

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: P1321021

Luminaire Tested: LDSQA3D02R50B2750DE010 3LSQCDR1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R50B2750DE010 3LSQCDR1MB_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

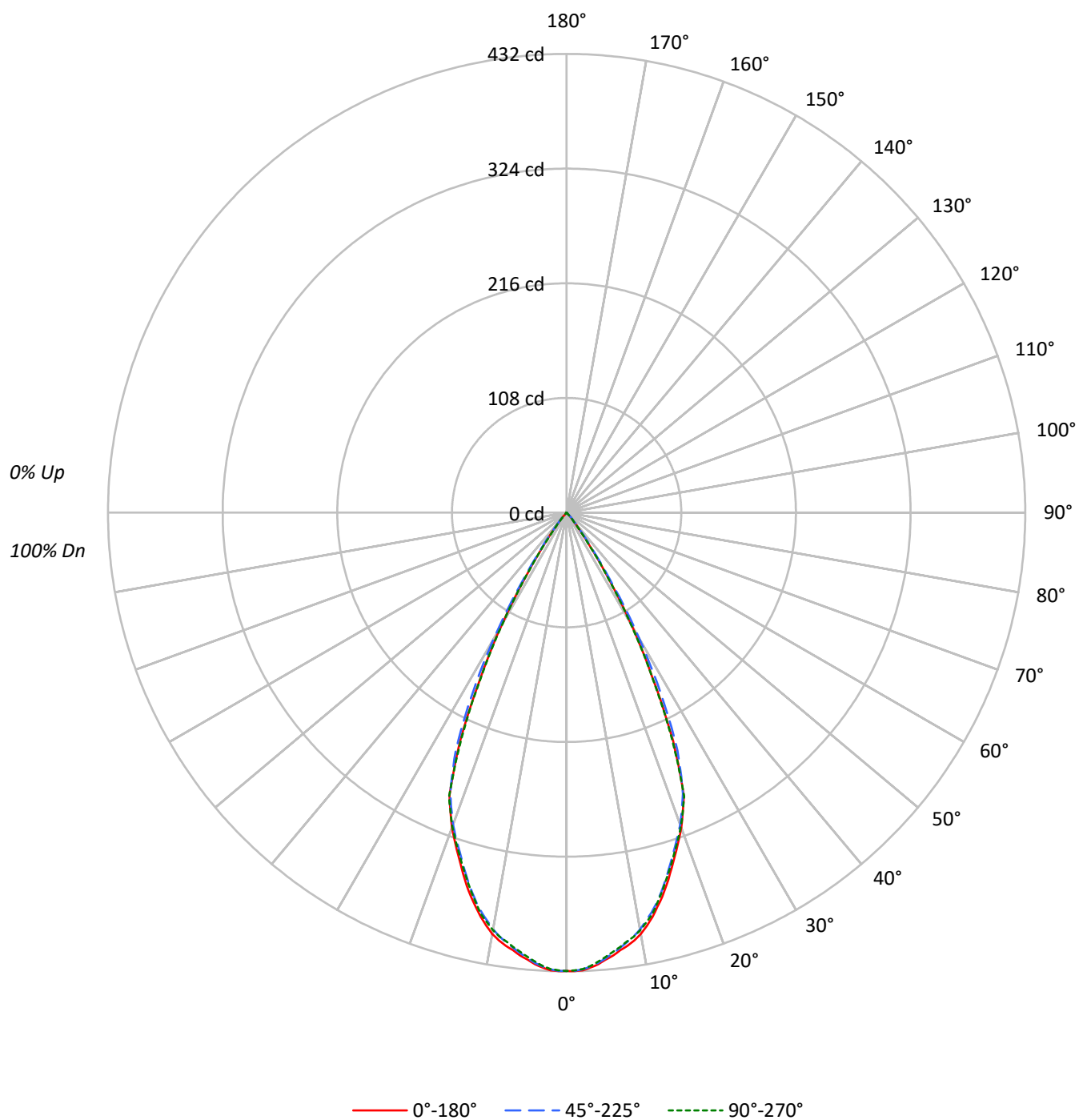
Lumens per Lamp: N/A
Luminaire Lumens: 278.0 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	74349	74349	74349
5°	73059	72852	72644
10°	70459	69689	69829
15°	64811	63991	64169
20°	57878	57329	57658
25°	45036	46937	44542
30°	24401	27245	23963
35°	7695	9146	7527
40°	1709	2361	1619
45°	49	731	49
50°	0	107	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 731 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	14.2
10°-20°	100.5	36.1
20°-30°	105.8	38.1
30°-40°	30.2	10.9
40°-50°	1.9	0.7
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	245.9	88.4
0°-40°	276.1	99.3
0°-60°	278.0	100.0
0°-90°	278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	432	432	432	432	432	
5°	423	422	421	421	420	40
15°	364	361	359	360	360	101
25°	237	246	247	244	234	104
35°	37	39	44	37	36	29
45°	0	1	3	1	0	1
55°	0	0	0	0	0	0
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°	22.5°	45°	67.5°	90°
0°	431.7	431.7	431.7	431.7	431.7
1°	431.9	432.1	431.7	432.1	431.1
2°	431.3	430.9	430.5	430.7	430.1
3°	429.1	428.9	428.1	428.3	427.5
4°	426.3	425.7	425.1	424.7	424.0
5°	422.6	422.2	421.4	421.0	420.2
6°	419.4	418.6	417.2	416.8	416.0
7°	415.2	414.8	413.0	412.6	412.2
8°	412.0	410.8	408.6	408.8	407.8
9°	407.8	406.3	404.1	404.1	404.3
10°	402.9	400.5	398.5	399.1	399.3
11°	396.3	394.7	391.7	393.1	393.1
12°	389.2	387.2	385.0	386.2	387.0
13°	380.8	379.2	377.2	378.4	378.0
14°	372.7	369.7	368.3	369.9	369.3
15°	363.5	361.1	358.9	359.5	359.9
17.5°	339.0	336.5	334.9	335.1	336.9
20°	315.8	314.8	312.8	313.6	314.6
22.5°	288.3	288.7	286.3	286.9	289.3
25°	237.0	245.8	247.0	244.2	234.4
27.5°	175.6	188.7	192.7	186.3	174.4
30°	122.7	126.3	137.0	124.9	120.5
32.5°	72.0	77.4	83.1	74.8	71.8
35°	36.6	39.2	43.5	37.0	35.8
37.5°	16.9	18.1	19.9	16.9	15.9
40°	7.6	8.9	10.5	8.6	7.2
42.5°	2.4	4.2	5.6	3.8	2.2
45°	0.2	1.0	3.0	1.0	0.2
47.5°	0.0	0.2	1.2	0.2	0.0
50°	0.0	0.0	0.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)