

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: P1321102

Luminaire Tested: LDSQA3D02R60B2750DE010 3LSQCA45R 1MMS_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321102
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 1MMS_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R60 optic, 3500K CCT AND, 80CRI , 3LSQCA45R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

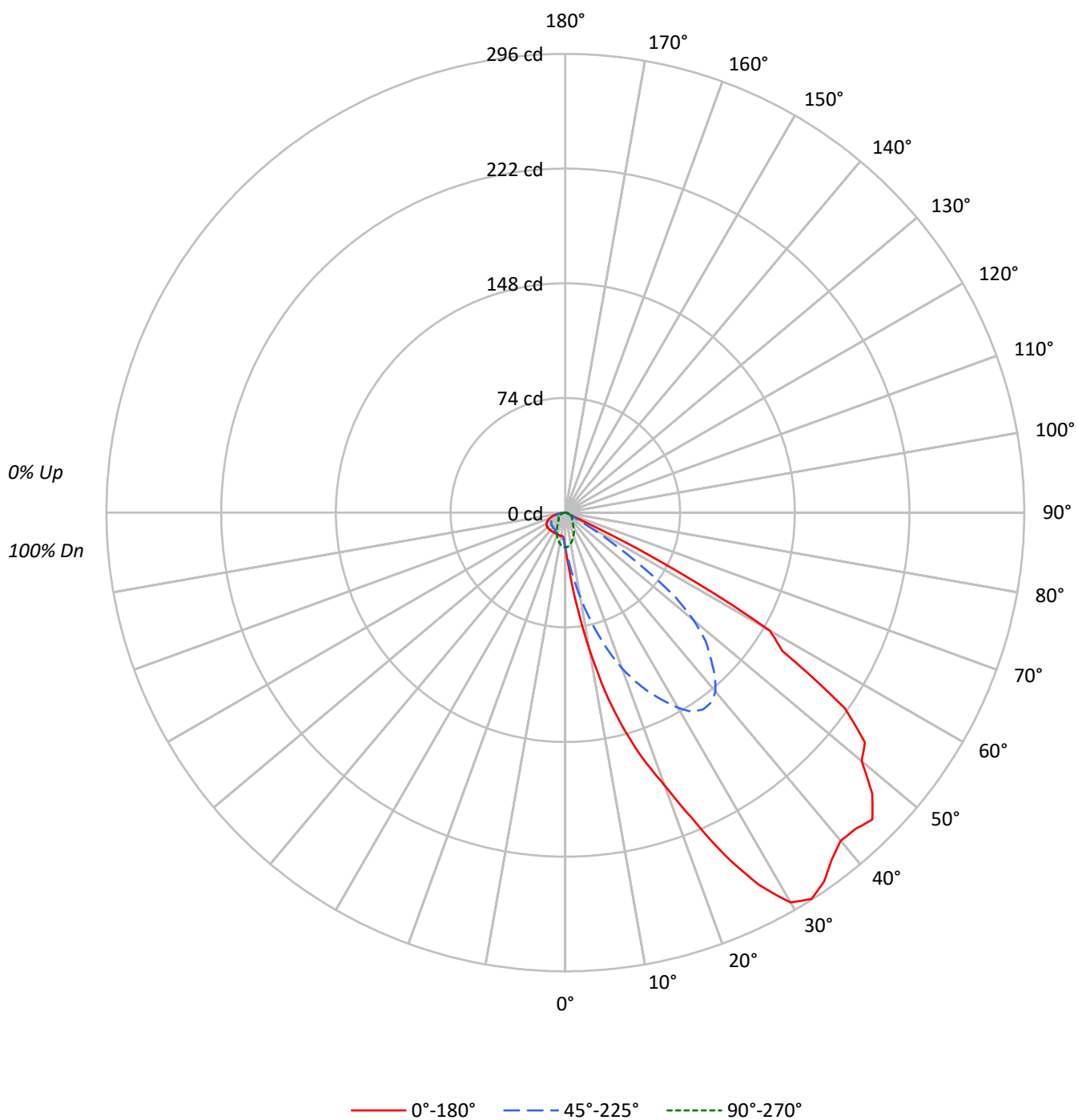
Lumens per Lamp: N/A
Luminaire Lumens: 225.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 3.38 / 0.84 / 2.07
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	3841	3841	3841	3841	3841
5°	7572	5913	3786	2870	2714
10°	15634	9618	3533	2606	2641
15°	25568	14442	3174	2621	2692
20°	34291	19574	2841	2621	2731
25°	46405	24285	2489	2603	2831
30°	57751	28915	2068	2605	2963
35°	61139	32588	1766	2670	3091
40°	62118	33880	1619	2765	3350
45°	68197	32272	1534	2947	3629
50°	66849	28937	1527	3135	3992
55°	66087	17745	1531	3363	4414
60°	52425	4237	1619	3582	4788
65°	3342	734	1589	3668	5175
70°	705	806	1561	3827	5438
75°	665	799	1331	3660	5590
80°	595	793	1389	3670	5256
85°	395	790	1581	3162	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 52.5°

