

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: P1321091

Luminaire Tested: LDSQA3D02R60B2750DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R60B2750DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

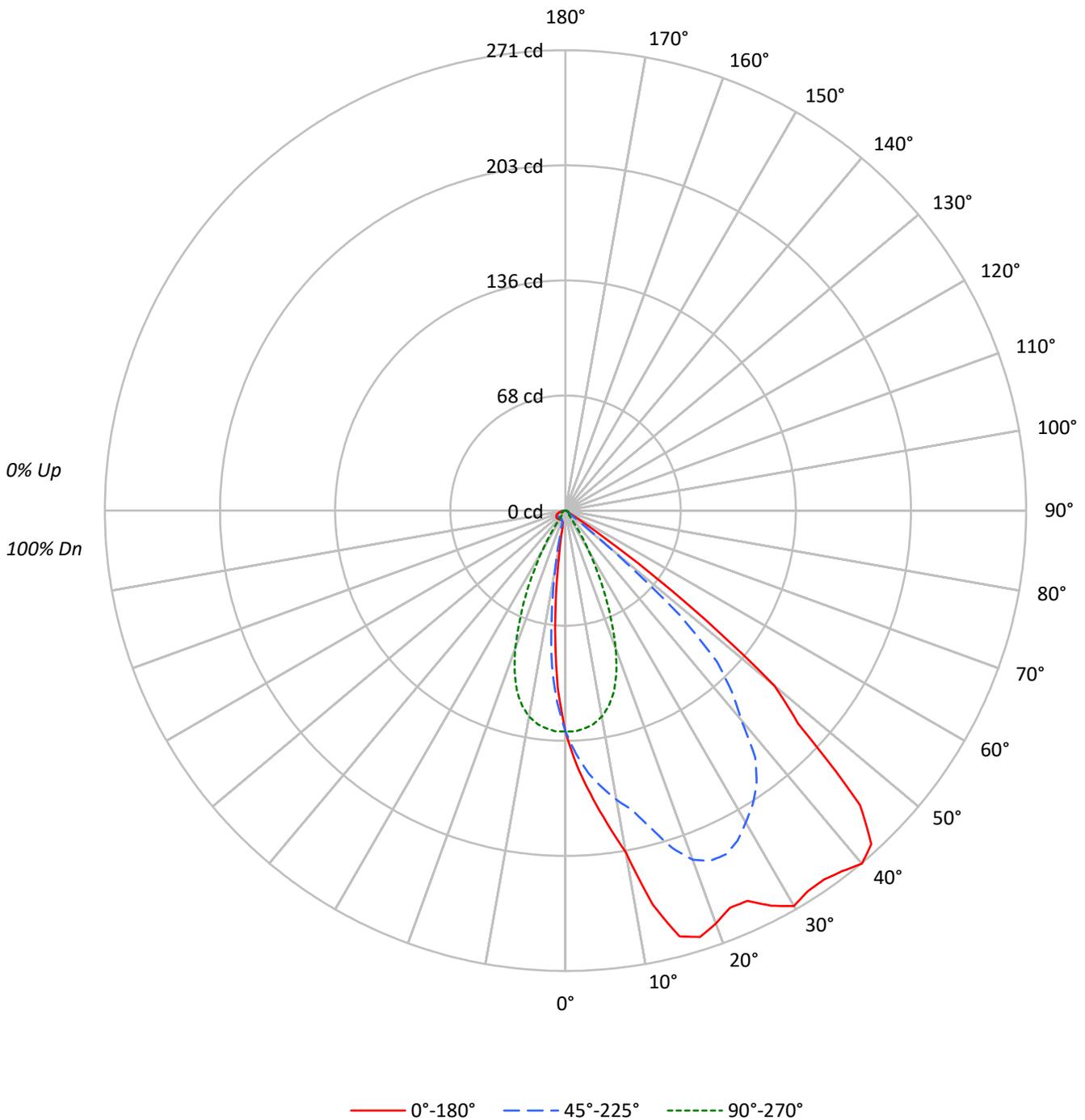
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 211.1 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100	
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90	
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81	
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72	
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58	
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47	
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43	
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39	
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22372	22372	22372	22372	22372
5°	28888	26831	22250	15836	12084
10°	35710	30237	21528	5998	1784
15°	46251	34412	19648	1319	1177
20°	47395	40082	15817	1100	1136
25°	48153	42433	10603	1064	1140
30°	53435	42160	5469	1074	1193
35°	55736	41208	1514	1135	1304
40°	60994	36151	719	1214	1439
45°	59672	30713	731	1315	1607
50°	43030	7582	804	1447	1768
55°	8257	480	841	1561	1982
60°	413	482	827	1653	2136
65°	408	489	815	1712	2282
70°	403	504	806	1712	2316
75°	399	532	799	1730	2396
80°	198	595	793	1785	2380
85°	395	395	790	1581	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 59672 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	5.4
10°-20°	31.2	14.8
20°-30°	48.0	22.7
30°-40°	56.3	26.7
40°-50°	45.2	21.4
50°-60°	14.0	6.6
60°-70°	2.7	1.3
70°-80°	1.8	0.8
80°-90°	0.6	0.3
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°	90.5	42.9
0°-40°	146.8	69.6
0°-60°	206.0	97.6
0°-90°	211.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	211.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	130	130	130	130	130	
5°	167	155	129	92	70	17
15°	259	193	110	7	7	71
