

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: P1312148

Luminaire Tested: LDSQA3D02R559050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312148
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: LDSQA3D02R559050DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

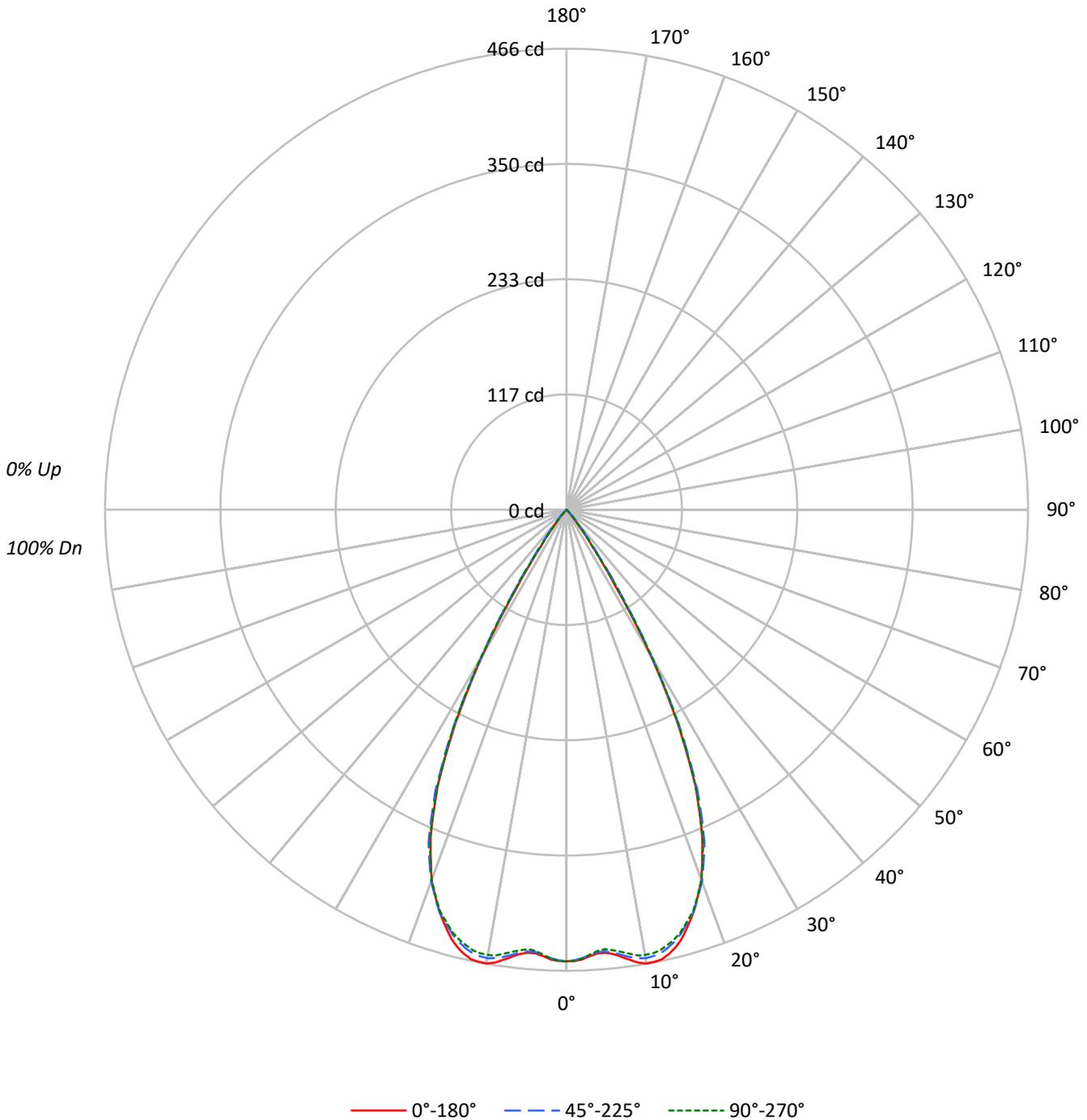
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 347.0 lumens
Efficiency: N/A
Efficacy: 96.4 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: P1312148
CATALOG NUMBER: LDSQA3D02R559050DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1312148

CATALOG NUMBER: LDSQA3D02R559050DE010 3LSQCDR1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	78602	78602	78602
5°	77710	77485	77070
10°	81459	80480	79920
15°	80091	79236	78950
20°	72962	73255	72999
25°	58528	59440	58528
30°	33588	34444	34702
35°	9587	11542	9860
40°	2451	3530	2518
45°	268	1242	195
50°	0	214	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: 1242 cd/sqm



TEST NUMBER: P1312148

CATALOG NUMBER: LDSQA3D02R559050DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	12.5
10°-20°	123.7	35.6
20°-30°	136.2	39.2
30°-40°	40.7	11.7
40°-50°	3.1	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°	303.2	87.4
0°-40°	343.9	99.1
0°-60°	347.0	100.0
0°-90°	347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	347.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	456	456	456	456	456	
5°	450	449	448	446	446	44
15°	449	446	444	443	443	125
25°	308	308	313	312	308	135
35°	46	48	55	50	47	38
45°	1	3	5	3	1	2
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	0



TEST NUMBER: P1312148

CATALOG NUMBER: LDSQA3D02R559050DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	456.4	456.4	456.4	456.4	456.4
1°	456.2	456.2	455.6	455.4	456.2
2°	454.8	454.8	453.5	453.2	454.0
3°	451.9	451.6	450.6	449.8	450.3
4°	449.5	449.0	448.2	446.8	447.1
5°	449.5	448.7	448.2	446.3	445.8
6°	451.6	451.1	450.0	448.2	447.6
7°	455.4	454.3	453.2	450.8	450.3
8°	459.4	458.6	456.4	454.0	453.0
9°	463.4	461.5	458.8	456.4	456.2
10°	465.8	463.1	460.2	457.2	457.0
11°	465.5	463.1	459.6	457.0	456.7
12°	464.4	461.0	458.0	454.8	455.1
13°	460.7	457.5	454.6	452.2	451.6
14°	455.6	452.7	450.0	447.6	447.9
15°	449.2	446.0	444.4	442.6	442.8
17.5°	426.6	425.8	426.6	424.5	425.3
20°	398.1	397.3	399.7	398.6	398.3
22.5°	358.4	359.4	364.0	362.6	360.2
25°	308.0	308.0	312.8	312.3	308.0
27.5°	242.5	244.3	247.3	248.6	245.4
30°	168.9	173.2	173.2	175.9	174.5
32.5°	94.3	103.4	105.5	106.8	101.5
35°	45.6	48.5	54.9	50.1	46.9
37.5°	21.8	23.2	29.6	24.0	22.4
40°	10.9	12.5	15.7	13.1	11.2
42.5°	4.5	6.7	8.3	6.7	4.5
45°	1.1	2.7	5.1	2.7	0.8
47.5°	0.0	0.3	2.4	0.5	0.0
50°	0.0	0.0	0.8	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: P1312148
CATALOG NUMBER: LDSQA3D02R559050DE010 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)