

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: P1323501

Luminaire Tested: LDSQA3D02R459030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R459030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

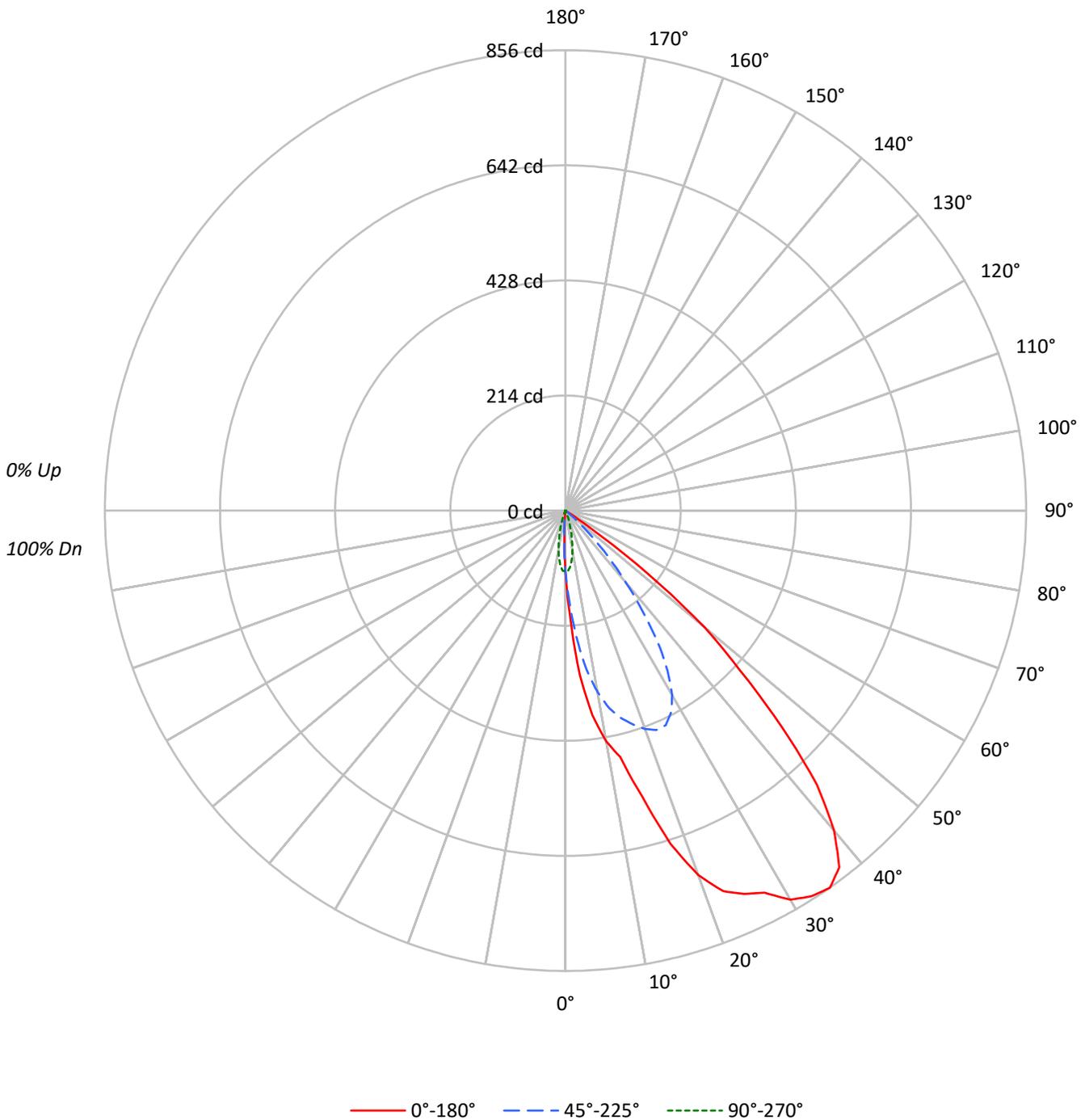
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 363.0 lumens
Efficiency: N/A
Efficacy: 50.4 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
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: P1323501
CATALOG NUMBER: LDSQA3D02R459030D2WDE010 3LSQCA30R 1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1323501

CATALOG NUMBER: LDSQA3D02R459030D2WDE010 3LSQCA30R 1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19409	19409	19409	19409	19409
5°	53005	40783	17962	3613	1348
10°	76125	59826	12994	350	280
15°	98010	71159	6918	125	0
20°	132087	79193	2621	0	0
25°	149399	83650	684	0	0
30°	166073	78850	60	0	0
35°	180033	62884	0	0	0
40°	174483	39479	0	0	0
45°	138317	18803	0	0	0
50°	90534	2358	0	0	0
55°	15554	0	0	0	0
60°	0	0	103	0	0
65°	0	122	122	0	0
70°	0	151	352	0	0
75°	0	200	466	0	0
80°	0	298	694	298	0
85°	0	593	1383	593	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 138317 cd/sqm



TEST NUMBER: P1323501

CATALOG NUMBER: LDSQA3D02R459030D2WDE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	3.7
10°-20°	51.7	14.2
20°-30°	96.8	26.7
30°-40°	113.0	31.1
40°-50°	73.7	20.3
50°-60°	13.7	3.8
60°-70°	0.1	0.0
70°-80°	0.3	0.1
80°-90°	0.3	0.1
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°	161.9	44.6
0°-40°	274.9	75.7
0°-60°	362.3	99.8
0°-90°	363.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	363.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	113	113	113	113	113	
5°	307	236	104	21	8	33
15°	550	399	39	1	0	164
25°	786	440	4	0	0	364
35°	856	299	0	0	0	525
45°	568	77	0	0	0	432
55°	52	0	0	0	0	90
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1323501

