

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: P1320991

Luminaire Tested: LDSQA3D02R50B2750DE010 3LSQCA30R 1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320991
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

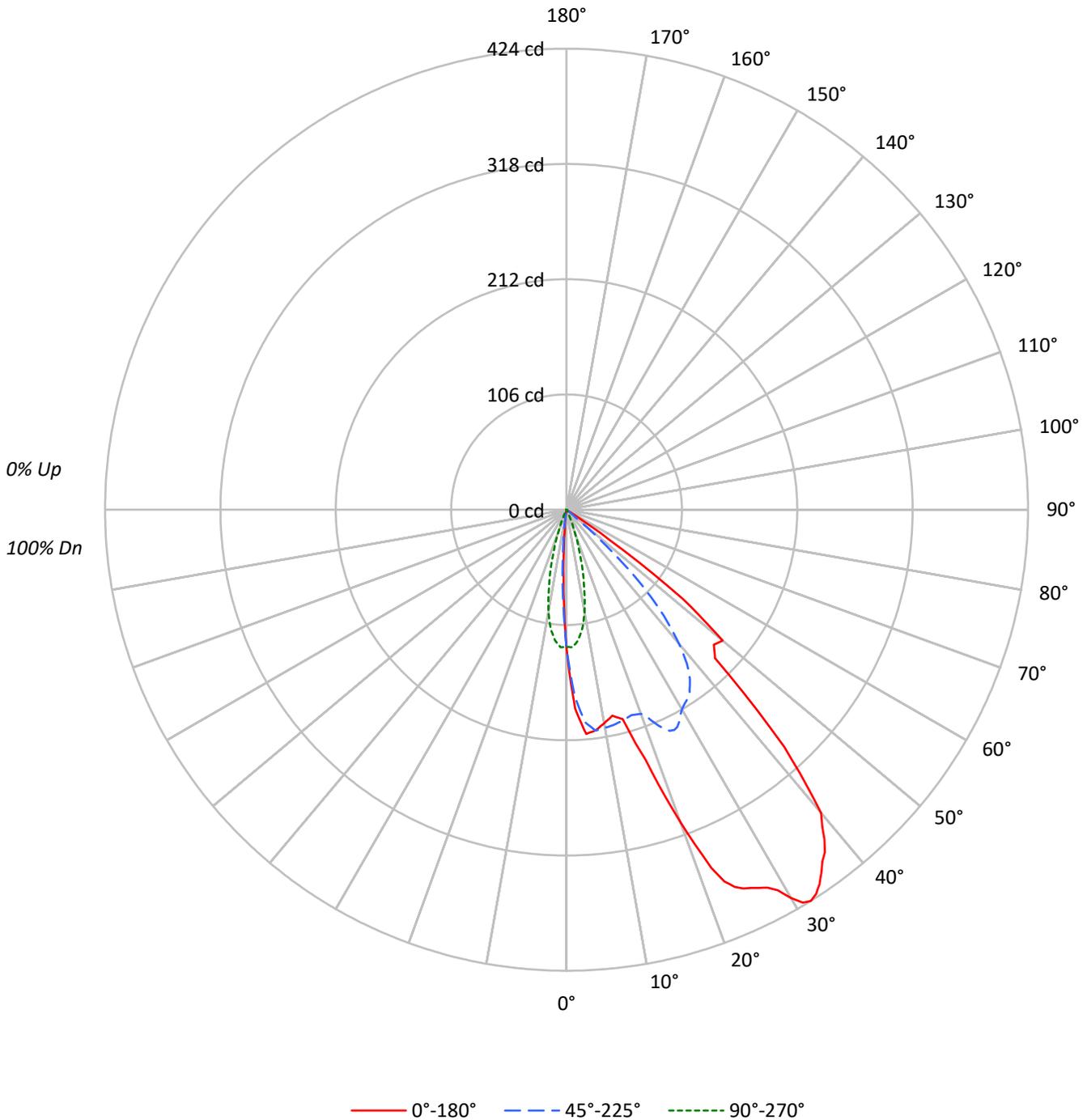
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 203.0 lumens
Efficiency: N/A
Efficacy: 70.0 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	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°	21700	21700	21700	21700	21700
5°	35769	33936	20867	6189	3095
10°	34853	35623	16718	315	420
15°	35535	35749	10020	321	107
20°	56009	36600	4124	0	0
25°	73027	42642	988	0	0
30°	81972	42179	40	0	0
35°	85780	41523	0	0	0
40°	81835	36084	0	0	0
45°	46983	23820	0	0	0
50°	50157	2733	0	0	0
55°	14292	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: 51903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	5.2
10°-20°	26.7	13.1
20°-30°	51.2	25.2
30°-40°	59.6	29.4
40°-50°	42.7	21.0
50°-60°	11.9	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°	88.5	43.6
0°-40°	148.1	73.0
0°-60°	202.7	99.8
0°-90°	203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	203.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	126	126	126	126	126	
5°	207	196	121	36	18	19
15°	199	200	56	2	1	64
25°	384	224	5	0	0	175
35°	408	198	0	0	0	252
45°	193	98	0	0	0	181
55°	48	0	0	0	0	60
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°	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0
2.5°	183.2	184.2	184.4	182.0	182.4	179.0	179.2	176.8	171.0	150.9	126.6
5°	206.9	206.3	206.9	206.1	206.9	204.9	203.7	202.7	196.3	167.9	120.7
7.5°	204.7	203.9	205.1	205.5	206.9	206.3	206.5	207.1	204.9	177.0	110.5
10°	199.3	199.1	199.7	199.7	201.3	201.5	202.3	203.5	203.7	180.2	95.6
12.5°	194.1	193.5	193.5	193.3	194.1	193.9	195.9	198.7	202.5	178.2	75.1
15°	199.3	198.7	197.9	195.7	194.1	192.3	192.5	194.3	200.5	173.0	56.2
17.5°	241.1	237.9	234.0	227.0	219.6	206.9	199.3	194.5	198.1	165.1	37.4
20°	305.6	304.2	297.9	286.5	274.6	255.9	232.6	213.8	199.7	155.1	22.5
