

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: P1320995

Luminaire Tested: LDSQA3D02R50B2750DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320995
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 1MMS_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

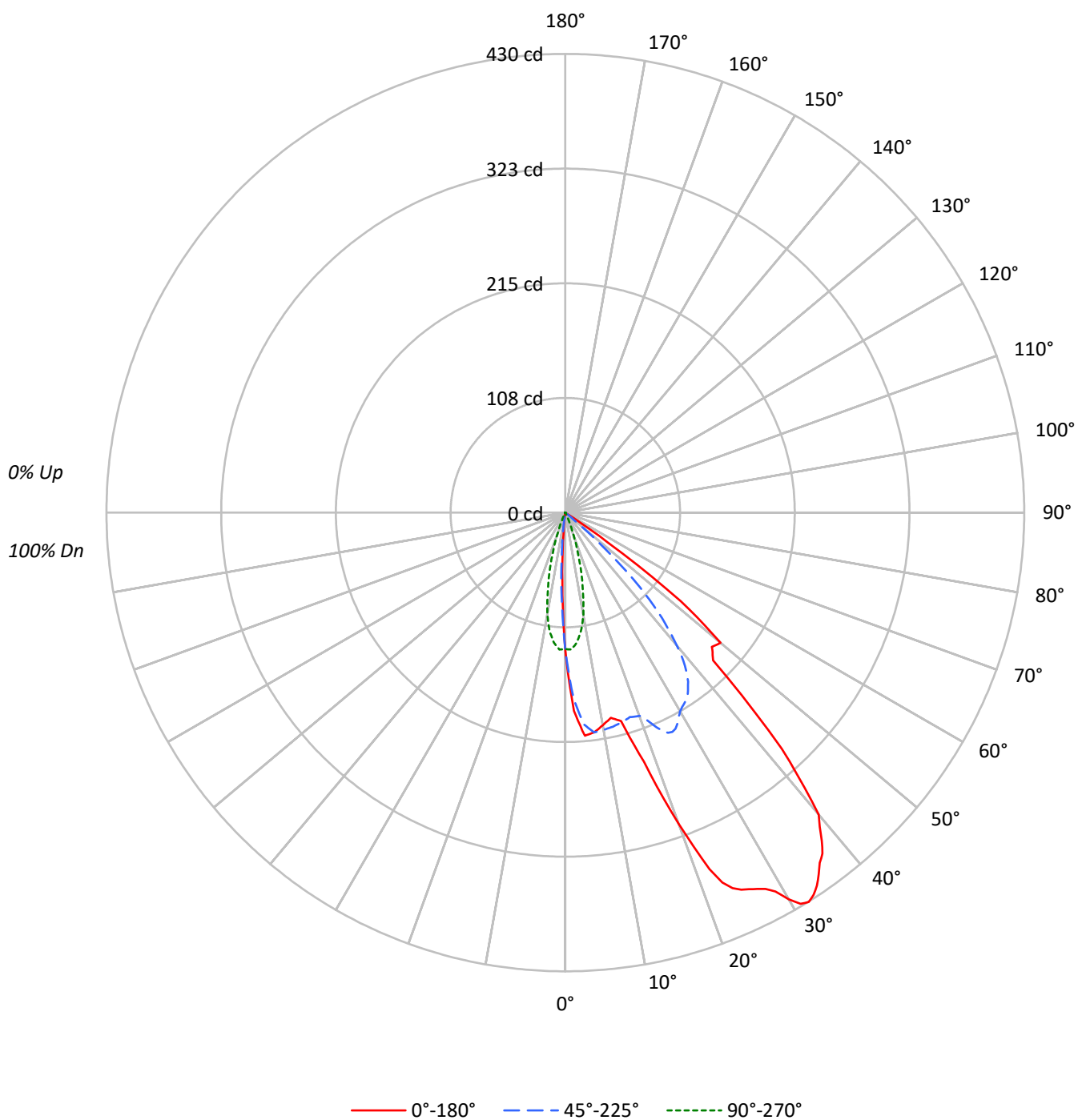
Lumens per Lamp: N/A
Luminaire Lumens: 206.0 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	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°	22027	22027	22027	22027	22027
5°	36288	34438	21161	6293	3146
10°	35378	36148	16963	315	420
15°	36070	36284	10163	321	107
20°	56852	37150	4179	0	0
25°	74110	43269	1007	0	0
30°	83185	42796	40	0	0
35°	87041	42133	0	0	0
40°	83049	36623	0	0	0
45°	47689	24161	0	0	0
50°	50880	2760	0	0	0
55°	14503	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: 52658 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	5.2
10°-20°	27.1	13.1
20°-30°	52.0	25.2
30°-40°	60.5	29.4
40°-50°	43.3	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°	89.8	43.6
0°-40°	150.3	73.0
0°-60°	205.6	99.8
0°-90°	206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	206.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	210	199	122	36	18	19
15°	202	204	57	2	1	65
25°	390	228	5	0	0	177
35°	414	200	0	0	0	256
45°	196	99	0	0	0	184
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9
2.5°	185.9	186.9	187.1	184.7	185.1	181.6	181.9	179.4	173.6	153.2	128.5
5°	209.9	209.3	209.9	209.1	209.9	207.9	206.7	205.7	199.2	170.3	122.4
7.5°	207.7	206.9	208.1	208.5	209.9	209.3	209.5	210.1	207.9	179.6	112.1
10°	202.3	202.1	202.7	202.7	204.3	204.5	205.3	206.5	206.7	182.9	97.0
12.5°	197.0	196.4	196.4	196.2	197.0	196.8	198.8	201.7	205.5	180.8	76.2
15°	202.3	201.7	200.8	198.6	197.0	195.2	195.4	197.2	203.5	175.6	57.0
17.5°	244.7	241.5	237.4	230.3	222.9	209.9	202.3	197.4	201.0	167.5	38.0
20°	310.2	308.7	302.3	290.8	278.6	259.6	236.0	217.0	202.7	157.4	22.8
