

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: P1321110

Luminaire Tested: LDSQA3D02R60B2750DE010 3LSQCDR1MB\_2700K

Issue Date: 1/29/2026

**Test Information**

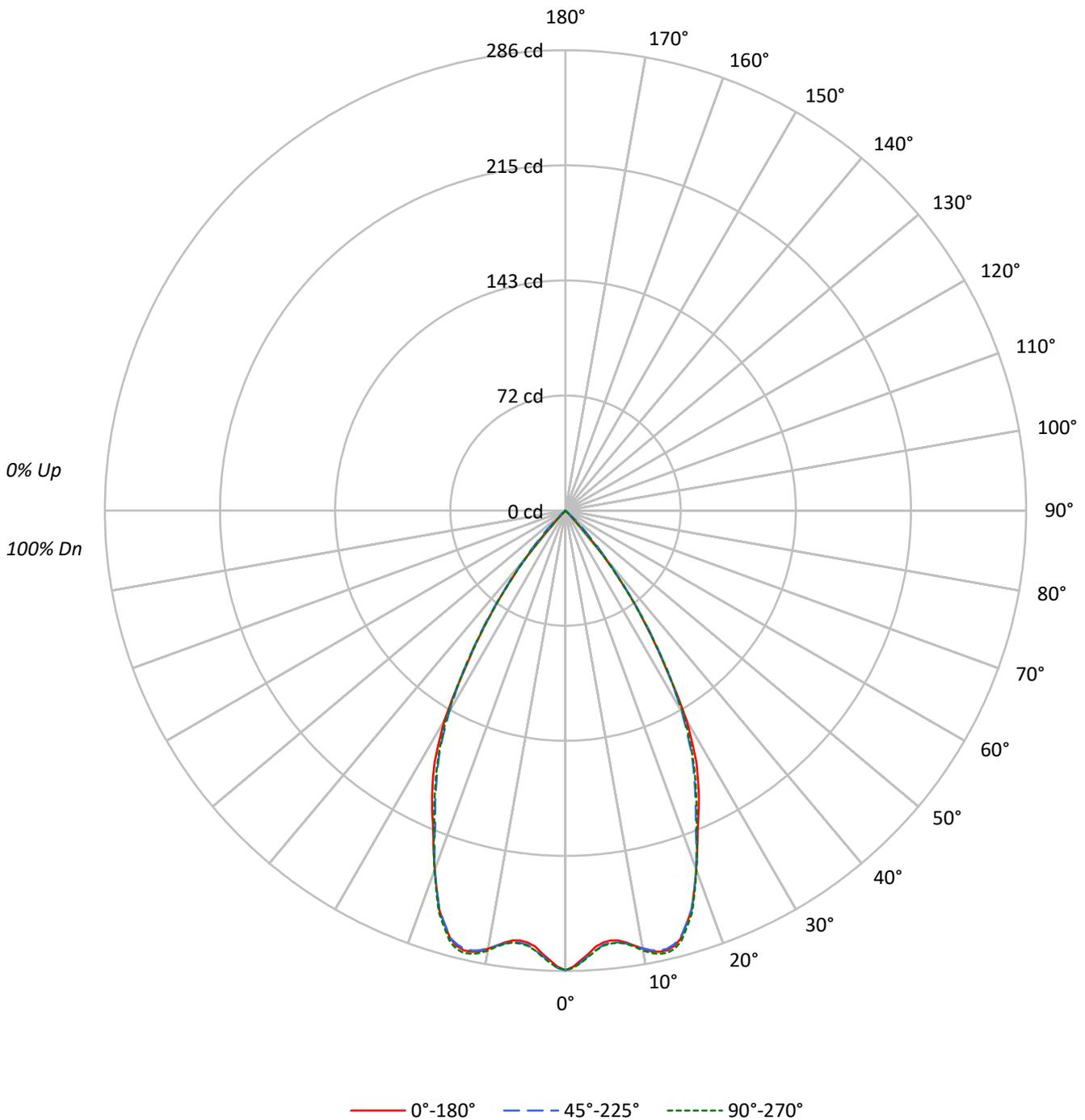
Test Method: LM-79-2019  
Report Number: P1321110  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R60B2750DE010 3LSQCDR1MB\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 253.0 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82	82	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77	77	77	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72	72	72	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67	67	67	67
7	85	76	70	66	83	75	69	66	74	69	65	72	68	65	71	67	64	63	63	63	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59	59	59	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56	56	56	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	49170	49170	49170
5°	46574	46816	46885
10°	48337	48267	48547
15°	49139	49068	49424
20°	43491	43491	43565
25°	37264	36162	36466
30°	29810	28736	29174
35°	18502	18880	18460
40°	8116	8925	8341
45°	97	2898	244
50°	0	322	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2898 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.1	10.3
10°-20°	75.6	29.9
20°-30°	87.8	34.7
30°-40°	55.2	21.8
40°-50°	8.3	3.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	189.4	74.9
0°-40°	244.7	96.7
0°-60°	253.0	100.0
0°-90°	253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	253.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	286	286	286	286	286	
5°	269	270	271	271	271	26
15°	276	275	275	277	277	76
25°	196	194	190	191	192	89
35°	88	88	90	88	88	55
45°	0	4	12	5	1	5
55°	0	0	0	0	0	0
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°	22.5°	45°	67.5°	90°
0°	285.5	285.5	285.5	285.5	285.5
1°	283.3	284.1	284.1	284.3	284.1
2°	279.4	280.6	280.6	281.3	280.9
3°	275.6	276.6	276.8	277.6	277.4
4°	271.4	273.0	273.6	274.0	273.8
5°	269.4	270.4	270.8	271.4	271.2
6°	268.5	269.4	269.8	270.4	270.4
7°	269.1	269.8	270.4	270.8	270.4
8°	271.0	271.6	271.6	272.4	271.8
9°	273.6	273.8	273.8	274.8	274.2
10°	276.4	276.0	276.0	277.4	277.6
11°	278.8	278.4	278.2	279.6	280.0
12°	280.2	279.4	279.4	281.3	281.5
13°	280.4	279.4	279.4	281.3	281.9
14°	278.8	277.6	277.8	279.8	280.4
15°	275.6	274.6	275.2	277.0	277.2
17.5°	260.3	259.7	260.1	261.3	261.5
20°	237.3	236.9	237.3	237.3	237.7
22.5°	214.5	213.5	211.4	212.7	212.9
25°	196.1	193.9	190.3	191.1	191.9
27.5°	175.9	173.1	169.3	170.3	170.5
30°	149.9	148.5	144.5	145.5	146.7
32.5°	115.8	119.6	117.2	117.0	117.2
35°	88.0	88.2	89.8	88.0	87.8
37.5°	61.5	61.7	62.9	60.9	61.1
40°	36.1	38.7	39.7	38.9	37.1
42.5°	11.3	20.0	22.6	19.6	12.5
45°	0.4	3.8	11.9	5.0	1.0
47.5°	0.0	0.2	5.6	0.4	0.0
50°	0.0	0.0	1.2	0.0	0.0
52.5°	0.0	0.0	0.2	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)