

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: P1321071

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCDR1MMS\_3000K

Issue Date: 1/29/2026

**Test Information**

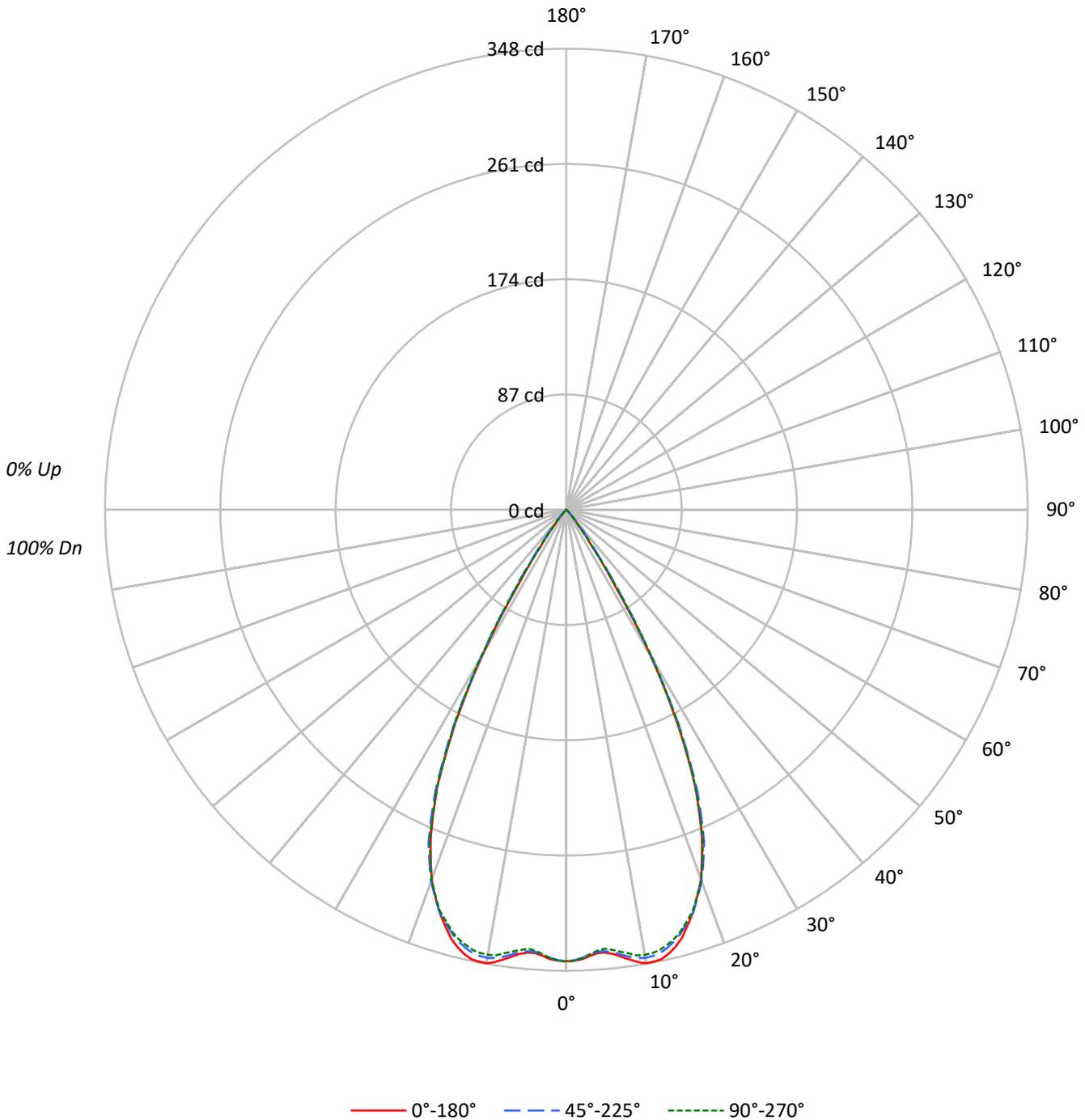
Test Method: LM-79-2019  
Report Number: P1321071  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R55B2750DE010 3LSQCDR1MMS\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 259.0 lumens  
Efficiency: N/A  
Efficacy: 89.3 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
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	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	58676	58676	58676
5°	58001	57829	57517
10°	60788	60071	59651
15°	59783	59141	58927
20°	54451	54671	54488
25°	43687	44371	43687
30°	25077	25713	25912
35°	7148	8620	7359
40°	1844	2630	1888
45°	195	926	146
50°	0	161	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: 926 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.3	12.5
10°-20°	92.3	35.6
20°-30°	101.7	39.3
30°-40°	30.4	11.7
40°-50°	2.3	0.9
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°	226.3	87.4
0°-40°	256.7	99.1
0°-60°	259.0	100.0
0°-90°	259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	259.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	341	341	341	341	341	
5°	336	335	334	333	333	33
15°	335	333	332	330	330	93
25°	230	230	234	233	230	101
35°	34	36	41	37	35	28
45°	1	2	4	2	1	2
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°	340.7	340.7	340.7	340.7	340.7
1°	340.5	340.5	340.1	339.9	340.5
2°	339.5	339.5	338.5	338.3	338.9
3°	337.3	337.1	336.3	335.7	336.1
4°	335.5	335.1	334.5	333.5	333.7
5°	335.5	334.9	334.5	333.1	332.7
6°	337.1	336.7	335.9	334.5	334.1
7°	339.9	339.1	338.3	336.5	336.1
8°	342.9	342.3	340.7	338.9	338.1
9°	345.8	344.5	342.5	340.7	340.5
10°	347.6	345.6	343.5	341.3	341.1
11°	347.4	345.6	343.1	341.1	340.9
12°	346.6	344.1	341.9	339.5	339.7
13°	343.9	341.5	339.3	337.5	337.1
14°	340.1	337.9	335.9	334.1	334.3
15°	335.3	332.9	331.7	330.3	330.5
17.5°	318.4	317.8	318.4	316.8	317.4
20°	297.1	296.5	298.3	297.5	297.3
22.5°	267.5	268.3	271.7	270.7	268.9
25°	229.9	229.9	233.5	233.1	229.9
27.5°	181.0	182.4	184.6	185.6	183.2
30°	126.1	129.3	129.3	131.3	130.3
32.5°	70.4	77.2	78.8	79.7	75.8
35°	34.0	36.2	41.0	37.4	35.0
37.5°	16.3	17.3	22.1	17.9	16.7
40°	8.2	9.3	11.7	9.7	8.4
42.5°	3.4	5.0	6.2	5.0	3.4
45°	0.8	2.0	3.8	2.0	0.6
47.5°	0.0	0.2	1.8	0.4	0.0
50°	0.0	0.0	0.6	0.0	0.0
52.5°	0.0	0.0	0.0	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)