

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: P1321020

Luminaire Tested: LDSQA3D02R50B2750DE010 3LSQCDR1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321020
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

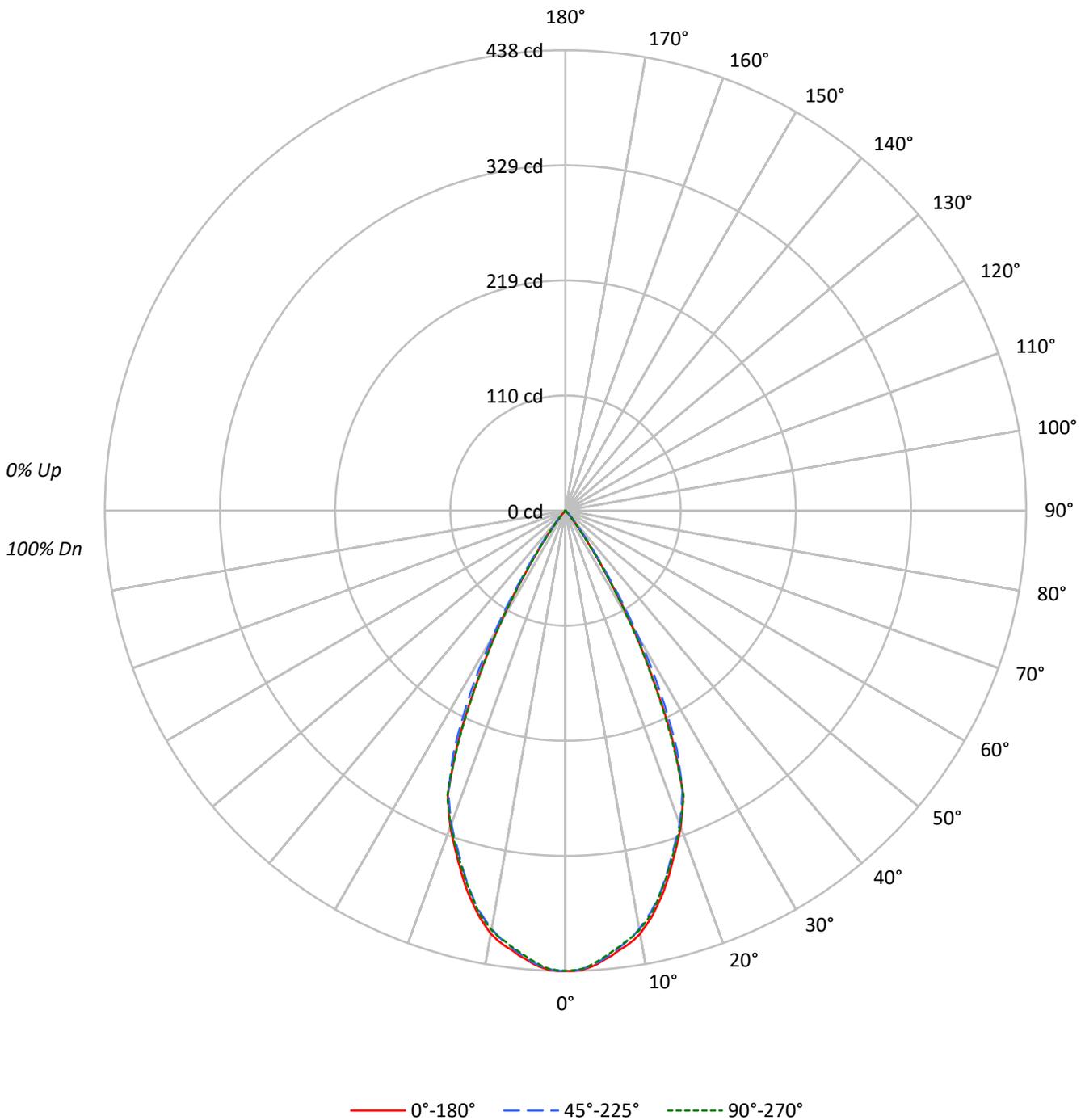
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 282.0 lumens
Efficiency: N/A
Efficacy: 97.2 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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	75416	75416	75416
5°	74097	73889	73682
10°	71473	70686	70826
15°	65738	64918	65097
20°	58703	58153	58483
25°	45682	47602	45188
30°	24759	27642	24301
35°	7800	9293	7632
40°	1731	2406	1641
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°	40.1	14.2
10°-20°	101.9	36.1
20°-30°	107.4	38.1
30°-40°	30.7	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°	249.4	88.5
0°-40°	280.1	99.3
0°-60°	282.0	100.0
0°-90°	282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	282.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	438	438	438	438	438	
5°	429	428	427	427	426	40
15°	369	366	364	365	365	103
25°	240	249	250	248	238	105
35°	37	40	44	38	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	437.9	437.9	437.9	437.9	437.9
1°	438.1	438.3	437.9	438.3	437.3
2°	437.5	437.1	436.7	436.9	436.3
3°	435.3	435.1	434.3	434.5	433.7
4°	432.5	431.9	431.3	430.9	430.1
5°	428.6	428.2	427.4	427.0	426.2
6°	425.4	424.6	423.2	422.8	422.0
7°	421.2	420.8	419.0	418.6	418.2
8°	418.0	416.7	414.5	414.7	413.7
9°	413.7	412.1	409.9	409.9	410.1
10°	408.7	406.3	404.2	404.8	405.0
11°	402.0	400.4	397.4	398.8	398.8
12°	394.8	392.7	390.5	391.7	392.5
13°	386.3	384.7	382.7	383.9	383.5
14°	378.0	375.0	373.6	375.2	374.6
15°	368.7	366.3	364.1	364.7	365.1
17.5°	343.9	341.3	339.7	339.9	341.7
20°	320.3	319.3	317.3	318.1	319.1
22.5°	292.5	292.9	290.5	291.1	293.5
25°	240.4	249.3	250.5	247.7	237.8
27.5°	178.1	191.4	195.5	189.0	176.9
30°	124.5	128.1	139.0	126.7	122.2
32.5°	73.0	78.5	84.3	75.8	72.8
35°	37.1	39.7	44.2	37.5	36.3
37.5°	17.1	18.4	20.2	17.1	16.1
40°	7.7	9.1	10.7	8.7	7.3
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)