

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: P1309859

Luminaire Tested: LDSQA3D02R259035DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R259035DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

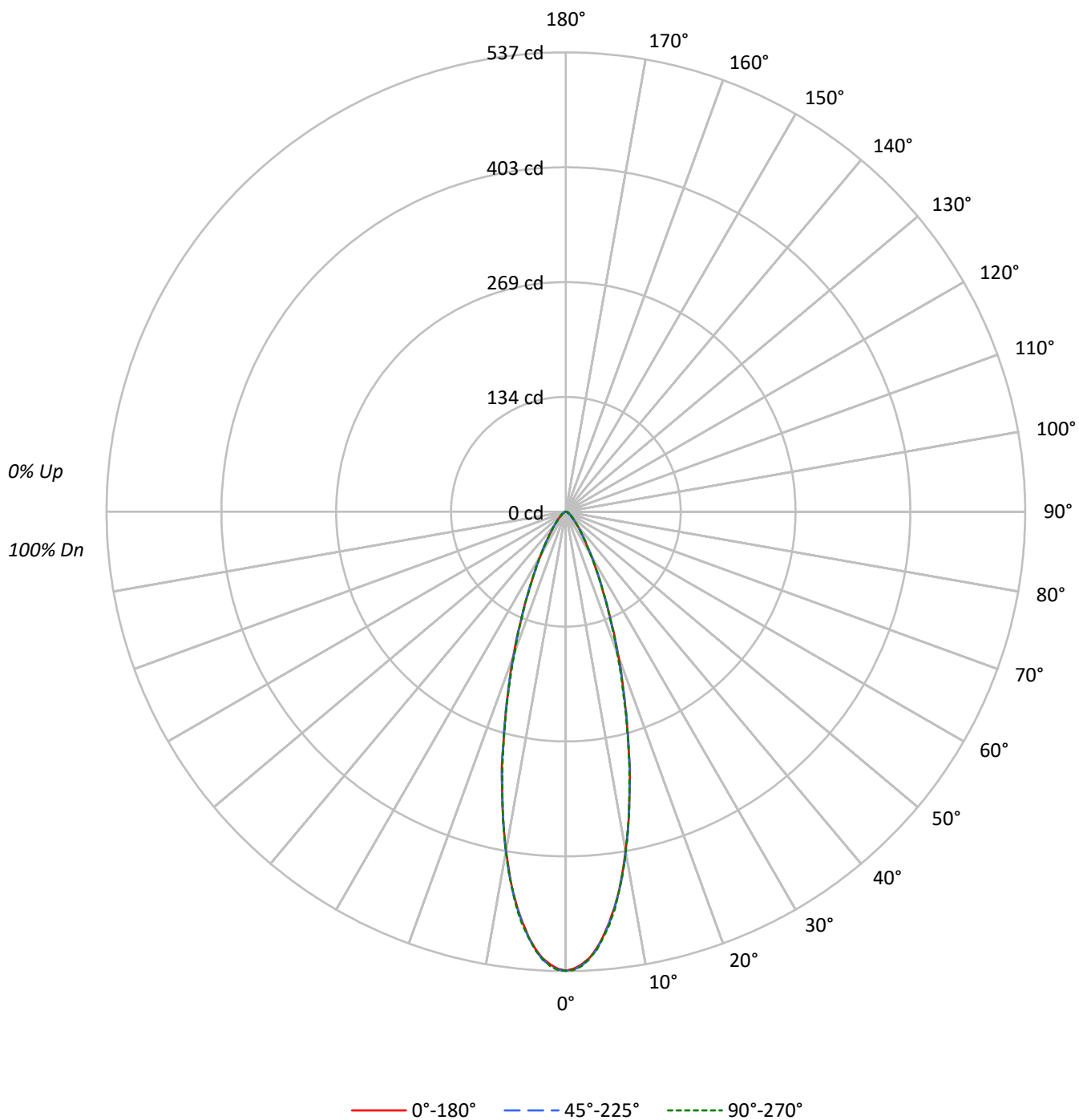
Lumens per Lamp: N/A
Luminaire Lumens: 215.1 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (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: P1309859

