

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: P1314432

Luminaire Tested: LDSQA3D09R159730DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314432
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: LDSQA3D09R159730DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

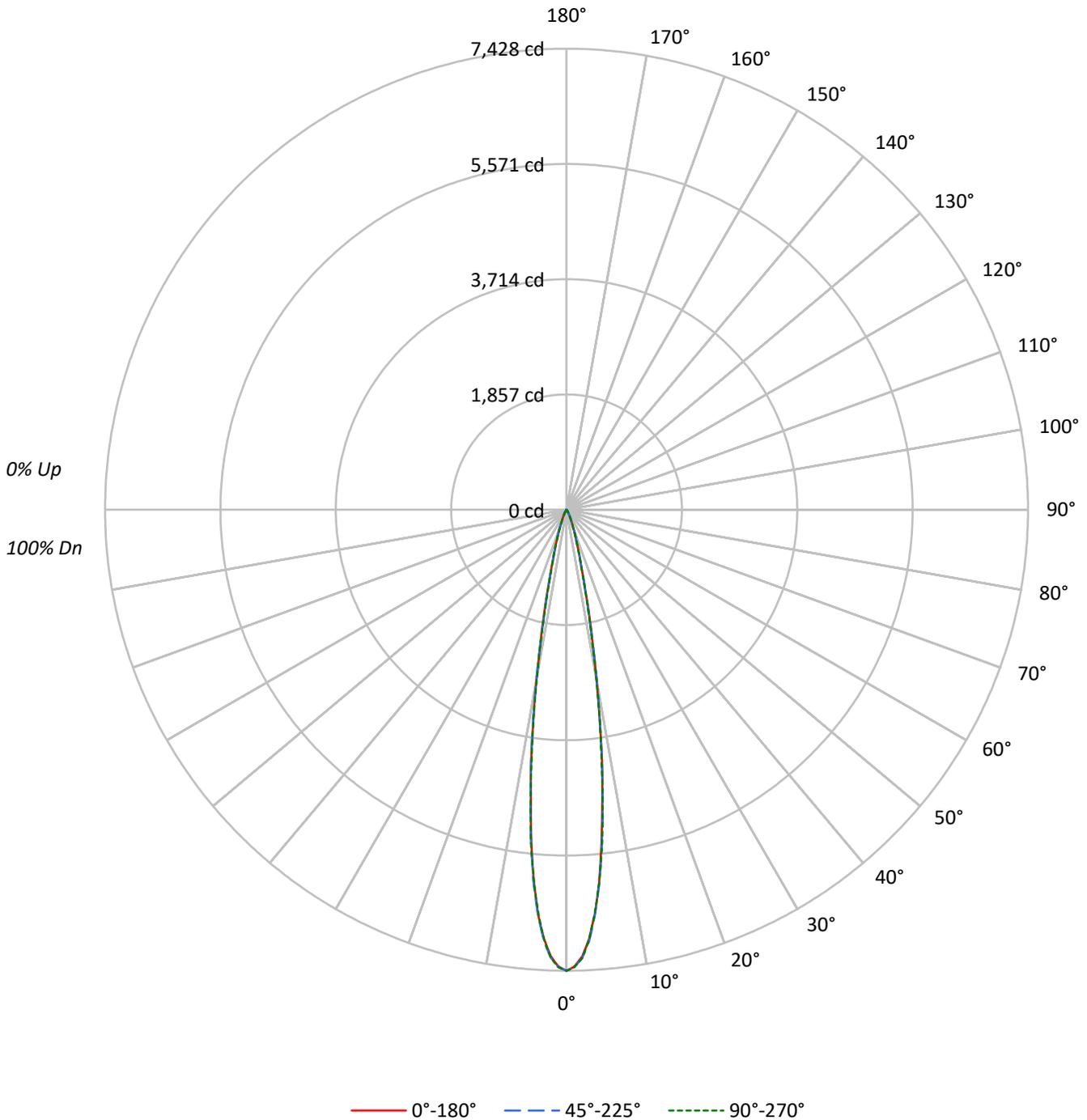
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 829.0 lumens
Efficiency: N/A
Efficacy: 74.7 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): 11.1
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: P1314432
CATALOG NUMBER: LDSQA3D09R159730DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1314432

