

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: P1320976

Luminaire Tested: LDSQA3D02R45B2750DE010 3LSQCDR1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320976
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 3LSQCDR1MB_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

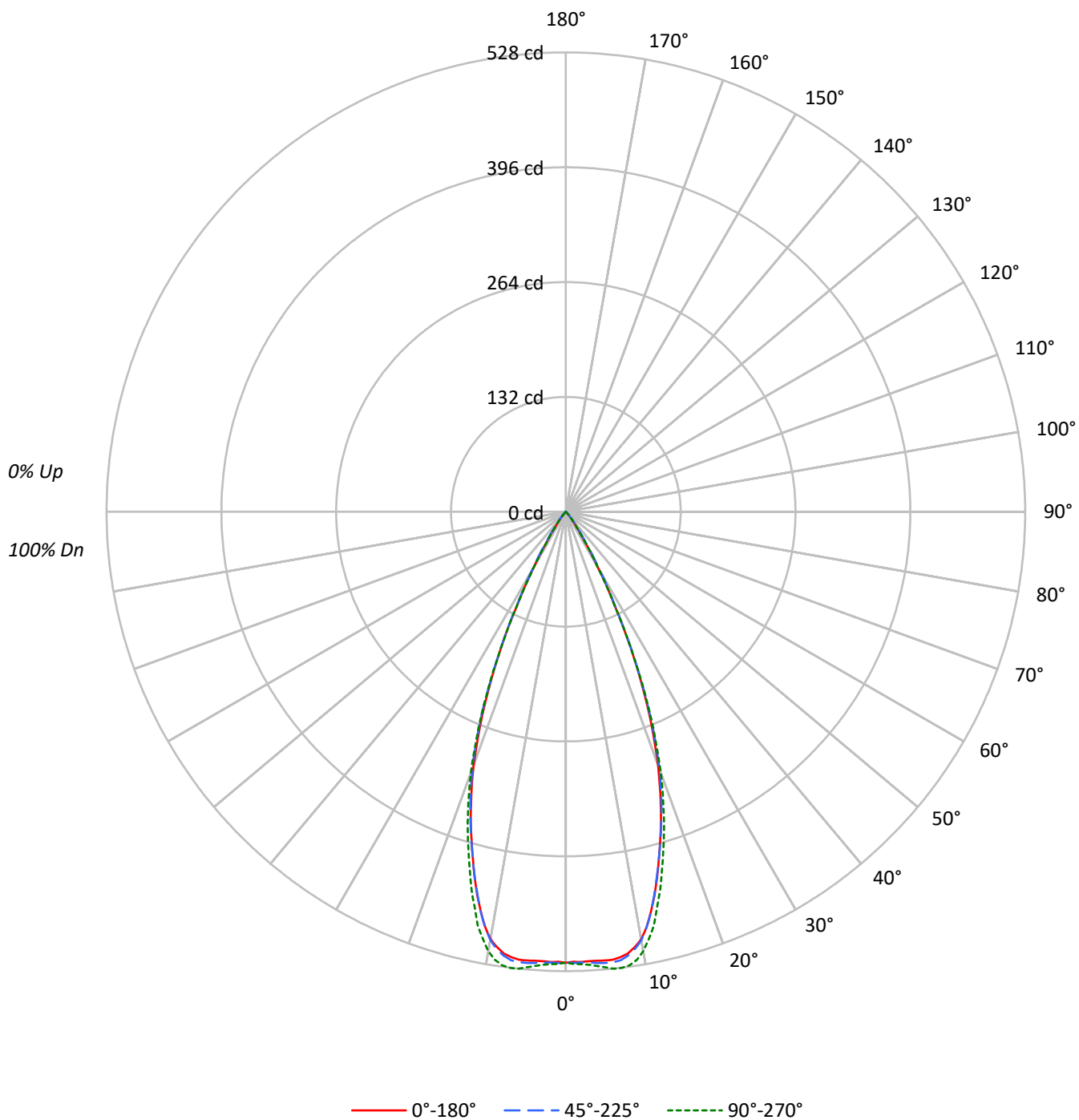
Lumens per Lamp: N/A
Luminaire Lumens: 268.0 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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
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°	89280	89280	89280
5°	89483	90002	90883
10°	87230	87405	89713
15°	73601	73637	76044
20°	56815	57622	58557
25°	35250	35288	35516
30°	14537	15452	14298
35°	4520	5529	4352
40°	1394	1933	1304
45°	97	731	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: 731 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	18.4
10°-20°	114.7	42.8
20°-30°	84.1	31.4
30°-40°	18.1	6.7
40°-50°	1.7	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°	248.2	92.6
0°-40°	266.3	99.4
0°-60°	268.0	100.0
0°-90°	268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	268.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	518	518	518	518	518	
5°	518	519	521	524	526	49
15°	413	412	413	420	426	114
25°	186	185	186	186	187	83
35°	22	23	26	22	21	17
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	518.4	518.4	518.4	518.4	518.4
1°	517.4	518.6	518.6	519.4	519.8
2°	517.8	518.6	518.4	519.8	520.4
3°	517.2	518.6	519.0	520.6	521.5
4°	517.4	518.6	519.8	522.1	523.5
5°	517.6	519.0	520.6	524.1	525.7
6°	517.8	518.8	520.6	525.1	528.1
7°	515.8	517.2	519.2	524.9	528.1
8°	512.6	513.4	515.0	522.5	526.3
9°	506.6	506.4	508.8	517.2	521.5
10°	498.8	496.4	499.8	508.2	513.0
11°	486.3	483.7	486.7	495.6	500.2
12°	469.9	469.9	470.5	478.5	486.5
13°	452.6	450.6	451.8	460.8	466.4
14°	433.5	431.5	432.7	439.5	448.2
15°	412.8	412.0	413.0	419.5	426.5
17.5°	363.6	361.8	365.4	371.9	375.5
20°	310.0	313.0	314.4	318.5	319.5
22.5°	248.4	251.6	253.6	254.2	254.8
25°	185.5	184.9	185.7	185.7	186.9
27.5°	121.9	121.9	124.1	122.7	121.3
30°	73.1	76.1	77.7	75.1	71.9
32.5°	39.8	42.8	45.4	41.6	38.8
35°	21.5	23.1	26.3	22.5	20.7
37.5°	11.8	13.1	15.1	12.7	11.8
40°	6.2	7.6	8.6	7.6	5.8
42.5°	2.0	3.8	5.0	3.8	1.8
45°	0.4	1.2	3.0	1.2	0.4
47.5°	0.0	0.2	1.4	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



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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)