

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: P1319659

Luminaire Tested: LDSQA3D02R259840DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R259840DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

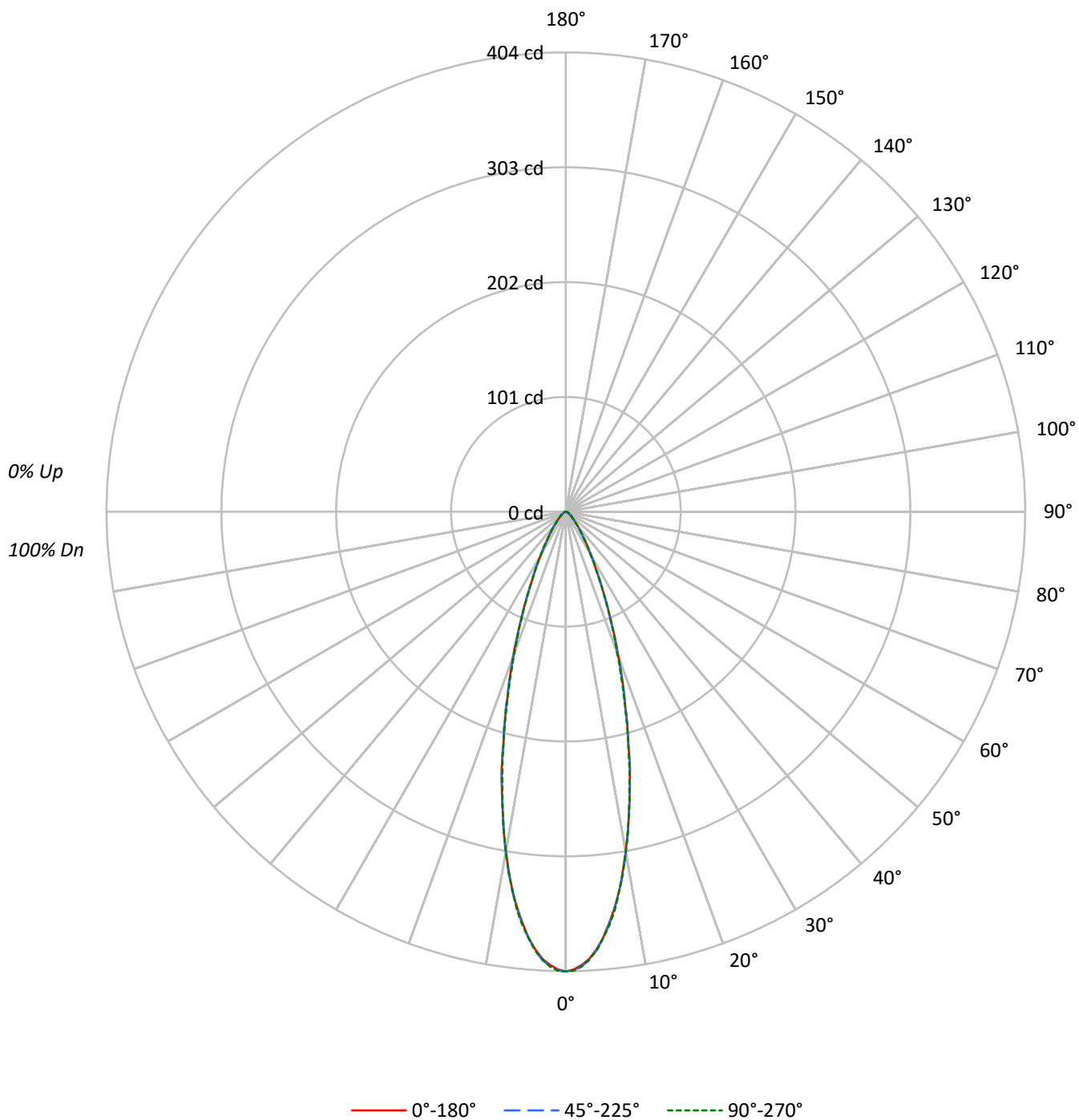
Lumens per Lamp: N/A
Luminaire Lumens: 162.0 lumens
Efficiency: N/A
Efficacy: 45.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	69630	69630	69630
5°	64986	65055	65090
10°	53006	53181	53181
15°	37870	38067	37870
20°	24779	24541	24192
25°	14727	14803	14727
30°	8869	8869	8830
35°	5403	5445	5403
40°	3440	3485	3485
45°	2387	2387	2387
50°	1715	1768	1768
55°	1351	1351	1411
60°	1102	1171	1171
65°	1019	1019	1019
70°	856	856	957
75°	732	732	865
80°	793	793	793
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2387 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	20.7
10°-20°	58.6	36.2
20°-30°	36.8	22.7
30°-40°	16.8	10.4
40°-50°	7.8	4.8
50°-60°	4.2	2.6
60°-70°	2.5	1.5
70°-80°	1.3	0.8
80°-90°	0.3	0.2
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°	129.0	79.6
0°-40°	145.8	90.0
0°-60°	157.9	97.5
0°-90°	162.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	162.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	404	404	404	404	404	
5°	376	377	376	377	376	34
15°	212	214	214	214	212	59
25°	78	78	78	78	78	37
35°	26	26	26	26	26	17
45°	10	10	10	10	10	8
55°	4	4	4	5	5	4
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	404.3	404.3	404.3	404.3	404.3
1°	402.6	403.0	403.4	403.9	403.7
2°	398.8	399.6	399.8	400.5	400.3
3°	393.7	393.5	395.0	395.0	394.1
4°	385.8	386.2	386.5	386.9	387.1
5°	375.9	376.7	376.3	376.7	376.5
6°	363.8	365.0	364.8	365.2	365.7
7°	351.0	351.7	351.7	351.4	352.9
8°	337.0	336.4	337.4	337.0	336.8
9°	320.3	321.5	321.7	320.7	321.1
10°	303.1	303.9	304.1	304.6	304.1
11°	286.1	286.1	286.5	287.4	285.9
12°	267.6	269.3	267.6	268.3	267.6
13°	250.0	250.4	250.0	249.8	248.5
14°	233.4	232.0	232.4	230.9	231.1
15°	212.4	213.7	213.5	213.9	212.4
17.5°	170.8	171.5	171.3	171.0	169.1
20°	135.2	135.2	133.9	133.1	132.0
22.5°	103.3	102.9	102.3	101.7	102.1
25°	77.5	78.5	77.9	77.9	77.5
27.5°	58.6	59.8	58.8	58.2	58.6
30°	44.6	45.0	44.6	44.4	44.4
32.5°	33.7	33.8	33.7	33.7	33.7
35°	25.7	25.7	25.9	25.9	25.7
37.5°	19.9	19.9	19.9	19.9	20.0
40°	15.3	15.5	15.5	15.5	15.5
42.5°	12.1	12.3	12.3	12.3	12.3
45°	9.8	9.8	9.8	9.8	9.8
47.5°	7.9	7.9	7.9	7.9	8.1
50°	6.4	6.6	6.6	6.6	6.6
52.5°	5.5	5.5	5.5	5.5	5.5
55°	4.5	4.5	4.5	4.7	4.7
57.5°	3.8	3.8	4.0	4.0	4.0
60°	3.2	3.4	3.4	3.4	3.4
62.5°	2.8	2.8	3.0	3.0	3.0
65°	2.5	2.5	2.5	2.5	2.5
67.5°	2.1	2.1	2.1	2.1	2.3
70°	1.7	1.7	1.7	1.9	1.9
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.1	1.1	1.1	1.3	1.3
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.4	0.4	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2
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)