

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: P1320993

Luminaire Tested: LDSQA3D02R50B2750DE010 3LSQCA30R 1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320993
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: LDSQA3D02R50B2750DE010 3LSQCA30R 1MB_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 80CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

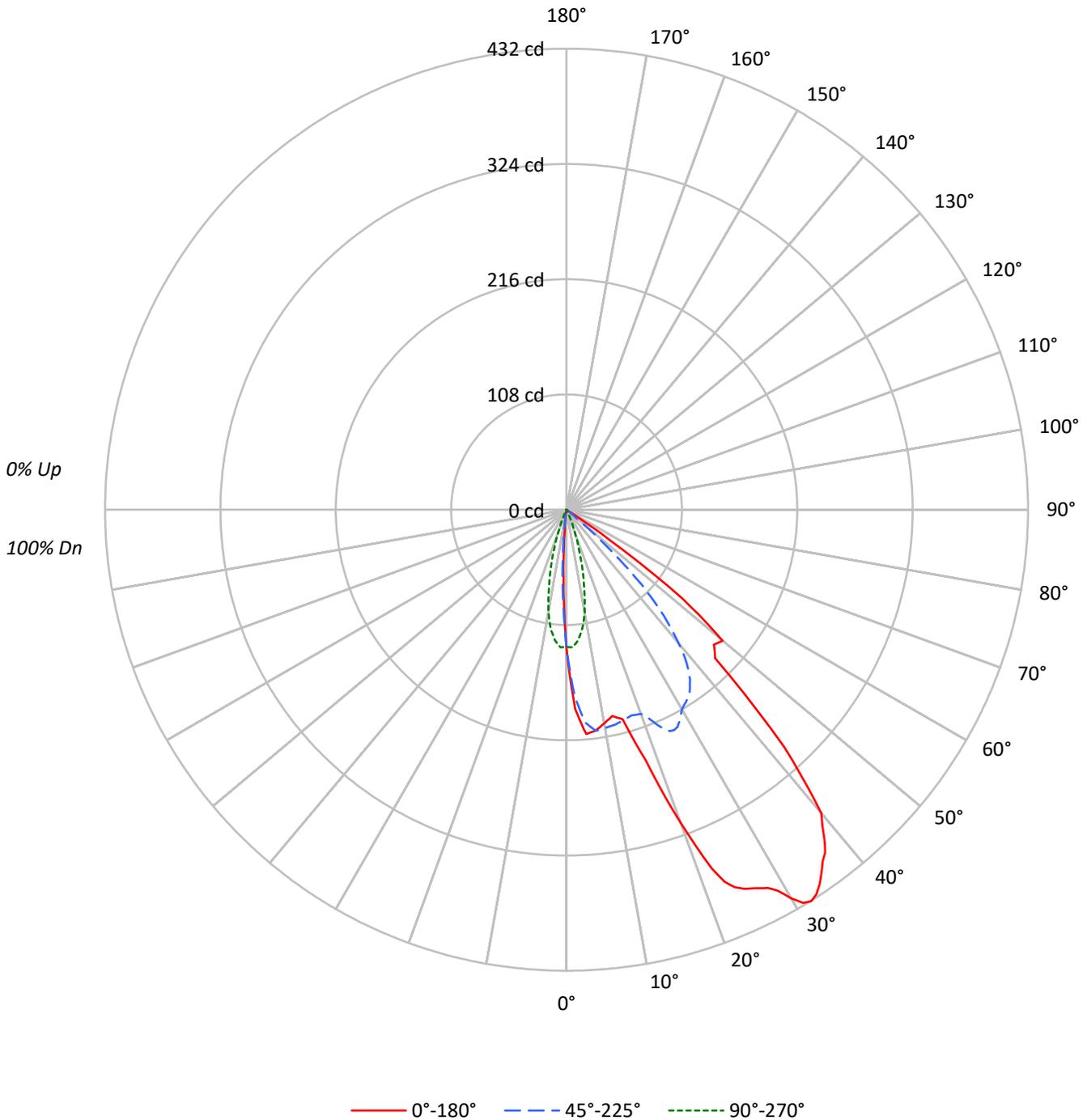
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 207.0 lumens
Efficiency: N/A
Efficacy: 71.4 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): 2.9
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	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22131	22131	22131	22131	22131
5°	36478	34611	21264	6310	3164
10°	35536	36322	17051	315	420
15°	36230	36462	10216	321	107
20°	57127	37315	4197	0	0
25°	74471	43478	1007	0	0
30°	83583	42995	40	0	0
35°	87462	42343	0	0	0
40°	83453	36781	0	0	0
45°	47908	24283	0	0	0
50°	51148	2786	0	0	0
55°	14563	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: 52901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	5.2
10°-20°	27.2	13.1
20°-30°	52.2	25.2
30°-40°	60.8	29.4
40°-50°	43.5	21.0
50°-60°	12.1	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°	90.2	43.6
0°-40°	151.0	73.0
0°-60°	206.6	99.8
0°-90°	207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	207.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	211	200	123	36	18	19
15°	203	204	57	2	1	66
25°	392	229	5	0	0	178
35°	416	201	0	0	0	257
45°	197	100	0	0	0	185
55°	48	0	0	0	0	61
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5
2.5°	186.8	187.8	188.0	185.6	186.0	182.5	182.7	180.3	174.4	153.9	129.1
5°	211.0	210.3	211.0	210.1	211.0	208.9	207.7	206.7	200.2	171.2	123.0
7.5°	208.7	207.9	209.1	209.5	211.0	210.3	210.5	211.2	208.9	180.5	112.7
10°	203.2	203.0	203.6	203.6	205.3	205.5	206.3	207.5	207.7	183.7	97.5
12.5°	198.0	197.4	197.4	197.1	198.0	197.8	199.8	202.6	206.5	181.7	76.5
15°	203.2	202.6	201.8	199.6	198.0	196.1	196.3	198.2	204.5	176.4	57.3
17.5°	245.9	242.6	238.6	231.5	224.0	211.0	203.2	198.4	202.0	168.3	38.2