21°	330.1	329.3	322.6	312.0	298.5	275.8	251.9	229.4	202.9	150.9	17.7
22°	355.2	352.2	346.9	335.1	321.0	298.3	271.6	246.7	209.3	145.6	13.5
23°	371.3	369.6	363.8	354.4	340.9	318.8	291.5	264.4	215.4	139.6	10.2
24°	379.7	379.1	374.5	368.0	356.4	333.9	308.0	280.2	220.6	132.6	7.4
25°	384.3	382.3	379.5	374.7	366.0	346.5	323.4	293.9	224.4	125.6	5.2
26°	387.1	385.9	381.5	377.3	369.0	353.0	333.3	302.3	225.4	117.1	3.6
27°	390.3	387.5	383.3	378.3	369.0	355.0	337.1	305.8	224.2	108.3	2.4
28°	393.6	391.7	385.9	379.5	368.4	355.0	335.7	301.1	220.6	100.0	1.4
29°	400.2	397.6	390.5	381.1	368.6	354.6	330.3	291.1	215.8	90.6	0.8
30°	412.2	406.8	398.0	384.9	370.0	353.8	321.4	276.2	212.1	80.0	0.2
31°	421.5	418.5	408.4	391.9	373.9	351.6	310.8	261.4	209.5	70.9	0.0
32°	424.1	421.9	414.6	399.0	380.7	349.8	298.9	247.1	207.5	60.7	0.0
33°	421.1	419.7	412.0	397.8	382.5	347.5	285.1	233.0	205.3	51.6	0.0
34°	415.6	413.8	407.0	392.7	377.9	337.1	272.0	222.2	202.1	43.0	0.0
35°	408.0	406.6	399.6	385.5	369.6	321.0	258.8	215.0	197.5	34.4	0.0
36°	399.8	399.4	390.5	376.5	358.8	305.4	242.9	209.7	192.9	27.3	0.0
37°	394.4	392.5	382.7	369.0	346.1	287.3	230.2	207.9	186.6	21.1	0.0
38°	384.7	385.1	373.9	361.4	333.1	271.6	219.8	206.5	179.4	15.3	0.0
39°	373.1	373.3	361.8	351.0	317.8	255.1	211.3	205.1	170.4	9.8	0.0
40°	364.0	363.8	350.6	339.1	301.3	239.5	206.7	203.1	160.5	5.6	0.0
42.5°	295.9	297.1	298.7	303.4	262.4	212.3	202.3	191.9	132.2	0.0	0.0
45°	192.9	197.5	198.7	213.1	212.9	201.1	191.9	172.0	97.8	0.0	0.0
47.5°	183.6	185.0	187.6	193.1	196.1	190.4	171.6	143.8	53.4	0.0	0.0
50°	187.2	187.0	187.6	187.6	182.2	167.3	140.8	106.1	10.2	0.0	0.0
52.5°	134.4	139.4	144.8	147.1	140.2	124.4	102.7	62.3	0.0	0.0	0.0
55°	47.6	46.0	44.8	49.0	48.0	54.0	44.6	14.5	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°	126.0	126.0	126.0	126.0
2.5°	101.0	77.5	62.7	63.7
5°	70.9	35.8	22.1	17.9
7.5°	42.4	11.0	2.2	1.8
10°	19.9	1.8	2.0	2.4
12.5°	6.0	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)