

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: P1320818

Luminaire Tested: LDSQA3D02R35B2750DE010 3LSQCA30R 1MB\_4000K

Issue Date: 1/29/2026

**Test Information**

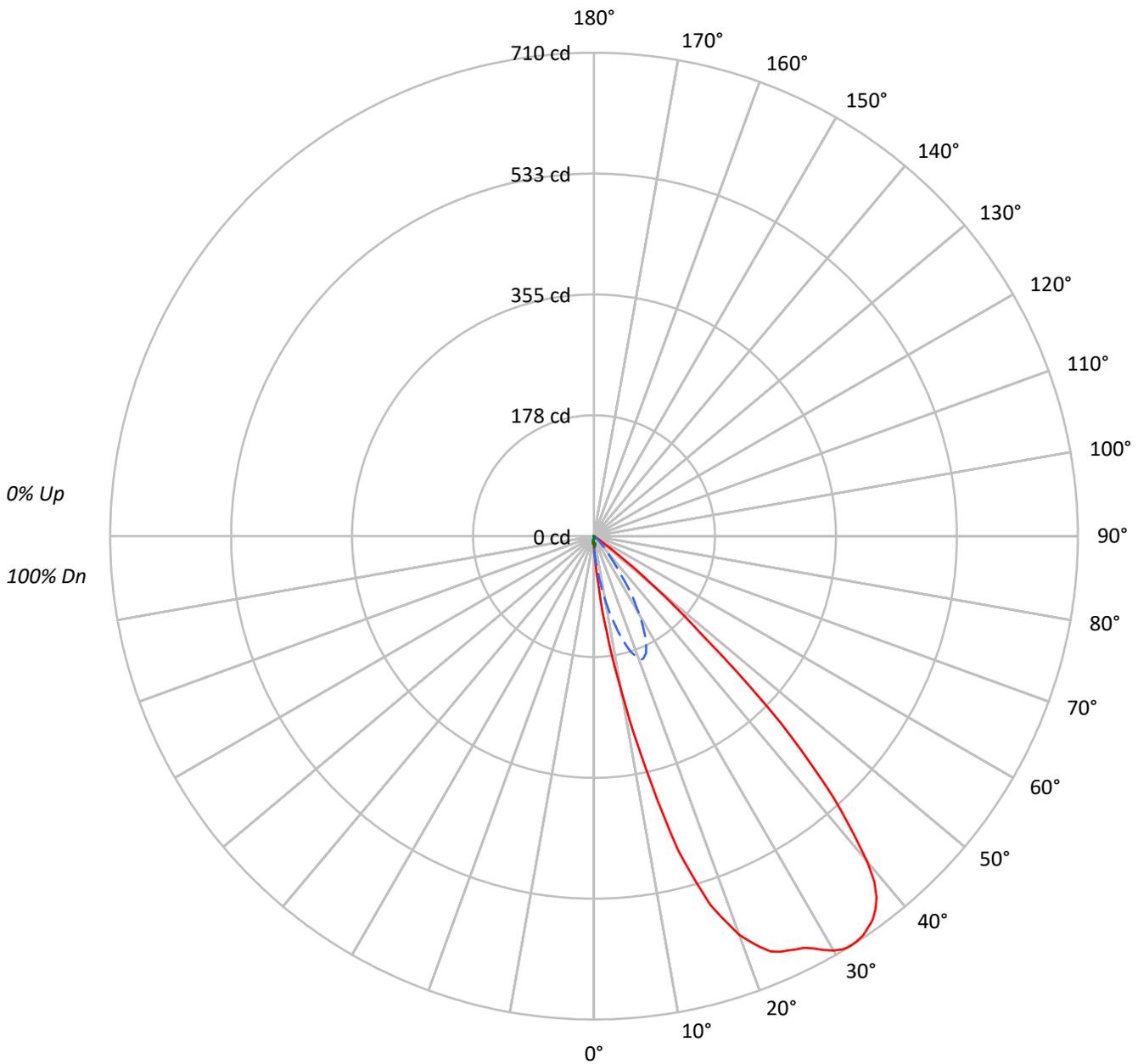
Test Method: LM-79-2019  
Report Number: P1320818  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R35B2750DE010 3LSQCA30R 1MB\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 80CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 212.0 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29  
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: P1320818  
CATALOG NUMBER: LDSQA3D02R35B2750DE010 3LSQCA30R 1MB\_4000K

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1320818  
 CATALOG NUMBER: LDSQA3D02R35B2750DE010 3LSQCA30R 1MB\_4000K

**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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	2756	2756	2756	2756	2756
5°	11963	7417	2559	916	622
10°	40257	16736	1906	210	70
15°	85173	27440	1195	0	0
20°	114199	35061	550	0	0
25°	127641	34433	114	0	0
30°	139723	26389	0	0	0
35°	147466	14381	0	0	0
40°	140176	6452	0	0	0
45°	94087	2850	0	0	0
50°	31428	268	0	0	0
55°	1711	0	0	0	0
60°	0	0	69	0	0
65°	0	0	163	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	0	0
85°	0	395	790	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 94087 cd/sqm



TEST NUMBER: P1320818

CATALOG NUMBER: LDSQA3D02R35B2750DE010 3LSQCA30R 1MB\_4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.4	1.6
10°-20°	29.4	13.9
20°-30°	64.5	30.4
30°-40°	74.6	35.2
40°-50°	36.8	17.4
50°-60°	2.7	1.3
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.1	0.1
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°	97.4	45.9
0°-40°	172.0	81.2
0°-60°	211.6	99.8
0°-90°	212.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	212.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	16	16	16	16	16	
5°	69	43	15	5	4	12
15°	478	154	7	0	0	135
25°	672	181	1	0	0	311
35°	701	68	0	0	0	433
45°	386	12	0	0	0	284
55°	6	0	0	0	0	23
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	



