

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: P1321093

Luminaire Tested: LDSQA3D02R60B2750DE010 3LSQCA30R 1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321093
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R60 optic, 4000K CCT AND, 80CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

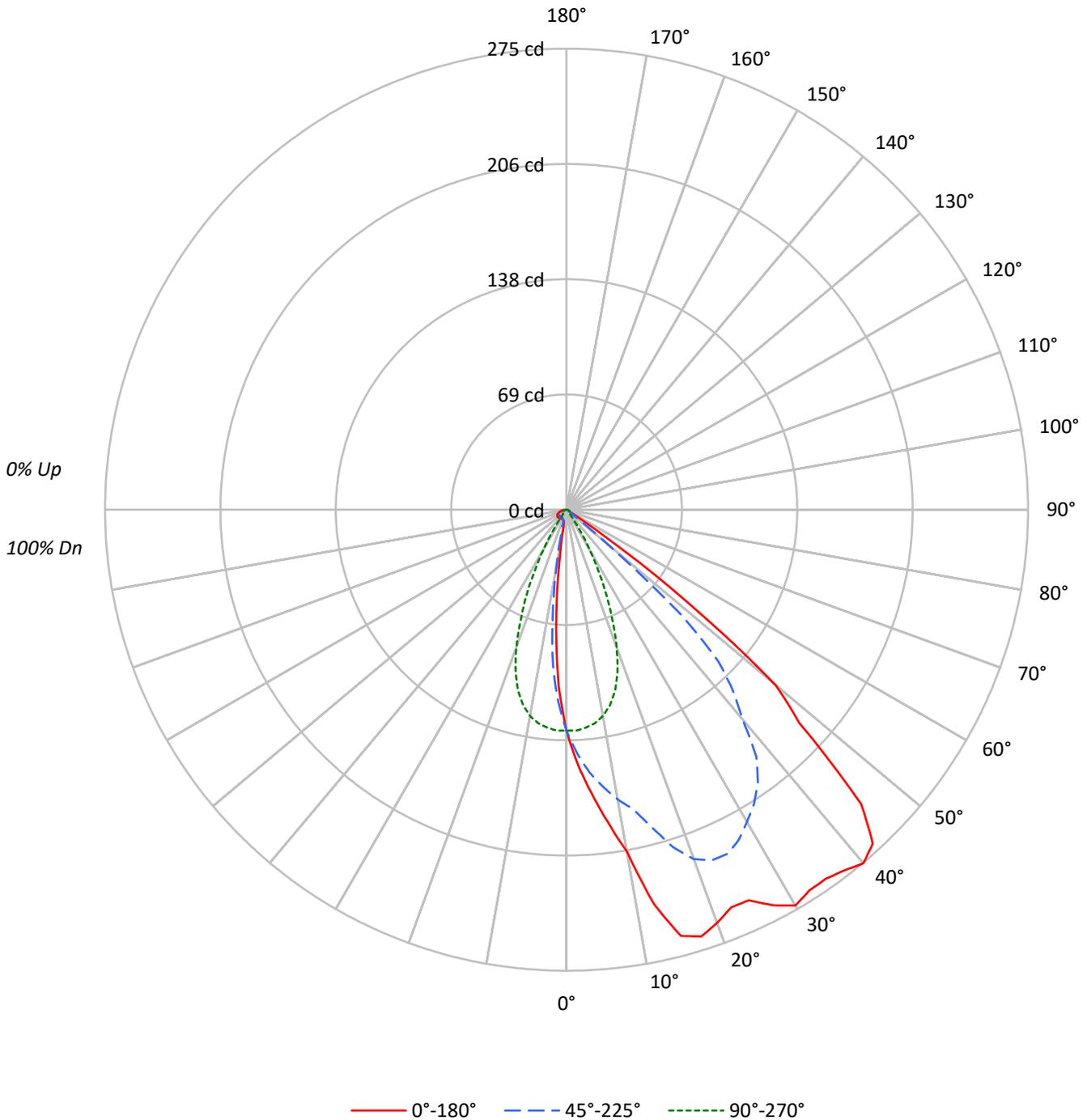
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 214.0 lumens
Efficiency: N/A
Efficacy: 73.8 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	92	90	
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	83	81	
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	72	
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	67	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	60	58	
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	54	52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	49	47	
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	45	43	
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	41	39	
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22682	22682	22682	22682	22682
5°	29303	27211	22561	16061	12257
10°	36218	30674	21842	6086	1801
15°	46910	34911	19916	1337	1195
20°	48073	40651	16037	1118	1155
25°	48837	43041	10756	1083	1159
30°	54211	42756	5548	1094	1213
35°	56535	41797	1535	1156	1325
40°	61871	36646	719	1237	1461
45°	60525	31151	731	1340	1632
50°	43619	7690	804	1474	1795
55°	8377	480	841	1591	2012
60°	413	482	827	1653	2170
65°	408	489	815	1712	2323
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: 60525 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	5.4
10°-20°	31.6	14.8
20°-30°	48.7	22.8
30°-40°	57.1	26.7
40°-50°	45.8	21.4
50°-60°	14.2	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°	91.8	42.9
0°-40°	148.9	69.6
0°-60°	208.9	97.6
0°-90°	214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	214.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	132	132	132	132	132	
5°	170	157	130	93	71	17
15°	263	196	112	8	7	72
25°	257	226	57	6	6	121
35°	269	199	7	6	6	170
45°	248	128	3	6	7	178
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°	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7
2.5°	151.9	150.3	150.3	149.7	149.1	149.3	147.7	148.3	146.7	145.5	144.5
5°	169.5	167.5	167.3	166.3	165.3	164.5	162.4	161.2	158.8	157.4	154.4
7.5°	187.7	186.1	185.1	183.9	182.0	180.0	176.6	174.4	170.5	166.7	162.8
10°	207.1	205.7	203.5	202.0	197.0	193.8	189.1	186.1	180.4	175.4	169.5
12.5°	241.0	240.2	236.0	233.2	225.9	219.4	209.3	201.2	191.1	182.8	175.0
