

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: P1321069

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCDR1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321069
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 80CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

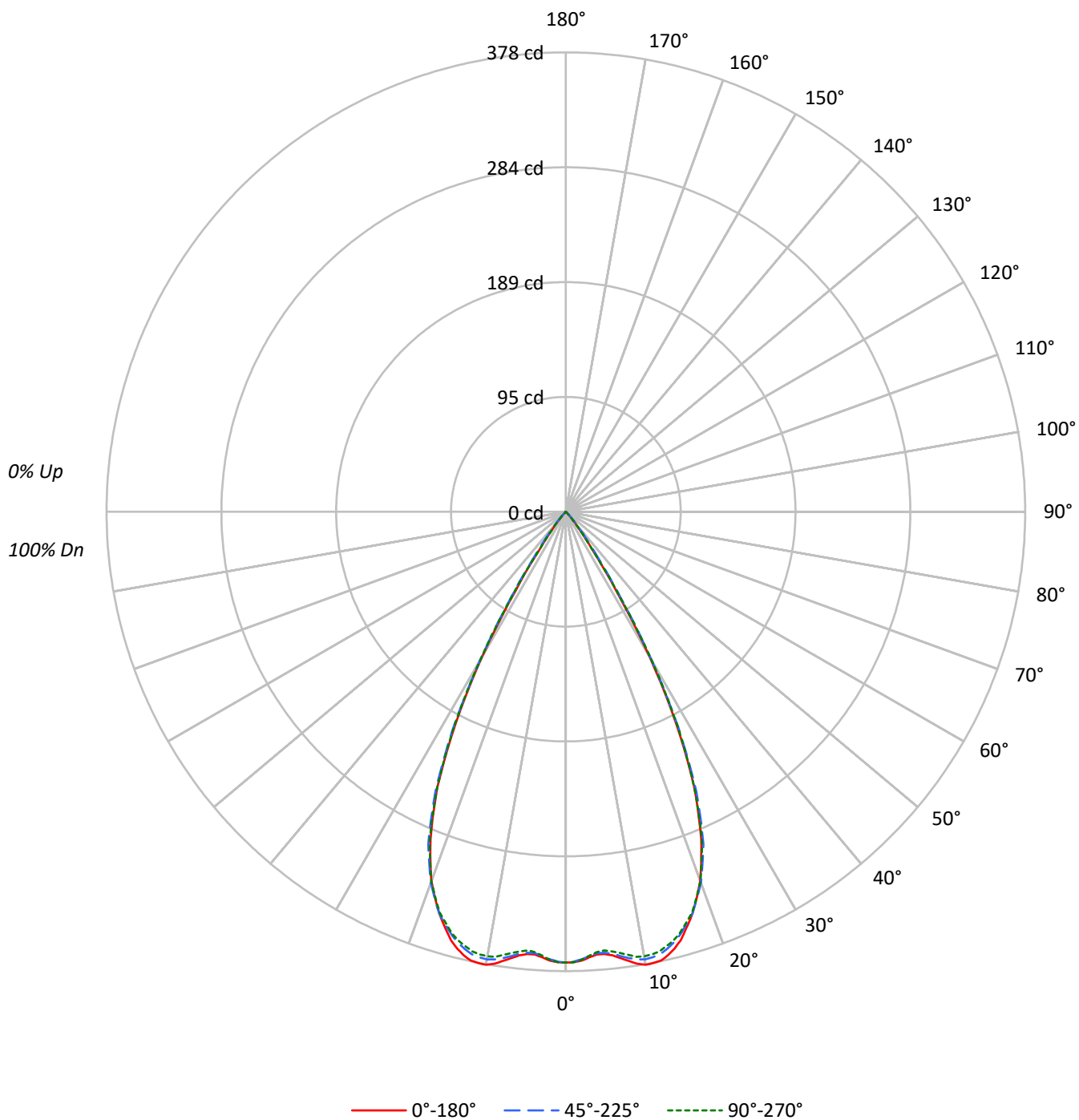
Lumens per Lamp: N/A
Luminaire Lumens: 282.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	63877	63877	63877
5°	63153	62963	62635
10°	66192	65405	64950
15°	65097	64401	64169
20°	59290	59528	59326
25°	47564	48305	47564
30°	27304	27980	28199
35°	7779	9377	8010
40°	2001	2878	2046
45°	219	999	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: 999 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	12.5
10°-20°	100.5	35.6
20°-30°	110.7	39.3
30°-40°	33.0	11.7
40°-50°	2.5	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°	246.4	87.4
0°-40°	279.4	99.1
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°	371	371	371	371	371	
5°	365	365	364	363	362	35
15°	365	362	361	360	360	101
25°	250	250	254	254	250	110
35°	37	39	45	41	38	31
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	370.9	370.9	370.9	370.9	370.9
1°	370.7	370.7	370.3	370.1	370.7
2°	369.6	369.6	368.5	368.3	369.0
3°	367.2	367.0	366.2	365.5	365.9
4°	365.3	364.9	364.2	363.1	363.3
5°	365.3	364.6	364.2	362.7	362.3
6°	367.0	366.6	365.7	364.2	363.8
7°	370.1	369.2	368.3	366.4	365.9
8°	373.3	372.7	370.9	369.0	368.1
9°	376.6	375.0	372.9	370.9	370.7
10°	378.5	376.3	374.0	371.6	371.4
11°	378.3	376.3	373.5	371.4	371.1
12°	377.4	374.6	372.2	369.6	369.8
13°	374.4	371.8	369.4	367.5	367.0
14°	370.3	367.9	365.7	363.8	364.0
15°	365.1	362.5	361.2	359.7	359.9
17.5°	346.7	346.0	346.7	344.9	345.6
20°	323.5	322.9	324.8	323.9	323.7
22.5°	291.2	292.1	295.8	294.7	292.8
25°	250.3	250.3	254.2	253.8	250.3
27.5°	197.0	198.6	200.9	202.0	199.4
30°	137.3	140.7	140.7	142.9	141.8
32.5°	76.7	84.0	85.7	86.8	82.5
35°	37.0	39.4	44.6	40.7	38.1
37.5°	17.8	18.8	24.0	19.5	18.2
40°	8.9	10.2	12.8	10.6	9.1
42.5°	3.7	5.4	6.7	5.4	3.7
45°	0.9	2.2	4.1	2.2	0.6
47.5°	0.0	0.2	1.9	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



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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)