

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: P1309839

Luminaire Tested: LDSQA3D02R209035DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R209035DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

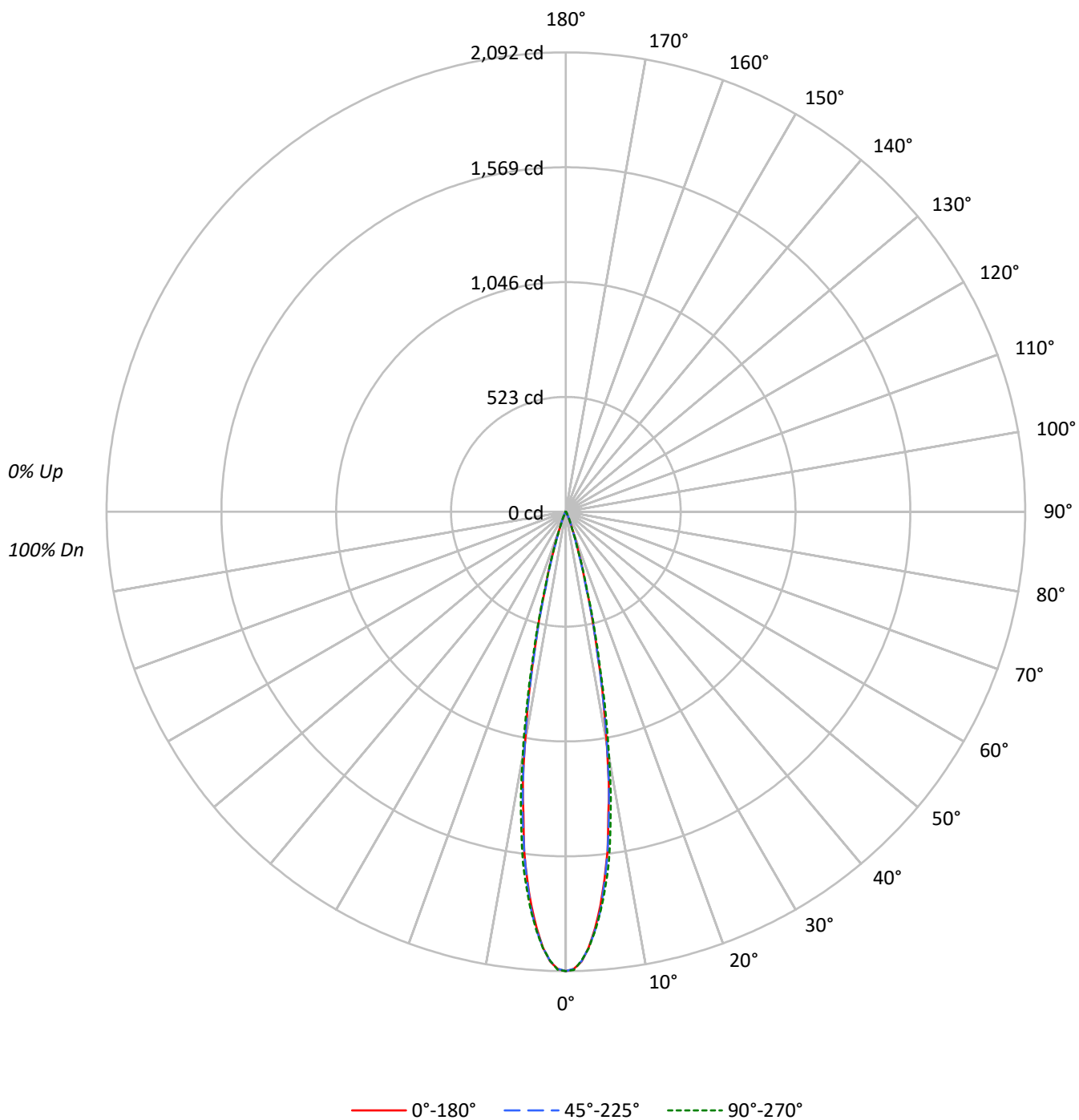
Lumens per Lamp: N/A
Luminaire Lumens: 281.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1309839

CATALOG NUMBER: LDSQA3D02R209035DE010 3LSQPHR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1309839

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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	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	98	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94	94	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92	92	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	91	91	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	89	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	87	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	86	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	84	89	86	84	88	86	84	88	86	84	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	360307	360307	360307
5°	311271	314158	315334
10°	187383	189132	198541
15°	64811	63296	68342
20°	17026	16018	16055
25°	3706	4466	5093
30°	1591	1591	1651
35°	904	799	841
40°	405	450	517
45°	122	195	195
50°	80	80	80
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: 22.5°

Vertical Angle: 45°

Luminance: 195 cd/sqm

TEST NUMBER: P1309839

CATALOG NUMBER: LDSQA3D02R209035DE010 3LSQPHR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	53.2
10°-20°	113.9	40.5
20°-30°	14.1	5.0
30°-40°	2.7	1.0
40°-50°	0.7	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°	277.7	98.8
0°-40°	280.3	99.7
0°-60°	281.0	100.0
0°-90°	281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	281.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2092	2092	2092	2092	2092	
5°	1800	1799	1817	1816	1824	148
15°	364	350	355	376	383	114
25°	20	22	24	24	27	13
35°	4	4	4	4	4	3
45°	0	1	1	1	1	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°	2092.1	2092.1	2092.1	2092.1	2092.1
1°	2082.4	2079.9	2081.9	2077.6	2086.4
2°	2049.1	2046.6	2046.6	2044.1	2045.3
3°	1987.0	1991.0	1988.5	1983.2	1990.0
4°	1902.4	1906.9	1910.9	1911.1	1912.1
5°	1800.5	1799.2	1817.2	1816.0	1824.0
6°	1684.3	1682.8	1690.6	1703.6	1719.6
7°	1556.6	1538.4	1559.1	1585.4	1607.0
8°	1391.4	1396.2	1410.4	1441.5	1458.8
9°	1251.2	1223.4	1253.7	1290.8	1309.6
10°	1071.5	1048.9	1081.5	1120.5	1135.3
12.5°	674.4	654.9	665.4	706.5	713.0
15°	363.5	350.5	355.0	376.3	383.3
17.5°	185.5	173.7	171.2	184.8	186.3
20°	92.9	90.1	87.4	88.6	87.6
22.5°	43.1	46.8	46.3	43.8	46.8
25°	19.5	22.3	23.5	24.5	26.8
27.5°	12.0	11.5	13.3	14.3	14.5
30°	8.0	7.8	8.0	8.3	8.3
32.5°	5.8	5.5	5.3	5.3	5.5
35°	4.3	4.3	3.8	4.0	4.0
37.5°	3.0	3.0	2.8	3.0	3.0
40°	1.8	2.0	2.0	2.0	2.3
42.5°	1.0	1.3	1.3	1.3	1.3
45°	0.5	0.8	0.8	0.8	0.8
47.5°	0.3	0.3	0.3	0.5	0.5
50°	0.3	0.3	0.3	0.3	0.3
52.5°	0.3	0.0	0.0	0.0	0.3
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)