CATALOG NUMBER: LDSQA3D02R209840DE010 3LSQPHRLP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.1	12.2
10°-20°	26.8	24.8
20°-30°	24.0	22.2
30°-40°	15.7	14.6
40°-50°	9.1	8.5
50°-60°	6.8	6.3
60°-70°	5.7	5.3
70°-80°	4.7	4.4
80°-90°	2.0	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°	63.9	59.2
0°-40°	79.6	73.7
0°-60°	95.6	88.5
0°-90°	108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	108.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	153	153	153	153	153	
5°	145	145	145	145	145	13
15°	99	98	96	96	97	27
25°	54	53	50	52	53	25
35°	26	25	24	25	25	16
45°	11	11	12	11	11	9
55°	8	7	7	7	8	7
65°	6	6	5	6	6	6
75°	6	4	4	4	6	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P1319644  
 CATALOG NUMBER: LDSQA3D02R209840DE010 3LSQPHRLP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	153.1	153.1	153.1	153.1	153.1
1°	152.8	153.0	152.8	153.0	153.1
2°	151.8	152.0	151.8	151.8	152.0
3°	149.9	150.1	150.1	150.1	150.3
4°	147.6	147.8	147.6	147.8	148.0
5°	145.2	145.0	144.8	145.0	145.2
6°	141.7	141.6	141.4	141.6	141.7
7°	137.9	137.8	137.6	137.6	137.8
8°	133.2	133.4	132.8	133.2	133.4
9°	129.0	128.6	128.3	128.3	128.6
10°	123.9	123.5	123.5	123.3	123.3
12.5°	111.3	110.6	110.0	110.0	110.2
15°	98.6	97.7	96.3	96.5	96.7
17.5°	85.9	84.7	83.0	83.4	83.8
20°	73.9	72.8	70.7	71.4	72.0
22.5°	63.7	61.9	60.0	60.6	62.5
25°	54.2	52.6	50.2	51.5	52.6
27.5°	45.8	44.1	42.0	43.3	44.5
30°	38.4	36.9	35.0	36.1	37.2
32.5°	31.7	30.4	29.1	29.8	30.8
35°	25.7	24.9	23.9	24.7	25.3
37.5°	20.7	20.3	20.0	20.3	20.1
40°	16.5	16.7	16.5	16.5	16.2
42.5°	13.1	13.7	13.9	13.5	13.1
45°	11.2	11.4	11.8	11.4	11.2
47.5°	9.9	9.9	10.1	9.9	9.7
50°	8.9	8.9	8.9	8.9	8.9
52.5°	8.2	8.2	8.0	8.2	8.2
55°	7.6	7.4	7.4	7.4	7.6
57.5°	7.2	7.0	6.8	7.0	7.2
60°	6.8	6.5	6.3	6.5	6.8
62.5°	6.5	6.1	5.9	6.1	6.5
65°	6.3	5.7	5.3	5.7	6.3
67.5°	6.1	5.3	4.9	5.3	6.3
70°	6.1	4.9	4.4	5.1	6.1
72.5°	5.9	4.8	4.0	4.8	5.9
75°	5.9	4.4	3.6	4.4	5.9
77.5°	5.5	4.0	3.0	4.0	5.5
80°	4.9	3.6	2.5	3.6	4.8
82.5°	3.6	3.0	1.9	3.0	3.6
85°	1.9	2.1	1.1	2.1	2.1
87.5°	0.2	0.8	0.4	1.1	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)