

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: P1306970

Luminaire Tested: LDSQA3D09R259024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

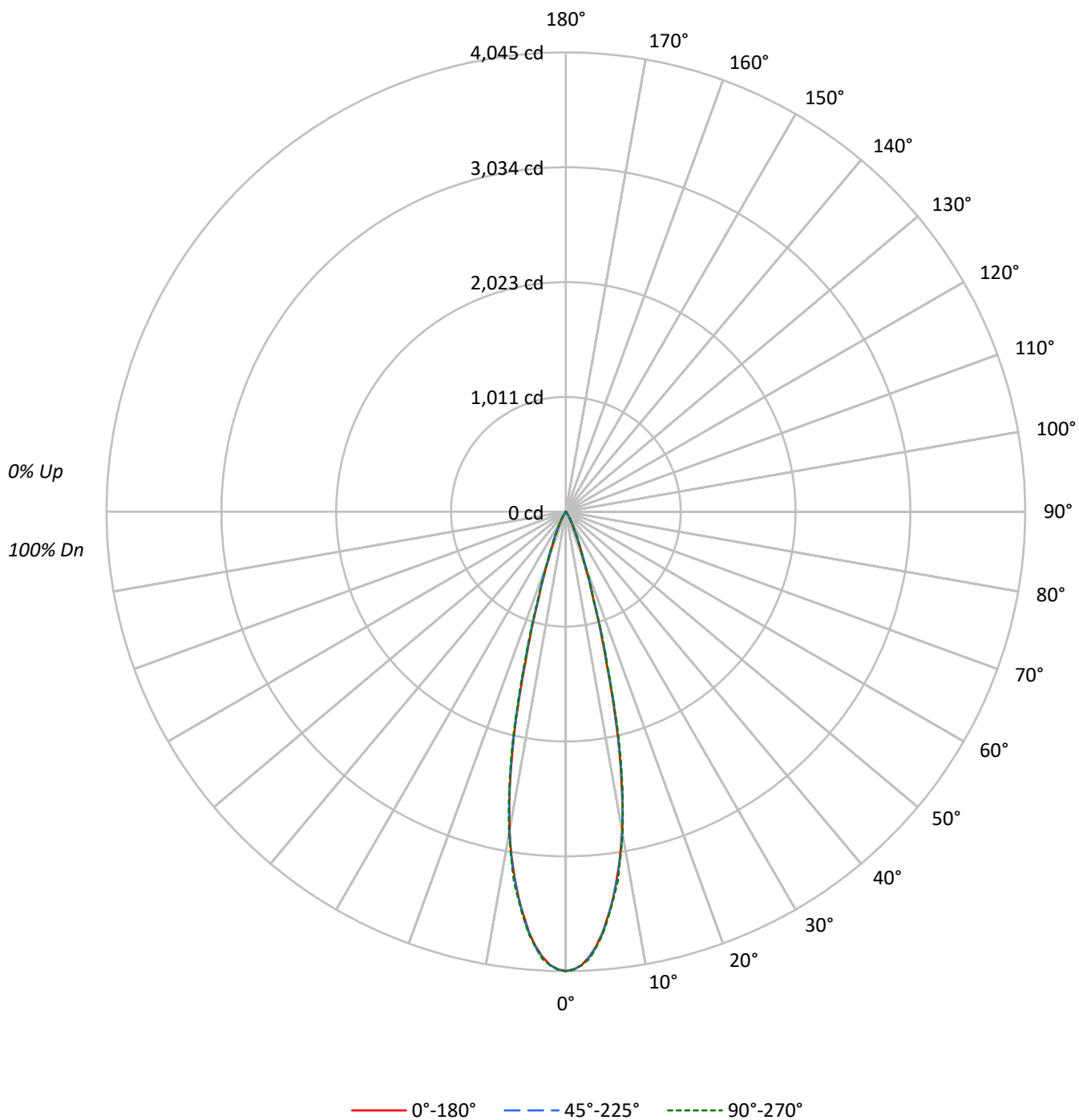
Lumens per Lamp: N/A
Luminaire Lumens: 842.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306970

CATALOG NUMBER: LDSQA3D09R259024DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1306970

CATALOG NUMBER: LDSQA3D09R259024DE010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	99	99
1	115	113	111	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	84	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	82	82
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	80	80
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	78	78
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	77	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	696658	696658	696658
5°	642372	643824	645155
10°	498756	500557	503268
15°	246479	256838	256963
20°	82987	88559	84655
25°	34376	38176	35345
30°	13483	16963	13622
35°	3532	6917	3658
40°	1304	2765	1304
45°	146	779	146
50°	0	161	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: 779 cd/sqm

TEST NUMBER: P1306970

CATALOG NUMBER: LDSQA3D09R259024DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.8	38.9
10°-20°	396.5	47.1
20°-30°	96.8	11.5
30°-40°	18.8	2.2
40°-50°	2.1	0.3
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°	821.0	97.5
0°-40°	839.8	99.7
0°-60°	842.0	100.0
0°-90°	842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	842.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4045	4045	4045	4045	4045	
5°	3716	3721	3724	3740	3732	327
15°	1382	1415	1440	1455	1441	389
25°	181	191	201	192	186	92
35°	17	24	33	24	17	15
45°	1	2	3	2	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	

TEST NUMBER: P1306970

CATALOG NUMBER: LDSQA3D09R259024DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4045.1	4045.1	4045.1	4045.1	4045.1
1°	4029.6	4032.2	4032.8	4036.7	4029.0
2°	3992.8	3993.4	3995.4	4003.1	3996.0
3°	3925.0	3929.5	3930.1	3940.5	3942.4
4°	3832.6	3835.2	3840.3	3857.8	3842.3
5°	3715.7	3720.8	3724.1	3740.2	3731.8
6°	3571.0	3572.3	3579.4	3598.1	3586.5
7°	3423.7	3423.0	3423.7	3438.5	3435.3
8°	3246.0	3242.8	3253.1	3271.2	3283.5
9°	3060.6	3065.2	3071.6	3089.1	3074.8
10°	2852.0	2864.3	2862.3	2863.6	2877.8
11°	2611.7	2615.6	2616.2	2629.8	2627.8
12°	2329.4	2329.4	2350.7	2372.7	2365.6
13°	2044.5	2064.5	2050.3	2054.9	2083.3
14°	1712.5	1728.0	1747.4	1765.5	1751.2
15°	1382.4	1415.3	1440.5	1454.7	1441.2
17.5°	792.0	802.9	824.3	826.8	818.5
20°	452.8	466.4	483.2	478.0	461.9
22.5°	284.9	288.8	305.5	297.1	293.3
25°	180.9	190.6	200.9	192.5	186.0
27.5°	112.4	118.9	129.8	120.8	113.7
30°	67.8	73.6	85.3	73.0	68.5
32.5°	35.5	43.9	53.6	44.6	35.5
35°	16.8	23.9	32.9	23.9	17.4
37.5°	10.3	12.9	20.0	12.9	10.3
40°	5.8	8.4	12.3	8.4	5.8
42.5°	2.6	4.5	5.8	4.5	3.2
45°	0.6	1.9	3.2	1.9	0.6
47.5°	0.0	0.0	1.9	0.6	0.0
50°	0.0	0.0	0.6	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: P1306970

CATALOG NUMBER: LDSQA3D09R259024DE010 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)