

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: P1321087

Luminaire Tested: LDSQA3D02R60B2750DE010 3LSQCA30R 1MMS\_3500K

Issue Date: 1/29/2026

**Test Information**

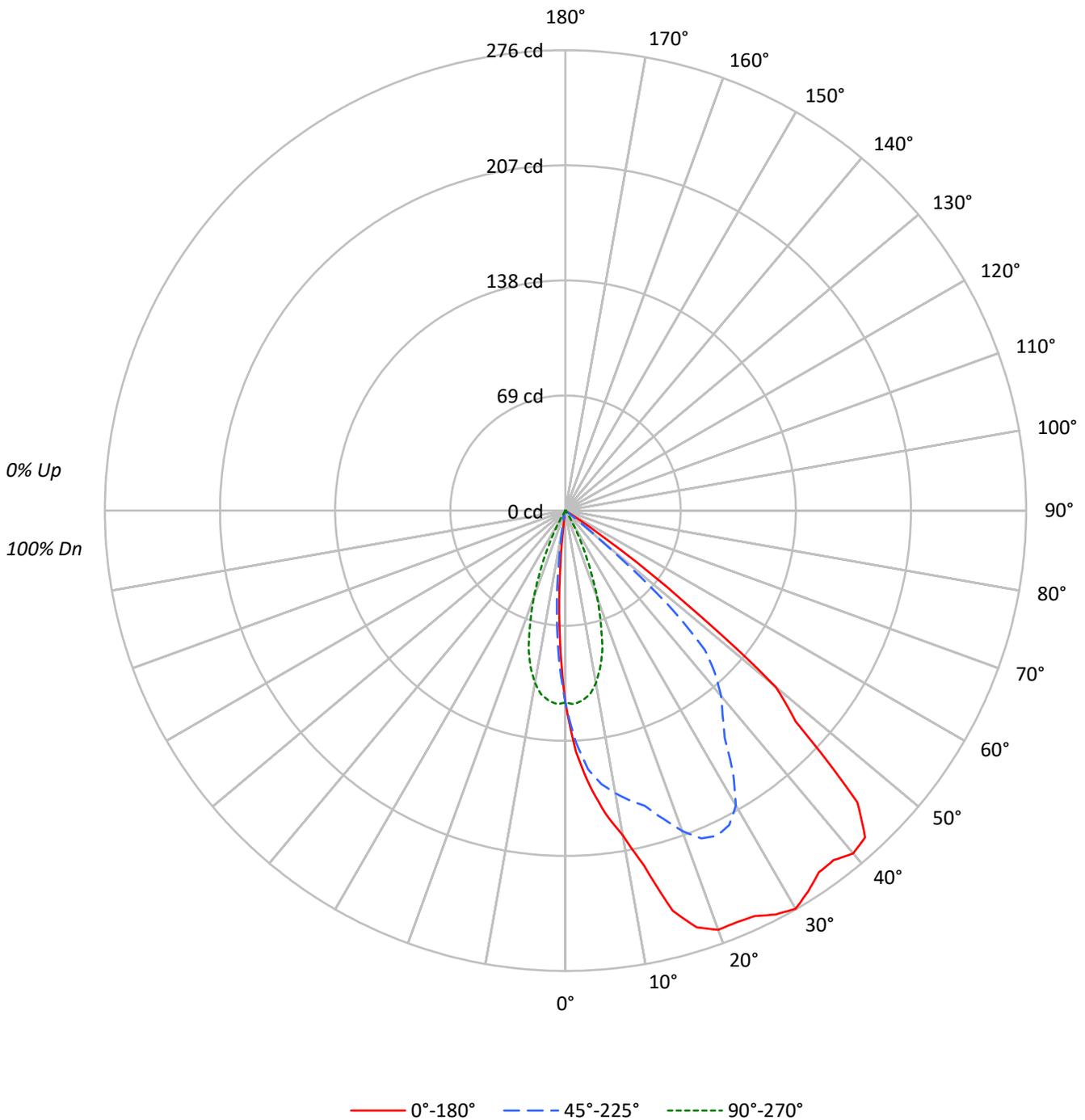
Test Method: LM-79-2019  
Report Number: P1321087  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R60B2750DE010 3LSQCA30R 1MMS\_3500K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R60 optic, 3500K CCT AND, 80CRI , 3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 187.0 lumens  
Efficiency: N/A  
Efficacy: 64.5 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°	19823	19823	19823	19823	19823
5°	28560	26900	19778	10200	6552
10°	34556	30079	18362	1224	717
15°	44271	32664	15227	802	660
20°	49008	37443	10208	458	73
25°	50965	40856	5017	38	0
30°	54807	40588	1392	0	0
35°	55652	34943	0	0	0
40°	60297	32577	0	0	0
45°	60232	28764	0	0	0
50°	44101	6966	0	0	0
55°	8617	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: 60330 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.9	5.3
10°-20°	28.1	15.0
20°-30°	44.8	24.0
30°-40°	51.8	27.7
40°-50°	41.2	22.0
50°-60°	10.8	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°	82.9	44.3
0°-40°	134.7	72.0
0°-60°	186.7	99.8
0°-90°	187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	187.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	115	115	115	115	115	
5°	165	156	114	59	38	17
15°	248	183	85	4	4	69
25°	268	215	26	0	0	125
35°	265	166	0	0	0	168
45°	247	118	0	0	0	176
55°	29	0	0	0	0	43
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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2.5°	144.7	146.2	145.6	144.9	143.5	142.9	142.9	141.3	138.6	138.2	136.3
5°	165.2	165.6	165.6	165.2	164.2	162.6	162.1	160.5	158.0	155.6	153.1
7.5°	183.0	182.8	181.6	180.8	178.9	176.7	174.6	172.4	168.7	165.4	161.9
10°	197.6	198.2	197.1	195.1	192.6	189.6	186.3	182.4	176.9	172.0	167.5
12.5°	218.0	217.8	215.2	211.7	205.7	200.0	194.9	190.6	183.8	177.9	172.4
15°	248.3	247.9	245.5	242.4	233.8	225.2	216.4	204.3	193.1	183.2	175.4
17.5°	262.0	262.9	260.8	259.2	254.3	248.5	240.8	228.7	211.3	193.5	177.1
