

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: P1309646

Luminaire Tested: LDSQA3D24R159030D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309646
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: LDSQA3D24R159030D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

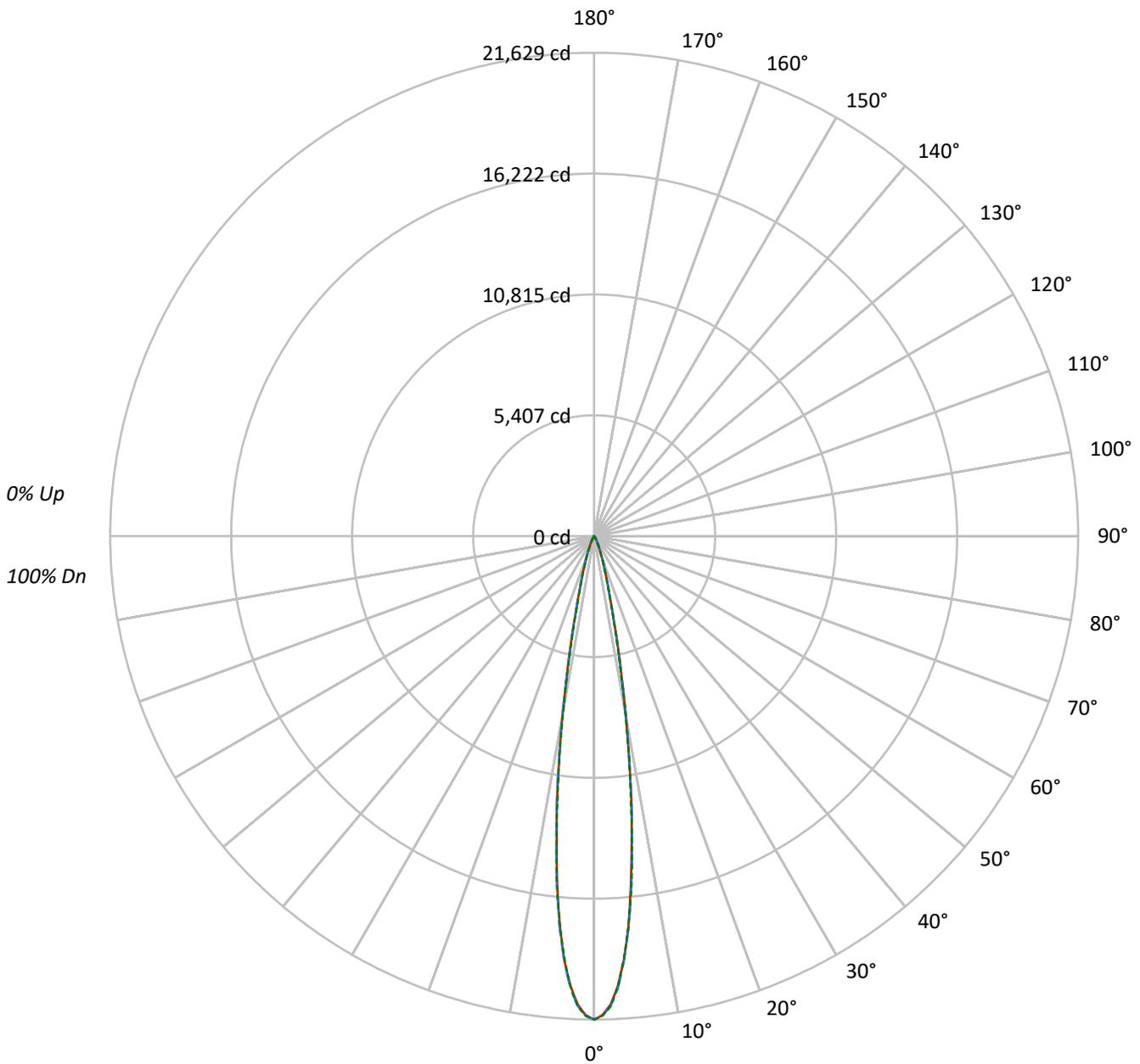
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2414.0 lumens
Efficiency: N/A
Efficacy: 83.8 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): 28.8
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: P1309646
CATALOG NUMBER: LDSQA3D24R159030D010 3LSQCDR1MMS

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1309646

CATALOG NUMBER: LDSQA3D24R159030D010 3LSQCDR1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	90	88	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3725072	3725072	3725072
5°	3032895	3042801	3036853
10°	1414775	1427471	1409441
15°	444265	448009	445299
20°	176018	183019	170428
25°	71108	85987	68581
30°	28478	39117	26966
35°	8431	17261	8031
40°	2585	6430	2136
45°	463	1388	463
50°	0	509	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: 1388 cd/sqm



TEST NUMBER: P1309646

CATALOG NUMBER: LDSQA3D24R159030D010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1354.2	56.1
10°-20°	809.9	33.6
20°-30°	204.3	8.5
30°-40°	41.7	1.7
40°-50°	3.9	0.2
50°-60°	0.1	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°	2368.4	98.1
0°-40°	2410.1	99.8
0°-60°	2414.0	100.0
0°-90°	2414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21629	21629	21629	21629	21629	
5°	17543	17511	17601	17557	17566	1350
15°	2492	2513	2513	2476	2498	810
25°	374	409	452	401	361	192
35°	40	54	82	52	38	33
45°	2	4	6	4	2	2
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: P1309646
 CATALOG NUMBER: LDSQA3D24R159030D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21629.4	21629.4	21629.4	21629.4	21629.4
1°	21434.6	21507.2	21469.0	21499.5	21465.1
2°	20970.6	21068.0	21037.4	21027.9	21054.6
3°	20153.4	20266.1	20262.2	20233.6	20187.8
4°	19038.3	18992.5	19063.2	19055.5	18977.2
5°	17543.3	17510.8	17600.6	17556.7	17566.2
6°	15714.1	15855.4	15824.9	15828.7	15865.0
7°	13749.4	13825.8	13890.7	13944.1	13869.7
8°	11945.0	11925.9	11931.7	11992.8	11786.5
9°	9924.9	10043.3	9966.9	9844.7	9923.0
10°	8090.0	8162.6	8162.6	8055.6	8059.5
11°	6449.9	6509.0	6467.0	6493.8	6325.7
12°	5199.2	5052.2	5017.8	5044.6	5042.6
13°	3969.6	3979.1	3969.6	3967.7	3948.6
14°	3112.3	3161.9	3140.9	3089.4	3066.4
15°	2491.7	2512.7	2512.7	2476.5	2497.5
17.5°	1496.9	1521.8	1527.5	1502.7	1502.7
20°	960.4	971.9	998.6	962.3	929.9
22.5°	591.9	616.7	662.6	609.1	582.4
25°	374.2	408.6	452.5	401.0	360.9
27.5°	234.9	263.5	301.7	252.0	227.2
30°	143.2	162.3	196.7	158.5	135.6
32.5°	80.2	95.5	124.1	91.6	76.4
35°	40.1	53.5	82.1	51.6	38.2
37.5°	22.9	28.6	51.6	24.8	21.0
40°	11.5	15.3	28.6	15.3	9.5
42.5°	3.8	7.6	11.5	7.6	3.8
45°	1.9	3.8	5.7	3.8	1.9
47.5°	0.0	0.0	1.9	0.0	0.0
50°	0.0	0.0	1.9	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: P1309646
CATALOG NUMBER: LDSQA3D24R159030D010 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)