

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: P1318846

Luminaire Tested: LDSQA3D02R509835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R509835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

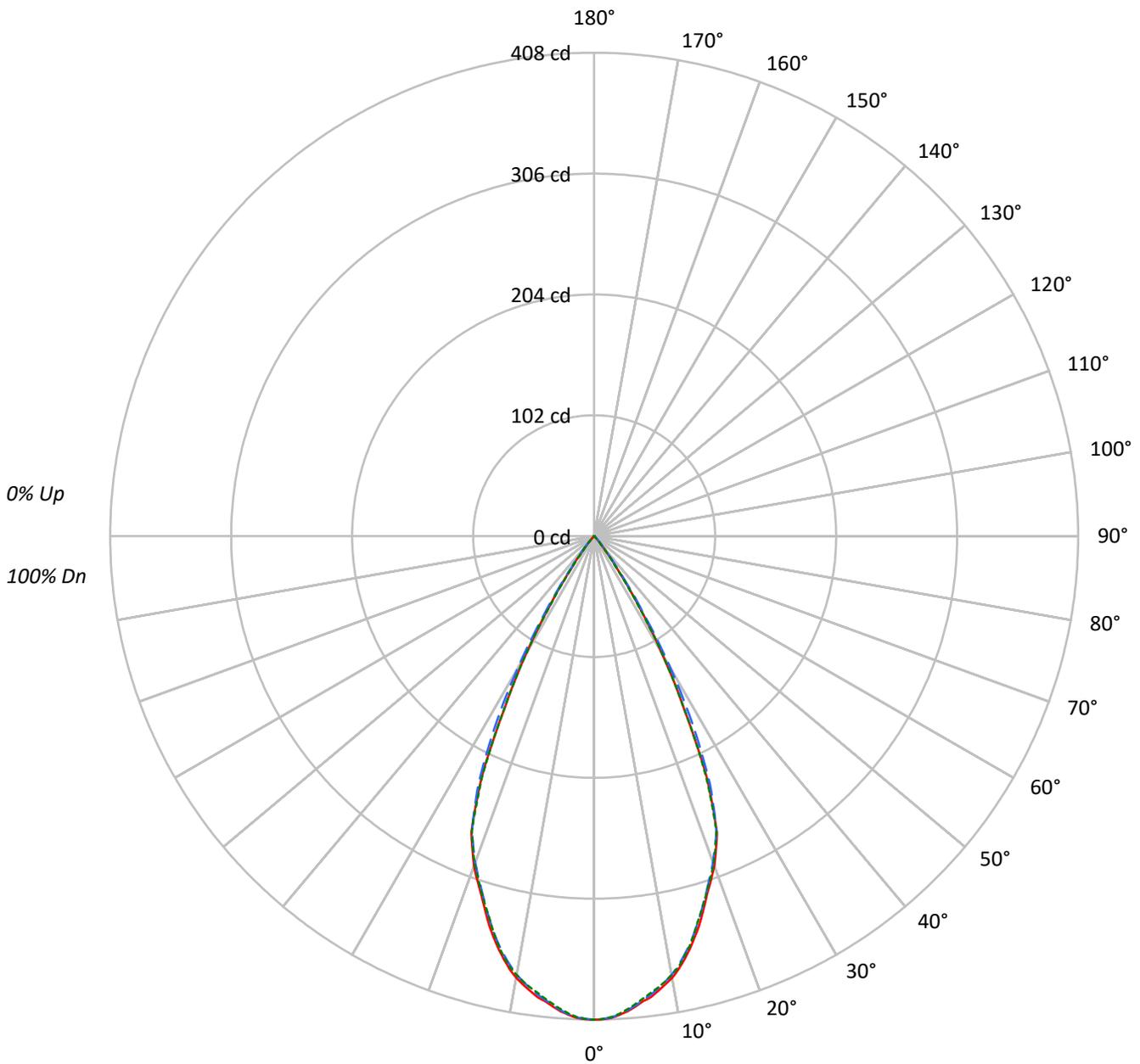
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 263.1 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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_{in}): 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: P1318846
CATALOG NUMBER: LDSQA3D02R509835DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



0% Up
100% Dn

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



TEST NUMBER: P1318846

CATALOG NUMBER: LDSQA3D02R509835DE010 3LSQCDR1MW

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	86	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	70284	70284	70284
5°	68910	68772	68582
10°	66209	65755	65790
15°	60782	60211	60140
20°	54305	53718	53993
25°	42680	43915	42319
30°	22830	25574	22909
35°	7464	8704	7022
40°	1844	2316	1754
45°	219	828	219
50°	161	241	161
55°	180	180	180
60°	138	138	138
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 828 cd/sqm



TEST NUMBER: P1318846

CATALOG NUMBER: LDSQA3D02R509835DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	14.2
10°-20°	94.4	35.9
20°-30°	99.3	37.7
30°-40°	28.6	10.9
40°-50°	2.3	0.9
50°-60°	0.5	0.2
60°-70°	0.4	0.1
70°-80°	0.2	0.1
80°-90°	0.1	0.0
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°	231.0	87.8
0°-40°	259.6	98.7
0°-60°	262.4	99.8
0°-90°	263.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	263.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	408	408	408	408	408	
5°	399	398	398	398	397	37
15°	341	339	338	338	337	95
25°	225	230	231	228	223	97
35°	36	37	41	36	33	27
45°	1	2	3	2	1	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1318846

CATALOG NUMBER: LDSQA3D02R509835DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	408.1	408.1	408.1	408.1	408.1
1°	407.9	408.3	407.5	408.9	407.7
2°	407.0	407.2	406.8	407.7	406.2
3°	404.7	405.1	404.4	405.1	403.8
4°	402.1	402.1	401.4	401.9	400.3
5°	398.6	398.4	397.8	398.2	396.7
6°	394.8	394.7	393.7	393.7	392.6
7°	392.0	390.7	390.0	389.8	388.7
8°	387.6	387.2	385.7	385.7	385.0
9°	383.1	382.7	381.0	381.4	380.8
10°	378.6	377.3	376.0	376.2	376.2
11°	372.6	371.5	369.6	370.4	370.8
12°	365.5	364.2	362.6	364.0	363.9
13°	357.7	356.6	355.3	356.4	356.0
14°	349.5	347.8	346.7	347.4	347.1
15°	340.9	338.7	337.7	337.7	337.3
17.5°	316.8	315.5	314.6	314.0	315.3
20°	296.3	295.2	293.1	293.7	294.6
22.5°	270.5	270.3	269.2	268.3	269.4
25°	224.6	230.2	231.1	228.5	222.7
27.5°	163.2	176.2	180.9	174.7	164.1
30°	114.8	121.0	128.6	116.5	115.2
32.5°	69.3	70.9	78.0	69.6	67.8
35°	35.5	36.8	41.4	35.5	33.4
37.5°	16.6	17.4	19.2	16.6	15.5
40°	8.2	9.1	10.3	8.6	7.8
42.5°	3.5	4.7	6.0	4.5	3.2
45°	0.9	1.9	3.4	1.9	0.9
47.5°	0.6	0.7	1.9	0.7	0.6
50°	0.6	0.6	0.9	0.6	0.6
52.5°	0.6	0.6	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.4	0.6	0.4	0.6	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.0	0.2	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1318846
CATALOG NUMBER: LDSQA3D02R509835DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)