

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: P1320635

Luminaire Tested: LDSQA3D02R20B2750DE010 3LSQPHRLD1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

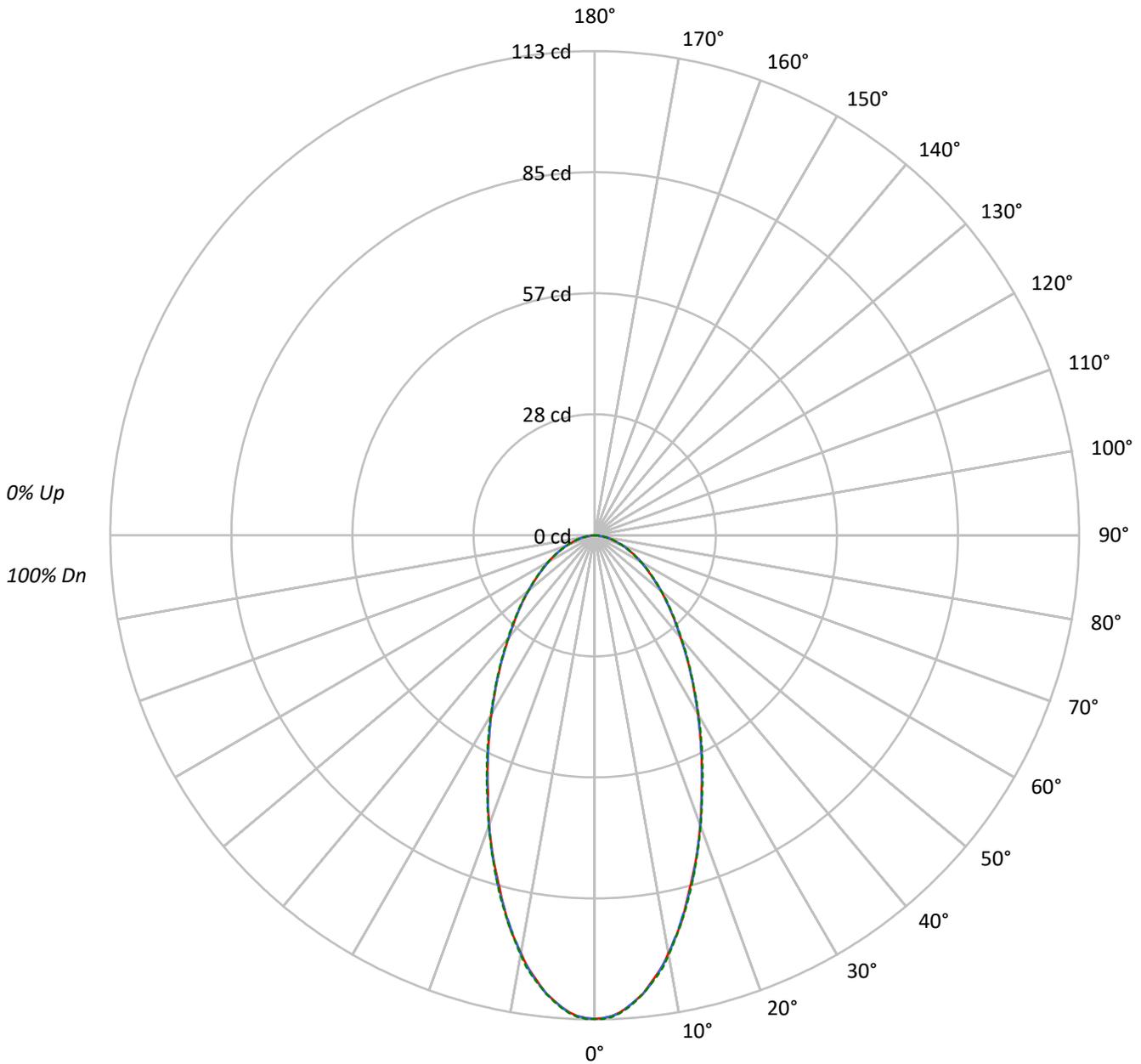
Test Method: LM-79-2019  
Report Number: P1320635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R20B2750DE010 3LSQPHRLD1MW\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 135.0 lumens  
Efficiency: N/A  
Efficacy: 46.6 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
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

