

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: P1319714

Luminaire Tested: LDSQA3D02R509840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R509840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

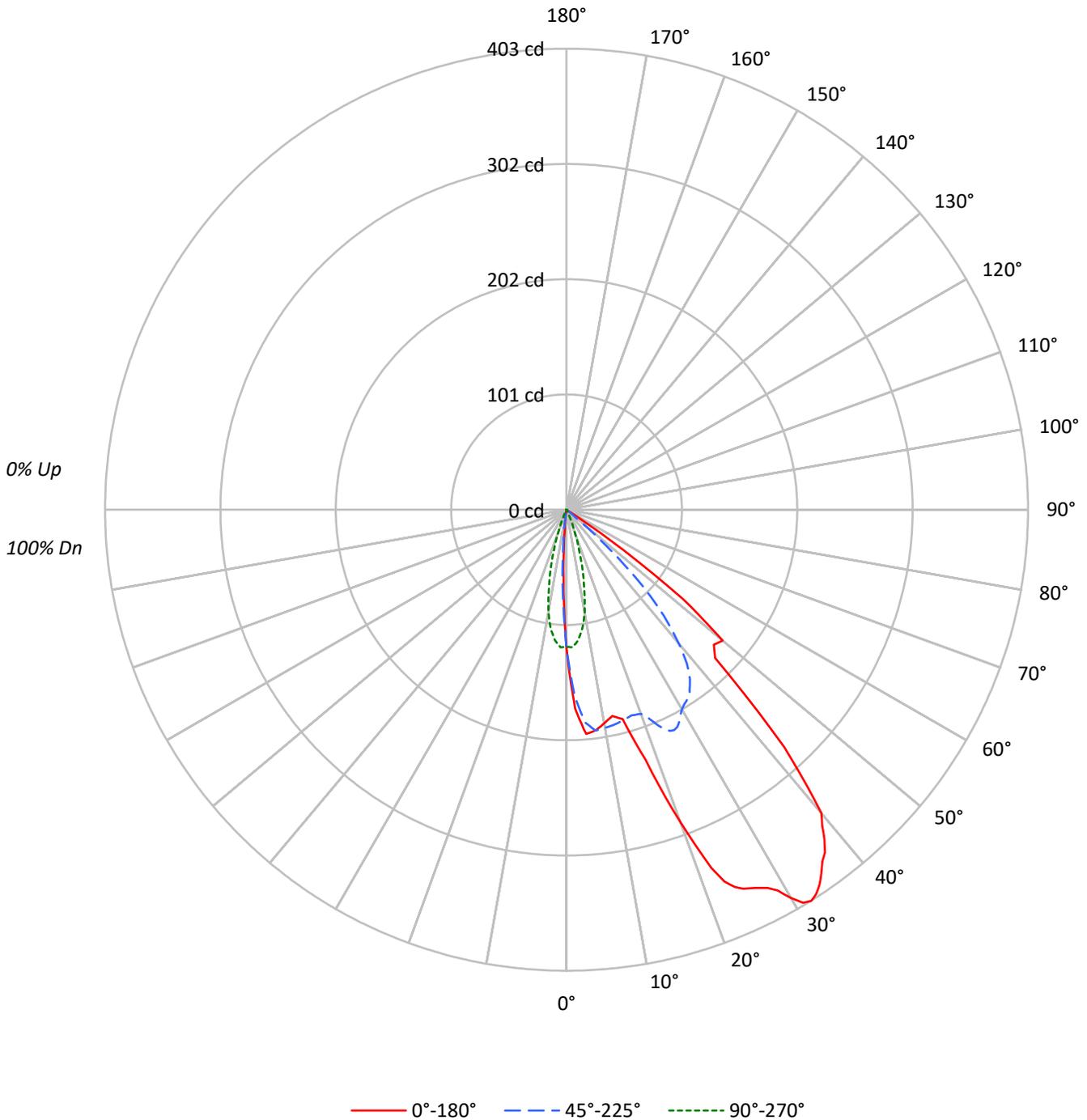
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 193.0 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
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

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Luminous Intensity Polar Plot





