

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: P1320945

Luminaire Tested: LDSQA3D02R45B2750DE010 3LSQCA30R 1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R45B2750DE010 3LSQCA30R 1MB_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

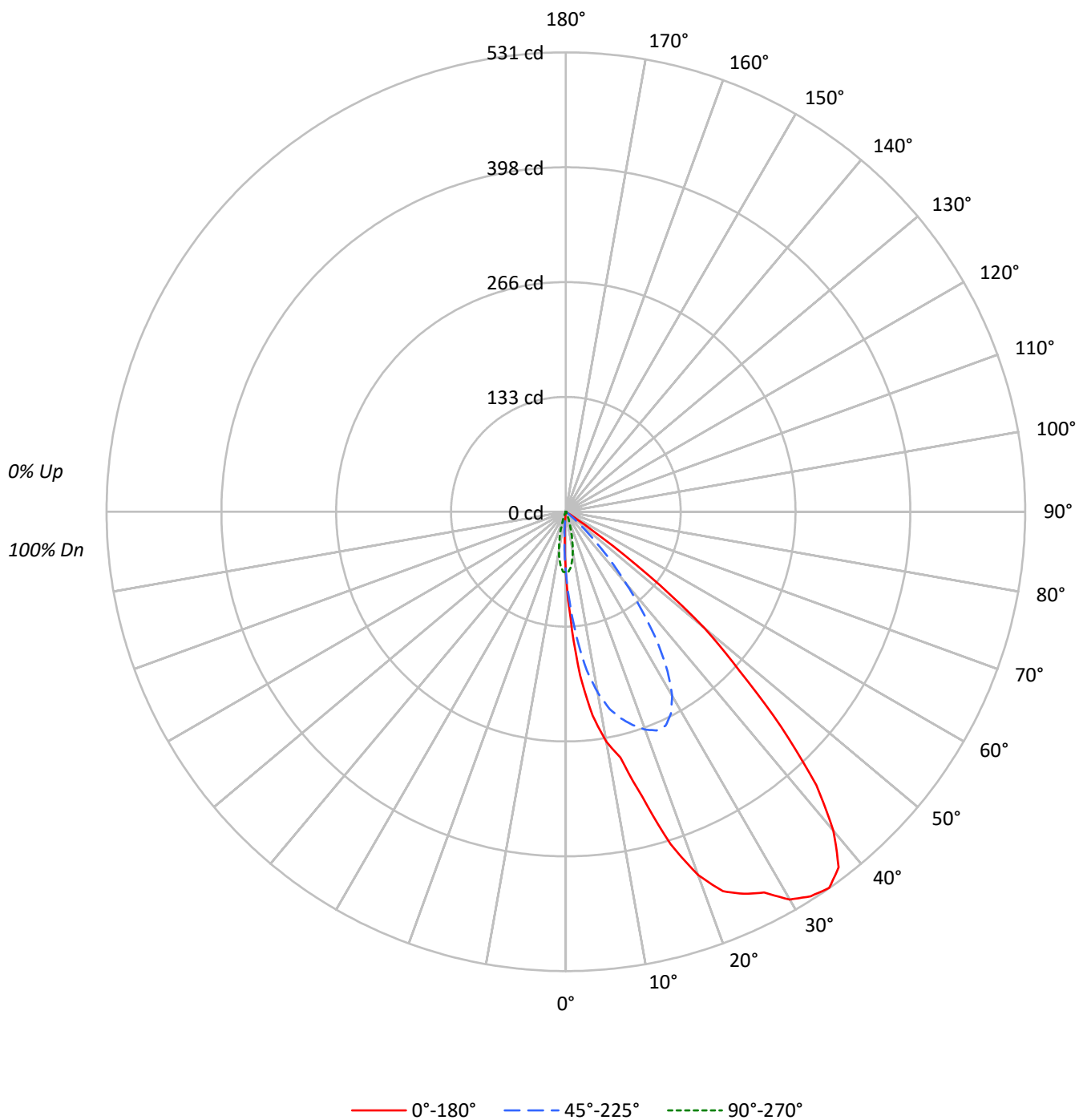
Lumens per Lamp: N/A
Luminaire Lumens: 225.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12038	12038	12038	12038	12038
5°	32847	25275	11134	2230	830
10°	47182	37092	8044	210	175
15°	60746	44111	4279	71	0
20°	81869	49081	1631	0	0
25°	92600	51858	418	0	0
30°	102933	48881	40	0	0
35°	111598	38979	0	0	0
40°	108161	24483	0	0	0
45°	85733	11667	0	0	0
50°	56105	1474	0	0	0
55°	9638	0	0	0	0
60°	0	0	69	0	0
65°	0	82	82	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	198	0
85°	0	395	790	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 85733 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	3.7
10°-20°	32.1	14.2
20°-30°	60.0	26.7
30°-40°	70.0	31.1
40°-50°	45.7	20.3
50°-60°	8.5	3.8
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	0.1
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°	100.4	44.6
0°-40°	170.4	75.7
0°-60°	224.6	99.8
0°-90°	225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	225.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	70	70	70	70	70	
5°	190	146	64	13	5	20
15°	341	247	24	0	0	102
25°	487	273	2	0	0	225
35°	531	185	0	0	0	326
45°	352	48	0	0	0	268
55°	32	0	0	0	0	56
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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
2.5°	123.2	124.2	122.2	121.4	118.8	119.4	114.9	113.1	110.3	105.6	103.4
5°	190.0	188.2	186.6	183.2	181.2	175.7	169.6	162.8	154.5	146.2	136.7
7.5°	237.7	236.3	235.7	232.9	228.8	223.2	215.3	206.6	195.9	184.8	170.5
10°	269.8	268.4	266.0	263.2	259.9	255.3	247.6	238.1	226.4	212.1	195.3
12.5°	290.8	290.6	286.6	283.4	279.3	275.3	267.4	259.7	248.2	233.5	214.5
15°	340.7	337.5	332.2	323.1	311.8	301.3	288.6	276.5	264.0	247.4	226.2
17.5°	402.9	399.3	390.4	378.9	360.7	340.7	318.9	299.7	280.9	258.5	233.5
20°	446.7	445.3	437.9	424.5	405.1	378.7	350.0	322.9	296.5	267.8	236.9
22.5°	474.8	474.0	471.0	461.9	442.1	412.4	375.4	339.1	307.2	273.7	235.9
