

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: P1310941

Luminaire Tested: LDSQA3D02R159040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

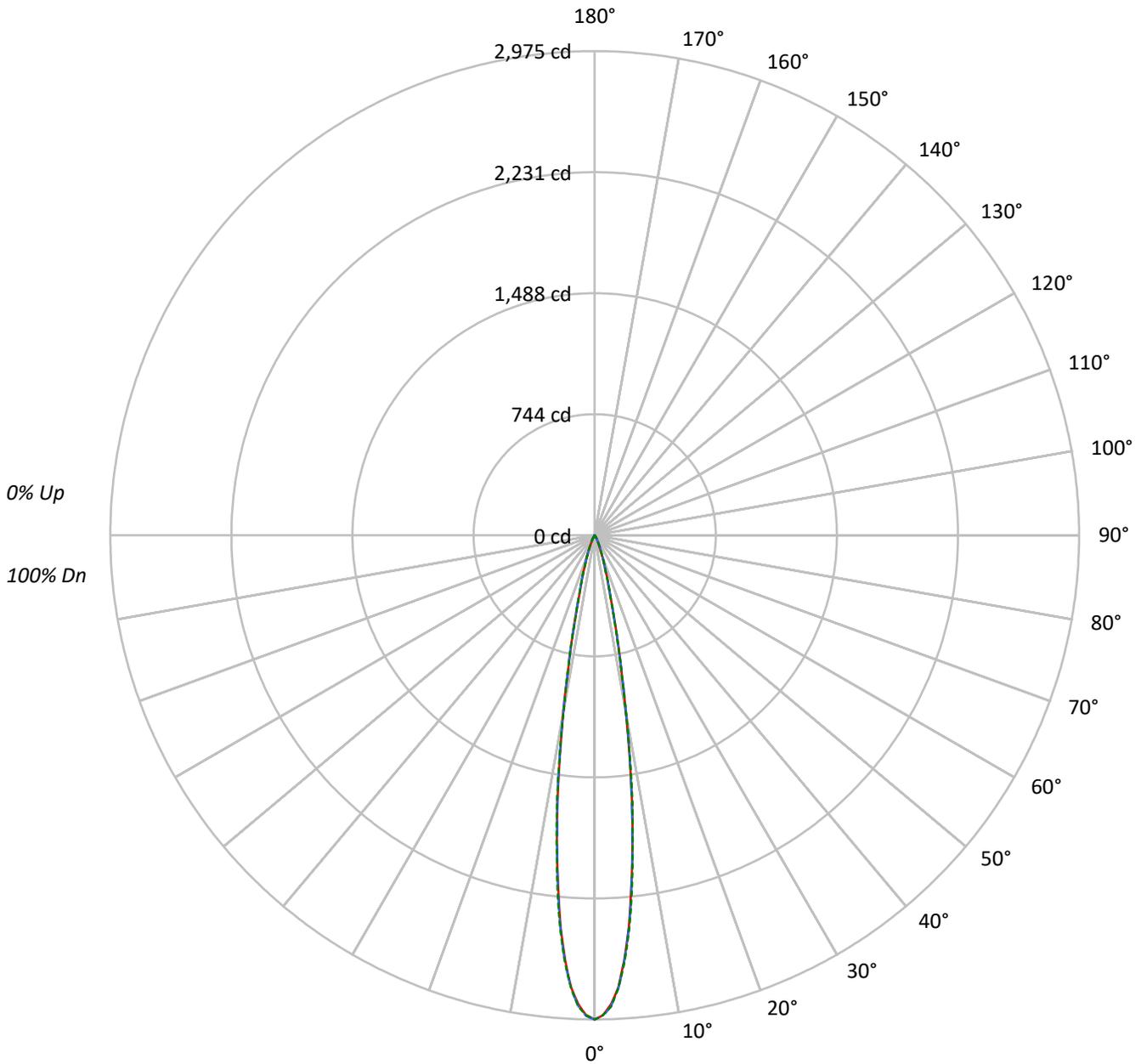
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 334.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
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 (A_{in}): 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: P1310941
CATALOG NUMBER: LDSQA3D02R159040DE010 3LSQCDR1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1310941

CATALOG NUMBER: LDSQA3D02R159040DE010 3LSQCDR1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	512397	512397	512397
5°	416642	418094	419546
10°	194046	194221	193172
15°	60033	62190	61014
20°	23936	25274	23643
25°	10014	11820	9520
30°	4077	5429	3759
35°	1325	2481	1219
40°	472	1012	472
45°	195	317	195
50°	134	214	134
55°	150	150	150
60°	172	172	172
65°	122	122	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 317 cd/sqm



TEST NUMBER: P1310941

CATALOG NUMBER: LDSQA3D02R159040DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.2	55.8
10°-20°	111.3	33.3
20°-30°	28.3	8.5
30°-40°	6.2	1.8
40°-50°	1.0	0.3
50°-60°	0.5	0.1
60°-70°	0.3	0.1
70°-80°	0.2	0.1
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°	325.9	97.6
0°-40°	332.1	99.4
0°-60°	333.5	99.8
0°-90°	334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	334.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2975	2975	2975	2975	2975	
5°	2410	2414	2418	2407	2427	186
15°	337	346	349	344	342	111
25°	53	56	62	55	50	27
35°	6	8	12	8	6	5
45°	1	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	0



TEST NUMBER: P1310941

CATALOG NUMBER: LDSQA3D02R159040DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2975.2	2975.2	2975.2	2975.2	2975.2
1°	2949.2	2954.2	2955.0	2954.2	2950.0
2°	2882.9	2897.6	2894.4	2888.1	2897.0
3°	2780.3	2787.7	2786.6	2787.2	2785.1
4°	2613.6	2626.4	2619.1	2624.6	2625.1
5°	2410.0	2413.5	2418.4	2407.4	2426.8
6°	2159.6	2181.4	2162.2	2181.1	2188.7
7°	1905.0	1917.5	1893.2	1906.3	1914.1
8°	1644.5	1622.5	1635.9	1636.2	1662.1
9°	1363.4	1367.9	1379.2	1366.3	1377.6
10°	1109.6	1119.8	1110.6	1106.2	1104.6
11°	876.2	887.7	886.9	888.2	879.6
12°	704.9	698.9	702.8	690.0	695.7
13°	548.6	548.9	545.7	540.5	535.8
14°	429.8	427.2	434.5	428.0	422.0
15°	336.7	346.2	348.8	343.8	342.2
17.5°	207.7	208.0	211.6	206.9	206.4
20°	130.6	133.7	137.9	133.0	129.0
22.5°	82.6	85.5	92.0	85.8	80.2
25°	52.7	56.4	62.2	55.1	50.1
27.5°	33.0	36.5	42.0	35.4	31.7
30°	20.5	22.8	27.3	22.3	18.9
32.5°	11.8	14.2	17.8	13.4	11.3
35°	6.3	8.1	11.8	7.9	5.8
37.5°	3.7	4.7	7.6	4.2	3.4
40°	2.1	2.9	4.5	2.6	2.1
42.5°	1.3	1.8	2.1	1.6	1.0
45°	0.8	1.0	1.3	1.0	0.8
47.5°	0.5	0.8	1.0	0.5	0.5
50°	0.5	0.5	0.8	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
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: P1310941
CATALOG NUMBER: LDSQA3D02R159040DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)