

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: P1321068

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCDR1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R55B2750DE010 3LSQCDR1MB_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 80CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

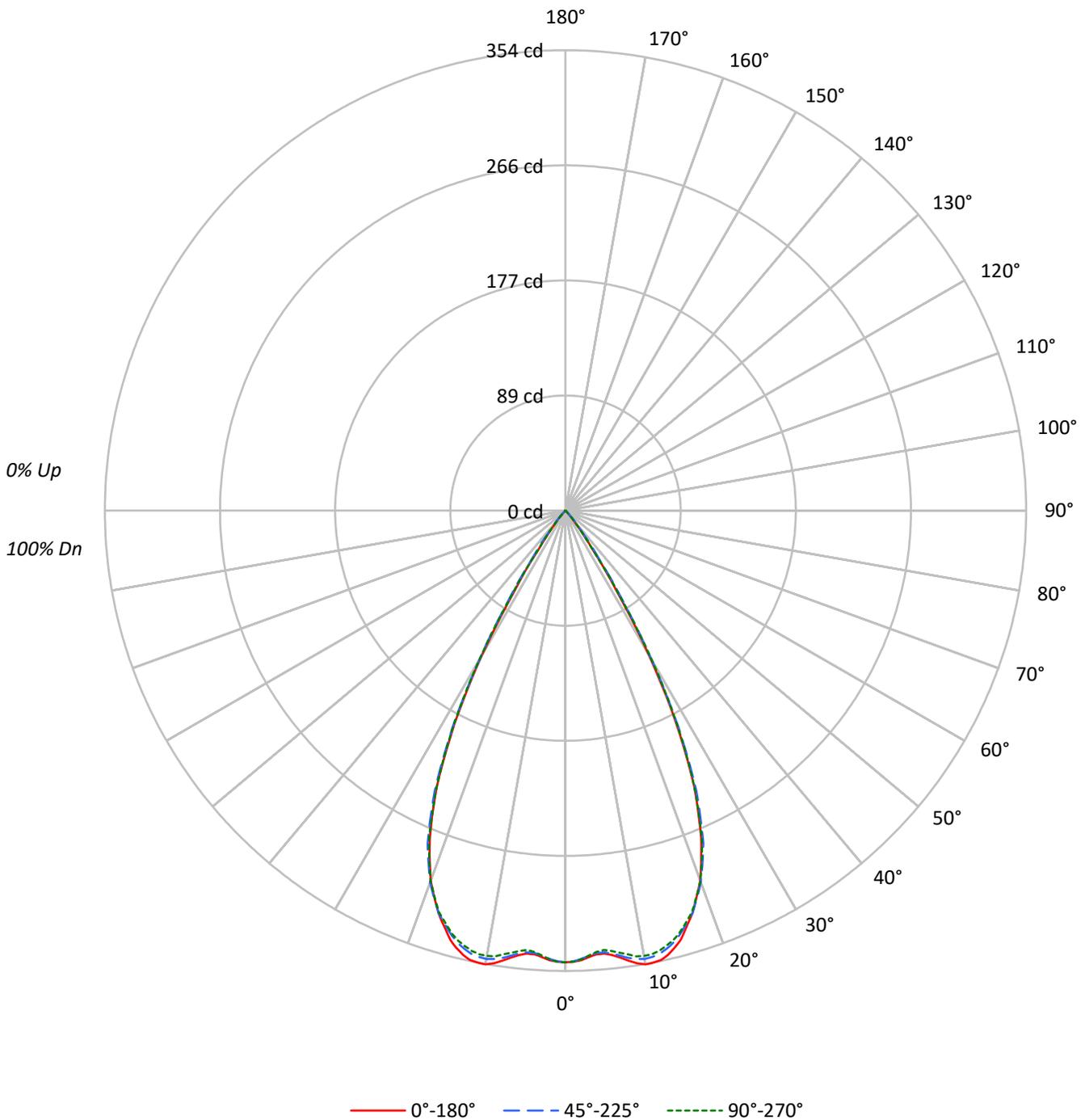
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 264.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
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: P1321068
CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCDR1MB_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P1321068

CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCDR1MB_4000K

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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	59813	59813	59813
5°	59125	58952	58624
10°	61960	61225	60806
15°	60942	60283	60069
20°	55514	55734	55551
25°	44523	45226	44523
30°	25554	26210	26409
35°	7296	8788	7506
40°	1866	2698	1911
45°	195	950	146
50°	0	161	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: 950 cd/sqm



TEST NUMBER: P1321068

CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCDR1MB_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	12.5
10°-20°	94.1	35.6
20°-30°	103.6	39.3
30°-40°	30.9	11.7
40°-50°	2.4	0.9
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°	230.7	87.4
0°-40°	261.6	99.1
0°-60°	264.0	100.0
0°-90°	264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	347	347	347	347	347	
5°	342	341	341	340	339	33
15°	342	339	338	337	337	95
25°	234	234	238	238	234	103
35°	35	37	42	38	36	29
45°	1	2	4	2	1	2
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



TEST NUMBER: P1321068

CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCDR1MB_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	347.3	347.3	347.3	347.3	347.3
1°	347.0	347.0	346.6	346.4	347.0
2°	346.0	346.0	345.0	344.8	345.4
3°	343.8	343.6	342.8	342.2	342.6
4°	342.0	341.6	341.0	340.0	340.2
5°	342.0	341.4	341.0	339.5	339.1
6°	343.6	343.2	342.4	341.0	340.6
7°	346.4	345.6	344.8	343.0	342.6
8°	349.5	348.9	347.3	345.4	344.6
9°	352.5	351.1	349.1	347.3	347.0
10°	354.3	352.3	350.1	347.9	347.7
11°	354.1	352.3	349.7	347.7	347.5
12°	353.3	350.7	348.5	346.0	346.2
13°	350.5	348.1	345.8	344.0	343.6
14°	346.6	344.4	342.4	340.6	340.8
15°	341.8	339.3	338.1	336.7	336.9
17.5°	324.5	323.9	324.5	322.9	323.5
20°	302.9	302.2	304.1	303.3	303.1
22.5°	272.7	273.5	276.9	275.9	274.1
25°	234.3	234.3	238.0	237.6	234.3
27.5°	184.5	185.9	188.1	189.1	186.7
30°	128.5	131.8	131.8	133.8	132.8
32.5°	71.8	78.7	80.3	81.3	77.2
35°	34.7	36.9	41.8	38.1	35.7
37.5°	16.6	17.6	22.5	18.2	17.0
40°	8.3	9.5	12.0	9.9	8.5
42.5°	3.4	5.1	6.3	5.1	3.4
45°	0.8	2.0	3.9	2.0	0.6
47.5°	0.0	0.2	1.8	0.4	0.0
50°	0.0	0.0	0.6	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: P1321068
CATALOG NUMBER: LDSQA3D02R55B2750DE010 3LSQCDR1MB_4000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)