25°	487.3	488.3	488.7	484.3	468.4	438.1	394.2	351.4	313.2	272.9	228.2
27.5°	496.2	496.2	497.8	495.8	479.7	447.8	401.5	355.7	311.2	263.0	212.1
30°	517.6	517.2	518.2	512.8	490.4	450.8	398.3	348.8	299.7	245.8	188.8
32.5°	526.9	527.3	527.1	518.4	492.4	448.8	390.4	335.7	278.5	218.9	158.1
35°	530.8	528.9	521.5	501.7	468.8	421.9	368.2	313.4	248.8	185.4	124.8
37.5°	518.0	512.8	496.2	469.2	429.0	383.9	331.4	273.7	209.4	145.4	93.9
40°	481.1	474.2	453.4	420.7	383.9	343.3	288.0	227.0	163.8	108.9	65.8
42.5°	428.8	420.9	398.5	370.0	336.5	293.9	238.7	177.7	120.0	75.1	41.8
45°	352.0	347.6	334.7	310.6	277.7	233.5	183.0	129.7	83.0	47.9	21.4
47.5°	272.2	266.6	257.3	240.7	213.3	171.3	128.0	88.1	53.3	23.6	4.4
50°	209.4	202.8	191.5	173.1	144.4	114.3	83.0	54.9	27.1	5.5	0.2
52.5°	120.6	122.0	116.5	104.8	88.9	68.5	48.1	27.7	6.1	0.2	0.0
55°	32.1	34.7	33.9	36.6	32.1	27.1	20.0	5.3	0.4	0.0	0.0
57.5°	0.0	0.0	0.2	0.4	1.2	1.8	0.6	0.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
2.5°	98.4	94.1	88.9	69.5	52.3	37.6	29.3	27.1
5°	127.6	117.3	104.0	64.4	32.3	12.9	5.9	4.8
7.5°	155.3	140.2	116.1	56.3	16.4	3.2	1.6	1.4
10°	176.7	156.3	125.0	46.0	6.1	1.2	1.0	1.0
12.5°	191.5	166.6	128.2	34.9	2.2	0.6	0.6	0.4
15°	199.9	170.7	125.2	24.0	0.8	0.4	0.0	0.0
17.5°	202.6	169.0	117.1	15.1	0.2	0.0	0.0	0.0
20°	200.3	161.2	104.4	8.9	0.0	0.0	0.0	0.0
22.5°	193.1	148.8	89.1	4.8	0.0	0.0	0.0	0.0
25°	179.5	131.5	71.1	2.2	0.0	0.0	0.0	0.0
27.5°	157.5	109.1	53.5	0.8	0.0	0.0	0.0	0.0
30°	132.5	85.0	38.0	0.2	0.0	0.0	0.0	0.0
32.5°	103.4	62.6	24.4	0.0	0.0	0.0	0.0	0.0
35°	77.8	43.8	14.5	0.0	0.0	0.0	0.0	0.0
37.5°	54.1	27.7	7.7	0.0	0.0	0.0	0.0	0.0
40°	33.7	14.9	2.6	0.0	0.0	0.0	0.0	0.0
42.5°	18.8	5.3	0.2	0.0	0.0	0.0	0.0	0.0
45°	4.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.2	0.4	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0
77.5°	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.0
80°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
82.5°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
85°	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.0
87.5°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)