

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: P1323493

Luminaire Tested: LDSQA3D02R409030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R409030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

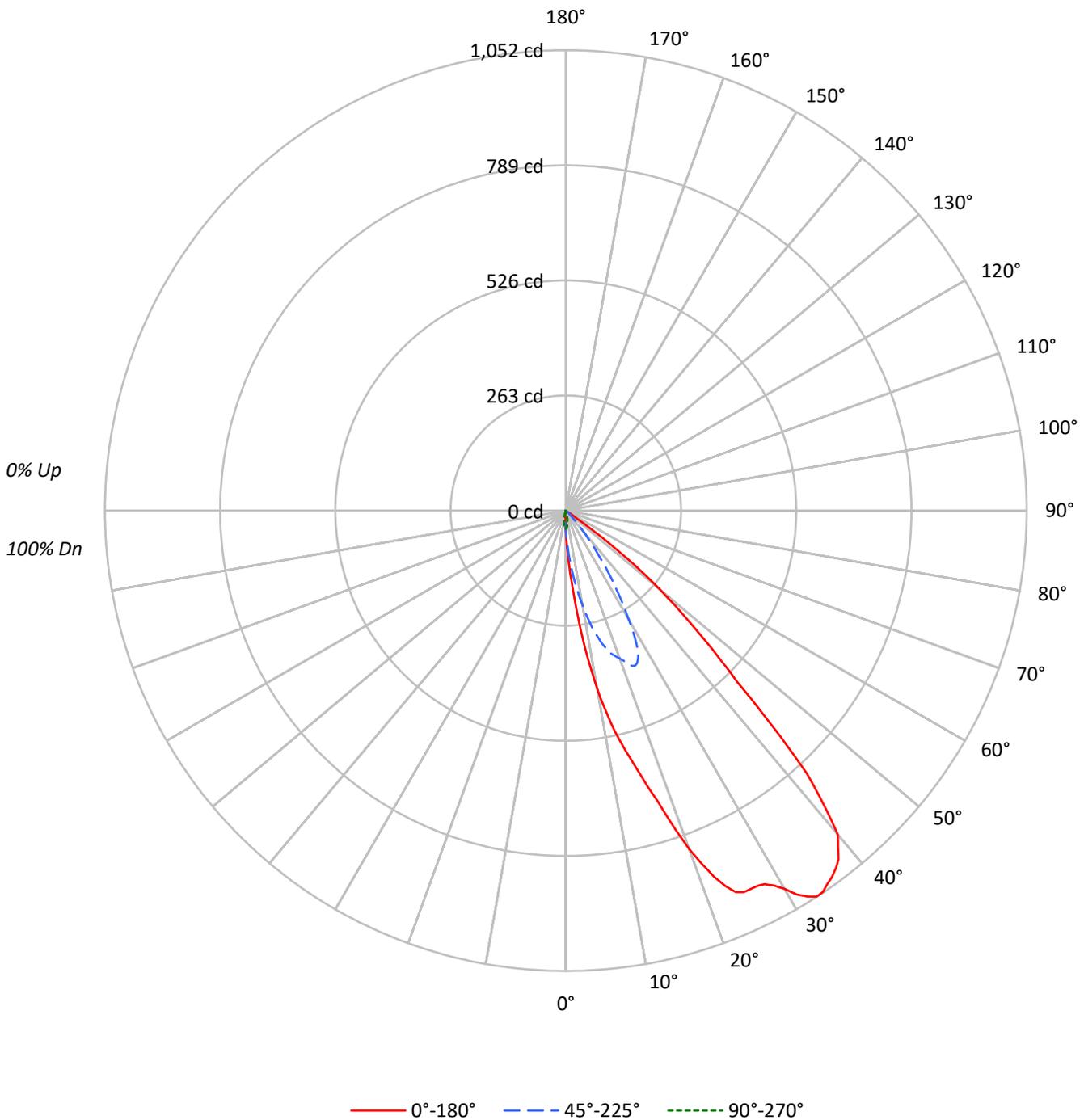
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 353.0 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
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

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Luminous Intensity Polar Plot





