

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: P1318161

Luminaire Tested: LDSQA3D09R159830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159830DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

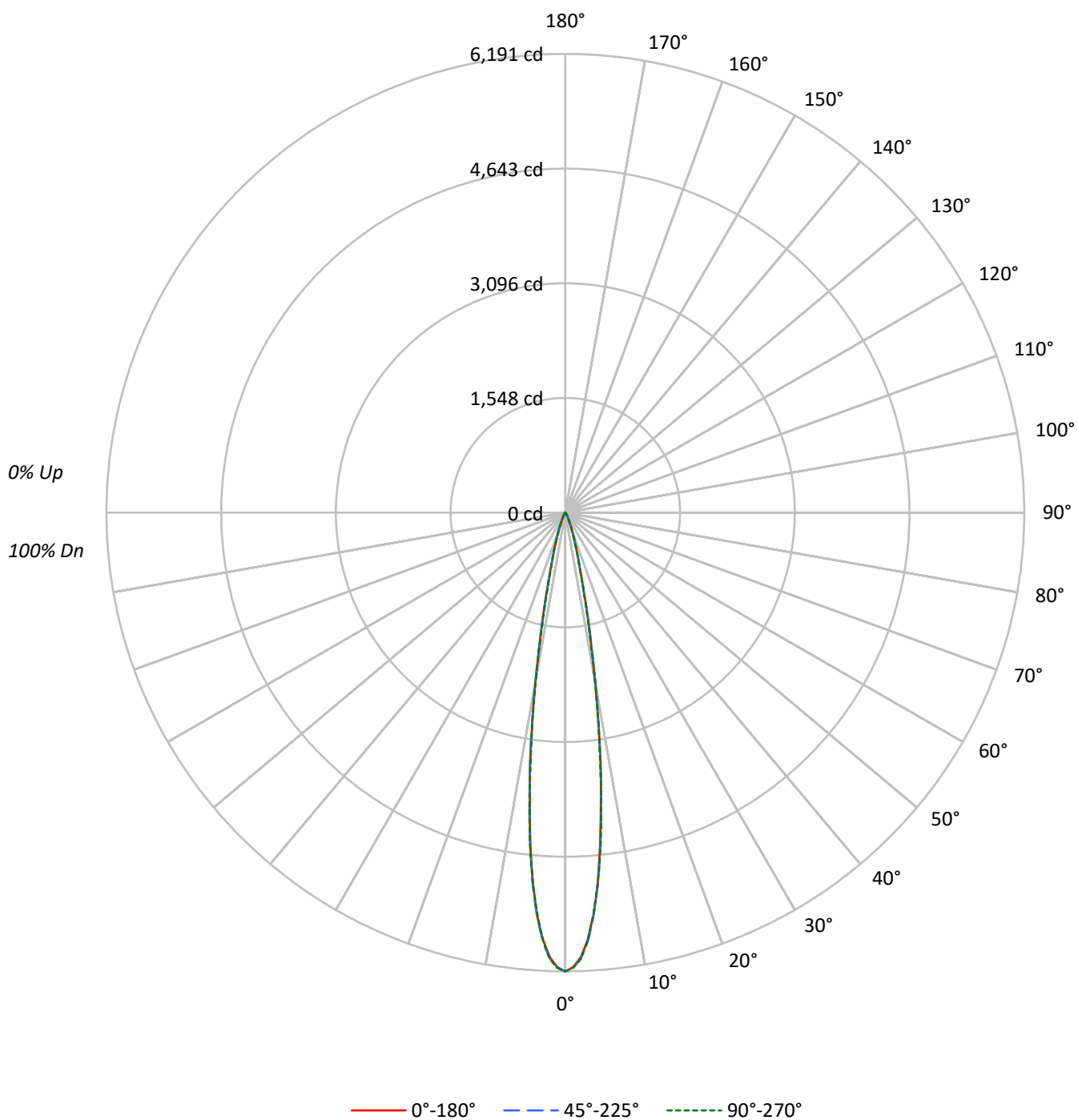
Lumens per Lamp: N/A
Luminaire Lumens: 691.0 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1318161

CATALOG NUMBER: LDSQA3D09R159830DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1318161

CATALOG NUMBER: LDSQA3D09R159830DE010 3LSQCDR1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1066282	1066282	1066282
5°	868154	870989	869295
10°	404968	408606	403447
15°	127162	128250	127465
20°	50382	52380	48788
25°	20352	24608	19630
30°	8153	11196	7716
35°	2418	4941	2292
40°	742	1844	607
45°	122	390	122
50°	0	134	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: 390 cd/sqm

TEST NUMBER: P1318161

CATALOG NUMBER: LDSQA3D09R159830DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.6	56.1
10°-20°	231.8	33.6
20°-30°	58.5	8.5
30°-40°	11.9	1.7
40°-50°	1.1	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°	677.9	98.1
0°-40°	689.9	99.8
0°-60°	691.0	100.0
0°-90°	691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	691.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6191	6191	6191	6191	6191	
5°	5022	5012	5038	5026	5028	386
15°	713	719	719	709	715	232
25°	107	117	130	115	103	55
35°	12	15	24	15	11	9
45°	0	1	2	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	

TEST NUMBER: P1318161

CATALOG NUMBER: LDSQA3D09R159830DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6191.3	6191.3	6191.3	6191.3	6191.3
1°	6135.6	6156.4	6145.4	6154.2	6144.3
2°	6002.8	6030.6	6021.9	6019.2	6026.8
3°	5768.9	5801.1	5800.0	5791.8	5778.7
4°	5449.7	5436.5	5456.8	5454.6	5432.2
5°	5021.7	5012.4	5038.1	5025.5	5028.3
6°	4498.1	4538.6	4529.8	4530.9	4541.3
7°	3935.7	3957.6	3976.2	3991.5	3970.1
8°	3419.2	3413.8	3415.4	3432.9	3373.9
9°	2841.0	2874.9	2853.0	2818.0	2840.4
10°	2315.7	2336.5	2336.5	2305.9	2307.0
11°	1846.3	1863.2	1851.2	1858.8	1810.7
12°	1488.3	1446.2	1436.3	1444.0	1443.4
13°	1136.3	1139.0	1136.3	1135.7	1130.3
14°	890.9	905.1	899.1	884.3	877.8
15°	713.2	719.3	719.3	708.9	714.9
17.5°	428.5	435.6	437.2	430.1	430.1
20°	274.9	278.2	285.8	275.5	266.2
22.5°	169.4	176.5	189.7	174.3	166.7
25°	107.1	117.0	129.5	114.8	103.3
27.5°	67.2	75.4	86.4	72.1	65.0
30°	41.0	46.5	56.3	45.4	38.8
32.5°	23.0	27.3	35.5	26.2	21.9
35°	11.5	15.3	23.5	14.8	10.9
37.5°	6.6	8.2	14.8	7.1	6.0
40°	3.3	4.4	8.2	4.4	2.7
42.5°	1.1	2.2	3.3	2.2	1.1
45°	0.5	1.1	1.6	1.1	0.5
47.5°	0.0	0.0	0.5	0.0	0.0
50°	0.0	0.0	0.5	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



TEST NUMBER: P1318161
CATALOG NUMBER: LDSQA3D09R159830DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)