

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: P1321101

Luminaire Tested: LDSQA3D02R60B2750DE010 3LSQCA45R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321101
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCA45R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

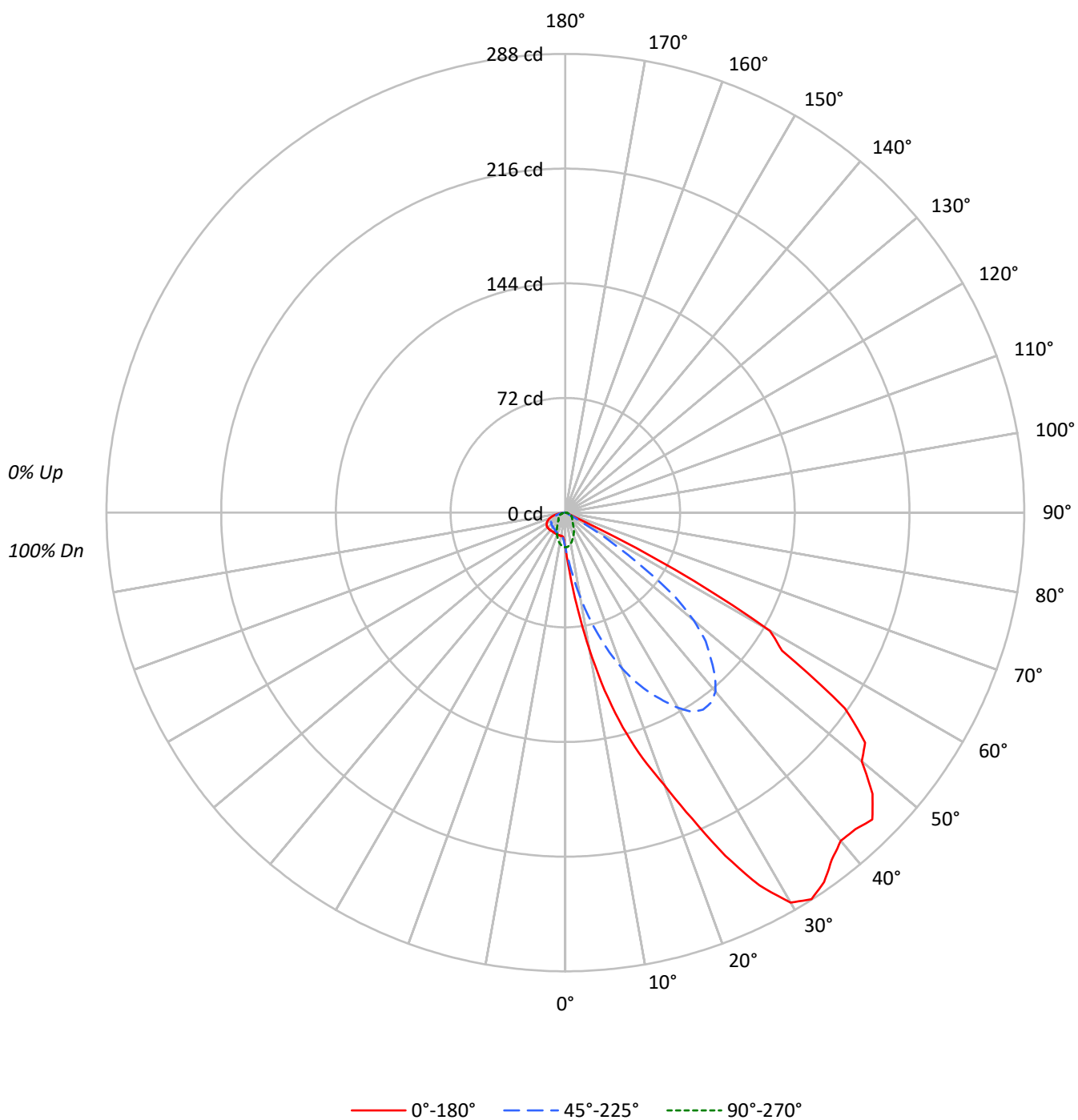
Lumens per Lamp: N/A
Luminaire Lumens: 219.0 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 3.38 / 0.84 / 2.07
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	93	91	92	90	89	87		
2	101	93	87	82	98	91	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°	3737	3737	3737	3737	3737
5°	7365	5740	3682	2783	2645
10°	15215	9374	3445	2536	2571
15°	24890	14050	3085	2550	2621
20°	33393	19042	2767	2548	2657
25°	45169	23639	2413	2527	2755
30°	56219	28139	2028	2526	2884
35°	59520	31726	1724	2586	3007
40°	60454	32981	1574	2675	3260
45°	66370	31419	1510	2850	3532
50°	65080	28160	1500	3028	3885
55°	64316	17265	1501	3273	4294
60°	51012	4099	1584	3513	4650
65°	3260	734	1549	3586	5012
70°	705	806	1511	3726	5338
75°	665	799	1331	3593	5456
80°	595	793	1389	3570	5157
85°	395	790	1581	3162	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 52.5°