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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7113	7113	7113	7113	7113
5°	30185	20573	6241	1124	571
10°	72540	38264	3865	122	0
15°	106765	55593	1623	0	0
20°	150927	65906	605	0	0
25°	182806	73141	0	0	0
30°	198468	57214	0	0	0
35°	218844	33492	0	0	0
40°	217222	13602	0	0	0
45°	134518	3970	0	0	0
50°	74913	80	0	0	0
55°	7326	0	0	0	0
60°	0	0	103	0	0
65°	0	0	122	0	0
70°	0	151	352	0	0
75°	0	200	466	0	0
80°	0	298	694	0	0
85°	0	593	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 135151 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	2.2
10°-20°	45.5	12.9
20°-30°	103.9	29.4
30°-40°	122.6	34.7
40°-50°	65.5	18.6
50°-60°	7.1	2.0
60°-70°	0.1	0.0
70°-80°	0.3	0.1
80°-90°	0.2	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°	157.1	44.5
0°-40°	279.7	79.2
0°-60°	352.4	99.8
0°-90°	353.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	353.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	41	41	41	41	41	
5°	175	119	36	6	3	25
15°	599	312	9	0	0	178
25°	962	385	0	0	0	437
35°	1041	159	0	0	0	643
45°	552	16	0	0	0	455
55°	24	0	0	0	0	68
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
2.5°	96.2	94.3	95.6	93.0	93.0	87.1	87.5	82.6	75.4	57.5	41.0
5°	174.6	182.4	176.2	168.1	163.5	157.7	149.9	141.7	119.0	71.8	36.1
7.5°	292.3	291.6	281.2	272.4	262.4	246.7	232.1	212.3	169.4	82.2	29.9
10°	414.8	412.5	400.8	393.4	374.2	351.8	321.8	290.0	218.8	85.8	22.1
12.5°	516.9	514.0	504.2	491.5	470.4	442.1	409.9	368.0	270.8	81.9	14.3
15°	598.8	598.2	588.7	571.5	549.4	521.8	485.4	435.0	311.8	71.8	9.1
17.5°	696.0	699.9	683.0	664.5	632.6	593.9	549.4	491.9	342.0	59.5	5.9
20°	823.5	817.9	802.3	775.3	744.8	698.3	635.2	553.0	359.6	46.2	3.3
21°	862.5	860.2	843.9	818.9	785.1	738.0	672.9	584.2	367.7	41.3	2.6
22°	902.1	898.2	885.6	861.2	829.3	776.0	704.5	616.4	378.1	36.1	1.6
23°	931.7	930.1	920.3	896.3	863.4	811.8	738.6	646.3	385.2	31.2	1.0
24°	954.5	952.5	942.8	924.6	896.3	842.3	773.1	678.5	388.2	27.0	0.3
25°	962.0	962.9	957.1	942.8	919.0	865.1	798.8	703.8	384.9	23.1	0.0
26°	962.3	965.2	961.0	952.8	933.3	883.3	822.8	718.8	376.5	19.5	0.0
27°	962.3	965.2	961.0	954.8	935.6	893.7	835.8	720.4	363.5	16.6	0.0
28°	966.8	968.5	962.9	955.4	934.6	896.9	839.4	710.7	342.6	14.3	0.0
29°	979.5	977.9	968.8	958.7	933.7	896.9	828.7	692.1	316.6	12.0	0.0
30°	998.0	998.0	983.7	967.8	938.2	896.6	811.4	658.6	287.7	9.8	0.0
31°	1023.1	1020.8	1006.5	982.8	948.0	896.6	786.1	621.6	261.0	8.5	0.0
32°	1040.0	1038.7	1025.0	997.1	963.9	896.6	758.8	580.6	232.1	6.8	0.0
33°	1051.7	1049.1	1033.5	1004.5	973.7	892.1	728.2	536.7	206.1	5.5	0.0
34°	1050.1	1049.4	1033.1	1003.2	971.7	873.2	692.8	488.0	182.1	4.6	0.0
35°	1040.9	1040.9	1021.1	990.2	957.7	845.6	657.7	446.4	159.3	3.3	0.0
36°	1034.1	1031.5	1009.1	974.6	934.3	802.0	605.6	404.4	134.9	2.6	0.0
37°	1024.0	1019.2	994.1	957.1	901.2	754.9	551.0	367.0	114.1	1.6	0.0
38°	1011.0	1003.6	973.0	936.6	864.7	700.6	495.4	325.1	94.9	1.0	0.0
39°	987.3	981.1	949.6	910.3	821.2	643.4	441.5	285.8	76.7	0.3	0.0
40°	966.2	955.4	919.7	874.5	770.1	578.7	387.8	247.1	60.5	0.0	0.0
42.5°	814.7	803.3	795.2	750.3	613.5	415.5	270.8	158.3	31.5	0.0	0.0
45°	552.3	554.9	529.6	499.3	404.7	270.8	169.4	88.1	16.3	0.0	0.0
47.5°	402.8	396.0	361.5	304.3	237.3	158.3	88.4	42.6	6.5	0.0	0.0
50°	279.6	266.6	235.4	192.5	129.1	75.4	39.0	19.8	0.3	0.0	0.0
52.5°	151.8	142.7	120.9	87.8	53.6	28.9	15.6	8.1	0.0	0.0	0.0
55°	24.4	16.9	17.6	15.0	11.7	8.5	4.9	1.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	41.3	41.3	41.3	41.3
2.5°	27.6	18.9	14.3	12.4
5°	15.9	6.5	3.6	3.3
7.5°	7.8	2.3	1.3	1.3
10°	3.3	0.7	0.0	0.0
12.5°	1.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.3	0.0	0.0	0.0
67.5°	0.3	0.0	0.0	0.0
70°	0.3	0.0	0.0	0.0
72.5°	0.3	0.0	0.0	0.0
75°	0.3	0.0	0.0	0.0
77.5°	0.3	0.0	0.0	0.0
80°	0.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.3	0.0	0.0	0.0
85°	0.3	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)