Luminance: 71971 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	1.2
10°-20°	14.0	6.2
20°-30°	32.5	14.5
30°-40°	50.6	22.5
40°-50°	57.6	25.6
50°-60°	48.5	21.6
60°-70°	14.1	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°	49.3	21.9
0°-40°	99.9	44.4
0°-60°	206.1	91.6
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°	22	22	22	22	22	
5°	44	34	22	17	16	6
15°	143	81	18	15	15	41
25°	244	128	13	14	15	113
35°	291	155	8	13	15	181
45°	280	132	6	12	15	210
55°	220	59	5	11	15	185
65°	8	2	4	9	13	40
75°	1	1	2	6	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°	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
2.5°	30.1	29.9	29.9	29.7	29.5	29.2	28.6	28.4	27.2	24.7	22.3
5°	43.8	43.6	43.0	42.7	41.7	40.3	38.9	37.4	34.2	27.2	21.9
7.5°	63.4	63.8	63.4	61.2	59.7	57.5	53.2	50.1	43.6	29.7	21.1
10°	89.4	89.4	88.8	85.3	82.2	77.9	72.4	67.1	55.0	31.9	20.2
12.5°	117.6	118.2	115.1	112.3	106.8	101.4	93.9	85.9	68.1	33.7	19.2
15°	143.4	143.0	139.9	136.2	130.5	123.1	115.1	104.9	81.0	35.0	17.8
17.5°	166.3	165.5	162.8	158.7	151.8	143.6	133.4	122.3	94.3	36.0	16.8
20°	187.1	184.3	181.2	176.9	170.2	161.6	150.9	138.5	106.8	36.0	15.5
22.5°	213.5	210.7	206.4	199.8	190.8	180.2	167.7	153.6	117.8	35.2	14.3
25°	244.2	242.0	234.6	226.2	214.5	201.9	187.3	168.3	127.8	34.0	13.1
27.5°	271.0	268.5	261.2	248.9	234.8	219.7	204.3	184.9	136.6	31.7	11.7
30°	290.4	287.4	281.6	270.0	252.8	234.4	216.2	197.6	145.4	29.0	10.4
32.5°	295.5	295.1	290.8	282.2	266.9	246.7	225.0	204.7	152.4	25.6	9.4
35°	290.8	291.5	290.6	286.3	275.1	255.3	230.7	208.6	155.0	22.1	8.4
37.5°	282.2	283.1	284.5	285.1	278.0	260.4	234.0	210.3	154.4	18.6	7.8
40°	276.3	275.9	275.9	280.0	278.6	262.6	234.4	209.0	150.7	14.9	7.2
42.5°	276.9	272.4	269.4	275.9	278.0	261.6	231.7	205.8	142.8	11.5	6.5
45°	280.0	270.4	265.1	273.5	276.7	258.1	226.8	200.8	132.5	8.0	6.3
47.5°	268.5	262.2	261.4	273.2	274.5	252.2	219.3	193.1	122.7	5.5	5.9
50°	249.5	248.5	252.8	265.1	265.3	242.4	210.7	179.0	108.0	3.9	5.7
52.5°	243.6	244.2	248.1	254.4	248.5	225.8	195.1	167.1	89.4	3.1	5.5
55°	220.1	221.1	224.8	228.7	224.4	205.6	176.3	152.8	59.1	2.9	5.1
57.5°	165.7	168.3	175.1	178.6	179.0	167.5	159.7	131.7	33.3	2.9	4.9
60°	152.2	148.7	145.6	138.5	131.9	130.5	131.3	98.8	12.3	2.7	4.7
62.5°	79.6	77.9	82.6	85.7	86.5	91.0	85.1	52.2	2.7	2.7	4.3
65°	8.2	8.2	10.0	13.3	22.1	29.5	28.0	15.1	1.8	2.5	3.9
67.5°	2.5	2.5	2.5	2.9	3.7	3.7	3.1	2.2	1.8	2.2	3.5
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.4	1.6	2.0	3.1
72.5°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.8	2.7
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°	22.3	22.3	22.3	22.3
2.5°	20.2	18.8	18.0	17.6
5°	18.4	16.6	16.0	15.7
7.5°	16.8	15.5	15.3	15.3
10°	15.7	14.9	15.1	15.1
12.5°	15.1	14.9	15.1	15.3
15°	14.5	14.7	15.1	15.1
17.5°	14.1	14.5	14.9	15.1
20°	13.5	14.3	14.9	14.9
22.5°	13.1	14.1	14.7	14.9
25°	12.7	13.7	14.5	14.9
27.5°	12.1	13.5	14.5	14.7
30°	11.5	13.1	14.3	14.9
32.5°	10.8	12.9	14.3	14.7
35°	10.4	12.7	14.3	14.7
37.5°	10.0	12.5	14.3	14.9
40°	9.8	12.3	14.1	14.9
42.5°	9.4	12.3	14.1	14.9
45°	9.2	12.1	14.1	14.9
47.5°	9.0	11.9	14.1	14.9
50°	8.6	11.7	13.9	14.9
52.5°	8.4	11.5	13.9	14.9
55°	8.0	11.2	13.7	14.7
57.5°	7.8	10.8	13.5	14.3
60°	7.4	10.4	13.1	13.9
62.5°	6.7	9.8	12.5	13.5
65°	6.1	9.0	11.9	12.7
67.5°	5.5	8.4	11.0	11.9
70°	4.9	7.6	10.0	10.8
72.5°	4.3	6.5	9.0	9.6
75°	3.7	5.5	7.6	8.4
77.5°	2.9	4.5	6.3	7.0
80°	2.2	3.7	4.9	5.3
82.5°	1.8	2.7	3.7	3.9
85°	1.2	1.6	2.2	2.7
87.5°	0.6	0.8	1.0	1.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)