

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: P1319643

Luminaire Tested: LDSQA3D02R209840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R209840DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

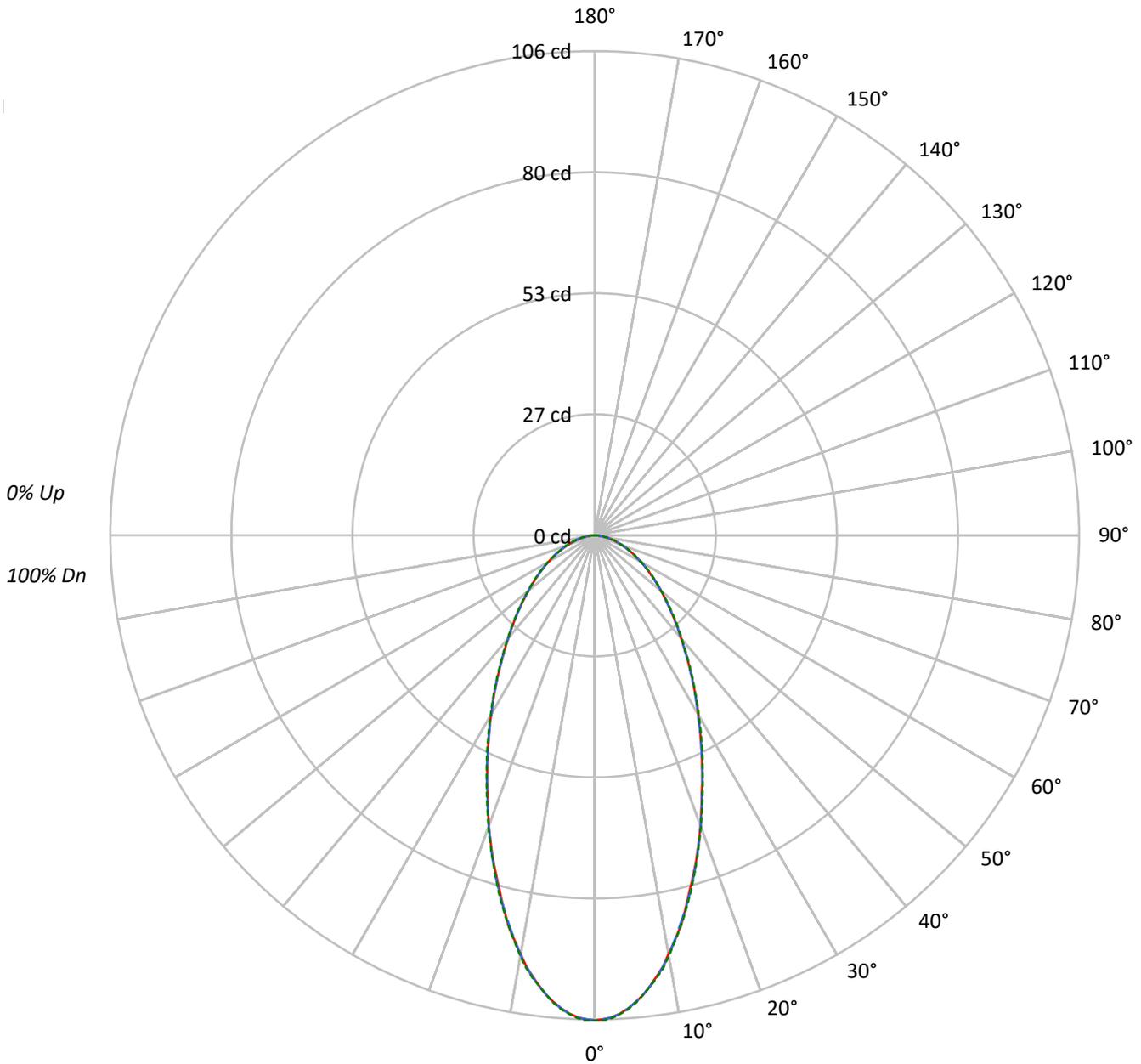
Lumens per Lamp: N/A
Luminaire Lumens: 127.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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% Up
100% Dn

