

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: P1319702

Luminaire Tested: LDSQA3D02R409840DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409840DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

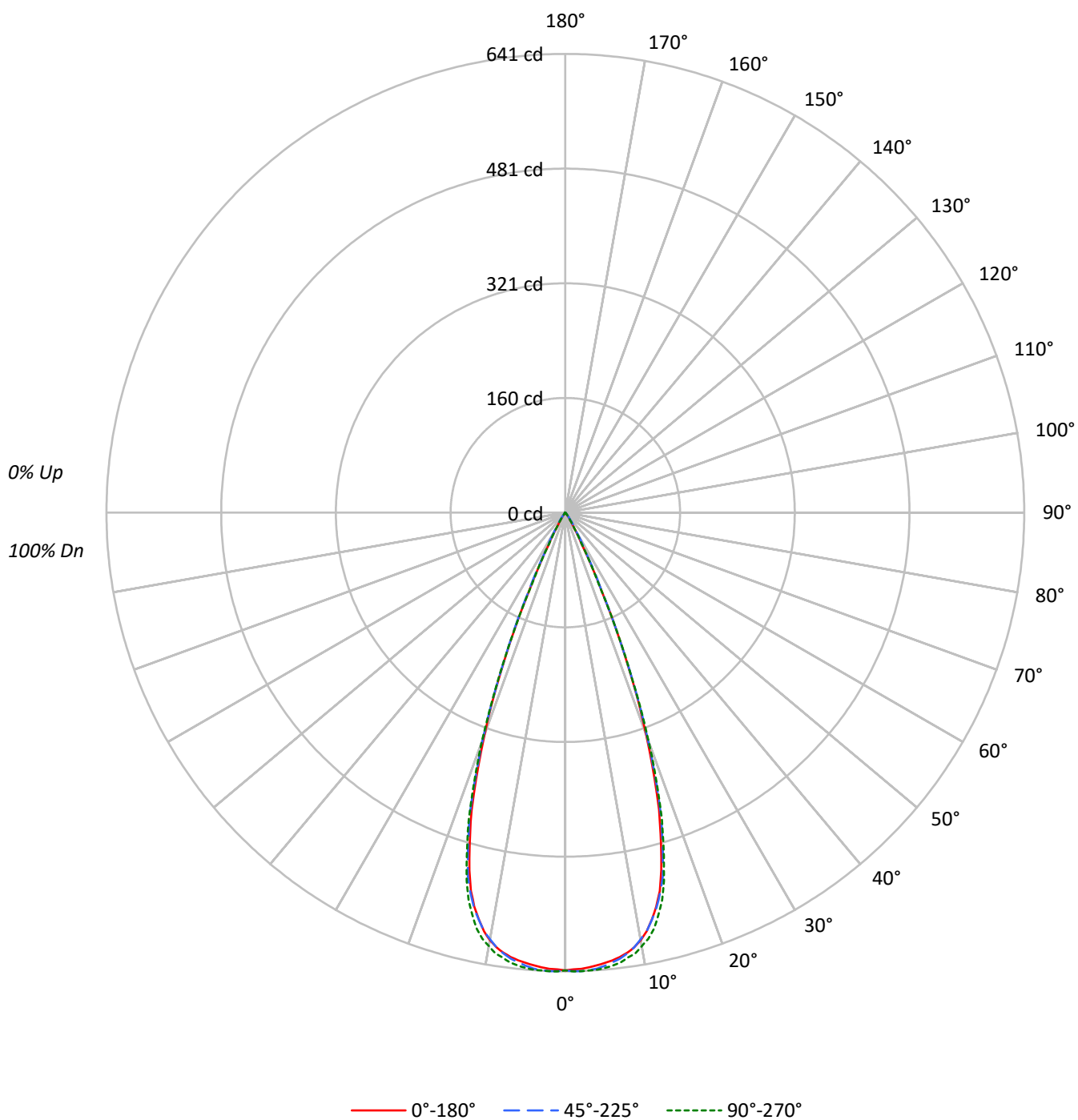
Lumens per Lamp: N/A
Luminaire Lumens: 269.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80
9	87	80	76	73	86	80	75	73	79	75	72		78	75	72		77
10	85	77	73	70	84	77	73	70	76	72	70		76	72	70		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	110171	110171	110171
5°	109209	109900	110419
10°	106099	105907	107568
15°	92305	93785	94944
20°	60573	61764	62552
25°	21606	22860	21492
30°	4713	6364	4753
35°	1514	2628	1472
40°	472	809	427
45°	49	268	49
50°	0	54	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: 268 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	22.2
10°-20°	139.3	51.8
20°-30°	62.5	23.2
30°-40°	6.7	2.5
40°-50°	0.6	0.2
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°	261.6	97.3
0°-40°	268.4	99.8
0°-60°	269.0	100.0
0°-90°	269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	269.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	640	640	640	640	640	
5°	632	633	636	637	639	60
15°	518	522	526	529	532	138
25°	114	117	120	122	113	61
35°	7	8	12	8	7	6
45°	0	0	1	0	0	0
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°	639.7	639.7	639.7	639.7	639.7
1°	638.4	639.7	640.8	639.9	641.2
2°	637.8	639.3	641.0	640.1	641.2
3°	636.3	638.2	640.1	639.5	640.6
4°	634.2	635.7	638.6	638.6	640.3
5°	631.7	633.4	635.7	636.7	638.7
6°	629.1	630.0	631.7	633.6	636.5
7°	625.7	625.7	627.8	629.6	633.4
8°	620.9	620.6	622.1	624.5	627.9
9°	615.1	613.7	614.9	618.5	623.6
10°	606.7	605.6	605.6	610.1	615.1
11°	595.9	595.6	595.7	600.1	606.7
12°	581.3	581.7	581.7	586.7	594.8
13°	564.9	564.7	566.4	571.9	577.4
14°	544.8	545.9	547.6	552.6	558.2
15°	517.7	521.5	526.0	529.1	532.5
17.5°	435.3	439.1	445.3	447.8	448.6
20°	330.5	336.0	337.0	341.9	341.3
22.5°	221.6	221.2	222.0	222.6	222.8
25°	113.7	117.1	120.3	122.4	113.1
27.5°	49.4	55.3	59.5	54.0	50.0
30°	23.7	26.9	32.0	27.1	23.9
32.5°	12.9	15.0	20.3	14.8	12.7
35°	7.2	8.3	12.5	8.1	7.0
37.5°	4.2	4.5	6.8	4.5	4.0
40°	2.1	2.7	3.6	2.7	1.9
42.5°	0.8	1.3	1.9	1.3	0.8
45°	0.2	0.4	1.1	0.4	0.2
47.5°	0.0	0.0	0.6	0.0	0.0
50°	0.0	0.0	0.2	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)