

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: P1320601

Luminaire Tested: LDSQA3D02R20B2750DE010 3LSQCDR1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

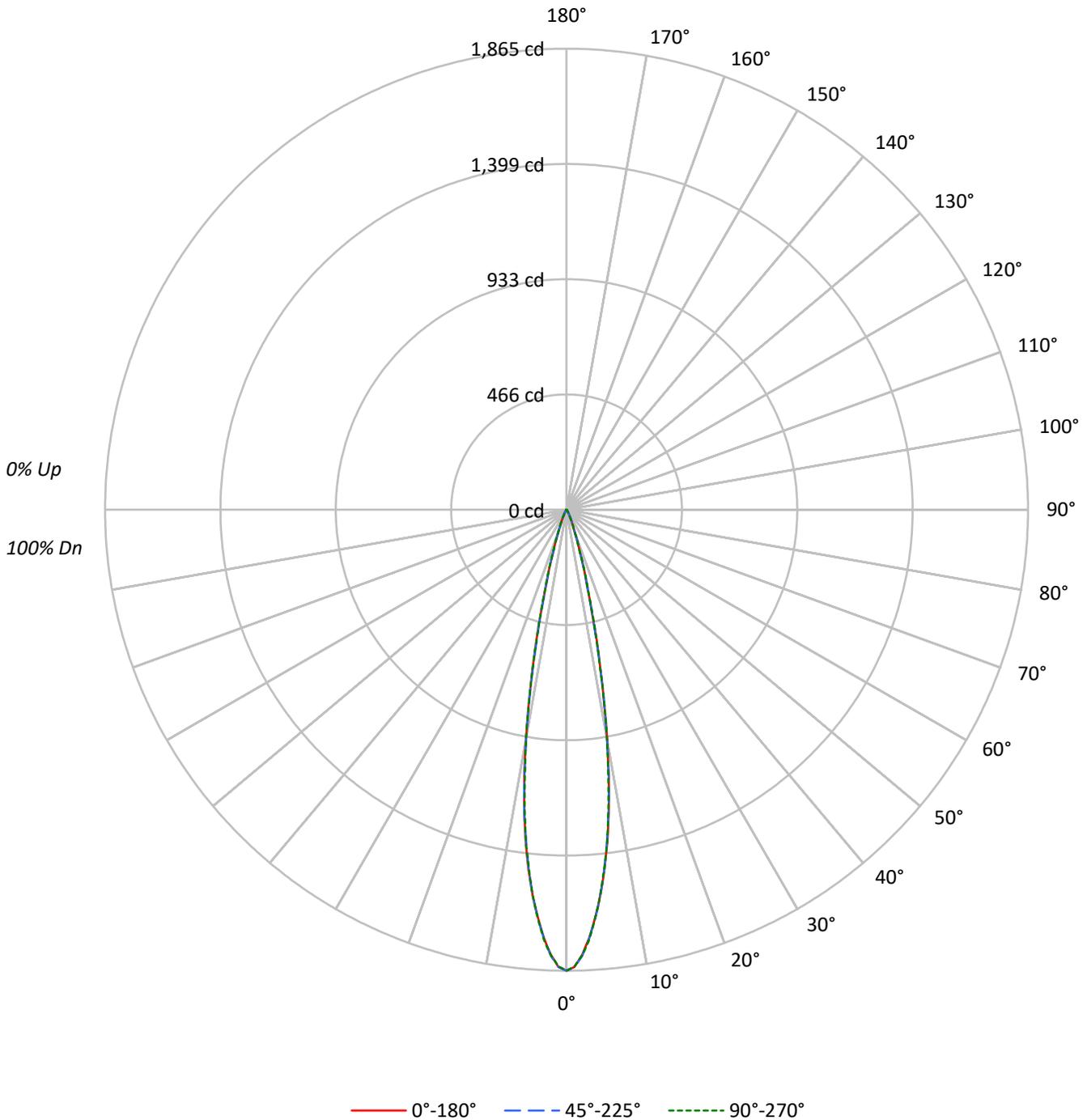
Test Method: LM-79-2019  
Report Number: P1320601  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R20B2750DE010 3LSQCDR1MW\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 257.0 lumens  
Efficiency: N/A  
Efficacy: 88.6 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	95	
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	93	
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	91	
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	89	
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	87	
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	86	
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	84	
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	83	
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	81	

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

	0°	45°	90°
0°	321178	321178	321178
5°	270714	270817	270679
10°	164964	164194	164579
15°	58107	58357	60158
20°	18254	18767	18364
25°	6841	7487	7031
30°	2645	3759	2764
35°	1009	1682	1093
40°	540	719	540
45°	195	341	244
50°	107	161	107
55°	120	120	120
60°	69	69	69
65°	82	82	82
70°	101	101	101
75°	0	0	133
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 341 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.5	50.4
10°-20°	101.5	39.5
20°-30°	19.9	7.8
30°-40°	4.5	1.7
40°-50°	1.0	0.4
50°-60°	0.3	0.1
60°-70°	0.2	0.1
70°-80°	0.1	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°	250.9	97.6
0°-40°	255.4	99.4
0°-60°	256.7	99.9
0°-90°	257.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	257.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1865	1865	1865	1865	1865	
5°	1566	1567	1566	1572	1566	130
15°	326	327	327	334	337	101
25°	36	38	39	39	37	19
35°	5	6	8	6	5	4
45°	1	1	1	1	1	1
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°	1864.9	1864.9	1864.9	1864.9	1864.9
1°	1849.8	1845.9	1850.4	1846.8	1847.6
2°	1801.9	1799.7	1805.7	1801.9	1803.9
3°	1735.3	1732.5	1736.9	1737.1	1742.7
4°	1655.8	1650.4	1657.0	1657.2	1658.1
5°	1565.9	1567.3	1566.5	1571.8	1565.7
6°	1464.9	1469.4	1463.5	1466.5	1457.9
7°	1351.9	1346.2	1343.2	1344.2	1350.1
8°	1227.3	1223.3	1227.7	1221.5	1217.3
9°	1088.7	1081.7	1086.5	1080.5	1074.5
10°	943.3	940.1	938.9	932.2	941.1
11°	797.6	788.0	792.8	789.4	799.1
12°	661.2	661.9	652.6	655.6	656.8
13°	538.1	525.3	526.9	535.1	536.5
14°	417.4	419.2	419.8	425.5	428.9
15°	325.9	327.3	327.3	334.5	337.4
17.5°	174.8	174.8	178.6	179.4	179.8
20°	99.6	100.2	102.4	102.2	100.2
22.5°	59.7	60.8	62.0	60.8	59.7
25°	36.0	38.4	39.4	38.8	37.0
27.5°	21.5	24.1	26.8	24.7	21.3
30°	13.3	14.7	18.9	15.1	13.9
32.5°	7.4	9.5	12.9	9.9	7.6
35°	4.8	5.8	8.0	5.8	5.2
37.5°	3.4	4.0	5.0	4.2	3.6
40°	2.4	2.8	3.2	3.0	2.4
42.5°	1.6	2.0	2.2	2.0	1.6
45°	0.8	1.2	1.4	1.2	1.0
47.5°	0.4	0.6	1.0	0.6	0.4
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.2	0.4	0.2
60°	0.2	0.2	0.2	0.2	0.2
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.2
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)