

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: P1320984

Luminaire Tested: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 80CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

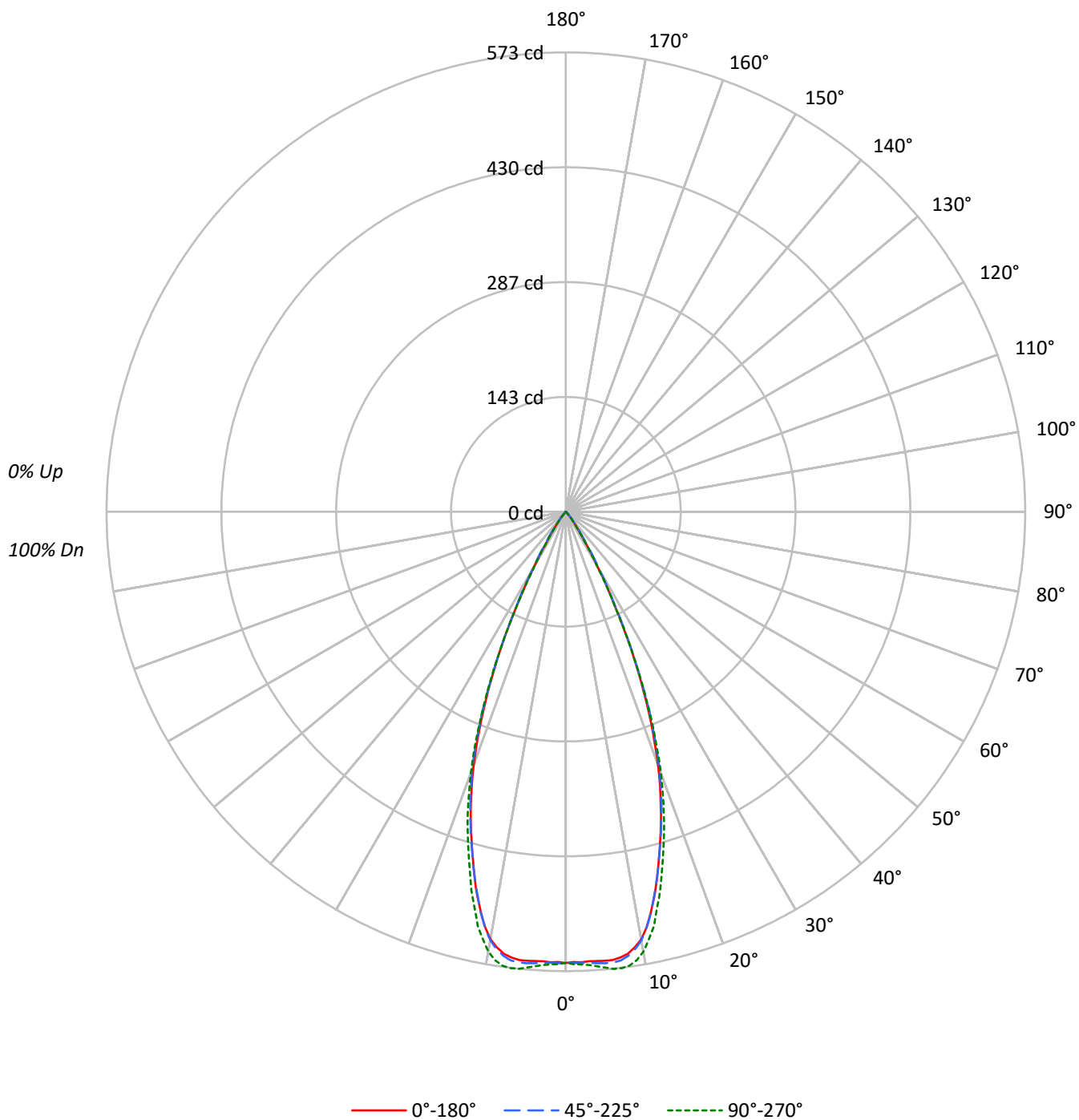
Lumens per Lamp: N/A
Luminaire Lumens: 291.0 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1320984

CATALOG NUMBER: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1320984

CATALOG NUMBER: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_5000K

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	96927	96927	96927
5°	97159	97712	98680
10°	94715	94907	97408
15°	79913	79949	82570
20°	61691	62552	63597
25°	38271	38309	38556
30°	15790	16784	15531
35°	4920	6013	4731
40°	1506	2091	1416
45°	97	779	97
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: 779 cd/sqm

TEST NUMBER: P1320984

CATALOG NUMBER: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	18.4
10°-20°	124.6	42.8
20°-30°	91.4	31.4
30°-40°	19.6	6.7
40°-50°	1.9	0.6
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°	269.5	92.6
0°-40°	289.1	99.4
0°-60°	291.0	100.0
0°-90°	291.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	291.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	563	563	563	563	563	
5°	562	564	565	569	571	53
15°	448	447	448	456	463	123
25°	201	201	202	202	203	90
35°	23	25	29	24	22	18
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	

TEST NUMBER: P1320984

CATALOG NUMBER: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	562.8	562.8	562.8	562.8	562.8
1°	561.8	563.1	563.1	563.9	564.4
2°	562.2	563.1	562.8	564.4	565.0
3°	561.5	563.1	563.5	565.2	566.3
4°	561.8	563.1	564.4	567.0	568.5
5°	562.0	563.5	565.2	569.1	570.8
6°	562.2	563.3	565.2	570.2	573.4
7°	560.0	561.5	563.7	570.0	573.4
8°	556.6	557.4	559.2	567.4	571.5
9°	550.1	549.9	552.5	561.5	566.3
10°	541.6	539.1	542.7	551.8	557.0
11°	528.0	525.2	528.5	538.2	543.2
12°	510.3	510.3	510.9	519.6	528.2
13°	491.5	489.3	490.6	500.3	506.4
14°	470.7	468.5	469.8	477.2	486.7
15°	448.2	447.3	448.4	455.6	463.1
17.5°	394.8	392.8	396.7	403.9	407.7
20°	336.6	339.8	341.3	345.9	347.0
22.5°	269.7	273.2	275.4	276.0	276.7
25°	201.4	200.7	201.6	201.6	202.9
27.5°	132.4	132.4	134.8	133.2	131.7
30°	79.4	82.6	84.4	81.5	78.1
32.5°	43.3	46.5	49.3	45.2	42.2
35°	23.4	25.1	28.6	24.4	22.5
37.5°	12.8	14.3	16.4	13.8	12.8
40°	6.7	8.2	9.3	8.2	6.3
42.5°	2.2	4.1	5.4	4.1	1.9
45°	0.4	1.3	3.2	1.3	0.4
47.5°	0.0	0.2	1.5	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



TEST NUMBER: P1320984

CATALOG NUMBER: LDSQA3D02R45B2750DE010 3LSQCDR1MMS_5000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)