

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: P1319712

Luminaire Tested: LDSQA3D02R459840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R459840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

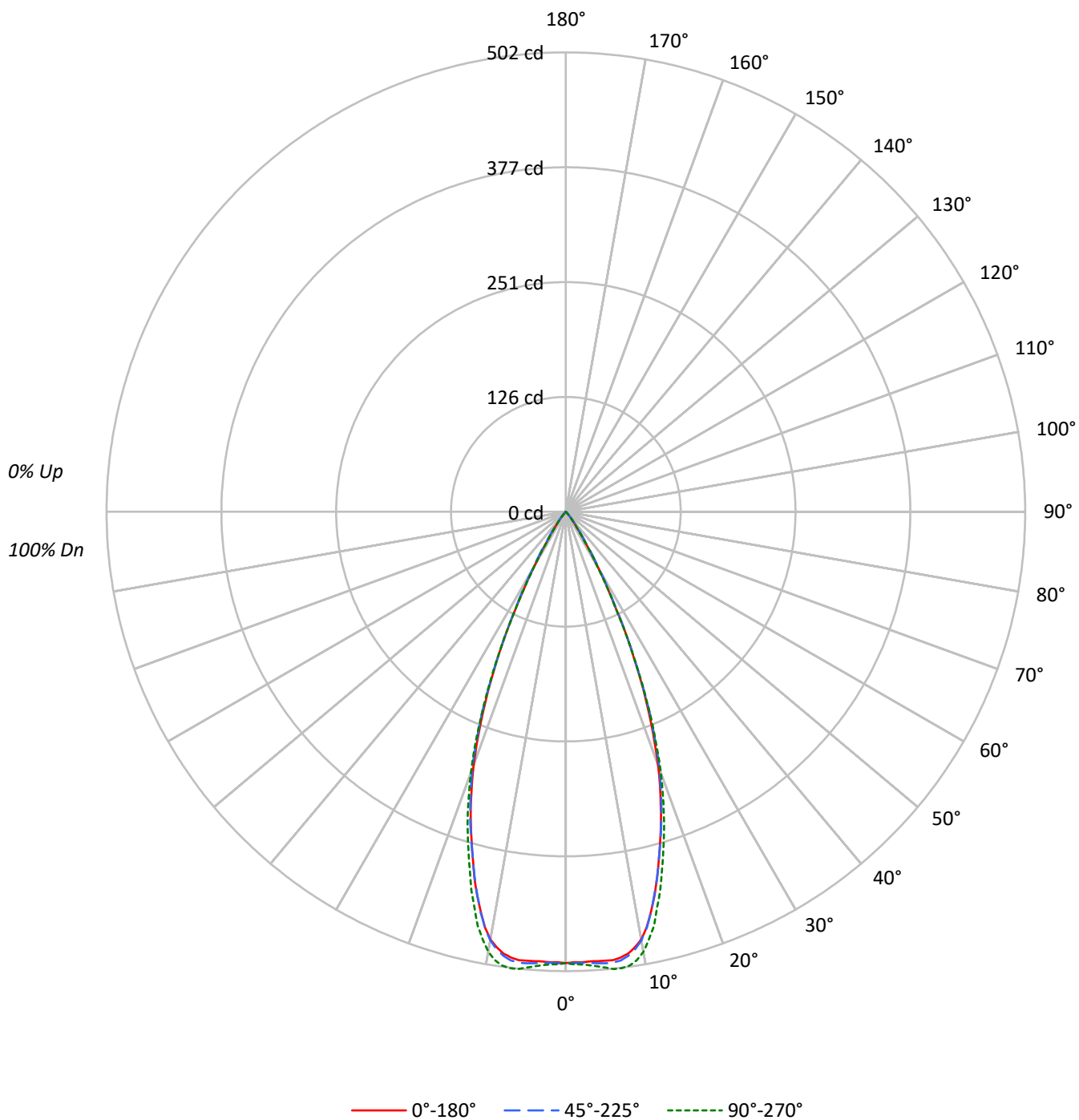
Lumens per Lamp: N/A
Luminaire Lumens: 255.0 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	84940	84940	84940
5°	85144	85628	86475
10°	82998	83173	85359
15°	70035	70053	72353
20°	54048	54818	55716
25°	33540	33578	33787
30°	13841	14696	13602
35°	4310	5256	4142
40°	1326	1844	1237
45°	97	682	97
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: 682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	18.4
10°-20°	109.1	42.8
20°-30°	80.1	31.4
30°-40°	17.2	6.7
40°-50°	1.6	0.6
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°	236.1	92.6
0°-40°	253.4	99.4
0°-60°	255.0	100.0
0°-90°	255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	493	493	493	493	493	
5°	492	494	495	499	500	47
15°	393	392	393	399	406	108
25°	176	176	177	177	178	79
35°	20	22	25	21	20	16
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	493.2	493.2	493.2	493.2	493.2
1°	492.3	493.4	493.4	494.2	494.5
2°	492.6	493.4	493.2	494.5	495.1
3°	492.1	493.4	493.8	495.3	496.2
4°	492.3	493.4	494.5	496.8	498.1
5°	492.5	493.8	495.3	498.7	500.2
6°	492.6	493.6	495.3	499.7	502.5
7°	490.8	492.1	494.0	499.5	502.5
8°	487.7	488.5	490.0	497.2	500.8
9°	482.0	481.8	484.1	492.1	496.2
10°	474.6	472.4	475.6	483.5	488.1
11°	462.7	460.2	463.1	471.6	476.0
12°	447.2	447.2	447.7	455.3	462.9
13°	430.7	428.8	429.9	438.4	443.7
14°	412.5	410.6	411.7	418.2	426.5
15°	392.8	392.0	392.9	399.2	405.8
17.5°	345.9	344.2	347.6	353.9	357.3
20°	294.9	297.8	299.1	303.1	304.0
22.5°	236.4	239.4	241.3	241.9	242.4
25°	176.5	175.9	176.7	176.7	177.8
27.5°	116.0	116.0	118.1	116.8	115.4
30°	69.6	72.4	73.9	71.5	68.4
32.5°	37.9	40.8	43.2	39.6	37.0
35°	20.5	22.0	25.0	21.4	19.7
37.5°	11.2	12.5	14.4	12.1	11.2
40°	5.9	7.2	8.2	7.2	5.5
42.5°	1.9	3.6	4.7	3.6	1.7
45°	0.4	1.1	2.8	1.1	0.4
47.5°	0.0	0.2	1.3	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



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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)