

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: P1320712

Luminaire Tested: LDSQA3D02R25B2750DE010 3LSQPHRL1MMS\_3500K

Issue Date: 1/29/2026

**Test Information**

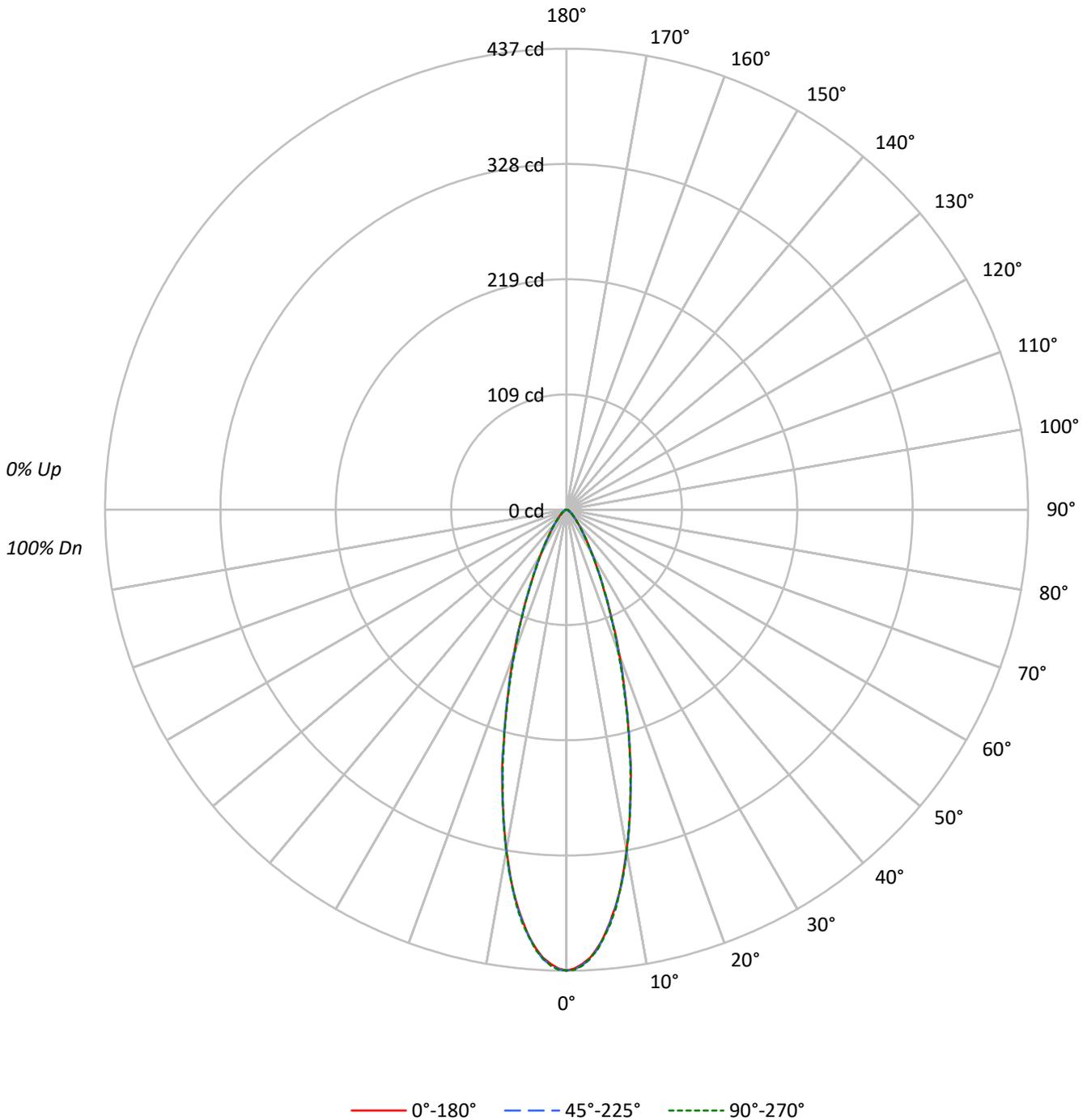
Test Method: LM-79-2019  
Report Number: P1320712  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R25B2750DE010 3LSQPHRL1MMS\_3500K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 80CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 175.0 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	73	78	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	67	63	60	59

