

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: P1320806

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHRLD1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

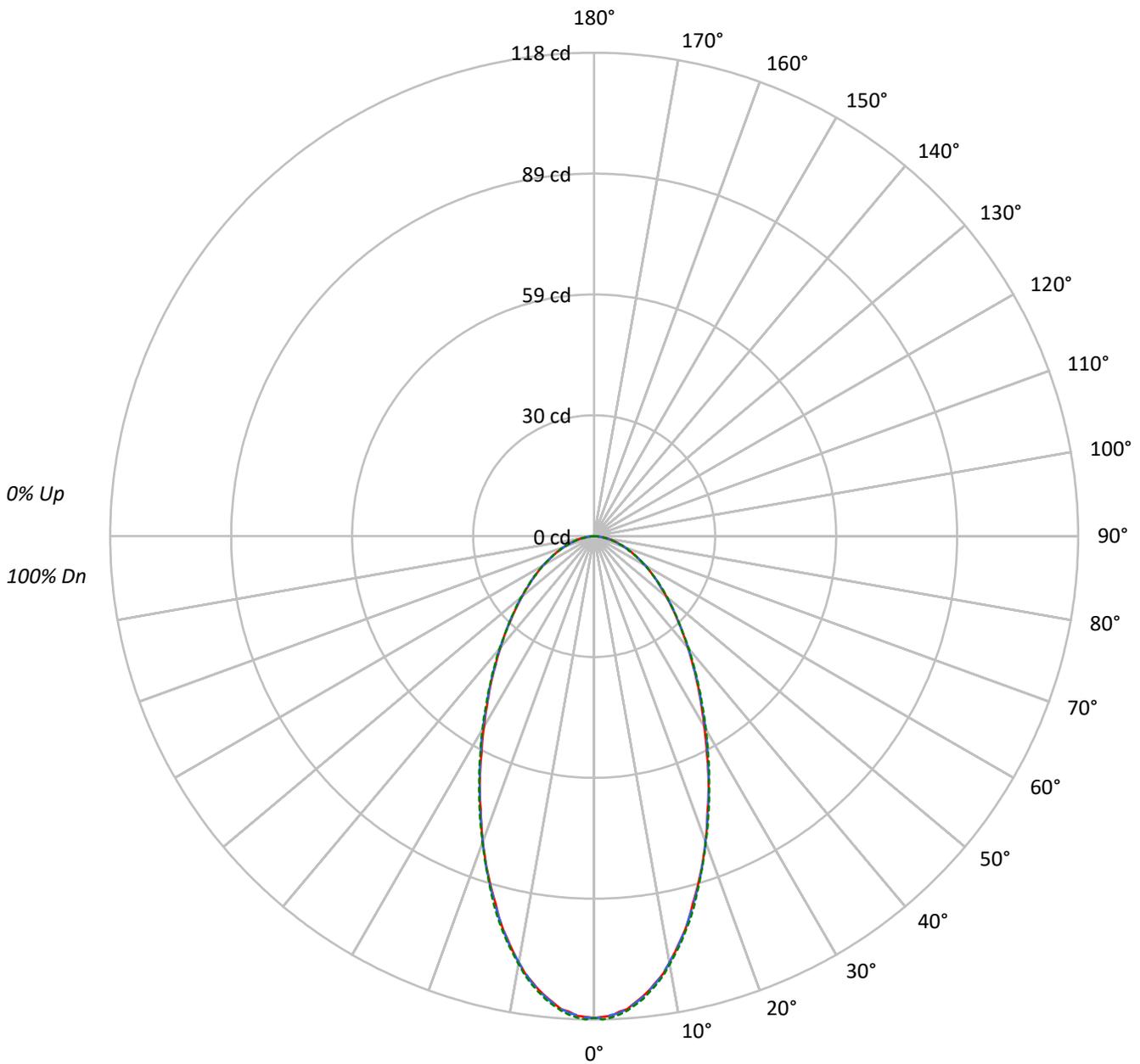
Test Method: LM-79-2019  
Report Number: P1320806  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R30B2750DE010 3LSQPHRLD1MW\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 151.0 lumens  
Efficiency: N/A  
Efficacy: 52.1 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 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