20°	311.7	310.2	303.7	292.2	280.0	260.9	237.1	218.1	203.6	158.2	22.9
21°	336.6	335.8	328.9	318.2	304.4	281.2	256.8	233.9	206.9	153.9	18.1
22°	362.2	359.2	353.7	341.7	327.3	304.1	276.9	251.6	213.4	148.4	13.8
23°	378.7	376.8	370.9	361.4	347.6	325.1	297.2	269.6	219.7	142.3	10.4
24°	387.2	386.6	381.9	375.2	363.4	340.5	314.1	285.7	225.0	135.2	7.5
25°	391.9	389.8	387.0	382.1	373.2	353.3	329.7	299.7	228.8	128.1	5.3
26°	394.7	393.5	389.0	384.8	376.2	360.0	339.9	308.2	229.8	119.4	3.7
27°	398.0	395.1	390.8	385.8	376.2	362.0	343.7	311.9	228.6	110.5	2.4
28°	401.4	399.4	393.5	387.0	375.6	362.0	342.3	307.0	225.0	101.9	1.4
29°	408.1	405.5	398.2	388.6	375.8	361.6	336.8	296.8	220.1	92.4	0.8
30°	420.3	414.8	405.9	392.5	377.2	360.8	327.7	281.6	216.2	81.6	0.2
31°	429.8	426.8	416.4	399.6	381.3	358.6	316.9	266.6	213.6	72.3	0.0
32°	432.5	430.2	422.7	406.9	388.2	356.7	304.8	252.0	211.6	61.9	0.0
33°	429.4	428.0	420.1	405.7	390.0	354.3	290.7	237.6	209.3	52.6	0.0
34°	423.7	421.9	415.0	400.4	385.4	343.7	277.3	226.6	206.1	43.9	0.0
35°	416.0	414.6	407.5	393.1	376.8	327.3	263.9	219.3	201.4	35.1	0.0
36°	407.7	407.3	398.2	383.9	365.9	311.5	247.7	213.8	196.7	27.8	0.0
37°	402.2	400.2	390.2	376.2	352.9	293.0	234.7	212.0	190.2	21.5	0.0
38°	392.3	392.7	381.3	368.5	339.7	276.9	224.2	210.5	182.9	15.6	0.0
39°	380.5	380.7	368.9	358.0	324.0	260.1	215.4	209.1	173.8	9.9	0.0
40°	371.2	370.9	357.5	345.8	307.2	244.3	210.8	207.1	163.6	5.7	0.0
42.5°	301.7	302.9	304.6	309.4	267.6	216.4	206.3	195.7	134.8	0.0	0.0
45°	196.7	201.4	202.6	217.2	217.0	205.1	195.7	175.4	99.7	0.0	0.0
47.5°	187.2	188.6	191.3	196.9	200.0	194.1	175.0	146.6	54.4	0.0	0.0
50°	190.9	190.7	191.3	191.3	185.8	170.6	143.5	108.2	10.4	0.0	0.0
52.5°	137.1	142.1	147.6	150.0	142.9	126.9	104.8	63.6	0.0	0.0	0.0
55°	48.5	46.9	45.7	49.9	48.9	55.0	45.5	14.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.8	1.8	2.4	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°	128.5	128.5	128.5	128.5
2.5°	102.9	79.0	64.0	65.0
5°	72.3	36.5	22.5	18.3
7.5°	43.2	11.2	2.2	1.8
10°	20.3	1.8	2.0	2.4
12.5°	6.1	1.6	2.2	2.0
15°	1.6	1.8	1.0	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)