

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: P1309842

Luminaire Tested: LDSQA3D02R209035DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R209035DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

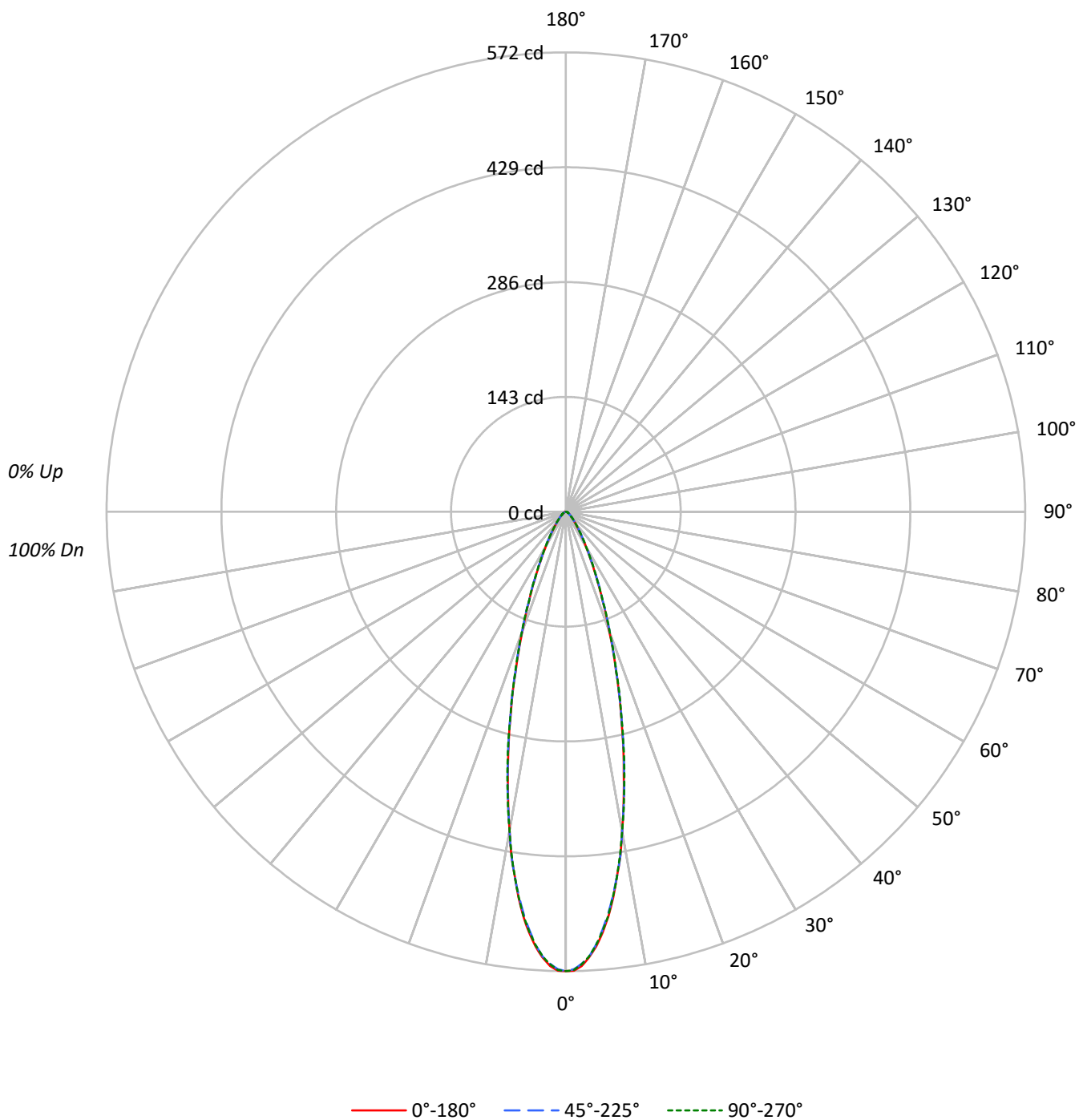
Lumens per Lamp: N/A
Luminaire Lumens: 201.1 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309842

