

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: P1319677

Luminaire Tested: LDSQA3D02R309840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309840DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

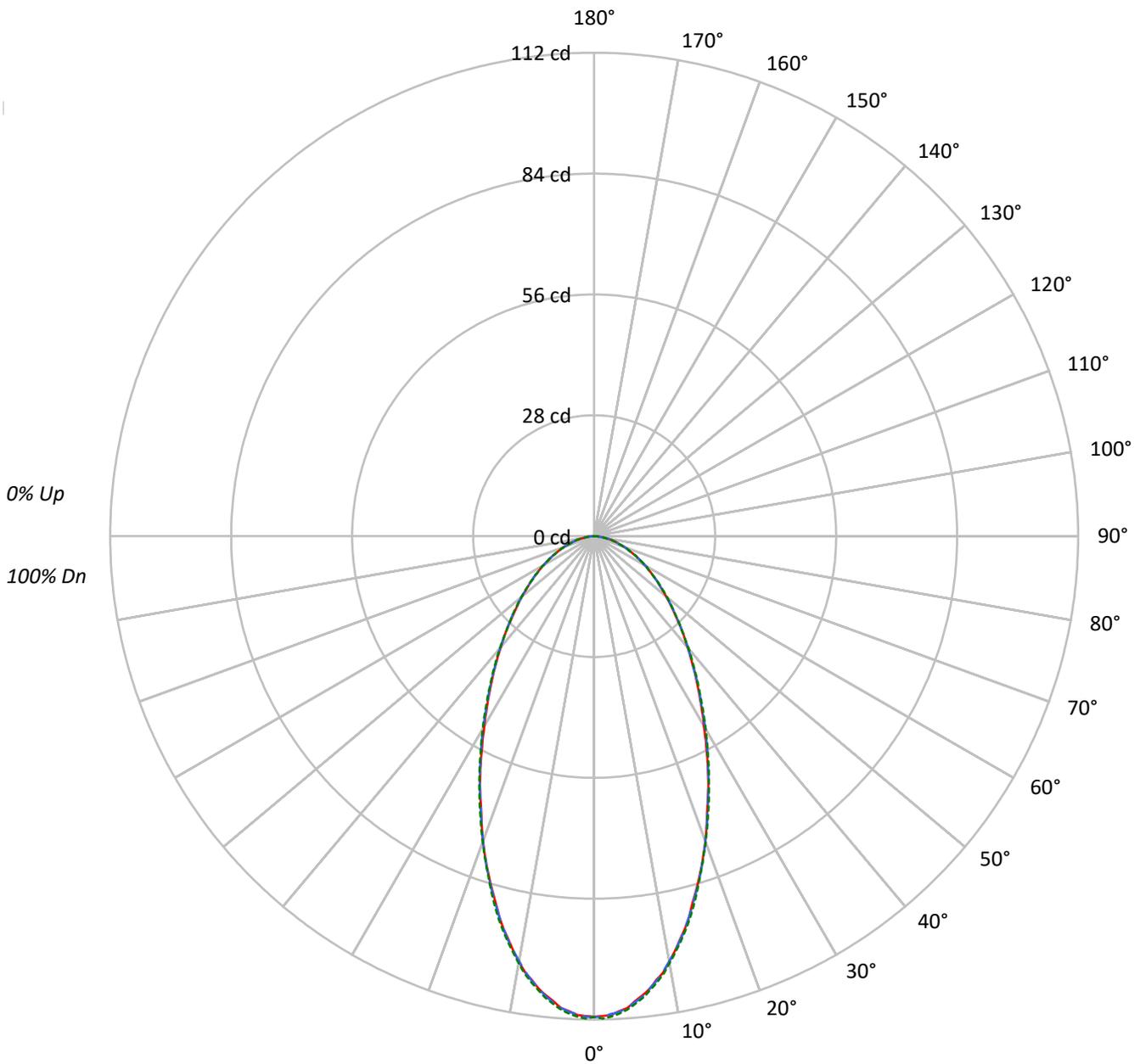
Lumens per Lamp: N/A
Luminaire Lumens: 143.0 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319677

CATALOG NUMBER: LDSQA3D02R309840DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