21°	335.0	334.2	327.3	316.6	302.9	279.8	255.6	232.8	205.9	153.2	18.0
22°	360.5	357.4	352.0	340.1	325.7	302.7	275.6	250.3	212.4	147.7	13.7
23°	376.8	375.0	369.2	359.7	345.9	323.5	295.8	268.3	218.6	141.6	10.3
24°	385.3	384.7	380.1	373.4	361.7	338.8	312.6	284.3	223.9	134.6	7.5
25°	390.0	387.9	385.1	380.3	371.4	351.6	328.1	298.2	227.7	127.5	5.3
26°	392.8	391.6	387.1	382.9	374.4	358.2	338.2	306.7	228.7	118.8	3.6
27°	396.0	393.2	389.0	383.9	374.4	360.3	342.1	310.4	227.5	109.9	2.4
28°	399.5	397.4	391.6	385.1	373.8	360.3	340.7	305.5	223.9	101.4	1.4
29°	406.1	403.5	396.2	386.7	374.0	359.9	335.2	295.4	219.0	91.9	0.8
30°	418.3	412.8	403.9	390.6	375.4	359.1	326.1	280.3	215.2	81.2	0.2
31°	427.8	424.7	414.4	397.6	379.5	356.8	315.4	265.3	212.6	71.9	0.0
32°	430.4	428.2	420.7	404.9	386.3	355.0	303.3	250.8	210.5	61.6	0.0
33°	427.3	425.9	418.1	403.7	388.2	352.6	289.3	236.4	208.3	52.3	0.0
34°	421.7	419.9	413.0	398.5	383.5	342.1	276.0	225.5	205.1	43.6	0.0
35°	414.0	412.6	405.5	391.2	375.0	325.7	262.7	218.2	200.4	35.0	0.0
36°	405.7	405.3	396.2	382.1	364.1	310.0	246.5	212.8	195.8	27.7	0.0
37°	400.3	398.3	388.4	374.4	351.2	291.6	233.6	210.9	189.3	21.4	0.0
38°	390.4	390.8	379.5	366.7	338.0	275.6	223.1	209.5	182.1	15.6	0.0
39°	378.7	378.9	367.1	356.2	322.5	258.8	214.4	208.1	173.0	9.9	0.0
40°	369.4	369.2	355.8	344.1	305.7	243.1	209.7	206.1	162.9	5.7	0.0
42.5°	300.3	301.5	303.1	307.9	266.3	215.4	205.3	194.8	134.2	0.0	0.0
45°	195.8	200.4	201.7	216.2	216.0	204.1	194.8	174.6	99.2	0.0	0.0
47.5°	186.3	187.7	190.3	196.0	199.0	193.2	174.2	145.9	54.2	0.0	0.0
50°	189.9	189.7	190.3	190.3	184.9	169.7	142.9	107.7	10.3	0.0	0.0
52.5°	136.4	141.4	146.9	149.3	142.2	126.3	104.3	63.2	0.0	0.0	0.0
55°	48.3	46.7	45.5	49.7	48.7	54.8	45.3	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°	127.9	127.9	127.9	127.9
2.5°	102.4	78.6	63.6	64.7
5°	71.9	36.4	22.4	18.2
7.5°	43.0	11.1	2.2	1.8
10°	20.2	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)