

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: P1323422

Luminaire Tested: LDSQA3D02R159030D2WDE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159030D2WDE010 3LSQPHRL1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

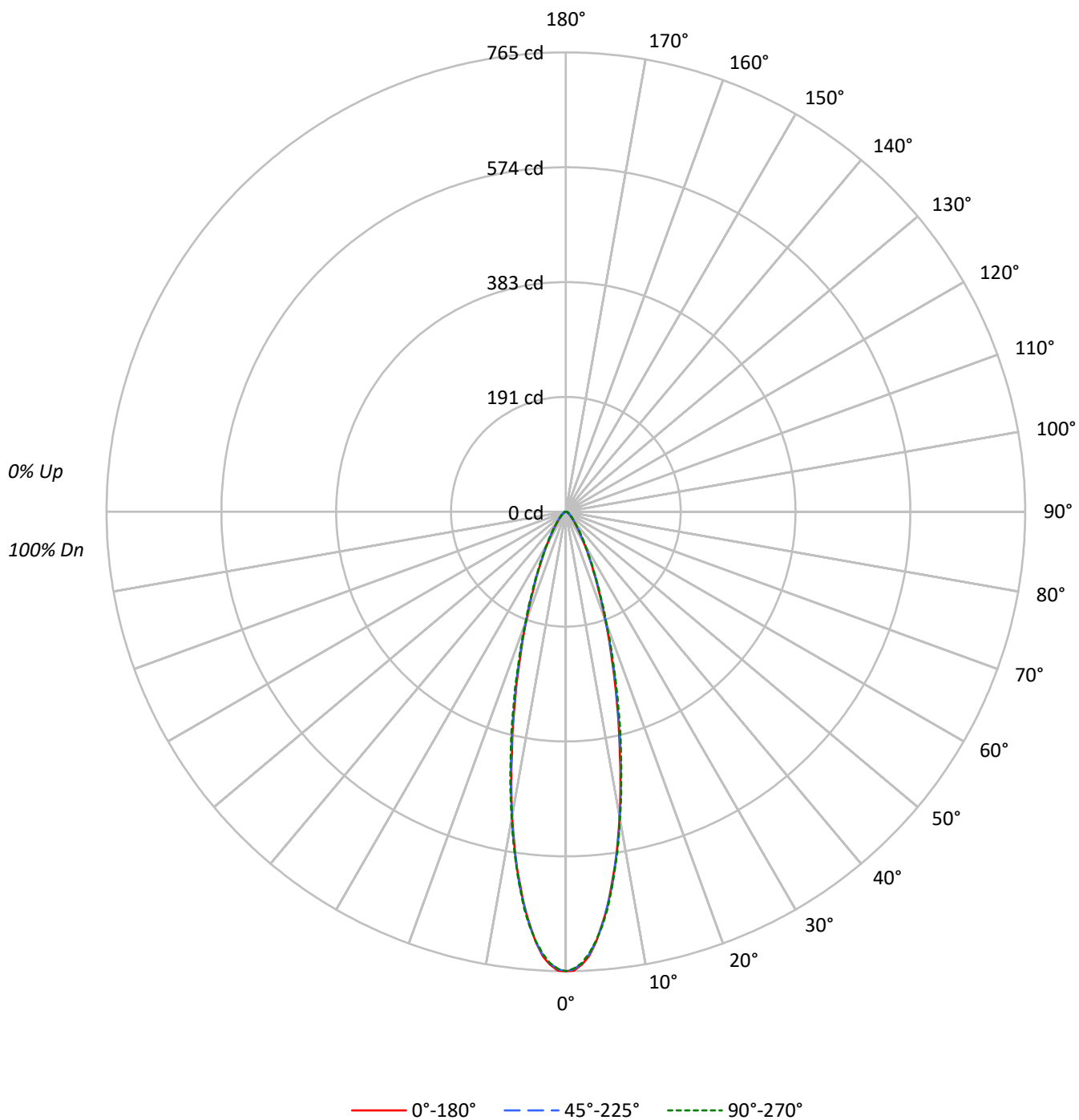
Lumens per Lamp: N/A
Luminaire Lumens: 252.9 lumens
Efficiency: N/A
Efficacy: 35.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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: P1323422