CATALOG NUMBER: LDSQA3D02R209035DE010 3LSQPHRL1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1309842

CATALOG NUMBER: LDSQA3D02R209035DE010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	68	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	98511	98511	98511
5°	90883	90347	90659
10°	70529	70616	70616
15°	47659	47891	47891
20°	28939	29306	29452
25°	16988	17216	17178
30°	9904	10102	10162
35°	6055	6202	6202
40°	3934	4002	4047
45°	2752	2801	2874
50°	2009	2090	2090
55°	1591	1651	1651
60°	1378	1378	1481
65°	1223	1223	1345
70°	1158	1158	1158
75°	998	998	998
80°	793	793	992
85°	593	593	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2874 cd/sqm

TEST NUMBER: P1309842

CATALOG NUMBER: LDSQA3D02R209035DE010 3LSQPHRL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	22.9
10°-20°	73.9	36.7
20°-30°	42.8	21.3
30°-40°	19.2	9.5
40°-50°	9.1	4.5
50°-60°	5.0	2.5
60°-70°	3.0	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°	162.8	80.9
0°-40°	181.9	90.5
0°-60°	196.0	97.5
0°-90°	201.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	201.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	526	524	523	524	524	46
15°	267	267	269	267	269	74
25°	89	89	91	90	90	42
35°	29	29	30	30	30	19
45°	11	11	12	12	12	9
55°	5	5	6	6	6	5
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: P1309842

CATALOG NUMBER: LDSQA3D02R209035DE010 3LSQPHRL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	572.0	572.0	572.0	572.0	572.0
1°	571.7	570.2	569.7	569.2	570.7
2°	566.0	564.2	563.2	563.7	563.9
3°	555.7	554.7	554.7	553.9	554.4
4°	542.4	540.4	540.4	540.7	540.7
5°	525.7	523.9	522.6	523.6	524.4
6°	506.9	504.6	503.6	503.9	505.6
7°	483.9	480.8	481.3	482.6	482.6
8°	457.8	457.6	458.1	457.6	458.1
9°	433.8	430.3	433.3	430.8	432.0
10°	403.3	403.0	403.8	404.5	403.8
12.5°	333.7	334.9	335.4	334.4	336.7
15°	267.3	267.3	268.6	267.3	268.6
17.5°	208.0	207.8	208.8	207.8	209.3
20°	157.9	159.7	159.9	159.9	160.7
22.5°	119.1	119.1	120.1	120.4	119.9
25°	89.4	89.4	90.6	89.9	90.4
27.5°	66.1	66.6	67.6	68.1	68.1
30°	49.8	50.1	50.8	51.1	51.1
32.5°	37.5	38.0	38.5	38.8	39.0
35°	28.8	29.0	29.5	29.8	29.5
37.5°	22.0	22.3	22.8	23.0	23.0
40°	17.5	17.5	17.8	18.0	18.0
42.5°	13.8	14.0	14.0	14.3	14.3
45°	11.3	11.3	11.5	11.5	11.8
47.5°	9.0	9.0	9.3	9.5	9.5
50°	7.5	7.5	7.8	7.8	7.8
52.5°	6.3	6.3	6.5	6.5	6.5
55°	5.3	5.3	5.5	5.5	5.5
57.5°	4.5	4.5	4.8	4.8	4.8
60°	4.0	4.0	4.0	4.0	4.3
62.5°	3.5	3.5	3.5	3.5	3.5
65°	3.0	3.0	3.0	3.0	3.3
67.5°	2.5	2.5	2.5	2.5	2.8
70°	2.3	2.3	2.3	2.3	2.3
72.5°	1.8	1.8	1.8	2.0	2.0
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.8	0.8	0.8	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)