

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: P1317094

Luminaire Tested: LDSQA3D02R509827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R509827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

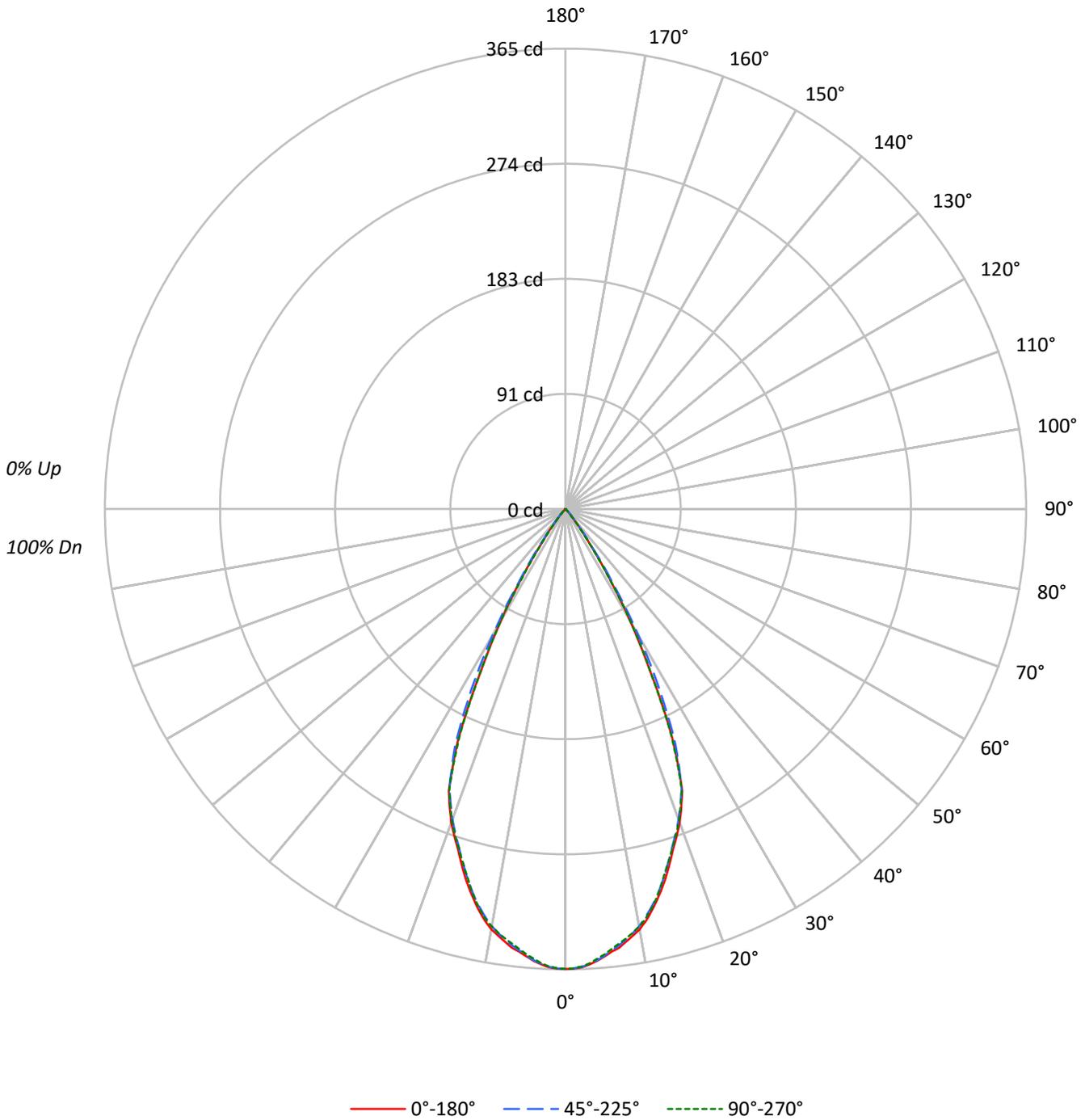
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 235.0 lumens
Efficiency: N/A
Efficacy: 65.3 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 (A_{in}): 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

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Luminous Intensity Polar Plot





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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	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	62810	62810	62810
5°	61563	61459	61286
10°	59162	58759	58777
15°	54310	53810	53739
20°	48513	48000	48238
25°	38138	39241	37815
30°	20404	22850	20463
35°	6665	7779	6286
40°	1641	2068	1574
45°	195	731	195
50°	134	214	134
55°	150	150	150
60°	103	103	103
65°	122	122	122
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 731 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	14.2
10°-20°	84.3	35.9
20°-30°	88.7	37.7
30°-40°	25.6	10.9
40°-50°	2.1	0.9
50°-60°	0.4	0.2
60°-70°	0.3	0.1
70°-80°	0.2	0.1
80°-90°	0.1	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°	206.4	87.8
0°-40°	231.9	98.7
0°-60°	234.5	99.8
0°-90°	235.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	235.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	365	365	365	365	365	
5°	356	356	356	356	354	33
15°	305	303	302	302	301	85
25°	201	206	206	204	199	87
35°	32	33	37	32	30	24
45°	1	2	3	2	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	364.7	364.7	364.7	364.7	364.7
1°	364.5	364.8	364.2	365.3	364.3
2°	363.7	363.8	363.5	364.3	363.0
3°	361.7	362.0	361.3	362.0	360.8
4°	359.3	359.3	358.7	359.2	357.6
5°	356.1	356.0	355.5	355.8	354.5
6°	352.8	352.6	351.8	351.8	350.8
7°	350.3	349.1	348.5	348.3	347.3
8°	346.3	346.0	344.6	344.6	344.0
9°	342.3	342.0	340.5	340.8	340.3
10°	338.3	337.1	336.0	336.1	336.1
11°	333.0	332.0	330.3	331.0	331.3
12°	326.6	325.5	324.0	325.3	325.1
13°	319.6	318.6	317.4	318.4	318.1
14°	312.3	310.8	309.8	310.4	310.1
15°	304.6	302.6	301.8	301.8	301.4
17.5°	283.1	281.9	281.1	280.6	281.7
20°	264.7	263.7	261.9	262.4	263.2
22.5°	241.7	241.5	240.5	239.7	240.7
25°	200.7	205.7	206.5	204.2	199.0
27.5°	145.8	157.5	161.6	156.1	146.6
30°	102.6	108.1	114.9	104.1	102.9
32.5°	61.9	63.4	69.7	62.2	60.6
35°	31.7	32.9	37.0	31.7	29.9
37.5°	14.8	15.5	17.2	14.8	13.8
40°	7.3	8.2	9.2	7.7	7.0
42.5°	3.2	4.2	5.3	4.0	2.8
45°	0.8	1.7	3.0	1.7	0.8
47.5°	0.5	0.7	1.7	0.7	0.5
50°	0.5	0.5	0.8	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.3	0.5	0.3	0.5	0.3
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.0	0.2	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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)