

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: P1317978

Luminaire Tested: LDSQA3D02R559830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317978
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: LDSQA3D02R559830DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

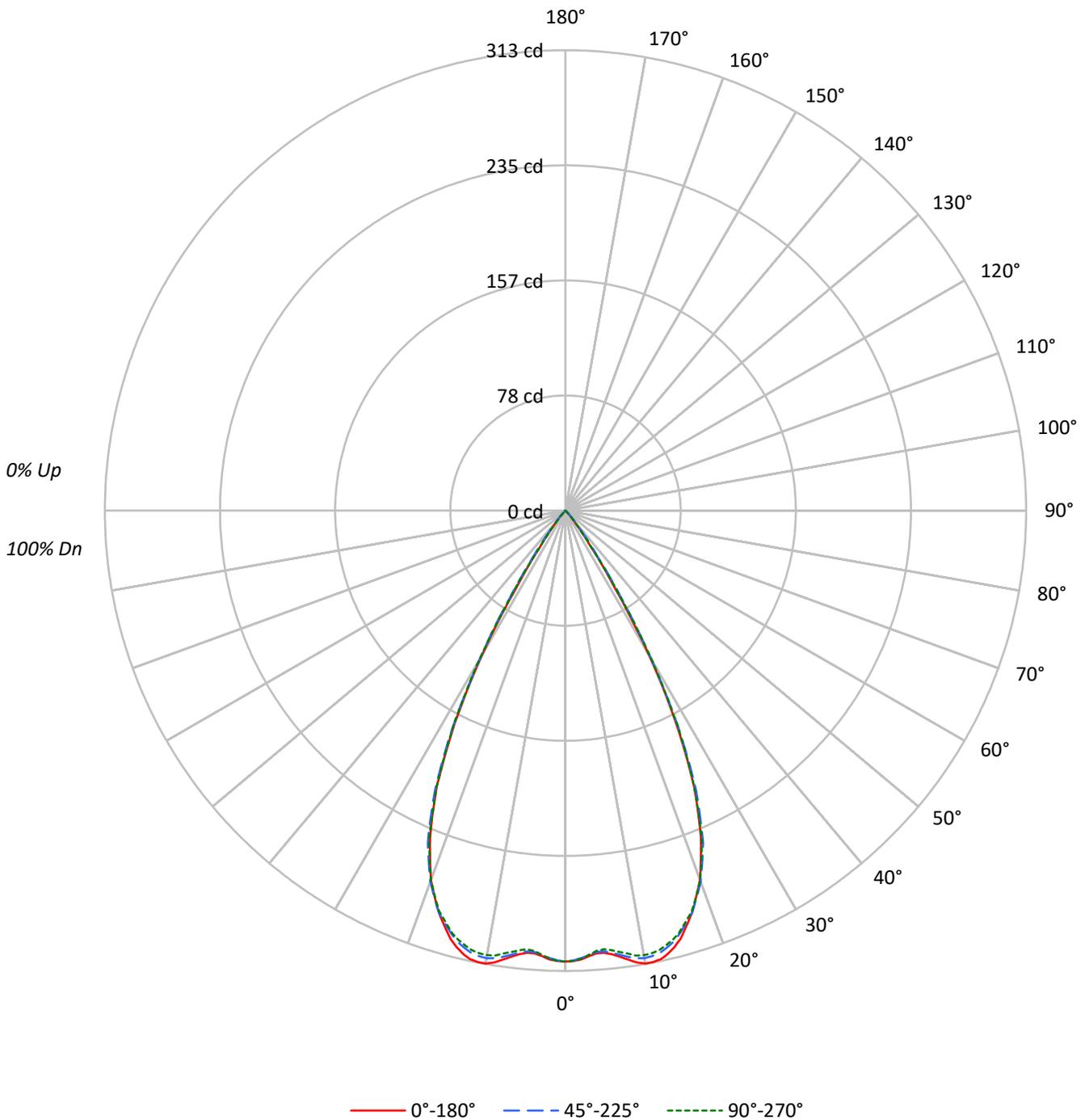
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 233.0 lumens
Efficiency: N/A
Efficacy: 64.7 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: P1317978
CATALOG NUMBER: LDSQA3D02R559830DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1317978

CATALOG NUMBER: LDSQA3D02R559830DE010 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°	52786	52786	52786
5°	52175	52020	51743
10°	54685	54038	53653
15°	53775	53204	53026
20°	48990	49191	49026
25°	39298	39906	39298
30°	22551	23128	23307
35°	6433	7758	6623
40°	1641	2383	1686
45°	170	828	122
50°	0	134	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: 828 cd/sqm



TEST NUMBER: P1317978

CATALOG NUMBER: LDSQA3D02R559830DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	12.5
10°-20°	83.0	35.6
20°-30°	91.5	39.3
30°-40°	27.3	11.7
40°-50°	2.1	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°	203.6	87.4
0°-40°	230.9	99.1
0°-60°	233.0	100.0
0°-90°	233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	233.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	306	306	306	306	306	
5°	302	301	301	300	299	29
15°	302	300	298	297	297	84
25°	207	207	210	210	207	91
35°	31	33	37	34	32	25
45°	1	2	3	2	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	0



TEST NUMBER: P1317978
 CATALOG NUMBER: LDSQA3D02R559830DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	306.5	306.5	306.5	306.5	306.5
1°	306.3	306.3	305.9	305.8	306.3
2°	305.4	305.4	304.5	304.3	304.9
3°	303.4	303.3	302.5	302.0	302.4
4°	301.8	301.5	300.9	300.0	300.2
5°	301.8	301.3	300.9	299.7	299.3
6°	303.3	302.9	302.2	300.9	300.6
7°	305.8	305.0	304.3	302.7	302.4
8°	308.4	307.9	306.5	304.9	304.1
9°	311.1	309.9	308.1	306.5	306.3
10°	312.7	310.9	309.0	307.0	306.8
11°	312.6	310.9	308.6	306.8	306.7
12°	311.8	309.5	307.5	305.4	305.6
13°	309.3	307.2	305.2	303.6	303.3
14°	305.9	304.0	302.2	300.6	300.8
15°	301.6	299.5	298.4	297.2	297.4
17.5°	286.4	285.9	286.4	285.0	285.5
20°	267.3	266.8	268.4	267.7	267.5
22.5°	240.6	241.4	244.4	243.5	241.9
25°	206.8	206.8	210.0	209.7	206.8
27.5°	162.8	164.1	166.0	166.9	164.8
30°	113.4	116.3	116.3	118.1	117.2
32.5°	63.3	69.4	70.8	71.7	68.2
35°	30.6	32.6	36.9	33.6	31.5
37.5°	14.7	15.6	19.9	16.1	15.0
40°	7.3	8.4	10.6	8.8	7.5
42.5°	3.0	4.5	5.5	4.5	3.0
45°	0.7	1.8	3.4	1.8	0.5
47.5°	0.0	0.2	1.6	0.4	0.0
50°	0.0	0.0	0.5	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: P1317978
CATALOG NUMBER: LDSQA3D02R559830DE010 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)