TEST NUMBER: P1320818  
 CATALOG NUMBER: LDSQA3D02R35B2750DE010 3LSQCA30R 1MB\_4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
2.5°	31.8	32.6	32.2	32.2	32.0	30.9	29.1	28.5	26.3	20.8	16.2
5°	69.2	69.4	68.8	65.7	63.1	60.7	55.4	53.0	42.9	25.5	14.8
7.5°	140.4	137.3	133.5	129.2	119.9	111.4	100.3	88.6	66.3	29.5	13.1
10°	230.2	225.9	222.7	212.6	195.8	178.4	157.1	137.9	95.7	32.4	10.9
12.5°	346.0	343.6	332.1	311.9	287.0	261.9	224.9	194.4	125.2	33.0	8.9
15°	477.7	473.7	456.1	427.3	393.6	354.1	304.6	253.2	153.9	31.1	6.7
17.5°	567.7	565.5	550.3	520.2	481.3	431.2	372.5	308.4	177.6	27.3	4.7
20°	623.1	619.9	605.7	580.2	539.6	487.2	417.6	343.6	191.3	22.4	3.0
21°	637.5	634.2	622.9	596.4	557.6	501.4	430.0	352.1	194.0	20.2	2.4
22°	651.0	647.8	635.9	612.4	574.0	515.3	439.7	358.6	193.6	18.4	1.8
23°	662.4	658.9	647.2	625.6	586.9	527.7	447.0	361.8	190.9	16.6	1.4
24°	668.2	666.2	655.7	635.3	597.4	536.4	452.0	363.0	187.7	14.8	1.0
25°	671.7	669.2	658.9	640.1	604.3	543.2	455.3	362.0	181.2	13.1	0.6
26°	675.3	671.7	659.9	641.7	608.0	546.5	455.5	359.4	174.3	11.7	0.2
27°	678.5	675.1	663.0	642.9	608.6	545.5	453.8	354.3	166.0	10.3	0.2
28°	685.6	681.8	667.8	645.6	609.2	542.8	448.8	347.5	155.1	9.1	0.0
29°	694.9	690.9	674.9	651.8	610.6	540.0	441.9	338.4	145.6	8.1	0.0
30°	702.6	699.0	684.2	659.7	614.2	537.4	433.8	326.0	132.7	6.9	0.0
31°	708.3	704.6	691.1	666.4	617.5	534.9	423.7	313.3	120.9	6.1	0.0
32°	709.7	706.7	693.9	669.2	617.5	531.3	414.4	298.9	109.4	5.1	0.0
33°	709.1	706.0	693.1	667.2	612.0	522.6	403.1	281.7	96.3	4.4	0.0
34°	706.9	703.2	689.5	660.7	601.3	507.8	386.7	264.5	82.5	3.6	0.0
35°	701.4	698.2	683.2	648.6	584.7	485.4	364.9	244.7	68.4	3.0	0.0
36°	696.1	691.3	672.9	633.6	562.9	462.3	338.8	221.9	56.2	2.4	0.0
37°	686.4	679.6	660.9	612.0	531.9	429.8	309.0	196.8	47.1	1.8	0.0
38°	673.5	664.2	640.5	586.9	500.8	399.2	281.1	174.1	39.6	1.2	0.0
39°	653.5	642.5	610.4	552.5	464.8	363.8	249.2	150.1	33.8	0.8	0.0
40°	623.5	613.2	577.6	511.7	429.0	324.8	216.4	123.0	28.7	0.4	0.0
42.5°	519.2	505.0	463.8	398.2	317.1	233.6	143.2	68.4	19.0	0.0	0.0
45°	386.3	373.8	333.3	273.6	211.3	143.0	76.7	40.2	11.7	0.0	0.0
47.5°	218.2	216.8	190.5	157.1	117.9	76.0	38.8	24.3	5.1	0.0	0.0
50°	117.3	110.0	94.9	72.0	49.1	33.2	21.0	13.3	1.0	0.0	0.0
52.5°	42.9	41.5	34.8	28.9	22.2	15.2	10.7	5.9	0.0	0.0	0.0
55°	5.7	5.3	5.5	5.9	6.1	5.3	3.4	1.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.4	0.0	0.0	0.0	0.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4



TEST NUMBER: P1320818

CATALOG NUMBER: LDSQA3D02R35B2750DE010 3LSQCA30R 1MB\_4000K

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1320818  
 CATALOG NUMBER: LDSQA3D02R35B2750DE010 3LSQA30R 1MB\_4000K

**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
0°	16.0	16.0	16.0	16.0
2.5°	12.3	9.5	8.1	7.9
5°	8.5	5.3	3.8	3.6
7.5°	5.9	2.6	1.8	1.6
10°	3.4	1.2	0.6	0.4
12.5°	2.0	0.2	0.0	0.0
15°	0.6	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.2	0.0	0.0	0.0
67.5°	0.2	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.0
72.5°	0.2	0.0	0.0	0.0
75°	0.2	0.0	0.0	0.0
77.5°	0.2	0.0	0.0	0.0
80°	0.2	0.0	0.0	0.0



TEST NUMBER: P1320818  
CATALOG NUMBER: LDSQA3D02R35B2750DE010 3LSQCA30R 1MB\_4000K

**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.2	0.0	0.0	0.0
85°	0.2	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)