

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: P1321089

Luminaire Tested: LDSQA3D02R60B2750DE010 3LSQCA30R 1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R60B2750DE010 3LSQCA30R 1MMS_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R60 optic, 5000K CCT AND, 80CRI , 3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

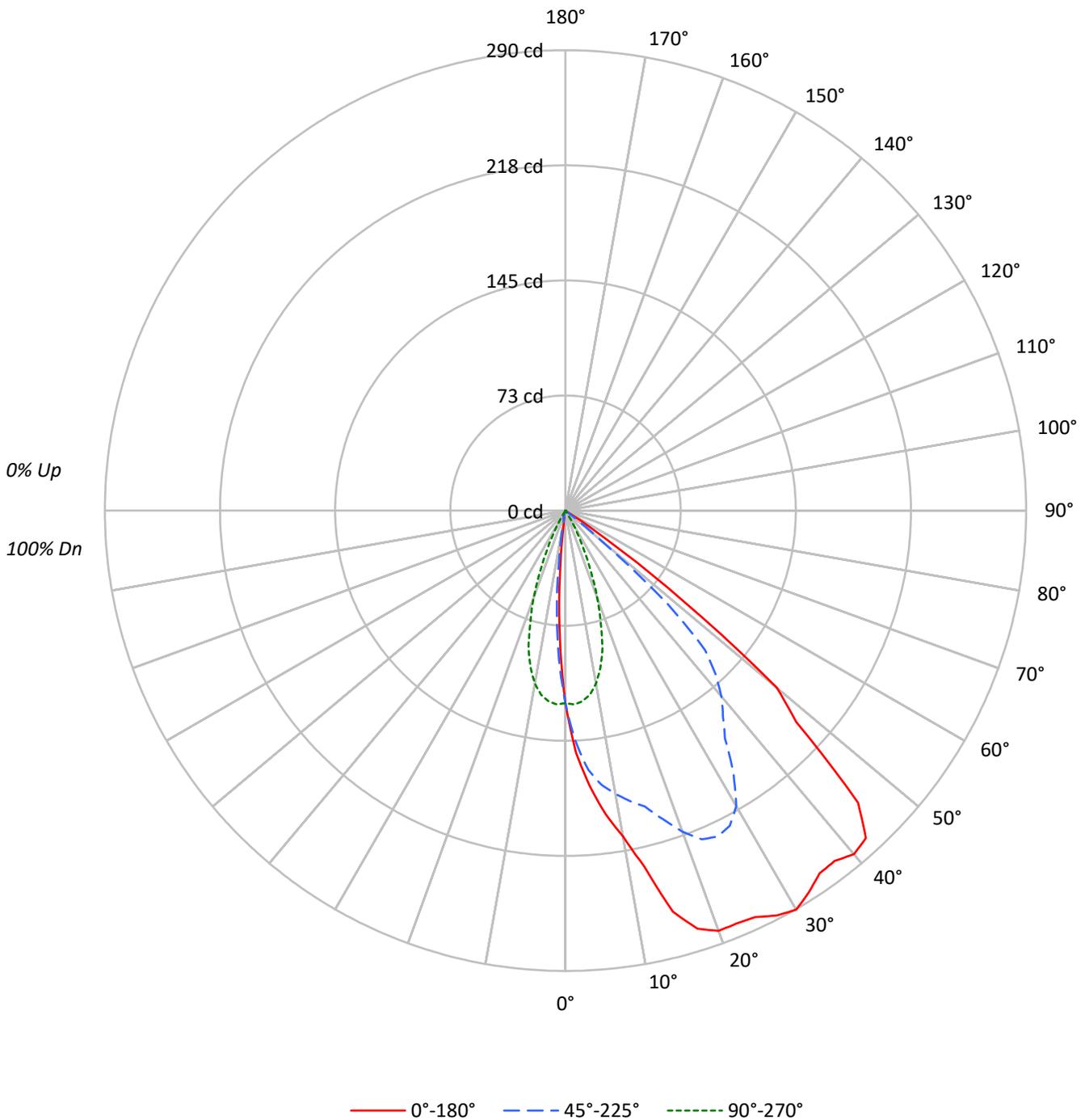
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 197.0 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
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	100	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	82	82	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	74	74	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	66	66	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60	60	60	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	54	54	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	49	49	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44	44	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	40	40	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20873	20873	20873	20873	20873
5°	30081	28335	20849	10736	6898
10°	36392	31688	19342	1277	752
15°	46643	34412	16029	838	695
20°	51629	39441	10758	477	73
25°	53683	43041	5283	38	0
30°	57731	42756	1452	0	0
35°	58637	36814	0	0	0
40°	63512	34330	0	0	0
45°	63447	30299	0	0	0
50°	46459	7341	0	0	0
55°	9068	0	0	0	0
60°	0	0	0	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	198	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 63569 cd/sqm