CATALOG NUMBER: LDSQA3D02R459030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7
2.5°	198.8	200.4	197.1	195.8	191.6	192.6	185.4	182.5	177.9	170.4	166.8
5°	306.6	303.7	301.1	295.5	292.3	283.5	273.7	262.6	249.3	235.9	220.6
7.5°	383.5	381.2	380.2	375.7	369.2	360.0	347.3	333.3	316.1	298.1	275.0
10°	435.3	433.0	429.1	424.6	419.3	411.9	399.5	384.2	365.3	342.1	315.1
12.5°	469.2	468.9	462.4	457.1	450.6	444.1	431.4	419.0	400.4	376.7	346.0
15°	549.7	544.5	536.0	521.3	503.1	486.1	465.6	446.1	425.9	399.1	364.9
17.5°	650.0	644.2	629.8	611.3	581.9	549.7	514.5	483.5	453.2	417.1	376.7
20°	720.7	718.5	706.4	684.9	653.6	610.9	564.7	521.0	478.3	432.1	382.2
22.5°	766.0	764.7	759.8	745.2	713.2	665.4	605.7	547.1	495.6	441.5	380.6
25°	786.2	787.9	788.5	781.3	755.6	706.7	636.0	566.9	505.4	440.2	368.2
27.5°	800.6	800.6	803.2	799.9	773.9	722.4	647.8	573.8	502.1	424.2	342.1
30°	835.1	834.5	836.1	827.3	791.1	727.3	642.5	562.7	483.5	396.5	304.7
32.5°	850.1	850.7	850.4	836.4	794.4	724.0	629.8	541.5	449.3	353.2	255.1
35°	856.3	853.4	841.3	809.4	756.3	680.7	594.0	505.7	401.4	299.1	201.4
37.5°	835.8	827.3	800.6	756.9	692.1	619.4	534.7	441.5	337.9	234.6	151.5
40°	776.1	765.1	731.5	678.7	619.4	553.9	464.6	366.2	264.3	175.6	106.2
42.5°	691.7	679.0	642.9	596.9	542.8	474.1	385.1	286.7	193.5	121.2	67.4
45°	567.9	560.8	539.9	501.1	448.0	376.7	295.2	209.2	133.9	77.2	34.5
47.5°	439.2	430.1	415.1	388.4	344.1	276.3	206.6	142.1	86.0	38.1	7.2
50°	337.9	327.1	308.9	279.2	233.0	184.4	133.9	88.6	43.7	8.8	0.3
52.5°	194.5	196.8	188.0	169.1	143.4	110.5	77.5	44.6	9.8	0.3	0.0
55°	51.8	56.0	54.7	59.0	51.8	43.7	32.3	8.5	0.7	0.0	0.0
57.5°	0.0	0.0	0.3	0.7	2.0	2.9	1.0	0.3	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1323501

CATALOG NUMBER: LDSQA3D02R459030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7
2.5°	158.7	151.8	143.4	112.1	84.4	60.6	47.2	43.7
5°	205.9	189.3	167.8	103.9	52.1	20.9	9.4	7.8
7.5°	250.6	226.1	187.4	90.9	26.4	5.2	2.6	2.3
10°	285.1	252.2	201.7	74.3	9.8	2.0	1.6	1.6
12.5°	308.9	268.8	206.9	56.4	3.6	1.0	1.0	0.7
15°	322.6	275.3	202.0	38.8	1.3	0.7	0.0	0.0
17.5°	326.8	272.7	189.0	24.4	0.3	0.0	0.0	0.0
20°	323.2	260.0	168.5	14.3	0.0	0.0	0.0	0.0
22.5°	311.5	240.1	143.7	7.8	0.0	0.0	0.0	0.0
25°	289.7	212.1	114.7	3.6	0.0	0.0	0.0	0.0
27.5°	254.1	175.9	86.3	1.3	0.0	0.0	0.0	0.0
30°	213.7	137.2	61.3	0.3	0.0	0.0	0.0	0.0
32.5°	166.8	101.0	39.4	0.0	0.0	0.0	0.0	0.0
35°	125.4	70.7	23.5	0.0	0.0	0.0	0.0	0.0
37.5°	87.3	44.6	12.4	0.0	0.0	0.0	0.0	0.0
40°	54.4	24.1	4.2	0.0	0.0	0.0	0.0	0.0
42.5°	30.3	8.5	0.3	0.0	0.0	0.0	0.0	0.0
45°	7.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
60°	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0
62.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
65°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
67.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
70°	0.3	0.3	0.3	0.7	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.7	0.7	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.7	0.7	0.3	0.0	0.0	0.0
77.5°	0.3	0.7	0.7	0.7	0.3	0.3	0.0	0.0
80°	0.3	0.7	0.7	0.7	0.7	0.3	0.0	0.0
82.5°	0.3	0.7	0.7	0.7	0.7	0.3	0.0	0.0
85°	0.3	0.7	0.7	0.7	0.3	0.3	0.0	0.0
87.5°	0.3	0.7	0.7	0.7	0.7	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)