

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: P1321086

Luminaire Tested: LDSQA3D02R60B2750DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321086
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

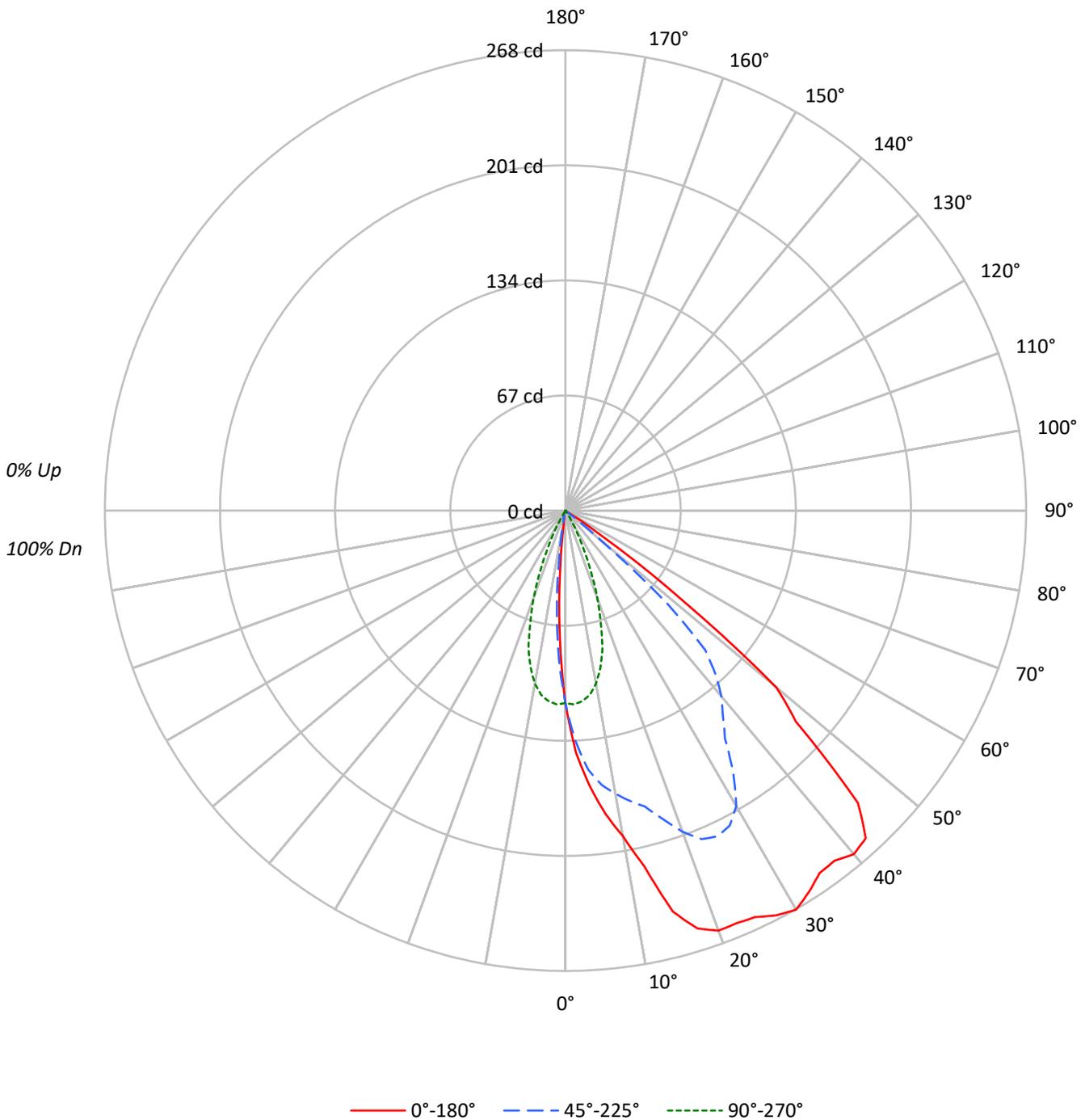
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 182.0 lumens
Efficiency: N/A
Efficacy: 62.8 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19289	19289	19289	19289	19289
5°	27799	26174	19259	9923	6379
10°	33629	29275	17873	1189	700
15°	43095	31791	14817	785	642
20°	47688	36453	9934	440	73
25°	49597	39754	4884	38	0
30°	53336	39515	1352	0	0
35°	54159	34018	0	0	0
40°	58678	31722	0	0	0
45°	58625	28009	0	0	0
50°	42923	6779	0	0	0
55°	8377	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: 58722 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	5.3
10°-20°	27.4	15.0
20°-30°	43.6	24.0
30°-40°	50.4	27.7
40°-50°	40.1	22.0
50°-60°	10.5	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°	80.6	44.3
0°-40°	131.1	72.0
0°-60°	181.7	99.8
0°-90°	182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	182.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	112	112	112	112	112	
5°	161	151	111	57	37	16
15°	242	178	83	4	4	67
25°	261	209	26	0	0	122
35°	258	162	0	0	0	164
45°	241	115	0	0	0	171
55°	28	0	0	0	0	42
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°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
2.5°	140.9	142.3	141.7	141.1	139.7	139.1	139.1	137.5	134.9	134.5	132.7
5°	160.8	161.2	161.2	160.8	159.8	158.2	157.8	156.2	153.8	151.4	149.0
7.5°	178.1	177.9	176.7	175.9	174.1	172.0	170.0	167.8	164.2	161.0	157.6
10°	192.3	192.9	191.9	189.9	187.5	184.5	181.3	177.5	172.2	167.4	163.0
12.5°	212.2	212.0	209.4	206.0	200.2	194.7	189.7	185.5	178.9	173.1	167.8
15°	241.7	241.3	238.9	235.9	227.5	219.2	210.6	198.9	187.9	178.3	170.8
17.5°	255.0	255.8	253.8	252.2	247.5	241.9	234.3	222.6	205.6	188.3	172.4
20°	260.2	261.2	259.8	259.6	257.4	254.8	248.7	235.9	219.4	198.9	179.1
