

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: P1321095

Luminaire Tested: LDSQA3D02R60B2750DE010 3LSQCA45R 1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-81)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R60B2750DE010 3LSQCA45R 1MB_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCA45R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

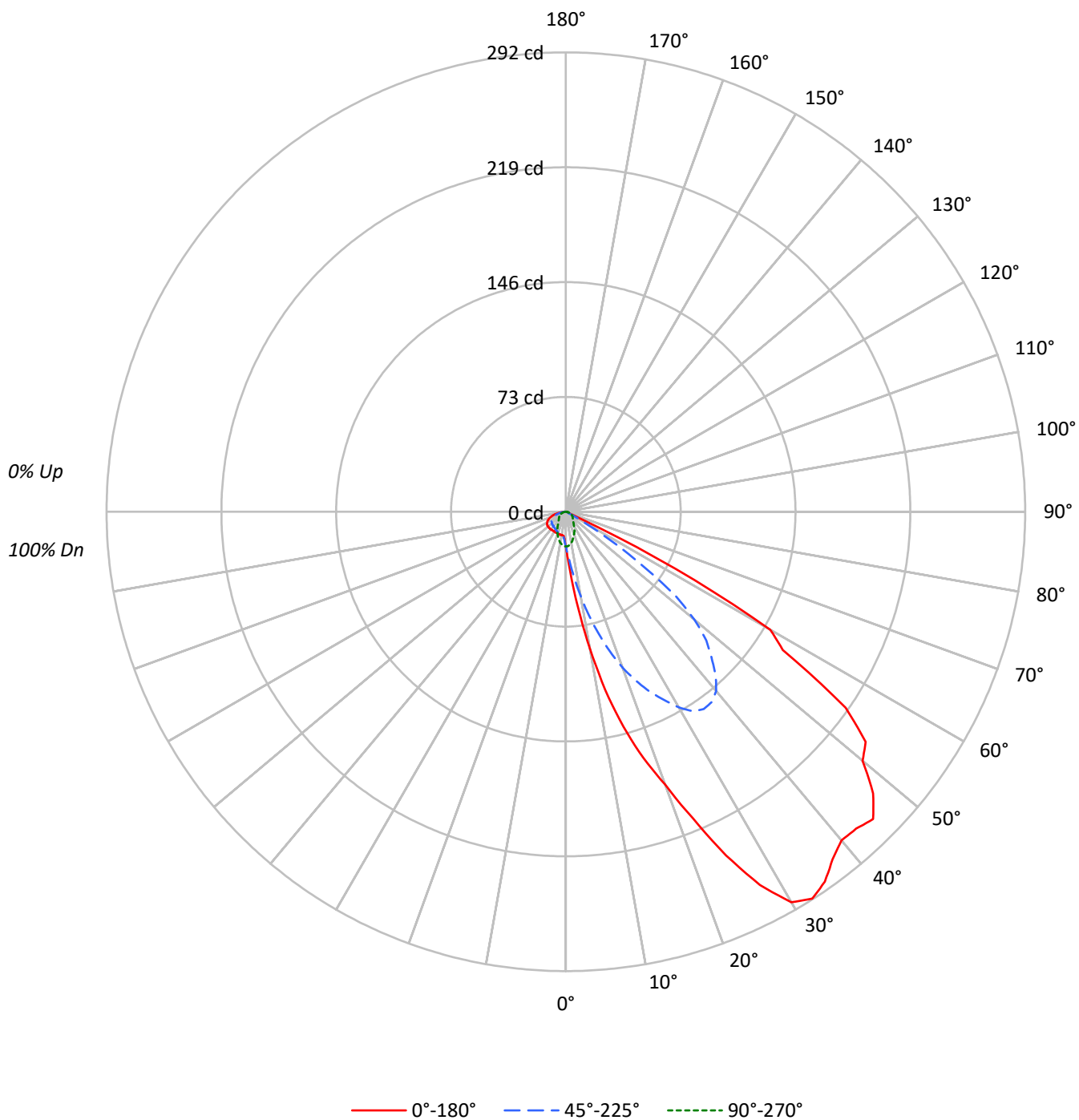
Lumens per Lamp: N/A
Luminaire Lumens: 222.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 3.38 / 0.84 / 2.07
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87		
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74		
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62		
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39		
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33		
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29		
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25		
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3789	3789	3789	3789	3789
5°	7468	5826	3734	2818	2680
10°	15424	9496	3498	2571	2606
15°	25229	14246	3138	2585	2657
20°	33833	19299	2804	2584	2694
25°	45796	23962	2451	2565	2793
30°	56995	28537	2048	2565	2923
35°	60340	32167	1745	2628	3049
40°	61286	33431	1596	2720	3305
45°	67296	31858	1534	2898	3580
50°	65965	28561	1527	3081	3939
55°	65187	17505	1501	3333	4354
60°	51701	4168	1584	3548	4719
65°	3301	734	1549	3627	5094
70°	705	806	1511	3777	5388
75°	665	799	1331	3593	5523
80°	595	793	1389	3570	5157
85°	395	790	1581	3162	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 52.5°