CATALOG NUMBER: LDSQA3D09R159730DE010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									20
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	102	102	102	102	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	100	100	100	100	100	100	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	97	97	97	97	97	97	97	97	97	97	96																
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	95	95	95	95	95	95	95	95	95	95	94																
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	94	93	93	93	93	93	93	93	93	93	93	93	93	93	92																
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	91	91	91	91	91	91	91	91	91	91	90																
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	90	90	90	90	90	90	90	90	90	90	89																
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	88	88	88	88	88	88	88	88	88	88	87																
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	87	87	87	87	87	87	87	87	87	87	86																
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	85	85	85	85	85	85	85	85	85	85	84																
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	84	84	84	84	84	84	84	84	84	84	83																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1279235	1279235	1279235
5°	1041536	1044942	1042902
10°	485850	490205	484014
15°	152570	153853	152926
20°	60444	62845	58520
25°	24418	29530	23544
30°	9784	13423	9267
35°	2901	5929	2754
40°	877	2203	742
45°	170	487	170
50°	0	188	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: 487 cd/sqm



TEST NUMBER: P1314432

CATALOG NUMBER: LDSQA3D09R159730DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.1	56.1
10°-20°	278.1	33.6
20°-30°	70.1	8.5
30°-40°	14.3	1.7
40°-50°	1.3	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°	813.3	98.1
0°-40°	827.6	99.8
0°-60°	829.0	100.0
0°-90°	829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	829.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7428	7428	7428	7428	7428	
5°	6025	6014	6044	6029	6032	464
15°	856	863	863	850	858	278
25°	128	140	155	138	124	66
35°	14	18	28	18	13	11
45°	1	1	2	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	0



TEST NUMBER: P1314432

CATALOG NUMBER: LDSQA3D09R159730DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7427.8	7427.8	7427.8	7427.8	7427.8
1°	7360.9	7385.8	7372.7	7383.2	7371.4
2°	7201.6	7235.0	7224.5	7221.3	7230.4
3°	6921.0	6959.6	6958.3	6948.5	6932.8
4°	6538.0	6522.3	6546.5	6543.9	6517.0
5°	6024.6	6013.5	6044.3	6029.2	6032.5
6°	5396.4	5445.0	5434.5	5435.8	5448.2
7°	4721.7	4747.9	4770.2	4788.6	4763.0
8°	4102.1	4095.5	4097.5	4118.5	4047.7
9°	3408.3	3449.0	3422.8	3380.8	3407.7
10°	2778.2	2803.1	2803.1	2766.4	2767.7
11°	2215.0	2235.3	2220.9	2230.0	2172.3
12°	1785.5	1735.0	1723.2	1732.4	1731.7
13°	1363.2	1366.5	1363.2	1362.6	1356.0
14°	1068.8	1085.8	1078.6	1060.9	1053.1
15°	855.7	862.9	862.9	850.4	857.7
17.5°	514.1	522.6	524.6	516.0	516.0
20°	329.8	333.8	342.9	330.5	319.3
22.5°	203.3	211.8	227.5	209.2	200.0
25°	128.5	140.3	155.4	137.7	123.9
27.5°	80.7	90.5	103.6	86.6	78.0
30°	49.2	55.7	67.5	54.4	46.6
32.5°	27.5	32.8	42.6	31.5	26.2
35°	13.8	18.4	28.2	17.7	13.1
37.5°	7.9	9.8	17.7	8.5	7.2
40°	3.9	5.2	9.8	5.2	3.3
42.5°	1.3	2.6	3.9	2.6	1.3
45°	0.7	1.3	2.0	1.3	0.7
47.5°	0.0	0.0	0.7	0.0	0.0
50°	0.0	0.0	0.7	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: P1314432
CATALOG NUMBER: LDSQA3D09R159730DE010 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)