22.5°	260.0	260.8	260.2	262.8	265.4	264.0	256.4	243.7	226.7	207.0	184.7
25°	261.0	260.4	258.2	262.0	265.8	264.6	260.8	249.9	231.3	209.2	186.7
27.5°	265.6	261.2	256.8	261.6	263.4	263.8	261.6	248.7	230.5	206.8	182.7
30°	268.2	263.4	259.8	263.8	263.8	266.0	261.4	246.7	223.8	198.7	172.2
32.5°	263.4	262.4	265.6	269.6	270.6	270.6	260.4	240.1	212.4	181.9	155.2
35°	257.6	260.0	269.2	271.0	271.0	266.6	254.2	228.5	195.5	161.8	142.7
37.5°	257.0	260.8	271.0	268.8	265.2	257.0	239.1	208.4	171.4	150.4	133.3
40°	261.0	264.6	270.6	262.6	254.0	241.3	219.8	182.1	156.8	141.1	121.9
42.5°	258.6	262.0	262.2	250.5	238.3	221.0	192.5	160.8	146.2	129.1	109.0
45°	240.7	241.1	240.3	227.7	215.2	197.3	167.0	150.2	134.7	115.0	80.1
47.5°	181.9	181.1	184.1	180.5	181.1	170.4	151.6	137.9	119.4	80.7	24.3
50°	160.2	159.2	156.2	153.0	149.8	144.7	135.9	121.1	86.1	25.3	0.8
52.5°	85.9	90.7	100.0	114.4	119.7	119.4	112.8	89.7	27.1	0.2	0.0
55°	27.9	27.5	30.7	36.3	49.8	57.4	59.8	30.5	0.6	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	2.0	5.2	6.8	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°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
2.5°	130.3	127.5	124.3	113.0	99.6	86.7	77.3	74.9
5°	145.3	140.5	133.7	111.4	82.3	57.4	41.0	36.9
7.5°	153.0	148.8	141.7	108.2	63.8	28.3	10.6	7.2
10°	157.8	152.8	144.9	102.2	41.6	6.8	3.8	4.0
12.5°	161.2	155.4	146.4	93.6	21.1	3.4	4.8	5.0
15°	162.6	156.4	146.2	83.1	7.6	4.4	4.2	3.6
17.5°	161.8	154.0	143.7	67.9	2.6	4.2	2.2	1.8
20°	160.8	152.0	139.5	54.2	2.2	2.4	0.8	0.4
22.5°	164.0	148.6	133.7	38.9	2.2	0.8	0.0	0.0
25°	164.4	147.2	126.3	25.7	1.0	0.2	0.0	0.0
27.5°	160.4	139.1	115.0	15.1	0.0	0.0	0.0	0.0
30°	147.6	128.9	102.8	6.8	0.0	0.0	0.0	0.0
32.5°	135.1	117.6	89.3	1.6	0.0	0.0	0.0	0.0
35°	125.1	105.8	74.3	0.0	0.0	0.0	0.0	0.0
37.5°	112.8	91.9	55.4	0.0	0.0	0.0	0.0	0.0
40°	99.8	74.1	27.7	0.0	0.0	0.0	0.0	0.0
42.5°	77.9	35.3	2.8	0.0	0.0	0.0	0.0	0.0
45°	29.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.6	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)