

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: P1315189

Luminaire Tested: LDSQA3D02R559735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559735DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

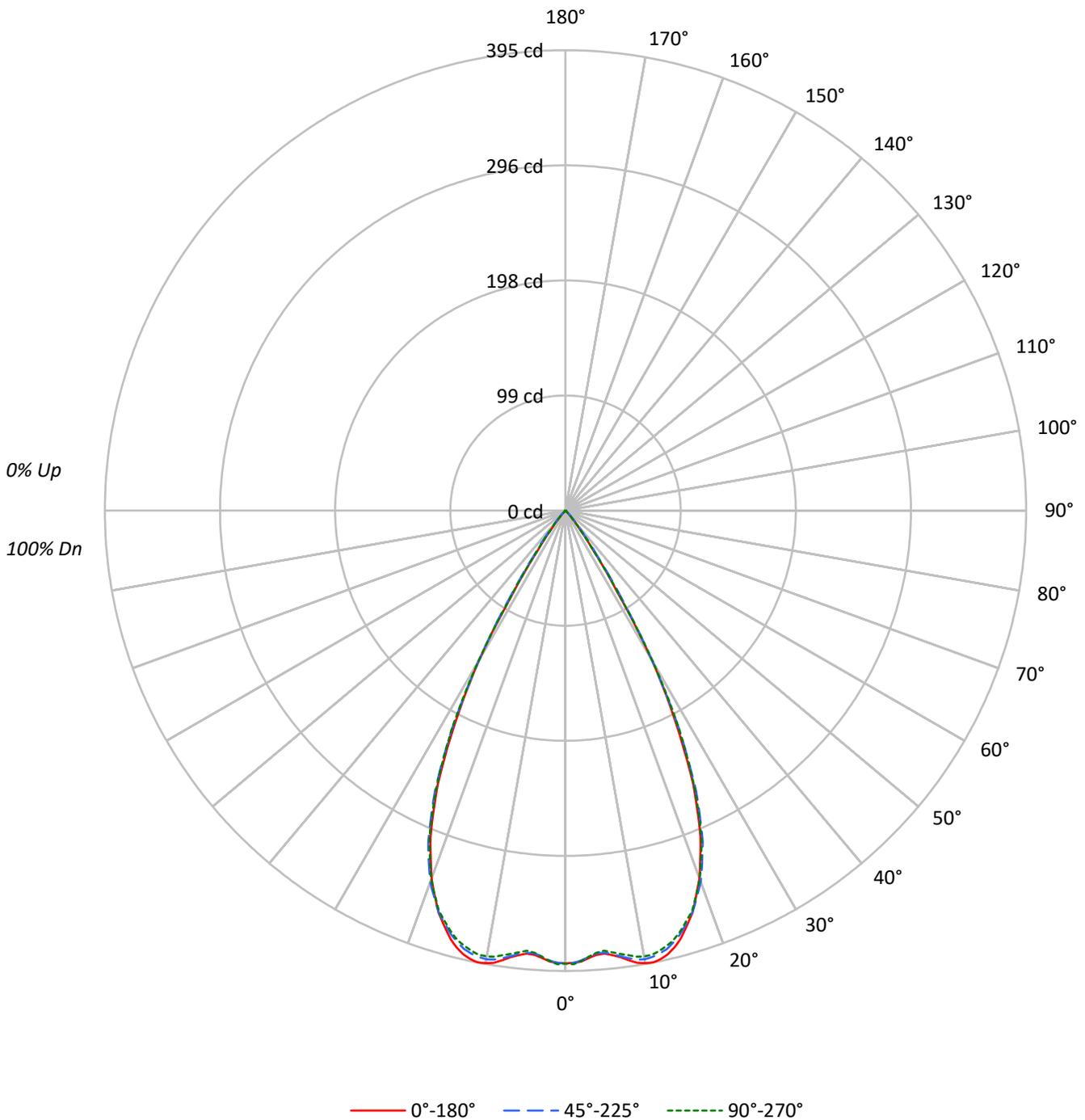
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 298.0 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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: P1315189
CATALOG NUMBER: LDSQA3D02R559735DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1315189

CATALOG NUMBER: LDSQA3D02R559735DE010 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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	66926	66926	66926
5°	65971	65850	65539
10°	68955	68360	67923
15°	67878	67272	66987
20°	61544	62167	61709
25°	49217	50243	49768
30°	29512	29512	29870
35°	8536	10092	8809
40°	2451	3305	2451
45°	560	1267	560
50°	241	429	188
55°	210	210	210
60°	241	241	241
65°	204	204	204
70°	252	252	252
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1267 cd/sqm



TEST NUMBER: P1315189

CATALOG NUMBER: LDSQA3D02R559735DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	12.4
10°-20°	105.0	35.2
20°-30°	115.7	38.8
30°-40°	35.4	11.9
40°-50°	3.5	1.2
50°-60°	0.7	0.2
60°-70°	0.6	0.2
70°-80°	0.3	0.1
80°-90°	0.1	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°	257.6	86.4
0°-40°	293.0	98.3
0°-60°	297.1	99.7
0°-90°	298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	298.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	389	389	389	389	389	
5°	382	382	381	380	379	37
15°	381	380	377	376	376	106
25°	259	262	264	267	262	114
35°	41	43	48	44	42	33
45°	2	3	5	3	2	3
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: P1315189

CATALOG NUMBER: LDSQA3D02R559735DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	388.6	388.6	388.6	388.6	388.6
1°	388.1	388.4	388.1	387.7	389.3
2°	387.2	387.0	386.3	386.1	386.8
3°	384.3	384.3	383.4	382.9	383.2
4°	382.0	382.0	380.7	380.2	380.4
5°	381.6	381.6	380.9	379.8	379.1
6°	383.4	383.8	382.3	381.1	381.1
7°	386.1	386.3	385.2	383.6	383.2
8°	389.5	389.7	387.9	386.1	385.2
9°	392.9	392.5	390.0	388.1	387.5
10°	394.3	394.0	390.9	389.1	388.4
11°	394.9	393.8	390.2	388.6	388.4
12°	393.4	392.5	388.6	387.0	386.3
13°	390.6	389.3	386.1	384.5	383.6
14°	386.3	385.0	382.0	380.2	380.4
15°	380.7	380.0	377.3	375.7	375.7
17.5°	361.9	362.3	361.6	361.0	360.5
20°	335.8	337.6	339.2	338.3	336.7
22.5°	302.5	305.7	307.5	307.9	305.0
25°	259.0	261.5	264.4	266.9	261.9
27.5°	204.8	207.1	209.8	211.4	210.7
30°	148.4	148.6	148.4	151.4	150.2
32.5°	82.5	89.3	90.4	92.4	85.2
35°	40.6	42.6	48.0	44.2	41.9
37.5°	19.5	20.8	26.1	21.3	20.4
40°	10.9	11.8	14.7	12.2	10.9
42.5°	5.2	6.8	7.9	7.0	5.2
45°	2.3	3.4	5.2	3.4	2.3
47.5°	0.9	1.4	3.2	1.4	0.9
50°	0.9	0.7	1.6	0.7	0.7
52.5°	0.7	0.7	0.9	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.5	0.7	0.7	0.7	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°	0.2	0.5	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
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: P1315189
CATALOG NUMBER: LDSQA3D02R559735DE010 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)