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



TEST NUMBER: P1319677

CATALOG NUMBER: LDSQA3D02R309840DE010 3LSQPHRLD1MW

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	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	77	
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	68	
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	60	
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	54	
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	49	
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	45	
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19186	19186	19186
5°	18706	18740	18809
10°	17505	17505	17575
15°	15690	15726	15833
20°	13782	13782	13819
25°	11877	11877	11953
30°	10102	10222	10261
35°	8725	8767	8809
40°	7554	7599	7644
45°	6600	6649	6649
50°	5841	5841	5894
55°	5225	5225	5225
60°	4684	4684	4684
65°	4197	4197	4197
70°	3777	3777	3777
75°	3394	3261	3261
80°	2975	2777	2777
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6649 cd/sqm



TEST NUMBER: P1319677

CATALOG NUMBER: LDSQA3D02R309840DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	7.1
10°-20°	24.6	17.2
20°-30°	28.7	20.1
30°-40°	26.1	18.3
40°-50°	21.1	14.8
50°-60°	15.6	10.9
60°-70°	10.3	7.2
70°-80°	5.3	3.7
80°-90°	1.2	0.9
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°	63.4	44.3
0°-40°	89.5	62.6
0°-60°	126.2	88.3
0°-90°	143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	111	111	111	111	111	
5°	108	108	108	108	109	10
15°	88	88	88	88	89	25
25°	62	62	62	62	63	29
35°	42	41	42	42	42	26
45°	27	27	27	27	27	21
55°	17	17	17	17	17	16
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1319677

CATALOG NUMBER: LDSQA3D02R309840DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	111.4	111.4	111.4	111.4	111.4
1°	111.2	111.2	111.4	111.2	111.8
2°	111.0	110.8	110.8	110.8	111.4
3°	110.2	110.2	110.4	110.2	110.8
4°	109.6	109.4	109.6	109.4	110.0
5°	108.2	108.2	108.4	108.4	108.8
6°	107.0	107.0	107.2	107.0	107.6
7°	105.6	105.6	105.6	105.6	106.0
8°	103.8	103.8	104.0	104.0	104.4
9°	102.3	102.1	102.1	102.1	102.7
10°	100.1	100.1	100.1	100.1	100.5
11°	97.9	97.9	97.9	97.9	98.3
12°	95.5	95.5	95.7	95.5	96.1
13°	93.4	93.4	93.4	93.4	93.8
14°	90.8	90.6	90.8	90.8	91.4
15°	88.0	88.2	88.2	88.2	88.8
17.5°	81.7	81.7	81.9	81.5	81.9
20°	75.2	75.0	75.2	75.2	75.4
22.5°	68.4	68.6	68.6	68.6	69.0
25°	62.5	62.3	62.5	62.5	62.9
27.5°	56.4	56.6	56.8	56.6	57.0
30°	50.8	51.2	51.4	51.0	51.6
32.5°	45.9	45.9	46.1	46.3	46.5
35°	41.5	41.3	41.7	41.7	41.9
37.5°	37.4	37.4	37.4	37.6	37.8
40°	33.6	33.6	33.8	33.8	34.0
42.5°	30.3	30.1	30.3	30.3	30.3
45°	27.1	27.3	27.3	27.3	27.3
47.5°	24.3	24.3	24.5	24.3	24.5
50°	21.8	21.8	21.8	21.8	22.0
52.5°	19.4	19.4	19.4	19.4	19.6
55°	17.4	17.2	17.4	17.2	17.4
57.5°	15.4	15.4	15.4	15.4	15.4
60°	13.6	13.5	13.6	13.5	13.6
62.5°	11.9	11.9	11.9	11.9	11.9
65°	10.3	10.3	10.3	10.3	10.3
67.5°	8.9	8.9	8.9	8.7	8.7
70°	7.5	7.5	7.5	7.5	7.5
72.5°	6.3	6.1	6.1	6.1	6.1
75°	5.1	4.9	4.9	4.9	4.9
77.5°	4.0	4.0	3.8	3.8	4.0
80°	3.0	2.8	2.8	2.8	2.8
82.5°	1.8	1.8	1.8	1.8	1.8
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.2	0.2	0.2	0.4	0.4



TEST NUMBER: P1319677

CATALOG NUMBER: LDSQA3D02R309840DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)