

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: P1321033

Luminaire Tested: LDSQA3D02R50B2750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R50B2750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 4000K CCT AND, 80CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

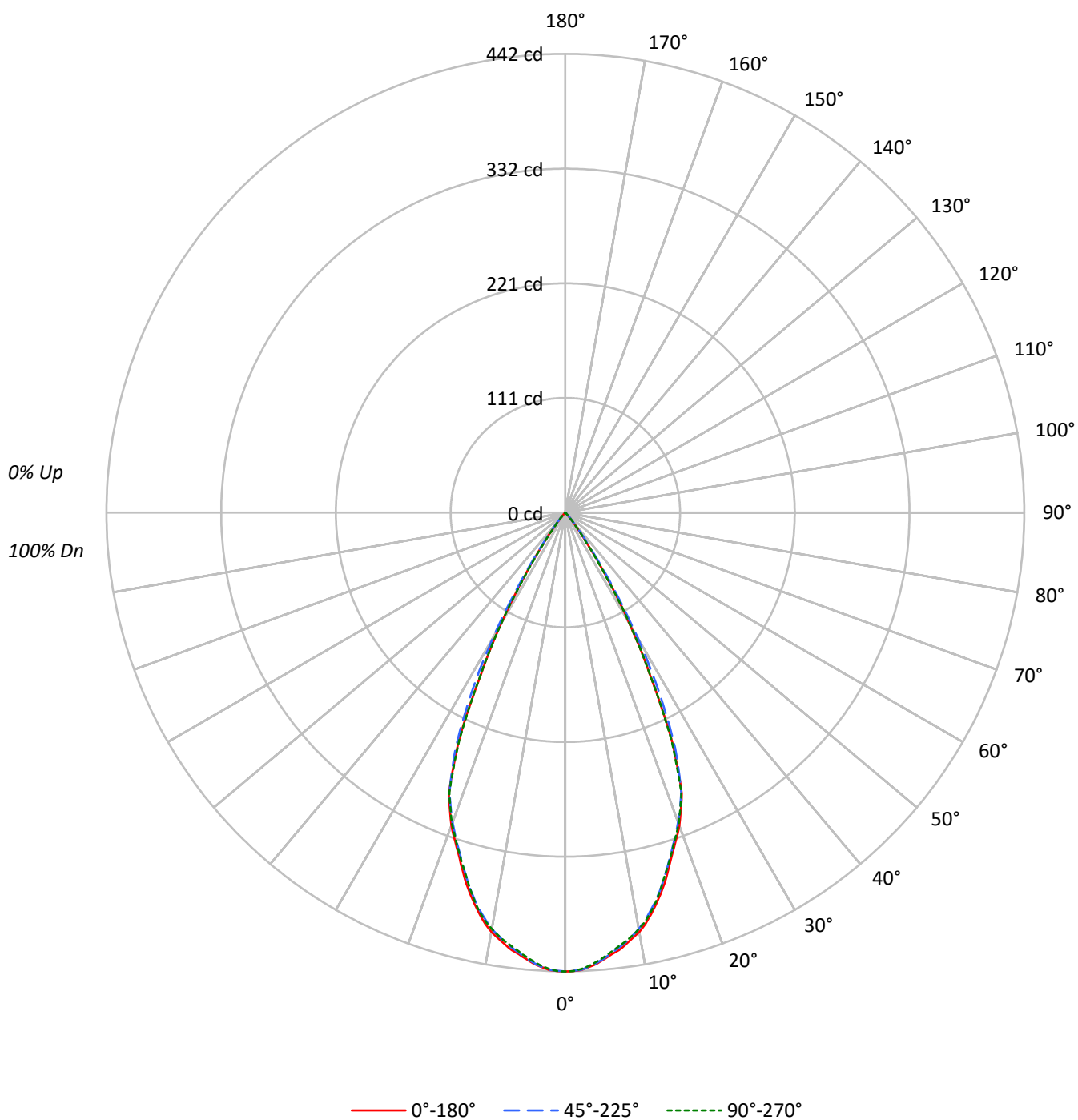
Lumens per Lamp: N/A
Luminaire Lumens: 285.0 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	76157	76157	76157
5°	74667	74529	74321
10°	71753	71246	71281
15°	65863	65257	65186
20°	58850	58208	58502
25°	46252	47602	45872
30°	24739	27722	24818
35°	8073	9440	7611
40°	2001	2496	1911
45°	244	877	244
50°	161	268	161
55°	180	180	180
60°	138	138	138
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.4	14.2
10°-20°	102.3	35.9
20°-30°	107.6	37.7
30°-40°	31.0	10.9
40°-50°	2.5	0.9
50°-60°	0.5	0.2
60°-70°	0.4	0.1
70°-80°	0.2	0.1
80°-90°	0.1	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°	250.3	87.8
0°-40°	281.3	98.7
0°-60°	284.3	99.8
0°-90°	285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	442	442	442	442	442	
5°	432	432	431	432	430	41
15°	369	367	366	366	366	103
25°	243	249	250	248	241	105
35°	38	40	45	38	36	30
45°	1	2	4	2	1	2
55°	1	1	1	1	1	1
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°	442.2	442.2	442.2	442.2	442.2
1°	442.0	442.4	441.6	443.1	441.8
2°	441.0	441.2	440.8	441.8	440.2
3°	438.6	439.0	438.2	439.0	437.6
4°	435.8	435.8	435.0	435.6	433.7
5°	431.9	431.7	431.1	431.5	429.9
6°	427.9	427.7	426.7	426.7	425.5
7°	424.8	423.4	422.6	422.4	421.2
8°	420.0	419.6	418.0	418.0	417.2
9°	415.1	414.7	412.9	413.3	412.7
10°	410.3	408.9	407.4	407.6	407.6
11°	403.8	402.6	400.6	401.4	401.8
12°	396.1	394.7	392.9	394.5	394.3
13°	387.6	386.4	385.0	386.2	385.8
14°	378.7	376.9	375.7	376.5	376.1
15°	369.4	367.0	366.0	366.0	365.6
17.5°	343.3	341.9	340.9	340.3	341.7
20°	321.1	319.8	317.6	318.2	319.2
22.5°	293.1	292.9	291.7	290.7	291.9
25°	243.4	249.4	250.5	247.6	241.4
27.5°	176.8	191.0	196.0	189.4	177.8
30°	124.4	131.1	139.4	126.2	124.8
32.5°	75.1	76.9	84.6	75.5	73.4
35°	38.4	39.9	44.9	38.4	36.2
37.5°	18.0	18.8	20.8	18.0	16.8
40°	8.9	9.9	11.1	9.3	8.5
42.5°	3.8	5.1	6.5	4.9	3.4
45°	1.0	2.0	3.6	2.0	1.0
47.5°	0.6	0.8	2.0	0.8	0.6
50°	0.6	0.6	1.0	0.6	0.6
52.5°	0.6	0.6	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.4	0.6	0.4	0.6	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.0	0.2	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)