Luminance: 70048 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	1.2
10°-20°	13.6	6.2
20°-30°	31.7	14.5
30°-40°	49.2	22.5
40°-50°	56.1	25.6
50°-60°	47.2	21.6
60°-70°	13.7	6.3
70°-80°	3.5	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°	48.0	21.9
0°-40°	97.2	44.4
0°-60°	200.6	91.6
0°-90°	219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	219.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	22	22	22	22	22	
5°	43	33	21	16	15	5
15°	140	79	17	14	15	40
25°	238	124	13	13	14	110
35°	283	151	8	12	14	176
45°	272	129	6	12	14	205
55°	214	58	5	11	14	180
65°	8	2	4	9	12	39
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°	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
2.5°	29.3	29.1	29.1	28.9	28.7	28.5	27.9	27.7	26.5	24.1	21.7
5°	42.6	42.4	41.8	41.6	40.6	39.2	37.8	36.4	33.2	26.5	21.3
7.5°	61.7	62.1	61.7	59.5	58.1	55.9	51.8	48.8	42.4	28.9	20.5
10°	87.0	87.0	86.4	83.0	80.0	75.8	70.5	65.3	53.6	31.1	19.7
12.5°	114.5	115.1	112.1	109.3	103.9	98.7	91.4	83.6	66.3	32.8	18.7
15°	139.6	139.2	136.2	132.6	127.0	119.8	112.1	102.1	78.8	34.0	17.3
17.5°	161.8	161.1	158.5	154.5	147.7	139.7	129.8	119.0	91.8	35.0	16.3
20°	182.2	179.4	176.4	172.2	165.6	157.3	146.9	134.8	103.9	35.0	15.1
22.5°	207.8	205.0	200.9	194.5	185.7	175.4	163.2	149.5	114.7	34.2	13.9
25°	237.7	235.5	228.3	220.2	208.8	196.5	182.4	163.8	124.4	33.0	12.7
27.5°	263.8	261.4	254.2	242.3	228.5	213.8	198.9	180.0	133.0	30.9	11.3
30°	282.7	279.7	274.1	262.8	246.1	228.1	210.4	192.3	141.5	28.3	10.2
32.5°	287.7	287.3	283.1	274.7	259.8	240.1	219.0	199.3	148.3	24.9	9.2
35°	283.1	283.7	282.9	278.7	267.8	248.4	224.6	203.1	150.9	21.5	8.2
37.5°	274.7	275.5	276.9	277.5	270.5	253.4	227.7	204.6	150.3	18.1	7.6
40°	268.9	268.6	268.6	272.5	271.1	255.6	228.1	203.5	146.7	14.5	7.0
42.5°	269.5	265.2	262.2	268.6	270.5	254.6	225.6	200.3	139.0	11.1	6.4
45°	272.5	263.2	258.0	266.2	269.3	251.2	220.8	195.5	129.0	7.8	6.2
47.5°	261.4	255.2	254.4	266.0	267.2	245.5	213.4	187.9	119.4	5.4	5.8
50°	242.9	241.9	246.1	258.0	258.2	235.9	205.0	174.2	105.1	3.8	5.6
52.5°	237.1	237.7	241.5	247.6	241.9	219.8	189.9	162.6	87.0	3.0	5.4
55°	214.2	215.2	218.8	222.6	218.4	200.1	171.6	148.7	57.5	2.8	5.0
57.5°	161.2	163.8	170.4	173.8	174.2	163.0	155.5	128.2	32.4	2.8	4.8
60°	148.1	144.7	141.7	134.8	128.4	127.0	127.8	96.2	11.9	2.6	4.6
62.5°	77.4	75.8	80.4	83.4	84.2	88.6	82.8	50.8	2.6	2.6	4.2
65°	8.0	8.0	9.8	12.9	21.5	28.7	27.3	14.7	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°	21.7	21.7	21.7	21.7
2.5°	19.7	18.3	17.5	17.1
5°	17.9	16.1	15.5	15.3
7.5°	16.3	15.1	14.9	14.9
10°	15.3	14.5	14.7	14.7
12.5°	14.7	14.5	14.7	14.9
15°	14.1	14.3	14.7	14.7
17.5°	13.7	14.1	14.5	14.7
20°	13.1	13.9	14.5	14.5
22.5°	12.7	13.7	14.3	14.5
25°	12.3	13.3	14.1	14.5
27.5°	11.7	13.1	14.1	14.3
30°	11.1	12.7	13.9	14.5
32.5°	10.6	12.5	13.9	14.3
35°	10.2	12.3	13.9	14.3
37.5°	9.8	12.1	13.9	14.5
40°	9.6	11.9	13.7	14.5
42.5°	9.2	11.9	13.7	14.5
45°	9.0	11.7	13.7	14.5
47.5°	8.8	11.5	13.7	14.5
50°	8.4	11.3	13.5	14.5
52.5°	8.2	11.1	13.5	14.5
55°	7.8	10.9	13.3	14.3
57.5°	7.6	10.6	13.1	13.9
60°	7.2	10.2	12.7	13.5
62.5°	6.6	9.6	12.1	13.1
65°	6.0	8.8	11.5	12.3
67.5°	5.4	8.2	10.7	11.5
70°	4.8	7.4	9.8	10.6
72.5°	4.2	6.4	8.8	9.4
75°	3.6	5.4	7.4	8.2
77.5°	2.8	4.4	6.2	6.8
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)