

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: P1320988

Luminaire Tested: LDSQA3D02R45B2750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R45B2750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 80CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

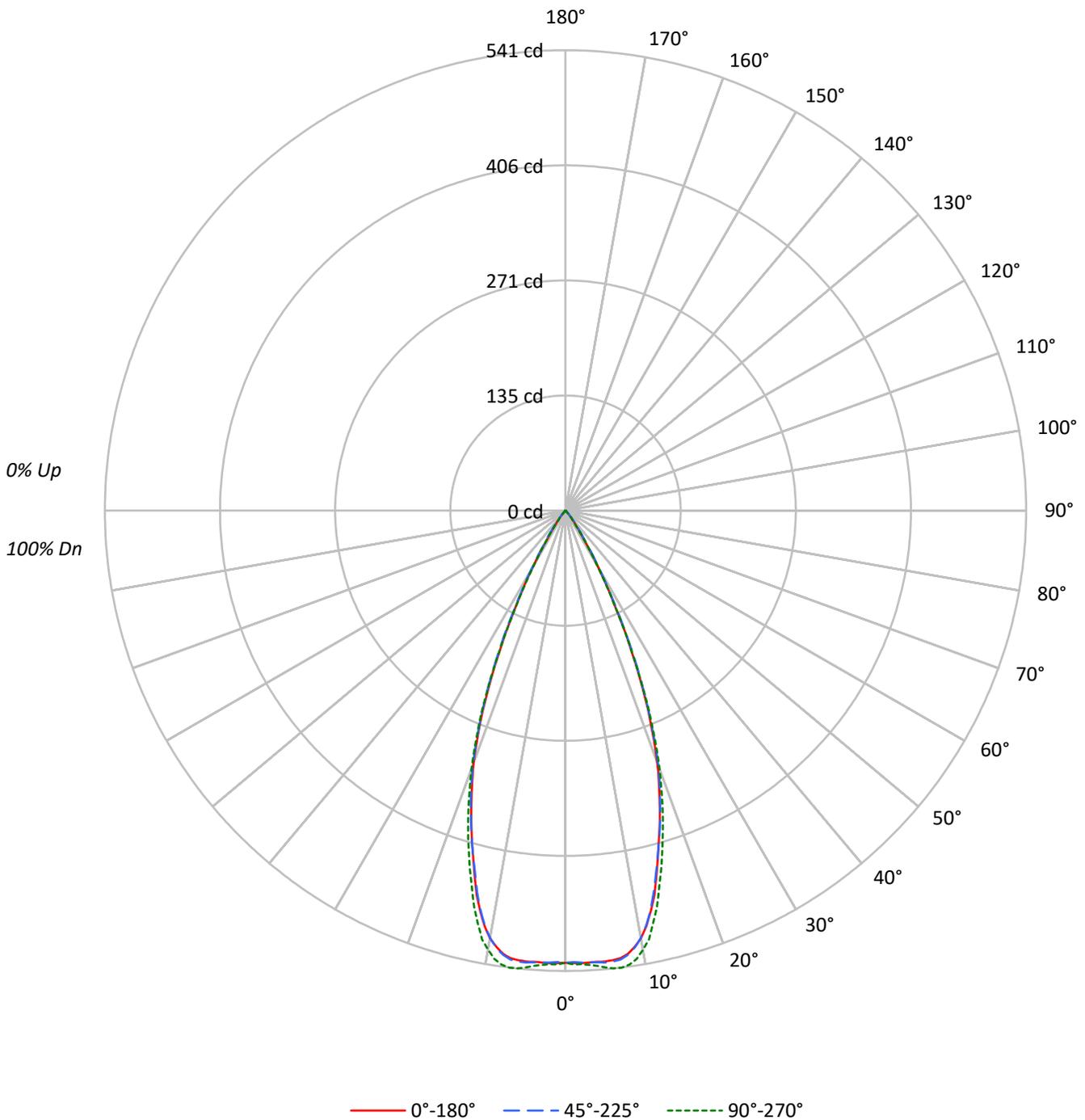
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 275.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	91502	91502	91502
5°	91955	92145	93183
10°	89241	89154	91637
15°	74778	74743	77488
20°	57805	58410	59216
25°	35440	36181	35516
30°	15193	15889	14716
35°	4773	5761	4646
40°	1641	2091	1596
45°	292	877	244
50°	161	322	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°	50.5	18.4
10°-20°	116.7	42.4
20°-30°	85.4	31.1
30°-40°	18.9	6.9
40°-50°	2.3	0.8
50°-60°	0.5	0.2
60°-70°	0.4	0.1
70°-80°	0.2	0.1
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°	252.6	91.9
0°-40°	271.5	98.7
0°-60°	274.3	99.8
0°-90°	275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	275.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	531	531	531	531	531	
5°	532	532	533	537	539	50
15°	419	417	419	429	435	116
25°	186	186	190	189	187	84
35°	23	24	27	24	22	18
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	531.3	531.3	531.3	531.3	531.3
1°	531.7	530.9	530.7	532.1	533.2
2°	532.1	531.1	531.3	532.8	533.4
3°	531.7	530.7	531.7	533.8	534.6
4°	531.5	531.1	532.1	535.0	536.4
5°	531.9	531.5	533.0	536.8	539.0
6°	531.3	530.7	532.8	537.6	540.9
7°	529.9	529.3	531.5	537.4	541.1
8°	526.1	524.9	527.1	534.4	538.8
9°	519.2	517.6	519.8	528.3	533.6
10°	510.3	508.4	509.8	518.2	524.0
11°	497.5	495.1	496.7	505.6	513.3
12°	481.3	477.8	479.8	490.0	495.5
13°	463.6	460.4	460.8	469.9	477.6
14°	441.7	437.5	439.3	448.8	454.9
15°	419.4	417.2	419.2	429.4	434.6
17.5°	368.3	368.1	370.0	377.5	380.3
20°	315.4	316.0	318.7	322.7	323.1
22.5°	252.8	253.0	255.8	258.7	258.1
25°	186.5	186.3	190.4	188.9	186.9
27.5°	123.7	124.5	128.1	125.5	123.5
30°	76.4	78.0	79.9	76.6	74.0
32.5°	41.4	44.0	46.6	43.8	41.2
35°	22.7	23.9	27.4	23.9	22.1
37.5°	13.2	13.8	16.0	13.8	12.6
40°	7.3	8.3	9.3	8.3	7.1
42.5°	3.0	4.7	5.7	4.7	3.0
45°	1.2	2.0	3.6	2.0	1.0
47.5°	0.6	0.8	2.2	0.8	0.6
50°	0.6	0.6	1.2	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	0.4	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	0.4	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	0.0	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)