— 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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	45
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	45	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18290	18290	18290
5°	17738	17738	17772
10°	16281	16316	16351
15°	14335	14406	14442
20°	12408	12408	12444
25°	10565	10565	10622
30°	9009	8969	9048
35°	7695	7695	7737
40°	6610	6610	6655
45°	5772	5772	5821
50°	5091	5091	5091
55°	4504	4504	4564
60°	4064	4064	4064
65°	3627	3627	3627
70°	3223	3223	3223
75°	2928	2795	2928
80°	2479	2479	2479
85°	1581	1581	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5821 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	7.5
10°-20°	22.5	17.7
20°-30°	25.6	20.1
30°-40°	23.0	18.1
40°-50°	18.4	14.5
50°-60°	13.6	10.7
60°-70°	8.8	7.0
70°-80°	4.6	3.6
80°-90°	1.1	0.8
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°	57.6	45.3
0°-40°	80.6	63.4
0°-60°	112.5	88.6
0°-90°	127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	127.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	106	106	106	106	106	
5°	103	103	103	103	103	9
15°	80	80	81	81	81	22
25°	56	56	56	56	56	26
35°	37	37	37	37	37	23
45°	24	24	24	24	24	18
55°	15	15	15	15	15	14
65°	9	9	9	9	9	9
75°	4	4	4	4	4	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	106.2	106.2	106.2	106.2	106.2
1°	106.0	105.8	106.0	106.0	106.2
2°	105.6	105.6	105.6	105.4	105.8
3°	104.9	104.9	105.0	104.9	105.0
4°	103.9	103.9	103.9	103.7	104.1
5°	102.6	102.6	102.6	102.6	102.8
6°	101.2	101.1	101.2	101.1	101.2
7°	99.4	99.4	99.5	99.4	99.5
8°	97.5	97.3	97.6	97.5	97.8
9°	95.6	95.4	95.6	95.4	95.9
10°	93.1	93.3	93.3	93.3	93.5
12.5°	87.4	87.0	87.0	87.0	87.4
15°	80.4	80.4	80.8	80.8	81.0
17.5°	74.1	73.9	74.3	74.3	74.3
20°	67.7	67.5	67.7	67.7	67.9
22.5°	61.2	61.4	61.4	61.4	61.6
25°	55.6	55.6	55.6	55.7	55.9
27.5°	50.2	50.1	50.2	50.4	50.6
30°	45.3	45.1	45.1	45.3	45.5
32.5°	40.8	40.6	40.8	40.8	41.0
35°	36.6	36.6	36.6	36.6	36.8
37.5°	32.8	32.8	32.8	33.0	33.0
40°	29.4	29.4	29.4	29.6	29.6
42.5°	26.4	26.4	26.4	26.5	26.7
45°	23.7	23.7	23.7	23.7	23.9
47.5°	21.2	21.2	21.2	21.4	21.4
50°	19.0	18.8	19.0	19.1	19.0
52.5°	16.9	16.9	16.9	16.9	17.1
55°	15.0	15.0	15.0	15.0	15.2
57.5°	13.3	13.3	13.3	13.5	13.5
60°	11.8	11.8	11.8	11.8	11.8
62.5°	10.2	10.2	10.2	10.2	10.2
65°	8.9	8.7	8.9	8.9	8.9
67.5°	7.6	7.6	7.6	7.6	7.6
70°	6.4	6.4	6.4	6.4	6.4
72.5°	5.3	5.3	5.3	5.3	5.3
75°	4.4	4.2	4.2	4.4	4.4
77.5°	3.4	3.2	3.4	3.4	3.4
80°	2.5	2.5	2.5	2.5	2.5
82.5°	1.5	1.5	1.5	1.7	1.7
85°	0.8	0.8	0.8	0.9	0.9
87.5°	0.2	0.2	0.2	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)