— 0°-180°    - - - 45°-225°    ···· 90°-270°



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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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

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

	0°	45°	90°
0°	20253	20253	20253
5°	19760	19795	19864
10°	18485	18485	18555
15°	16564	16617	16724
20°	14552	14552	14589
25°	12542	12542	12618
30°	10679	10798	10838
35°	9230	9272	9314
40°	7981	8026	8071
45°	6966	7015	7015
50°	6162	6162	6216
55°	5525	5525	5525
60°	4960	4960	4960
65°	4442	4442	4442
70°	3978	3978	3978
75°	3593	3460	3460
80°	3075	2876	2876
85°	1976	1976	1976

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 7015 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.6	7.1
10°-20°	26.0	17.2
20°-30°	30.3	20.1
30°-40°	27.6	18.3
40°-50°	22.3	14.8
50°-60°	16.5	10.9
60°-70°	10.8	7.2
70°-80°	5.6	3.7
80°-90°	1.3	0.8
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°	66.9	44.3
0°-40°	94.6	62.6
0°-60°	133.3	88.3
0°-90°	151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	151.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	118	118	118	118	118	
5°	114	114	114	114	115	11
15°	93	93	93	93	94	26
25°	66	66	66	66	66	30
35°	44	44	44	44	44	27
45°	29	29	29	29	29	22
55°	18	18	18	18	18	17
65°	11	11	11	11	11	11
75°	5	5	5	5	5	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	117.6	117.6	117.6	117.6	117.6
1°	117.4	117.4	117.6	117.4	118.0
2°	117.2	117.0	117.0	117.0	117.6
3°	116.3	116.3	116.6	116.3	117.0
4°	115.7	115.5	115.7	115.5	116.1
5°	114.3	114.3	114.5	114.5	114.9
6°	113.0	113.0	113.2	113.0	113.6
7°	111.5	111.5	111.5	111.5	112.0
8°	109.7	109.7	109.9	109.9	110.3
9°	108.0	107.8	107.8	107.8	108.4
10°	105.7	105.7	105.7	105.7	106.1
11°	103.4	103.4	103.4	103.4	103.8
12°	100.9	100.9	101.1	100.9	101.5
13°	98.6	98.6	98.6	98.6	99.0
14°	95.9	95.7	95.9	95.9	96.5
15°	92.9	93.2	93.2	93.2	93.8
17.5°	86.3	86.3	86.5	86.1	86.5
20°	79.4	79.2	79.4	79.4	79.6
22.5°	72.3	72.5	72.5	72.5	72.9
25°	66.0	65.8	66.0	66.0	66.4
27.5°	59.5	59.7	59.9	59.7	60.2
30°	53.7	54.1	54.3	53.9	54.5
32.5°	48.5	48.5	48.7	48.9	49.1
35°	43.9	43.7	44.1	44.1	44.3
37.5°	39.5	39.5	39.5	39.7	39.9
40°	35.5	35.5	35.7	35.7	35.9
42.5°	32.0	31.7	32.0	32.0	32.0
45°	28.6	28.8	28.8	28.8	28.8
47.5°	25.7	25.7	25.9	25.7	25.9
50°	23.0	23.0	23.0	23.0	23.2
52.5°	20.5	20.5	20.5	20.5	20.7
55°	18.4	18.2	18.4	18.2	18.4
57.5°	16.3	16.3	16.3	16.3	16.3
60°	14.4	14.2	14.4	14.2	14.4
62.5°	12.5	12.5	12.5	12.5	12.5
65°	10.9	10.9	10.9	10.9	10.9
67.5°	9.4	9.4	9.4	9.2	9.2
70°	7.9	7.9	7.9	7.9	7.9
72.5°	6.7	6.5	6.5	6.5	6.5
75°	5.4	5.2	5.2	5.2	5.2
77.5°	4.2	4.2	4.0	4.0	4.2
80°	3.1	2.9	2.9	2.9	2.9
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.2	0.2	0.2	0.4	0.4



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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)