TEST NUMBER: P1320635  
CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQPHRLD1MW\_2700K

### Luminous Intensity Polar Plot



0% Up  
100% Dn

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



TEST NUMBER: P1320635

CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQPHRLD1MW\_2700K

**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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

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

	0°	45°	90°
0°	19444	19444	19444
5°	18844	18844	18879
10°	17313	17348	17383
15°	15244	15316	15351
20°	13196	13196	13232
25°	11231	11231	11307
30°	9585	9546	9625
35°	8179	8179	8221
40°	7014	7014	7059
45°	6138	6138	6186
50°	5412	5412	5412
55°	4774	4774	4834
60°	4306	4306	4306
65°	3871	3871	3871
70°	3474	3474	3474
75°	3061	2928	3061
80°	2579	2579	2579
85°	1581	1581	1976

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 6186 cd/sqm



TEST NUMBER: P1320635

CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQPHRLD1MW\_2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.1	7.5
10°-20°	23.9	17.7
20°-30°	27.2	20.2
30°-40°	24.4	18.1
40°-50°	19.6	14.5
50°-60°	14.4	10.6
60°-70°	9.4	7.0
70°-80°	4.9	3.6
80°-90°	1.1	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
<hr/>		
0°-30°	61.2	45.3
0°-40°	85.6	63.4
0°-60°	119.6	88.6
0°-90°	135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	135.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	113	113	113	113	113	
5°	109	109	109	109	109	10
15°	86	86	86	86	86	24
25°	59	59	59	59	60	27
35°	39	39	39	39	39	24
45°	25	25	25	25	25	20
55°	16	16	16	16	16	14
65°	10	9	10	10	10	9
75°	5	4	4	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1320635  
 CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQPHRLD1MW\_2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	112.9	112.9	112.9	112.9	112.9
1°	112.7	112.5	112.7	112.7	112.9
2°	112.3	112.3	112.3	112.1	112.5
3°	111.5	111.5	111.7	111.5	111.7
4°	110.4	110.4	110.4	110.2	110.6
5°	109.0	109.0	109.0	109.0	109.2
6°	107.6	107.4	107.6	107.4	107.6
7°	105.6	105.6	105.8	105.6	105.8
8°	103.6	103.4	103.8	103.6	104.0
9°	101.6	101.4	101.6	101.4	102.0
10°	99.0	99.2	99.2	99.2	99.4
12.5°	92.9	92.5	92.5	92.5	92.9
15°	85.5	85.5	85.9	85.9	86.1
17.5°	78.8	78.6	79.0	79.0	79.0
20°	72.0	71.8	72.0	72.0	72.2
22.5°	65.1	65.3	65.3	65.3	65.5
25°	59.1	59.1	59.1	59.3	59.5
27.5°	53.4	53.2	53.4	53.6	53.8
30°	48.2	48.0	48.0	48.2	48.4
32.5°	43.3	43.1	43.3	43.3	43.5
35°	38.9	38.9	38.9	38.9	39.1
37.5°	34.9	34.9	34.9	35.1	35.1
40°	31.2	31.2	31.2	31.4	31.4
42.5°	28.0	28.0	28.0	28.2	28.4
45°	25.2	25.2	25.2	25.2	25.4
47.5°	22.6	22.6	22.6	22.8	22.8
50°	20.2	20.0	20.2	20.4	20.2
52.5°	17.9	17.9	17.9	17.9	18.1
55°	15.9	15.9	15.9	15.9	16.1
57.5°	14.1	14.1	14.1	14.3	14.3
60°	12.5	12.5	12.5	12.5	12.5
62.5°	10.9	10.9	10.9	10.9	10.9
65°	9.5	9.3	9.5	9.5	9.5
67.5°	8.1	8.1	8.1	8.1	8.1
70°	6.9	6.9	6.9	6.9	6.9
72.5°	5.6	5.6	5.6	5.6	5.6
75°	4.6	4.4	4.4	4.6	4.6
77.5°	3.6	3.4	3.6	3.6	3.6
80°	2.6	2.6	2.6	2.6	2.6
82.5°	1.6	1.6	1.6	1.8	1.8
85°	0.8	0.8	0.8	1.0	1.0
87.5°	0.2	0.2	0.2	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)