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

	0°	45°	90°
0°	75227	75227	75227
5°	70207	70276	70311
10°	57273	57448	57448
15°	40902	41116	40902
20°	26777	26502	26135
25°	15924	16000	15924
30°	9585	9585	9546
35°	5845	5887	5845
40°	3710	3777	3777
45°	2582	2582	2582
50°	1849	1902	1902
55°	1471	1471	1531
60°	1206	1274	1274
65°	1100	1100	1100
70°	906	906	1007
75°	799	799	932
80°	793	793	793
85°	395	395	395

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2582 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.3	20.7
10°-20°	63.3	36.2
20°-30°	39.8	22.7
30°-40°	18.2	10.4
40°-50°	8.5	4.9
50°-60°	4.6	2.6
60°-70°	2.7	1.5
70°-80°	1.4	0.8
80°-90°	0.3	0.2
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°	139.3	79.6
0°-40°	157.5	90.0
0°-60°	170.6	97.5
0°-90°	175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	175.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	437	437	437	437	437	
5°	406	407	406	407	407	36
15°	229	231	231	231	229	63
25°	84	85	84	84	84	40
35°	28	28	28	28	28	18
45°	11	11	11	11	11	8
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	436.8	436.8	436.8	436.8	436.8
1°	434.9	435.3	435.7	436.3	436.1
2°	430.8	431.6	431.8	432.7	432.5
3°	425.3	425.1	426.7	426.7	425.7
4°	416.7	417.1	417.5	418.0	418.2
5°	406.1	406.9	406.5	406.9	406.7
6°	393.0	394.3	394.1	394.5	395.1
7°	379.1	380.0	380.0	379.6	381.2
8°	364.0	363.4	364.4	364.0	363.8
9°	346.1	347.3	347.5	346.5	346.9
10°	327.5	328.3	328.5	329.1	328.5
11°	309.1	309.1	309.5	310.5	308.9
12°	289.1	290.9	289.1	289.9	289.1
13°	270.1	270.5	270.1	269.9	268.4
14°	252.1	250.7	251.1	249.4	249.6
15°	229.4	230.8	230.6	231.0	229.4
17.5°	184.5	185.3	185.1	184.7	182.6
20°	146.1	146.1	144.6	143.8	142.6
22.5°	111.5	111.1	110.5	109.9	110.3
25°	83.8	84.8	84.2	84.2	83.8
27.5°	63.3	64.6	63.5	62.9	63.3
30°	48.2	48.6	48.2	48.0	48.0
32.5°	36.4	36.6	36.4	36.4	36.4
35°	27.8	27.8	28.0	28.0	27.8
37.5°	21.4	21.4	21.4	21.4	21.7
40°	16.5	16.8	16.8	16.8	16.8
42.5°	13.1	13.3	13.3	13.3	13.3
45°	10.6	10.6	10.6	10.6	10.6
47.5°	8.6	8.6	8.6	8.6	8.8
50°	6.9	7.1	7.1	7.1	7.1
52.5°	5.9	5.9	5.9	5.9	5.9
55°	4.9	4.9	4.9	5.1	5.1
57.5°	4.1	4.1	4.3	4.3	4.3
60°	3.5	3.7	3.7	3.7	3.7
62.5°	3.1	3.1	3.3	3.3	3.3
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.2	2.2	2.2	2.2	2.5
70°	1.8	1.8	1.8	2.0	2.0
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.2	1.2	1.2	1.4	1.4
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.4	0.4	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2
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)