25°	253	223	56	6	6	120
35°	265	196	7	5	6	168
45°	245	126	3	5	7	175
55°	28	2	3	5	7	44
65°	1	1	2	4	6	1
75°	1	1	1	3	4	1
85°	0	0	0	1	1	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°	129.9	129.9	129.9	129.9	129.9	129.9	129.9	129.9	129.9	129.9	129.9
2.5°	149.8	148.2	148.2	147.6	147.0	147.2	145.6	146.2	144.6	143.4	142.4
5°	167.1	165.1	164.9	164.0	163.0	162.2	160.2	159.0	156.6	155.2	152.2
7.5°	185.1	183.5	182.5	181.3	179.5	177.5	174.1	171.9	168.1	164.3	160.6
10°	204.2	202.8	200.6	199.2	194.2	191.0	186.5	183.5	177.9	172.9	167.1
12.5°	237.7	236.9	232.7	229.9	222.7	216.3	206.4	198.4	188.5	180.3	172.5
15°	259.4	258.4	256.2	253.6	249.0	241.8	232.9	221.7	207.8	193.0	179.9
17.5°	263.2	263.4	262.0	261.4	258.4	253.8	246.6	238.3	224.3	208.0	190.0
20°	258.6	260.2	259.8	261.0	261.6	259.8	255.0	246.8	234.7	218.7	198.6
22.5°	253.0	254.4	254.0	256.2	259.6	261.4	259.8	253.2	240.8	223.1	203.4
25°	253.4	254.4	251.4	252.8	257.2	261.6	261.8	256.0	242.6	223.3	203.0
27.5°	262.2	259.2	252.4	251.8	257.2	262.8	263.2	256.0	240.0	219.1	199.0
30°	268.7	266.5	259.0	258.0	263.2	266.9	264.9	253.8	233.9	212.0	193.2
32.5°	265.5	265.9	262.8	265.9	272.7	274.3	265.9	248.6	225.3	205.0	186.5
35°	265.1	266.7	268.5	273.5	278.1	274.3	261.0	238.9	216.1	196.0	175.9
37.5°	267.5	270.1	272.7	277.1	277.1	267.3	247.8	226.5	205.2	183.3	154.0
40°	271.3	272.9	273.7	273.3	267.9	253.6	232.9	211.6	191.2	160.8	139.4
42.5°	266.3	266.1	265.3	262.0	252.0	233.3	214.0	196.6	164.5	145.0	120.7
45°	245.0	245.0	242.8	237.5	228.3	212.8	195.6	170.3	150.0	126.1	89.6
47.5°	185.5	184.1	186.5	189.6	189.6	188.3	172.7	150.8	130.1	91.0	28.7
50°	160.6	158.4	155.4	156.0	155.6	157.2	147.2	130.7	96.2	28.3	2.0
52.5°	90.8	94.8	104.6	118.3	124.5	126.7	120.5	99.4	32.5	1.8	1.6
55°	27.5	28.3	32.1	39.4	53.6	68.5	69.5	32.3	2.2	1.6	1.6
57.5°	1.2	1.2	1.6	2.4	5.6	8.4	9.0	2.0	1.4	1.6	1.6
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.6
