

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: P1320810

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHRLP1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

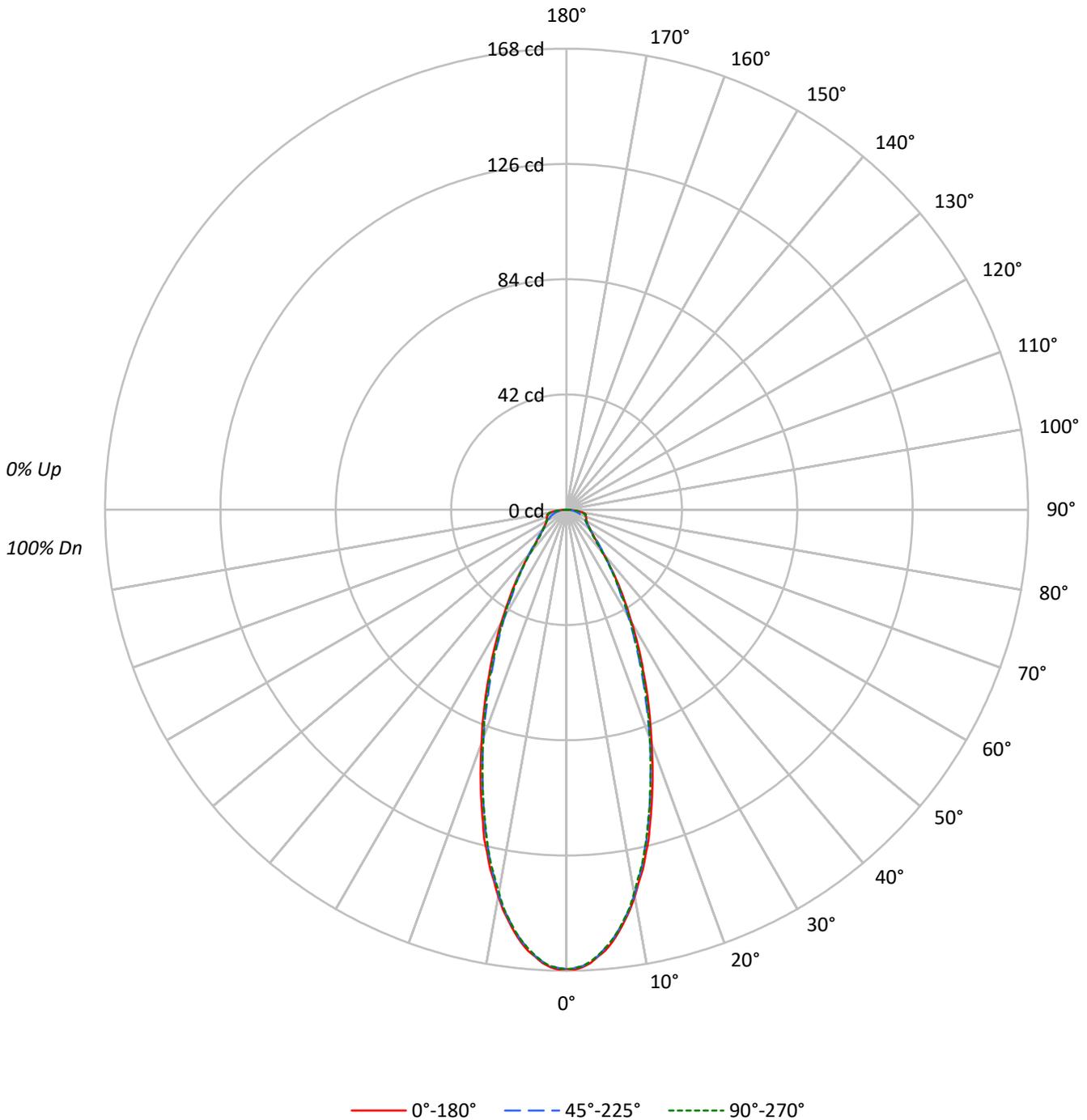
Test Method: LM-79-2019  
Report Number: P1320810  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R30B2750DE010 3LSQPHRLP1MW\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 132.0 lumens  
Efficiency: N/A  
Efficacy: 45.5 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	67	60	55	76	66	59	55	65	59	55	63	58	54	62	57	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43

