

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: P1309991

Luminaire Tested: LDSQA3D05R159035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309991
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: LDSQA3D05R159035DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

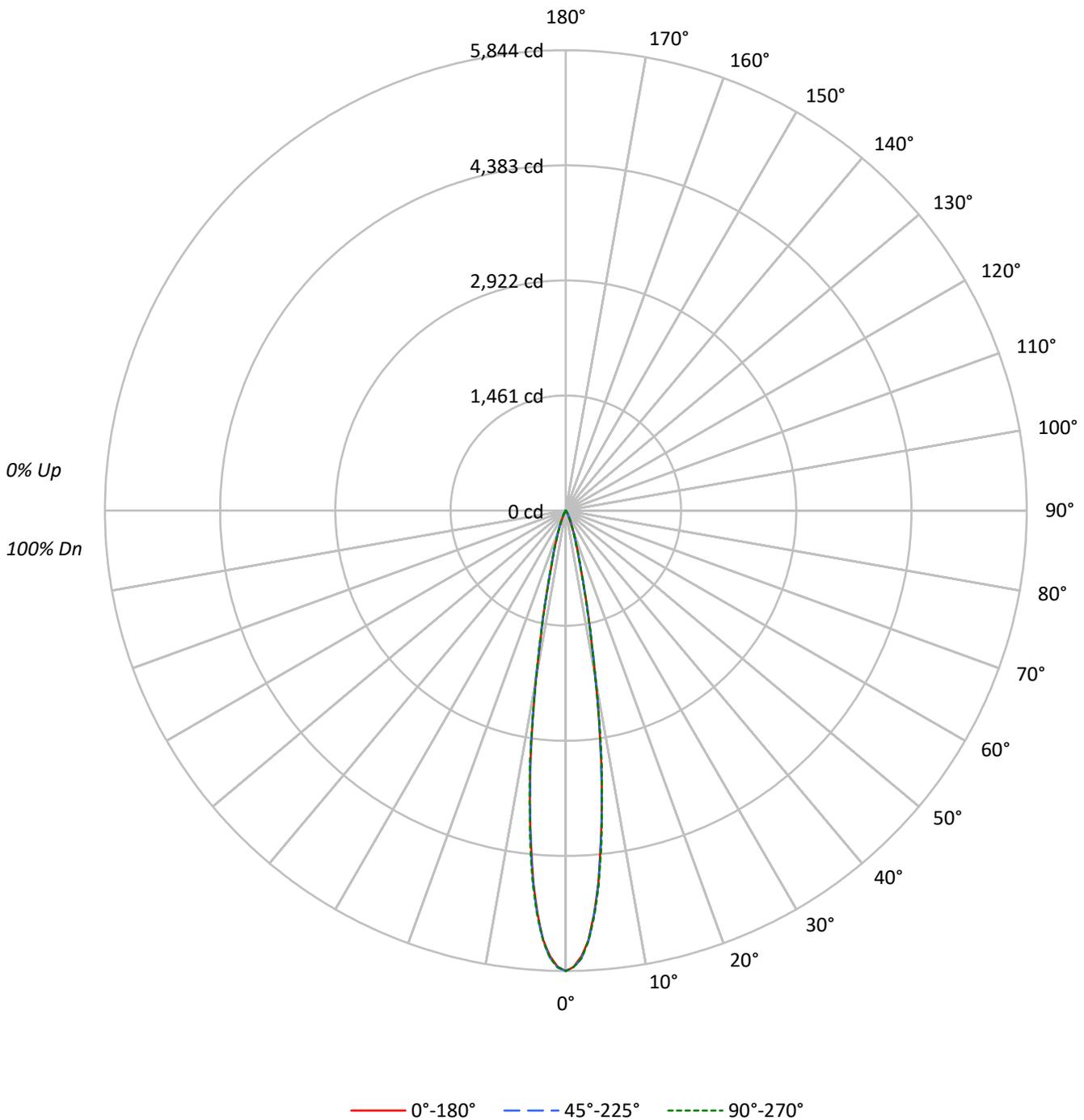
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 656.0 lumens
Efficiency: N/A
Efficacy: 91.1 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): 7.2
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: P1309991
CATALOG NUMBER: LDSQA3D05R159035DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1309991

CATALOG NUMBER: LDSQA3D05R159035DE010 3LSQCDR1MW

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	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	99	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	87	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°	1006383	1006383	1006383
5°	818330	821182	824035
10°	381115	381465	379401
15°	117926	122134	119852
20°	47010	49649	46442
25°	19668	23202	18699
30°	7994	10659	7378
35°	2607	4878	2376
40°	922	1978	922
45°	365	633	365
50°	268	402	268
55°	300	300	300
60°	344	344	344
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 633 cd/sqm



TEST NUMBER: P1309991

CATALOG NUMBER: LDSQA3D05R159035DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.8	55.8
10°-20°	218.7	33.3
20°-30°	55.6	8.5
30°-40°	12.1	1.8
40°-50°	1.9	0.3
50°-60°	0.9	0.1
60°-70°	0.6	0.1
70°-80°	0.3	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°	640.1	97.6
0°-40°	652.2	99.4
0°-60°	655.1	99.9
0°-90°	656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5844	5844	5844	5844	5844	
5°	4734	4740	4750	4728	4766	365
15°	661	680	685	675	672	218
25°	104	111	122	108	98	53
35°	12	16	23	16	11	10
45°	2	2	3	2	2	1
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1309991

CATALOG NUMBER: LDSQA3D05R159035DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5843.5	5843.5	5843.5	5843.5	5843.5
1°	5792.5	5802.3	5803.8	5802.3	5794.0
2°	5662.2	5691.0	5684.8	5672.5	5690.0
3°	5460.8	5475.2	5473.1	5474.2	5470.1
4°	5133.2	5158.4	5144.0	5154.8	5155.9
5°	4733.5	4740.2	4750.0	4728.4	4766.5
6°	4241.6	4284.4	4246.8	4283.8	4298.8
7°	3741.5	3766.2	3718.3	3744.1	3759.5
8°	3230.0	3186.7	3213.0	3213.5	3264.5
9°	2677.9	2686.6	2708.8	2683.5	2705.7
10°	2179.3	2199.4	2181.3	2172.6	2169.5
11°	1720.9	1743.5	1742.0	1744.5	1727.5
12°	1384.5	1372.7	1380.4	1355.2	1366.5
13°	1077.5	1078.0	1071.9	1061.6	1052.3
14°	844.2	839.1	853.5	840.6	828.7
15°	661.4	679.9	685.0	675.3	672.2
17.5°	407.9	408.5	415.7	406.4	405.4
20°	256.5	262.7	270.9	261.1	253.4
22.5°	162.2	167.9	180.8	168.4	157.6
25°	103.5	110.7	122.1	108.2	98.4
27.5°	64.9	71.6	82.4	69.5	62.3
30°	40.2	44.8	53.6	43.8	37.1
32.5°	23.2	27.8	35.0	26.3	22.1
35°	12.4	16.0	23.2	15.5	11.3
37.5°	7.2	9.3	14.9	8.2	6.7
40°	4.1	5.7	8.8	5.2	4.1
42.5°	2.6	3.6	4.1	3.1	2.1
45°	1.5	2.1	2.6	2.1	1.5
47.5°	1.0	1.5	2.1	1.0	1.0
50°	1.0	1.0	1.5	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
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: P1309991
CATALOG NUMBER: LDSQA3D05R159035DE010 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)