62.5°	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.4
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.4
67.5°	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0
72.5°	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	1.0
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8
77.5°	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	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°	129.9	129.9	129.9	129.9	129.9	129.9	129.9	129.9
2.5°	141.0	139.4	137.7	130.1	122.7	112.8	106.0	104.0
5°	149.6	147.0	143.0	128.7	111.4	91.6	75.7	69.9
7.5°	156.8	152.8	147.2	126.7	97.8	62.2	40.0	33.9
10°	162.0	157.0	149.8	123.1	79.9	34.3	13.5	10.2
12.5°	166.3	159.8	151.2	117.7	58.2	13.9	7.0	7.0
15°	169.3	161.4	151.8	110.2	37.7	7.4	6.6	6.6
17.5°	173.5	163.2	151.8	99.6	20.5	6.4	6.4	6.4
20°	180.3	164.9	149.6	86.3	11.4	6.0	6.2	6.2
22.5°	183.9	167.5	146.8	70.7	7.2	5.8	6.0	6.0
25°	184.7	167.1	140.8	55.8	5.8	5.6	5.8	6.0
27.5°	181.9	164.3	132.9	40.6	5.2	5.4	5.8	6.0
30°	176.9	157.6	120.1	27.5	4.8	5.4	5.8	6.0
32.5°	167.5	141.2	105.2	16.5	4.6	5.4	5.8	6.2
35°	146.6	124.1	88.1	7.2	4.4	5.4	6.0	6.2
37.5°	131.5	107.0	68.1	3.6	4.4	5.4	6.0	6.4
40°	114.7	86.1	31.5	3.2	4.4	5.4	6.0	6.4
42.5°	87.5	39.8	3.8	3.2	4.2	5.4	6.2	6.4
45°	31.9	4.2	2.0	3.0	4.2	5.4	6.2	6.6
47.5°	2.4	1.6	1.8	3.0	4.2	5.4	6.2	6.6
50°	1.6	1.6	1.8	3.0	4.2	5.4	6.2	6.6
52.5°	1.6	1.8	1.8	2.8	4.0	5.4	6.2	6.6
55°	1.6	1.8	1.8	2.8	4.0	5.2	6.2	6.6
57.5°	1.6	1.6	1.8	2.6	3.8	5.0	6.2	6.4
60°	1.6	1.6	1.8	2.4	3.6	4.8	5.8	6.2
62.5°	1.6	1.6	1.6	2.2	3.4	4.6	5.6	6.0
65°	1.4	1.4	1.6	2.0	3.0	4.2	5.2	5.6
67.5°	1.2	1.4	1.4	1.8	2.8	3.8	4.8	5.2
70°	1.2	1.2	1.2	1.6	2.4	3.4	4.4	4.6
72.5°	1.0	1.0	1.2	1.4	2.2	3.0	4.0	4.2
75°	0.8	1.0	1.0	1.2	1.8	2.6	3.4	3.6
77.5°	0.8	0.8	0.8	1.0	1.6	2.2	2.8	3.0
80°	0.6	0.6	0.6	0.8	1.2	1.8	2.2	2.4
82.5°	0.4	0.6	0.6	0.6	1.0	1.2	1.6	1.8
85°	0.4	0.4	0.4	0.4	0.6	0.8	1.0	1.2
87.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)