20°	267.4	268.4	267.0	266.8	264.5	261.8	255.5	242.4	225.4	204.3	184.0
22.5°	267.2	268.0	267.4	270.0	272.7	271.3	263.5	250.4	233.0	212.7	189.8
25°	268.2	267.6	265.3	269.2	273.1	271.9	268.0	256.7	237.7	215.0	191.8
27.5°	272.9	268.4	263.9	268.8	270.6	271.1	268.8	255.5	236.9	212.5	187.7
30°	275.6	270.6	267.0	271.1	271.1	273.3	268.6	253.4	229.9	204.1	176.9
32.5°	270.6	269.6	272.9	277.0	278.0	278.0	267.6	246.7	218.2	186.9	159.5
35°	264.7	267.2	276.6	278.4	278.4	273.9	261.2	234.8	200.8	166.2	146.6
37.5°	264.1	268.0	278.4	276.2	272.5	264.1	245.7	214.1	176.1	154.6	137.0
40°	268.2	271.9	278.0	269.8	261.0	247.9	225.8	187.1	161.1	144.9	125.3
42.5°	265.7	269.2	269.4	257.3	244.8	227.0	197.8	165.2	150.3	132.7	112.0
45°	247.3	247.7	246.9	234.0	221.1	202.7	171.6	154.4	138.4	118.1	82.3
47.5°	186.9	186.1	189.2	185.5	186.1	175.0	155.8	141.7	122.6	82.9	25.0
50°	164.6	163.6	160.5	157.2	154.0	148.6	139.6	124.5	88.4	26.0	0.8
52.5°	88.2	93.1	102.8	117.5	123.0	122.6	115.9	92.1	27.8	0.2	0.0
55°	28.7	28.3	31.5	37.3	51.2	59.0	61.4	31.3	0.6	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	2.0	5.3	7.0	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°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
2.5°	133.9	131.0	127.7	116.1	102.4	89.1	79.4	77.0
5°	149.2	144.3	137.4	114.4	84.6	59.0	42.2	37.9
7.5°	157.2	152.9	145.6	111.2	65.5	29.1	10.9	7.4
10°	162.1	157.0	148.8	105.0	42.8	7.0	3.9	4.1
12.5°	165.6	159.7	150.5	96.2	21.7	3.5	4.9	5.1
15°	167.1	160.7	150.3	85.4	7.8	4.5	4.3	3.7
17.5°	166.2	158.3	147.6	69.8	2.7	4.3	2.3	1.8
20°	165.2	156.2	143.3	55.7	2.3	2.5	0.8	0.4
22.5°	168.5	152.7	137.4	39.9	2.3	0.8	0.0	0.0
25°	168.9	151.3	129.8	26.4	1.0	0.2	0.0	0.0
27.5°	164.8	142.9	118.1	15.6	0.0	0.0	0.0	0.0
30°	151.7	132.5	105.6	7.0	0.0	0.0	0.0	0.0
32.5°	138.8	120.8	91.7	1.6	0.0	0.0	0.0	0.0
35°	128.6	108.7	76.4	0.0	0.0	0.0	0.0	0.0
37.5°	115.9	94.4	56.9	0.0	0.0	0.0	0.0	0.0
40°	102.6	76.2	28.5	0.0	0.0	0.0	0.0	0.0
42.5°	80.0	36.2	2.9	0.0	0.0	0.0	0.0	0.0
45°	30.7	3.3	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)