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

	0°	45°	90°
0°	28830	28830	28830
5°	27886	27747	27747
10°	25025	24885	24780
15°	20986	20647	20611
20°	16568	16220	16220
25°	12675	12181	12409
30°	9406	8929	9128
35°	6791	6497	6539
40°	4676	4766	4541
45°	3507	3653	3337
50°	3028	2974	2974
55°	2852	2732	2792
60°	2928	2721	2859
65°	3219	2730	3138
70°	3777	2769	3676
75°	4858	2928	4724
80°	6050	3174	5653
85°	4742	3162	4347

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 6050 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.8	11.2
10°-20°	32.1	24.3
20°-30°	29.9	22.7
30°-40°	19.8	15.0
40°-50°	11.6	8.7
50°-60°	8.4	6.4
60°-70°	7.1	5.4
70°-80°	5.9	4.5
80°-90°	2.4	1.8
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°	76.8	58.1
0°-40°	96.6	73.2
0°-60°	116.6	88.3
0°-90°	132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	132.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	167	167	167	167	167	
5°	161	161	160	160	160	15
15°	118	116	116	116	116	33
25°	67	66	64	64	65	31
35°	32	32	31	31	31	20
45°	14	15	15	14	14	12
55°	10	9	9	9	9	9
65°	8	7	7	7	8	8
75°	7	6	4	6	7	7
85°	2	3	2	3	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	167.4	167.4	167.4	167.4	167.4
1°	167.6	167.4	167.0	167.2	167.2
2°	166.8	166.6	166.4	166.4	166.4
3°	165.4	165.2	165.0	165.0	165.0
4°	163.3	163.1	163.1	162.9	162.9
5°	161.3	161.1	160.5	160.5	160.5
6°	158.5	158.3	157.9	157.7	157.7
7°	155.1	155.1	154.5	154.2	154.5
8°	151.4	151.2	150.8	150.6	150.6
9°	147.6	147.0	147.0	146.4	146.8
10°	143.1	142.7	142.3	141.9	141.7
11°	138.1	137.9	137.3	136.9	136.7
12°	133.8	132.8	132.4	131.8	132.2
13°	128.4	127.8	126.8	126.6	126.8
14°	123.7	122.5	121.7	121.3	121.1
15°	117.7	116.4	115.8	115.6	115.6
17.5°	104.1	103.3	101.7	101.7	101.7
20°	90.4	89.6	88.5	88.3	88.5
22.5°	78.4	77.0	75.4	75.6	76.8
25°	66.7	65.5	64.1	64.3	65.3
27.5°	56.8	55.2	53.8	54.2	54.8
30°	47.3	46.3	44.9	45.3	45.9
32.5°	39.2	38.6	37.0	37.4	38.0
35°	32.3	31.7	30.9	31.1	31.1
37.5°	25.9	25.9	25.7	25.5	25.3
40°	20.8	21.2	21.2	20.6	20.2
42.5°	17.0	17.4	17.8	17.0	16.4
45°	14.4	14.6	15.0	14.2	13.7
47.5°	12.5	12.5	12.9	12.3	12.1
50°	11.3	11.3	11.1	10.9	11.1
52.5°	10.3	10.1	9.9	10.1	10.1
55°	9.5	9.3	9.1	9.3	9.3
57.5°	8.9	8.7	8.5	8.5	8.7
60°	8.5	8.1	7.9	8.1	8.3
62.5°	8.1	7.5	7.3	7.5	7.9
65°	7.9	7.1	6.7	7.1	7.7
67.5°	7.7	6.7	6.1	6.7	7.5
70°	7.5	6.3	5.5	6.3	7.3
72.5°	7.3	5.9	5.1	5.9	7.3
75°	7.3	5.5	4.4	5.5	7.1
77.5°	6.9	5.1	3.8	5.1	6.7
80°	6.1	4.6	3.2	4.4	5.7
82.5°	4.4	4.0	2.4	3.8	4.2
85°	2.4	2.8	1.6	2.6	2.2
87.5°	0.4	0.6	0.4	1.2	0.8



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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)