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CATALOG NUMBER: LDSQA3D02R60B2750DE010 3LSQCA30R 1MMS_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	5.3
10°-20°	29.6	15.0
20°-30°	47.2	24.0
30°-40°	54.6	27.7
40°-50°	43.4	22.0
50°-60°	11.4	5.8
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.1	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°	87.3	44.3
0°-40°	141.9	72.0
0°-60°	196.7	99.8
0°-90°	197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	197.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	121	121	121	121	121	
5°	174	164	121	62	40	18
15°	262	193	90	5	4	73
25°	282	226	28	0	0	132
35°	279	175	0	0	0	177
45°	260	124	0	0	0	185
55°	30	0	0	0	0	46
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
2.5°	152.5	154.0	153.3	152.7	151.2	150.5	150.5	148.8	146.0	145.6	143.6
5°	174.0	174.5	174.5	174.0	173.0	171.2	170.8	169.1	166.5	163.9	161.3
7.5°	192.8	192.6	191.3	190.4	188.5	186.1	184.0	181.6	177.7	174.3	170.6
10°	208.1	208.8	207.7	205.5	202.9	199.7	196.3	192.2	186.3	181.2	176.4
12.5°	229.7	229.5	226.7	223.0	216.7	210.7	205.3	200.8	193.7	187.4	181.6
15°	261.6	261.2	258.6	255.4	246.3	237.2	228.0	215.2	203.4	193.0	184.8
17.5°	276.1	276.9	274.8	273.0	267.9	261.8	253.6	240.9	222.6	203.8	186.6
20°	281.7	282.7	281.2	281.0	278.6	275.8	269.2	255.4	237.5	215.2	193.9
22.5°	281.5	282.3	281.7	284.5	287.3	285.8	277.6	263.8	245.4	224.1	199.9
25°	282.5	281.9	279.5	283.6	287.7	286.4	282.3	270.5	250.4	226.5	202.1
27.5°	287.5	282.7	278.0	283.2	285.1	285.5	283.2	269.2	249.5	223.9	197.8
30°	290.3	285.1	281.2	285.5	285.5	287.9	283.0	267.0	242.2	215.0	186.3
32.5°	285.1	284.0	287.5	291.8	292.9	292.9	281.9	259.9	229.9	196.9	168.0
35°	278.9	281.5	291.4	293.3	293.3	288.6	275.2	247.4	211.6	175.1	154.4
37.5°	278.2	282.3	293.3	290.9	287.1	278.2	258.8	225.6	185.5	162.8	144.3
40°	282.5	286.4	292.9	284.3	275.0	261.2	237.9	197.1	169.7	152.7	132.0
42.5°	279.9	283.6	283.8	271.1	257.9	239.2	208.3	174.0	158.3	139.8	118.0
45°	260.5	261.0	260.1	246.5	232.9	213.5	180.7	162.6	145.8	124.4	86.7
47.5°	196.9	196.0	199.3	195.4	196.0	184.4	164.1	149.2	129.2	87.3	26.3
50°	173.4	172.3	169.1	165.6	162.2	156.6	147.1	131.1	93.2	27.4	0.9
52.5°	93.0	98.1	108.3	123.8	129.6	129.2	122.1	97.1	29.3	0.2	0.0
55°	30.2	29.8	33.2	39.3	53.9	62.1	64.7	33.0	0.6	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	2.2	5.6	7.3	0.4	0.0	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.2	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°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
2.5°	141.0	138.0	134.6	122.3	107.8	93.8	83.7	81.1
5°	157.2	152.0	144.7	120.6	89.1	62.1	44.4	39.9
7.5°	165.6	161.1	153.3	117.1	69.0	30.6	11.4	7.8
10°	170.8	165.4	156.8	110.6	45.1	7.3	4.1	4.3
12.5°	174.5	168.2	158.5	101.4	22.9	3.7	5.2	5.4
15°	176.0	169.3	158.3	89.9	8.2	4.7	4.5	3.9
17.5°	175.1	166.7	155.5	73.5	2.8	4.5	2.4	1.9
20°	174.0	164.6	151.0	58.7	2.4	2.6	0.9	0.4
22.5°	177.5	160.9	144.7	42.1	2.4	0.9	0.0	0.0
25°	177.9	159.4	136.7	27.8	1.1	0.2	0.0	0.0
27.5°	173.6	150.5	124.4	16.4	0.0	0.0	0.0	0.0
30°	159.8	139.5	111.3	7.3	0.0	0.0	0.0	0.0
32.5°	146.2	127.2	96.6	1.7	0.0	0.0	0.0	0.0
35°	135.4	114.5	80.4	0.0	0.0	0.0	0.0	0.0
37.5°	122.1	99.4	60.0	0.0	0.0	0.0	0.0	0.0
40°	108.1	80.2	30.0	0.0	0.0	0.0	0.0	0.0
42.5°	84.3	38.2	3.0	0.0	0.0	0.0	0.0	0.0
45°	32.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.7	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	0.0	0.0	0.0	0.0	0.0
60°	0.2	0.2	0.0	0.0	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	0.0	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	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
77.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	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)