CATALOG NUMBER: LDSQA3D02R159030D2WDE010 3LSQPHRL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1323422

CATALOG NUMBER: LDSQA3D02R159030D2WDE010 3LSQPHRL1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	97	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	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	71	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	131768	131768	131768
5°	119339	119564	119737
10°	90098	90325	90780
15°	58446	59088	60247
20°	35189	35610	36087
25°	20561	20998	21302
30°	12071	12469	12668
35°	7443	7716	7863
40°	4901	5036	5103
45°	3410	3483	3556
50°	2519	2599	2706
55°	2042	2132	2132
60°	1791	1791	1791
65°	1589	1589	1589
70°	1309	1460	1460
75°	1264	1264	1264
80°	992	1289	1289
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3556 cd/sqm

TEST NUMBER: P1323422

CATALOG NUMBER: LDSQA3D02R159030D2WDE010 3LSQPHRL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	23.8
10°-20°	92.1	36.4
20°-30°	52.4	20.7
30°-40°	23.9	9.4
40°-50°	11.5	4.5
50°-60°	6.4	2.5
60°-70°	3.9	1.5
70°-80°	2.1	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°	204.8	81.0
0°-40°	228.7	90.4
0°-60°	246.5	97.5
0°-90°	252.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	252.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	765	765	765	765	765	
5°	690	690	692	692	693	60
15°	328	329	331	336	338	91
25°	108	108	110	111	112	51
35°	35	36	37	37	37	23
45°	14	14	14	15	15	11
55°	7	7	7	7	7	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1323422

CATALOG NUMBER: LDSQA3D02R159030D2WDE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	765.1	765.1	765.1	765.1	765.1
1°	764.4	762.5	761.8	761.5	760.8
2°	754.7	753.0	752.7	752.7	752.4
3°	741.0	738.1	738.4	737.4	736.5
4°	718.0	716.7	717.3	718.0	716.7
5°	690.3	690.0	691.6	691.6	692.6
6°	661.7	661.4	660.4	663.0	664.3
7°	625.4	627.3	629.9	628.6	629.6
8°	592.2	590.0	590.9	594.2	594.5
9°	553.2	551.6	555.8	557.1	557.5
10°	515.2	516.9	516.5	521.1	519.1
12.5°	416.2	418.8	421.7	423.6	425.6
15°	327.8	329.4	331.4	335.9	337.9
17.5°	252.1	254.0	256.0	259.9	260.5
20°	192.0	193.0	194.3	197.8	196.9
22.5°	143.6	145.2	146.5	148.1	149.1
25°	108.2	108.2	110.5	111.4	112.1
27.5°	80.6	81.2	82.8	84.1	83.8
30°	60.7	61.7	62.7	63.3	63.7
32.5°	46.8	46.8	47.8	48.7	49.1
35°	35.4	36.1	36.7	37.4	37.4
37.5°	27.6	27.9	28.6	28.9	28.9
40°	21.8	21.8	22.4	22.7	22.7
42.5°	17.2	17.5	17.9	18.2	18.2
45°	14.0	14.0	14.3	14.6	14.6
47.5°	11.4	11.4	11.7	12.0	12.0
50°	9.4	9.7	9.7	10.1	10.1
52.5°	8.1	8.1	8.1	8.4	8.4
55°	6.8	6.8	7.1	7.1	7.1
57.5°	5.8	5.8	5.8	6.2	6.2
60°	5.2	5.2	5.2	5.2	5.2
62.5°	4.5	4.5	4.5	4.5	4.5
65°	3.9	3.9	3.9	3.9	3.9
67.5°	3.2	3.2	3.2	3.6	3.6
70°	2.6	2.9	2.9	2.9	2.9
72.5°	2.3	2.3	2.3	2.3	2.3
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.0	1.3	1.3	1.3	1.3
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)