

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: P1317951

Luminaire Tested: LDSQA3D02R409830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409830DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

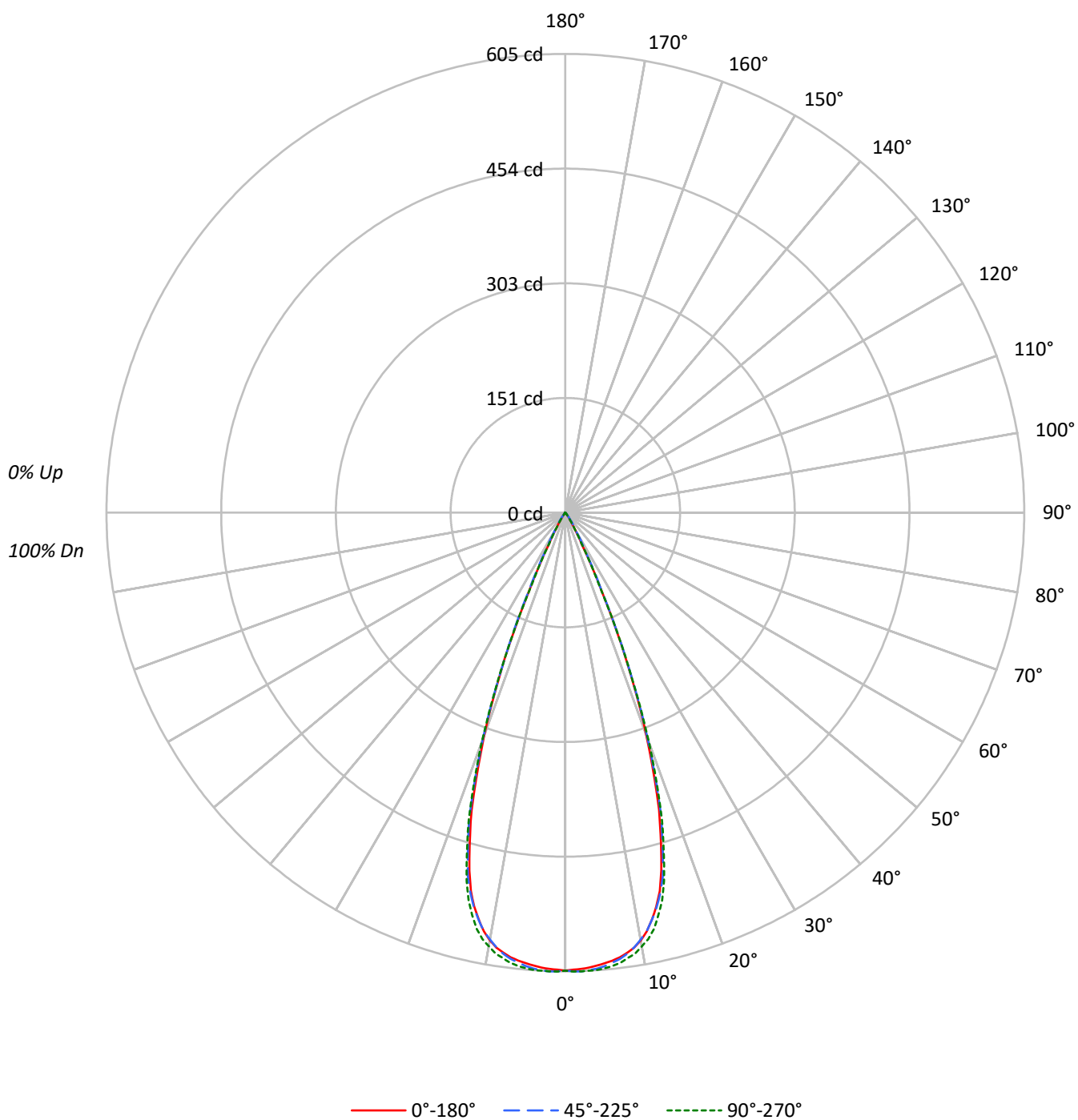
Lumens per Lamp: N/A
Luminaire Lumens: 254.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1317951

CATALOG NUMBER: LDSQA3D02R409830DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317951

CATALOG NUMBER: LDSQA3D02R409830DE010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					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	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	104022	104022	104022
5°	103123	103780	104264
10°	100188	99996	101570
15°	87152	88561	89648
20°	57200	58318	59070
25°	20390	21587	20295
30°	4455	6006	4474
35°	1430	2481	1388
40°	450	764	405
45°	49	268	49
50°	0	54	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 268 cd/sqm

TEST NUMBER: P1317951

CATALOG NUMBER: LDSQA3D02R409830DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	22.2
10°-20°	131.5	51.8
20°-30°	59.0	23.2
30°-40°	6.4	2.5
40°-50°	0.6	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	247.0	97.3
0°-40°	253.4	99.8
0°-60°	254.0	100.0
0°-90°	254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	254.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	604	604	604	604	604	
5°	596	598	600	601	603	56
15°	489	492	497	500	503	130
25°	107	110	114	116	107	57
35°	7	8	12	8	7	5
45°	0	0	1	0	0	0
55°	0	0	0	0	0	0
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	

TEST NUMBER: P1317951

CATALOG NUMBER: LDSQA3D02R409830DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	604.0	604.0	604.0	604.0	604.0
1°	602.8	604.0	605.1	604.2	605.4
2°	602.2	603.7	605.3	604.4	605.4
3°	600.8	602.6	604.4	603.8	604.9
4°	598.8	600.3	602.9	602.9	604.6
5°	596.5	598.1	600.3	601.2	603.1
6°	594.0	594.9	596.5	598.3	601.0
7°	590.8	590.8	592.8	594.5	598.1
8°	586.3	586.0	587.4	589.7	592.9
9°	580.8	579.5	580.6	584.0	588.8
10°	572.9	571.8	571.8	576.1	580.8
11°	562.7	562.3	562.5	566.6	572.9
12°	548.9	549.3	549.3	553.9	561.6
13°	533.4	533.2	534.8	540.0	545.2
14°	514.4	515.5	517.1	521.7	527.1
15°	488.8	492.4	496.7	499.6	502.8
17.5°	411.0	414.6	420.5	422.8	423.5
20°	312.1	317.3	318.2	322.8	322.3
22.5°	209.3	208.9	209.6	210.2	210.3
25°	107.3	110.5	113.6	115.5	106.8
27.5°	46.7	52.2	56.2	51.0	47.2
30°	22.4	25.4	30.2	25.6	22.5
32.5°	12.2	14.1	19.1	14.0	12.0
35°	6.8	7.9	11.8	7.7	6.6
37.5°	3.9	4.3	6.4	4.3	3.8
40°	2.0	2.5	3.4	2.5	1.8
42.5°	0.7	1.3	1.8	1.3	0.7
45°	0.2	0.4	1.1	0.4	0.2
47.5°	0.0	0.0	0.5	0.0	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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: P1317951

CATALOG NUMBER: LDSQA3D02R409830DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)