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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	89	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	82	78	75	74
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	75	71	68	66
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	69	65	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	64	59	55	54
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	55	49	46	44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20632	20632	20632	20632	20632
5°	34006	32277	19829	5895	2939
10°	33140	33874	15897	297	402
15°	33787	33984	9521	303	107
20°	53260	34804	3922	0	0
25°	69436	40533	931	0	0
30°	77935	40091	40	0	0
35°	81554	39484	0	0	0
40°	77810	34308	0	0	0
45°	44669	22627	0	0	0
50°	47665	2599	0	0	0
55°	13572	0	0	0	0
60°	0	0	69	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	397	198	0
85°	0	395	790	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 49345 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	5.2
10°-20°	25.4	13.1
20°-30°	48.7	25.2
30°-40°	56.7	29.4
40°-50°	40.6	21.0
50°-60°	11.3	5.9
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.1	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°	84.1	43.6
0°-40°	140.8	73.0
0°-60°	192.7	99.8
0°-90°	193.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	193.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	120	120	120	120	120	
5°	197	187	115	34	17	18
15°	190	191	53	2	1	61
25°	365	213	5	0	0	166
35°	388	188	0	0	0	240
45°	183	93	0	0	0	172
55°	45	0	0	0	0	57
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	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°	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8
2.5°	174.2	175.1	175.3	173.0	173.4	170.2	170.4	168.1	162.6	143.5	120.4
5°	196.7	196.1	196.7	195.9	196.7	194.8	193.7	192.7	186.7	159.6	114.7
7.5°	194.6	193.8	195.0	195.4	196.7	196.1	196.3	196.9	194.8	168.3	105.1
10°	189.5	189.3	189.9	189.9	191.4	191.6	192.3	193.5	193.7	171.3	90.9
12.5°	184.6	184.0	184.0	183.8	184.6	184.4	186.3	188.9	192.5	169.4	71.4
15°	189.5	188.9	188.2	186.1	184.6	182.9	183.1	184.8	190.6	164.5	53.4
17.5°	229.2	226.2	222.4	215.8	208.8	196.7	189.5	185.0	188.4	156.9	35.6
20°	290.6	289.3	283.2	272.4	261.1	243.3	221.1	203.3	189.9	147.5	21.4
21°	313.9	313.1	306.7	296.6	283.8	262.2	239.5	218.1	192.9	143.5	16.8
22°	337.7	334.9	329.8	318.6	305.2	283.6	258.2	234.5	199.0	138.4	12.9
23°	353.1	351.4	345.9	337.0	324.1	303.1	277.1	251.4	204.8	132.7	9.7
24°	361.0	360.4	356.1	349.8	338.9	317.5	292.9	266.4	209.8	126.1	7.0
25°	365.4	363.5	360.8	356.3	347.9	329.4	307.4	279.4	213.3	119.5	4.9
26°	368.0	366.9	362.7	358.7	350.8	335.6	316.9	287.4	214.3	111.3	3.4
27°	371.0	368.4	364.4	359.7	350.8	337.5	320.5	290.8	213.2	103.0	2.3
28°	374.3	372.4	366.9	360.8	350.2	337.5	319.2	286.2	209.8	95.0	1.3
29°	380.5	378.0	371.2	362.3	350.4	337.2	314.1	276.8	205.2	86.1	0.8
30°	391.9	386.8	378.4	365.9	351.7	336.4	305.5	262.6	201.6	76.1	0.2
31°	400.8	397.9	388.3	372.6	355.5	334.3	295.5	248.6	199.1	67.4	0.0
32°	403.2	401.1	394.1	379.4	362.0	332.6	284.1	234.9	197.3	57.7	0.0
33°	400.4	399.1	391.7	378.2	363.7	330.3	271.1	221.5	195.2	49.0	0.0
34°	395.1	393.4	386.9	373.3	359.3	320.5	258.6	211.3	192.1	40.9	0.0
35°	387.9	386.6	379.9	366.5	351.4	305.2	246.1	204.4	187.8	32.7	0.0
36°	380.1	379.7	371.2	358.0	341.1	290.4	231.0	199.3	183.4	25.9	0.0
37°	375.0	373.1	363.8	350.8	329.0	273.2	218.8	197.6	177.4	20.1	0.0
38°	365.7	366.1	355.5	343.6	316.7	258.2	209.0	196.3	170.6	14.6	0.0
39°	354.8	354.9	344.0	333.7	302.1	242.5	200.9	195.0	162.0	9.3	0.0
40°	346.1	345.9	333.4	322.4	286.4	227.7	196.5	193.1	152.6	5.3	0.0
42.5°	281.3	282.4	284.0	288.5	249.5	201.8	192.3	182.5	125.7	0.0	0.0
45°	183.4	187.8	188.9	202.6	202.4	191.2	182.5	163.6	92.9	0.0	0.0
47.5°	174.5	175.9	178.3	183.6	186.5	181.0	163.2	136.7	50.7	0.0	0.0
50°	177.9	177.8	178.3	178.3	173.2	159.0	133.8	100.9	9.7	0.0	0.0
52.5°	127.8	132.5	137.6	139.9	133.3	118.3	97.7	59.3	0.0	0.0	0.0
55°	45.2	43.7	42.6	46.6	45.6	51.3	42.4	13.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.8	1.7	2.3	0.0	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	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4



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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	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
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°	119.8	119.8	119.8	119.8
2.5°	96.0	73.6	59.6	60.6
5°	67.4	34.1	21.0	17.0
7.5°	40.3	10.4	2.1	1.7
10°	18.9	1.7	1.9	2.3
12.5°	5.7	1.5	2.1	1.9
15°	1.5	1.7	0.9	0.6
17.5°	0.6	0.8	0.0	0.0
20°	0.4	0.0	0.0	0.0
21°	0.4	0.0	0.0	0.0
22°	0.2	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°	0.2	0.0	0.0	0.0
67.5°	0.2	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.0
72.5°	0.2	0.0	0.0	0.0
75°	0.2	0.0	0.0	0.0
77.5°	0.2	0.0	0.0	0.0
80°	0.2	0.2	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.0	0.0
87.5°	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)