

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: P1306669

Luminaire Tested: LDSQA3D02R309024DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309024DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

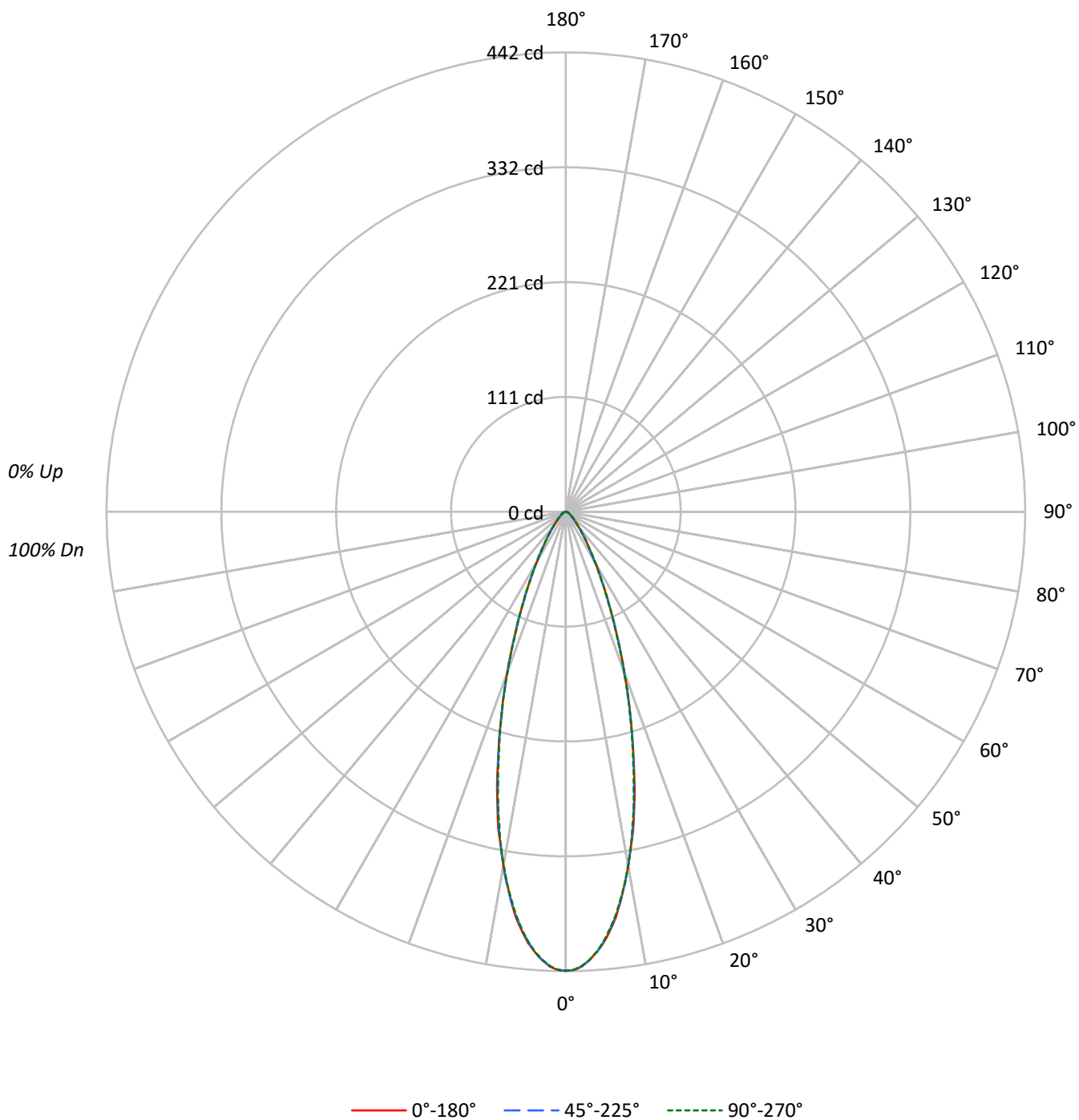
Lumens per Lamp: N/A
Luminaire Lumens: 194.0 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	76071	76071	76071
5°	72022	71849	71797
10°	60508	60508	60281
15°	45092	44967	44699
20°	30167	30021	30057
25°	18604	18566	18642
30°	11176	11176	11236
35°	6854	6854	6896
40°	4339	4339	4429
45°	2971	3020	3020
50°	2197	2197	2197
55°	1681	1742	1742
60°	1412	1412	1481
65°	1223	1223	1223
70°	1057	1209	1209
75°	998	998	998
80°	893	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3020 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	19.3
10°-20°	69.1	35.6
20°-30°	46.0	23.7
30°-40°	21.2	10.9
40°-50°	9.9	5.1
50°-60°	5.3	2.7
60°-70°	3.1	1.6
70°-80°	1.6	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°	152.6	78.6
0°-40°	173.8	89.6
0°-60°	188.9	97.4
0°-90°	194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	194.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	442	442	442	442	442	
5°	417	416	416	417	415	37
15°	253	254	252	252	251	69
25°	98	98	98	98	98	46
35°	33	32	33	33	33	21
45°	12	12	12	12	12	10
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	441.7	441.7	441.7	441.7	441.7
1°	440.9	440.5	440.9	441.5	440.7
2°	437.9	437.4	437.4	438.3	437.4
3°	432.1	432.5	432.3	433.2	431.7
4°	424.8	424.6	425.4	425.9	424.6
5°	416.6	415.8	415.6	416.6	415.3
6°	405.5	404.8	404.4	405.7	404.0
7°	393.4	393.0	392.4	392.8	391.5
8°	378.6	378.4	378.0	378.4	376.9
9°	362.1	362.1	363.0	362.7	361.9
10°	346.0	346.4	346.0	346.4	344.7
11°	328.0	328.0	328.4	328.2	328.4
12°	312.3	310.6	310.2	309.7	308.4
13°	292.1	290.8	290.4	290.8	290.2
14°	273.7	272.8	270.7	271.1	270.2
15°	252.9	253.7	252.2	252.2	250.7
17.5°	206.7	205.8	206.3	206.5	205.8
20°	164.6	164.2	163.8	163.3	164.0
22.5°	127.9	128.1	127.7	127.3	126.9
25°	97.9	97.7	97.7	97.7	98.1
27.5°	74.3	74.3	74.3	74.5	74.5
30°	56.2	55.8	56.2	56.5	56.5
32.5°	42.1	42.5	42.7	42.7	42.7
35°	32.6	32.4	32.6	32.8	32.8
37.5°	24.9	24.9	25.1	25.1	25.3
40°	19.3	19.3	19.3	19.5	19.7
42.5°	15.2	15.2	15.5	15.5	15.7
45°	12.2	12.2	12.4	12.4	12.4
47.5°	9.9	9.9	10.1	10.1	10.1
50°	8.2	8.2	8.2	8.2	8.2
52.5°	6.9	6.7	6.9	6.9	6.9
55°	5.6	5.8	5.8	5.8	5.8
57.5°	4.7	4.9	4.9	4.9	4.9
60°	4.1	4.1	4.1	4.3	4.3
62.5°	3.4	3.6	3.6	3.6	3.6
65°	3.0	3.0	3.0	3.0	3.0
67.5°	2.6	2.6	2.6	2.6	2.8
70°	2.1	2.1	2.4	2.4	2.4
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.1	1.1	1.3	1.3	1.1
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.6	0.6	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)