Luminance: 71010 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	1.2
10°-20°	13.8	6.2
20°-30°	32.1	14.5
30°-40°	49.9	22.5
40°-50°	56.9	25.6
50°-60°	47.9	21.6
60°-70°	13.9	6.3
70°-80°	3.6	1.6
80°-90°	1.2	0.5
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°	48.7	21.9
0°-40°	98.6	44.4
0°-60°	203.3	91.6
0°-90°	222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	222.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	43	34	22	16	16	6
15°	142	80	18	14	15	41
25°	241	126	13	14	15	112
35°	287	153	8	12	14	178
45°	276	131	6	12	15	208
55°	217	58	5	11	14	183
65°	8	2	4	9	12	40
75°	1	1	2	5	8	1
85°	0	0	1	2	3	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
2.5°	29.7	29.5	29.5	29.3	29.1	28.9	28.3	28.1	26.8	24.4	22.0
5°	43.2	43.0	42.4	42.2	41.2	39.8	38.3	36.9	33.7	26.8	21.6
7.5°	62.6	63.0	62.6	60.3	58.9	56.7	52.5	49.4	43.0	29.3	20.8
10°	88.2	88.2	87.6	84.2	81.1	76.9	71.4	66.2	54.3	31.5	20.0
12.5°	116.0	116.6	113.6	110.8	105.3	100.1	92.6	84.8	67.2	33.3	19.0
15°	141.5	141.1	138.0	134.4	128.7	121.5	113.6	103.5	79.9	34.5	17.6
17.5°	164.1	163.3	160.6	156.6	149.7	141.7	131.6	120.7	93.0	35.5	16.5
20°	184.6	181.8	178.8	174.6	167.9	159.4	148.9	136.6	105.3	35.5	15.3
22.5°	210.7	207.9	203.6	197.2	188.3	177.8	165.5	151.6	116.2	34.7	14.1
25°	241.0	238.7	231.5	223.2	211.7	199.2	184.8	166.1	126.1	33.5	12.9
27.5°	267.4	265.0	257.7	245.6	231.7	216.7	201.6	182.4	134.8	31.3	11.5
30°	286.6	283.5	277.9	266.4	249.4	231.3	213.3	194.9	143.5	28.7	10.3
32.5°	291.6	291.2	287.0	278.5	263.4	243.4	222.0	202.0	150.3	25.2	9.3
35°	287.0	287.6	286.8	282.5	271.4	251.8	227.6	205.8	153.0	21.8	8.3
37.5°	278.5	279.3	280.7	281.3	274.2	256.9	230.9	207.5	152.4	18.4	7.7
40°	272.6	272.2	272.2	276.3	274.9	259.1	231.3	206.2	148.7	14.7	7.1
42.5°	273.2	268.8	265.8	272.2	274.2	258.1	228.6	203.0	140.9	11.3	6.5
45°	276.3	266.8	261.5	269.8	273.0	254.7	223.8	198.2	130.8	7.9	6.3
47.5°	265.0	258.7	257.9	269.6	270.8	248.8	216.3	190.5	121.1	5.4	5.9
50°	246.2	245.2	249.4	261.5	261.7	239.1	207.9	176.6	106.6	3.8	5.7
52.5°	240.3	241.0	244.8	251.0	245.2	222.8	192.5	164.9	88.2	3.0	5.4
55°	217.1	218.1	221.8	225.6	221.4	202.8	174.0	150.7	58.3	2.8	5.0
57.5°	163.5	166.1	172.7	176.2	176.6	165.3	157.6	130.0	32.9	2.8	4.8
60°	150.1	146.7	143.7	136.6	130.2	128.7	129.6	97.5	12.1	2.6	4.6
62.5°	78.5	76.9	81.5	84.6	85.4	89.8	83.9	51.5	2.6	2.6	4.2
65°	8.1	8.1	9.9	13.1	21.8	29.1	27.6	14.9	1.8	2.4	3.8
67.5°	2.4	2.4	2.4	2.8	3.6	3.6	3.0	2.2	1.8	2.2	3.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.4	1.6	2.0	3.0
72.5°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.8	2.6
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.4	2.0
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.2	1.6
80°	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	1.0	1.4
82.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.8	1.0
85°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.8
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.6
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):

	112.5°	135°	157.5°	180°
0°	22.0	22.0	22.0	22.0
2.5°	20.0	18.6	17.8	17.4
5°	18.2	16.3	15.7	15.5
7.5°	16.5	15.3	15.1	15.1
10°	15.5	14.7	14.9	14.9
12.5°	14.9	14.7	14.9	15.1
15°	14.3	14.5	14.9	14.9
17.5°	13.9	14.3	14.7	14.9
20°	13.3	14.1	14.7	14.7
22.5°	12.9	13.9	14.5	14.7
25°	12.5	13.5	14.3	14.7
27.5°	11.9	13.3	14.3	14.5
30°	11.3	12.9	14.1	14.7
32.5°	10.7	12.7	14.1	14.5
35°	10.3	12.5	14.1	14.5
37.5°	9.9	12.3	14.1	14.7
40°	9.7	12.1	13.9	14.7
42.5°	9.3	12.1	13.9	14.7
45°	9.1	11.9	13.9	14.7
47.5°	8.9	11.7	13.9	14.7
50°	8.5	11.5	13.7	14.7
52.5°	8.3	11.3	13.7	14.7
55°	7.9	11.1	13.5	14.5
57.5°	7.7	10.7	13.3	14.1
60°	7.3	10.3	12.9	13.7
62.5°	6.7	9.7	12.3	13.3
65°	6.1	8.9	11.7	12.5
67.5°	5.4	8.3	10.9	11.7
70°	4.8	7.5	9.9	10.7
72.5°	4.2	6.5	8.9	9.5
75°	3.6	5.4	7.5	8.3
77.5°	2.8	4.4	6.3	6.9
80°	2.2	3.6	4.8	5.2
82.5°	1.8	2.6	3.6	3.8
85°	1.2	1.6	2.2	2.6
87.5°	0.6	0.8	1.0	1.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)