

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: P1319730

Luminaire Tested: LDSQA3D02R559840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

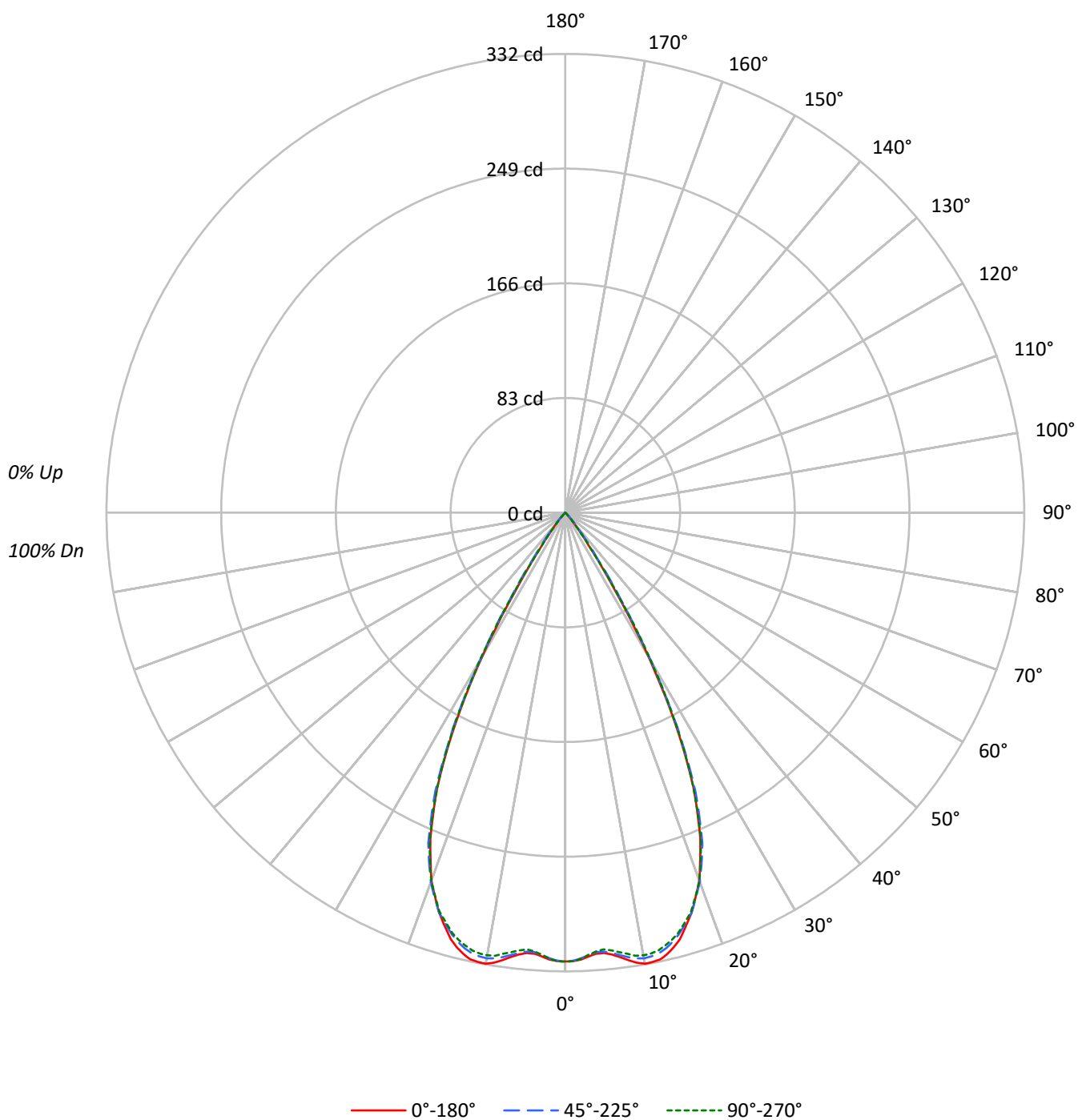
Lumens per Lamp: N/A
Luminaire Lumens: 247.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319730

CATALOG NUMBER: LDSQA3D02R559840DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1319730

CATALOG NUMBER: LDSQA3D02R559840DE010 3LSQCDR1MMS

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	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	55955	55955	55955
5°	55322	55149	54855
10°	57973	57273	56888
15°	57020	56413	56200
20°	51940	52142	51959
25°	41654	42319	41654
30°	23904	24520	24699
35°	6812	8221	7022
40°	1754	2518	1799
45°	195	877	146
50°	0	161	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: 877 cd/sqm

TEST NUMBER: P1319730

CATALOG NUMBER: LDSQA3D02R559840DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	12.5
10°-20°	88.0	35.6
20°-30°	97.0	39.3
30°-40°	29.0	11.7
40°-50°	2.2	0.9
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°	215.8	87.4
0°-40°	244.8	99.1
0°-60°	247.0	100.0
0°-90°	247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	247.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	325	325	325	325	325	
5°	320	319	319	318	317	31
15°	320	318	316	315	315	89
25°	219	219	223	222	219	96
35°	32	34	39	36	33	27
45°	1	2	4	2	1	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: P1319730

CATALOG NUMBER: LDSQA3D02R559840DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	324.9	324.9	324.9	324.9	324.9
1°	324.7	324.7	324.3	324.1	324.7
2°	323.8	323.8	322.8	322.6	323.2
3°	321.7	321.5	320.7	320.1	320.5
4°	320.0	319.6	319.0	318.1	318.3
5°	320.0	319.4	319.0	317.7	317.3
6°	321.5	321.1	320.3	319.0	318.6
7°	324.1	323.4	322.6	320.9	320.5
8°	327.0	326.4	324.9	323.2	322.4
9°	329.8	328.5	326.6	324.9	324.7
10°	331.5	329.6	327.5	325.5	325.3
11°	331.3	329.6	327.2	325.3	325.1
12°	330.6	328.1	326.0	323.8	323.9
13°	327.9	325.6	323.6	321.9	321.5
14°	324.3	322.2	320.3	318.6	318.8
15°	319.8	317.5	316.4	315.0	315.2
17.5°	303.6	303.1	303.6	302.1	302.7
20°	283.4	282.8	284.5	283.7	283.5
22.5°	255.1	255.9	259.1	258.1	256.4
25°	219.2	219.2	222.7	222.3	219.2
27.5°	172.6	173.9	176.0	177.0	174.7
30°	120.2	123.3	123.3	125.2	124.2
32.5°	67.1	73.6	75.1	76.1	72.3
35°	32.4	34.5	39.1	35.7	33.4
37.5°	15.6	16.5	21.1	17.1	15.9
40°	7.8	8.9	11.2	9.3	8.0
42.5°	3.2	4.7	5.9	4.7	3.2
45°	0.8	1.9	3.6	1.9	0.6
47.5°	0.0	0.2	1.7	0.4	0.0
50°	0.0	0.0	0.6	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: P1319730

CATALOG NUMBER: LDSQA3D02R559840DE010 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)