

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: P1313234

Luminaire Tested: LDSQA3D02R509727DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R509727DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

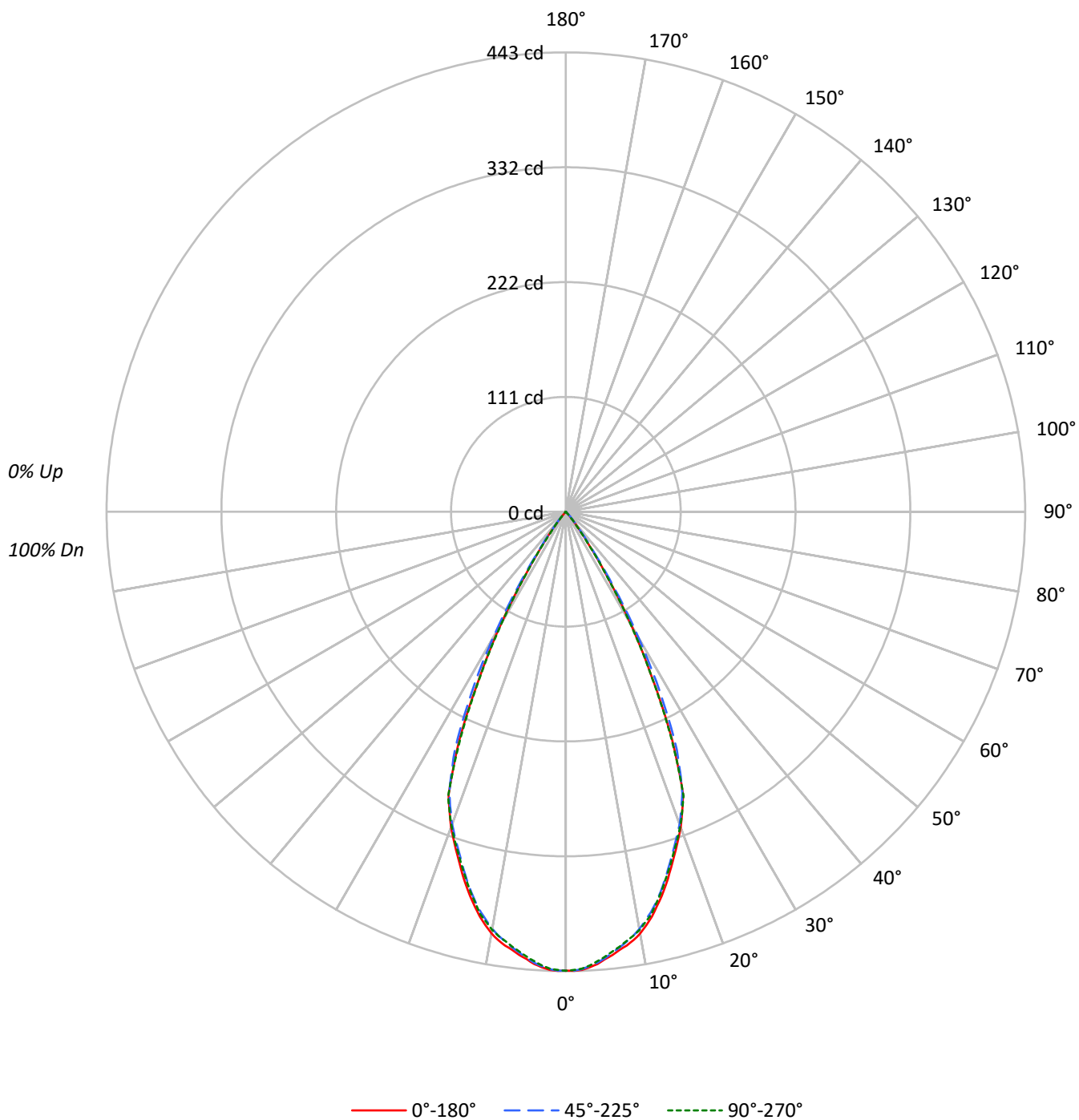
Lumens per Lamp: N/A
Luminaire Lumens: 285.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (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: P1313234

CATALOG NUMBER: LDSQA3D02R509727DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1313234

CATALOG NUMBER: LDSQA3D02R509727DE010 3LSQCDR1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	76226	76226	76226
5°	74892	74684	74477
10°	72225	71438	71596
15°	66452	65614	65792
20°	59326	58776	59106
25°	46176	48115	45682
30°	25017	27941	24560
35°	7884	9377	7716
40°	1731	2428	1641
45°	49	755	49
50°	0	107	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: 755 cd/sqm

TEST NUMBER: P1313234

CATALOG NUMBER: LDSQA3D02R509727DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	14.2
10°-20°	103.0	36.1
20°-30°	108.5	38.1
30°-40°	31.0	10.9
40°-50°	1.9	0.7
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°	252.1	88.4
0°-40°	283.1	99.3
0°-60°	285.0	100.0
0°-90°	285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	443	443	443	443	443	
5°	433	433	432	432	431	41
15°	373	370	368	369	369	104
25°	243	252	253	250	240	106
35°	38	40	45	38	37	29
45°	0	1	3	1	0	1
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: P1313234

CATALOG NUMBER: LDSQA3D02R509727DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	442.6	442.6	442.6	442.6	442.6
1°	442.8	443.0	442.6	443.0	442.0
2°	442.2	441.8	441.4	441.6	440.9
3°	439.9	439.7	438.9	439.1	438.3
4°	437.1	436.5	435.9	435.4	434.6
5°	433.2	432.8	432.0	431.6	430.8
6°	429.9	429.1	427.7	427.3	426.5
7°	425.7	425.3	423.4	423.0	422.6
8°	422.4	421.2	418.9	419.1	418.1
9°	418.1	416.5	414.2	414.2	414.4
10°	413.0	410.6	408.5	409.1	409.4
11°	406.3	404.7	401.6	403.0	403.0
12°	399.0	396.9	394.7	395.9	396.7
13°	390.4	388.8	386.7	387.9	387.5
14°	382.0	379.0	377.5	379.2	378.6
15°	372.7	370.2	368.0	368.6	369.0
17.5°	347.6	344.9	343.3	343.5	345.3
20°	323.7	322.7	320.7	321.5	322.5
22.5°	295.6	296.0	293.6	294.2	296.6
25°	243.0	252.0	253.2	250.3	240.4
27.5°	180.0	193.5	197.5	191.0	178.8
30°	125.8	129.5	140.5	128.0	123.5
32.5°	73.8	79.3	85.2	76.7	73.6
35°	37.5	40.2	44.6	37.9	36.7
37.5°	17.3	18.6	20.4	17.3	16.3
40°	7.7	9.2	10.8	8.8	7.3
42.5°	2.4	4.3	5.7	3.9	2.2
45°	0.2	1.0	3.1	1.0	0.2
47.5°	0.0	0.2	1.2	0.2	0.0
50°	0.0	0.0	0.4	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: P1313234

CATALOG NUMBER: LDSQA3D02R509727DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)