CATALOG NUMBER: LDSQA3D02R259035DE010 3LSQPHRL1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1309859

CATALOG NUMBER: LDSQA3D02R259035DE010 3LSQPHRL1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	75	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	66	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	63	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	92415	92415	92415
5°	86250	86337	86388
10°	70354	70581	70581
15°	50244	50512	50244
20°	32880	32568	32110
25°	19554	19649	19554
30°	11773	11773	11733
35°	7169	7232	7169
40°	4564	4631	4631
45°	3191	3191	3191
50°	2277	2358	2358
55°	1802	1802	1892
60°	1481	1550	1550
65°	1345	1345	1345
70°	1158	1158	1259
75°	998	998	1198
80°	992	992	992
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3191 cd/sqm

TEST NUMBER: P1309859

CATALOG NUMBER: LDSQA3D02R259035DE010 3LSQPHRL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	20.7
10°-20°	77.7	36.1
20°-30°	48.9	22.7
30°-40°	22.4	10.4
40°-50°	10.4	4.9
50°-60°	5.6	2.6
60°-70°	3.3	1.5
70°-80°	1.7	0.8
80°-90°	0.4	0.2
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°	171.2	79.6
0°-40°	193.5	90.0
0°-60°	209.6	97.5
0°-90°	215.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	215.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	537	537	537	537	537	
5°	499	500	499	500	500	45
15°	282	284	283	284	282	78
25°	103	104	103	103	103	49
35°	34	34	34	34	34	22
45°	13	13	13	13	13	10
55°	6	6	6	6	6	6
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1309859

CATALOG NUMBER: LDSQA3D02R259035DE010 3LSQPHRL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	536.6	536.6	536.6	536.6	536.6
1°	534.3	534.8	535.3	536.1	535.8
2°	529.3	530.3	530.6	531.6	531.3
3°	522.5	522.3	524.3	524.3	523.0
4°	512.0	512.5	513.0	513.5	513.7
5°	498.9	499.9	499.4	499.9	499.7
6°	482.9	484.4	484.1	484.6	485.4
7°	465.8	466.8	466.8	466.3	468.3
8°	447.2	446.5	447.7	447.2	447.0
9°	425.1	426.7	426.9	425.7	426.2
10°	402.3	403.3	403.6	404.3	403.6
11°	379.7	379.7	380.2	381.5	379.5
12°	355.1	357.4	355.1	356.1	355.1
13°	331.8	332.3	331.8	331.5	329.8
14°	309.7	307.9	308.4	306.4	306.7
15°	281.8	283.6	283.3	283.9	281.8
17.5°	226.6	227.6	227.4	226.9	224.4
20°	179.4	179.4	177.7	176.7	175.2
22.5°	137.0	136.5	135.8	135.0	135.5
25°	102.9	104.2	103.4	103.4	102.9
27.5°	77.8	79.3	78.1	77.3	77.8
30°	59.2	59.7	59.2	59.0	59.0
32.5°	44.7	44.9	44.7	44.7	44.7
35°	34.1	34.1	34.4	34.4	34.1
37.5°	26.4	26.4	26.4	26.4	26.6
40°	20.3	20.6	20.6	20.6	20.6
42.5°	16.1	16.3	16.3	16.3	16.3
45°	13.1	13.1	13.1	13.1	13.1
47.5°	10.5	10.5	10.5	10.5	10.8
50°	8.5	8.8	8.8	8.8	8.8
52.5°	7.3	7.3	7.3	7.3	7.3
55°	6.0	6.0	6.0	6.3	6.3
57.5°	5.0	5.0	5.3	5.3	5.3
60°	4.3	4.5	4.5	4.5	4.5
62.5°	3.8	3.8	4.0	4.0	4.0
65°	3.3	3.3	3.3	3.3	3.3
67.5°	2.8	2.8	2.8	2.8	3.0
70°	2.3	2.3	2.3	2.5	2.5
72.5°	2.0	2.0	2.0	2.0	2.0
75°	1.5	1.5	1.5	1.8	1.8
77.5°	1.3	1.3	1.3	1.3	1.3
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.5	0.5	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309859
CATALOG NUMBER: LDSQA3D02R259035DE010 3LSQPHRL1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)