15°	263.1	262.0	259.8	257.2	252.6	245.3	236.2	224.9	210.7	195.8	182.4
17.5°	266.9	267.1	265.7	265.1	262.0	257.4	250.1	241.6	227.5	210.9	192.7
20°	262.3	263.9	263.5	264.7	265.3	263.5	258.6	250.3	238.0	221.8	201.4
22.5°	256.6	258.0	257.6	259.8	263.3	265.1	263.5	256.8	244.3	226.3	206.3
25°	257.0	258.0	255.0	256.4	260.8	265.3	265.5	259.6	246.1	226.5	205.9
27.5°	265.9	262.9	256.0	255.4	260.8	266.5	266.9	259.6	243.5	222.2	201.8
30°	272.6	270.3	262.7	261.6	266.9	270.7	268.7	257.4	237.2	215.0	196.0
32.5°	269.3	269.7	266.5	269.7	276.6	278.2	269.7	252.1	228.5	207.9	189.1
35°	268.9	270.5	272.4	277.4	282.1	278.2	264.7	242.2	219.2	198.8	178.4
37.5°	271.3	274.0	276.6	281.0	281.0	271.1	251.3	229.7	208.1	185.9	156.2
40°	275.2	276.8	277.6	277.2	271.7	257.2	236.2	214.6	194.0	163.0	141.4
42.5°	270.1	269.9	269.1	265.7	255.6	236.6	217.0	199.4	166.9	147.1	122.4
45°	248.5	248.5	246.3	240.8	231.5	215.8	198.4	172.7	152.1	127.9	90.9
47.5°	188.1	186.7	189.1	192.3	192.3	190.9	175.2	152.9	131.9	92.3	29.1
50°	162.8	160.6	157.6	158.2	157.8	159.4	149.3	132.5	97.6	28.7	2.0
52.5°	92.1	96.2	106.1	120.0	126.3	128.5	122.2	100.8	32.9	1.8	1.6
55°	27.9	28.7	32.5	40.0	54.3	69.5	70.5	32.7	2.2	1.6	1.6
57.5°	1.2	1.2	1.6	2.4	5.7	8.5	9.1	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°	131.7	131.7	131.7	131.7	131.7	131.7	131.7	131.7
2.5°	143.0	141.4	139.6	131.9	124.5	114.4	107.5	105.5
5°	151.7	149.1	145.1	130.5	112.9	92.9	76.8	70.9
7.5°	159.0	155.0	149.3	128.5	99.2	63.0	40.6	34.3
10°	164.3	159.2	151.9	124.9	81.0	34.8	13.7	10.3
12.5°	168.7	162.0	153.4	119.4	59.0	14.1	7.1	7.1
15°	171.7	163.7	154.0	111.7	38.2	7.5	6.7	6.7
17.5°	176.0	165.5	154.0	101.0	20.8	6.5	6.5	6.5
20°	182.8	167.3	151.7	87.5	11.5	6.1	6.3	6.3
22.5°	186.5	169.9	148.9	71.7	7.3	5.9	6.1	6.1
25°	187.3	169.5	142.8	56.6	5.9	5.7	5.9	6.1
27.5°	184.5	166.7	134.8	41.2	5.3	5.5	5.9	6.1
30°	179.4	159.8	121.8	27.9	4.8	5.5	5.9	6.1
32.5°	169.9	143.2	106.7	16.8	4.6	5.5	5.9	6.3
35°	148.7	125.9	89.3	7.3	4.4	5.5	6.1	6.3
37.5°	133.3	108.5	69.1	3.6	4.4	5.5	6.1	6.5
40°	116.4	87.3	31.9	3.2	4.4	5.5	6.1	6.5
42.5°	88.7	40.4	3.8	3.2	4.2	5.5	6.3	6.5
45°	32.3	4.2	2.0	3.0	4.2	5.5	6.3	6.7
47.5°	2.4	1.6	1.8	3.0	4.2	5.5	6.3	6.7
50°	1.6	1.6	1.8	3.0	4.2	5.5	6.3	6.7
52.5°	1.6	1.8	1.8	2.8	4.0	5.5	6.3	6.7
55°	1.6	1.8	1.8	2.8	4.0	5.3	6.3	6.7
57.5°	1.6	1.6	1.8	2.6	3.8	5.1	6.3	6.5
60°	1.6	1.6	1.8	2.4	3.6	4.8	5.9	6.3
62.5°	1.6	1.6	1.6	2.2	3.4	4.6	5.7	6.1
65°	1.4	1.4	1.6	2.0	3.0	4.2	5.3	5.7
67.5°	1.2	1.4	1.4	1.8	2.8	3.8	4.8	5.3
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)