

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: P1320903

Luminaire Tested: LDSQA3D02R40B2750DE010 3LSQCA30R 1MB\_4000K

Issue Date: 1/29/2026

**Test Information**

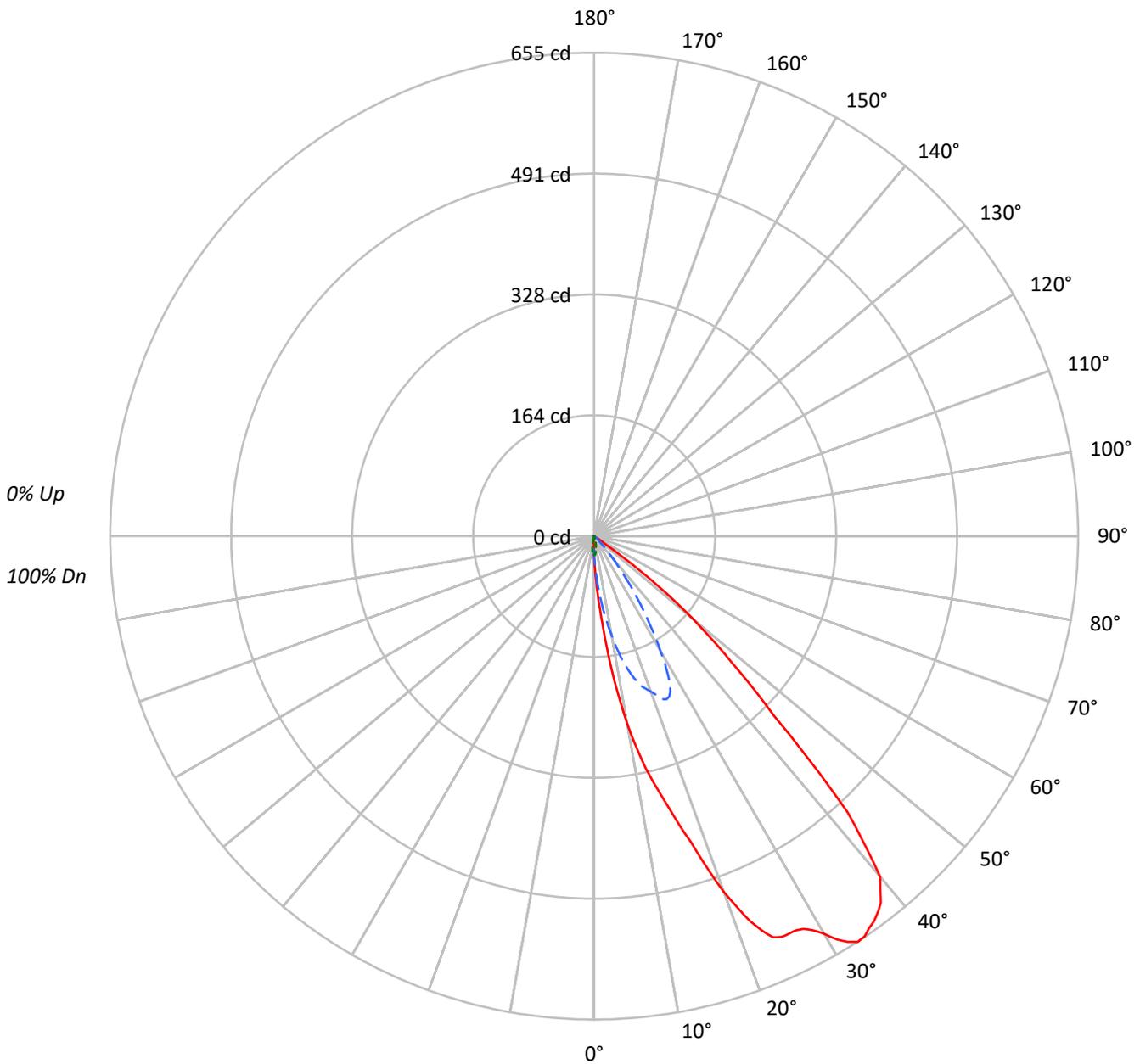
Test Method: LM-79-2019  
Report Number: P1320903  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R40B2750DE010 3LSQCA30R 1MB\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 80CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 220.0 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23  
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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	4426	4426	4426	4426	4426
5°	18809	12828	3890	709	346
10°	45206	23854	2413	70	0
15°	66541	34643	1016	0	0
20°	94057	41072	367	0	0
25°	113921	45587	0	0	0
30°	123694	35657	0	0	0
35°	136386	20877	0	0	0
40°	135365	8476	0	0	0
45°	83833	2460	0	0	0
50°	46674	54	0	0	0
55°	4564	0	0	0	0
60°	0	0	69	0	0
65°	0	0	82	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: 5°  
 Vertical Angle: 45°  
 Luminance: 84247 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.8	2.2
10°-20°	28.4	12.9
20°-30°	64.7	29.4
30°-40°	76.4	34.7
40°-50°	40.8	18.6
50°-60°	4.4	2.0
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°	97.9	44.5
0°-40°	174.3	79.2
0°-60°	219.6	99.8
0°-90°	220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	220.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	109	74	22	4	2	15
15°	373	194	6	0	0	111
25°	600	240	0	0	0	272
35°	649	99	0	0	0	401
45°	344	10	0	0	0	284
55°	15	0	0	0	0	43
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°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
2.5°	60.0	58.8	59.6	57.9	57.9	54.3	54.5	51.5	47.0	35.9	25.5
5°	108.8	113.7	109.8	104.7	101.9	98.3	93.4	88.3	74.2	44.8	22.5
7.5°	182.1	181.7	175.3	169.8	163.5	153.8	144.7	132.3	105.6	51.3	18.6
10°	258.5	257.1	249.8	245.2	233.2	219.2	200.6	180.7	136.4	53.5	13.8
12.5°	322.1	320.3	314.2	306.3	293.2	275.5	255.5	229.4	168.8	51.1	8.9
15°	373.2	372.8	366.9	356.2	342.4	325.2	302.5	271.1	194.3	44.8	5.7
17.5°	433.8	436.2	425.7	414.1	394.3	370.2	342.4	306.5	213.1	37.1	3.6
20°	513.2	509.8	500.0	483.2	464.2	435.2	395.9	344.6	224.1	28.8	2.0
21°	537.5	536.1	526.0	510.4	489.3	459.9	419.4	364.1	229.1	25.7	1.6
22°	562.2	559.8	551.9	536.7	516.9	483.6	439.1	384.1	235.6	22.5	1.0
23°	580.7	579.7	573.6	558.6	538.1	505.9	460.3	402.8	240.1	19.5	0.6
24°	594.9	593.6	587.6	576.2	558.6	525.0	481.8	422.8	241.9	16.8	0.2
25°	599.5	600.1	596.5	587.6	572.8	539.1	497.8	438.6	239.9	14.4	0.0
26°	599.7	601.5	598.9	593.8	581.7	550.5	512.8	448.0	234.6	12.2	0.0
27°	599.7	601.5	598.9	595.1	583.1	557.0	520.9	449.0	226.5	10.3	0.0
28°	602.6	603.6	600.1	595.5	582.5	559.0	523.1	442.9	213.5	8.9	0.0
29°	610.5	609.4	603.8	597.5	581.9	559.0	516.4	431.4	197.3	7.5	0.0
30°	622.0	622.0	613.1	603.2	584.7	558.8	505.7	410.5	179.3	6.1	0.0
31°	637.6	636.2	627.3	612.5	590.8	558.8	489.9	387.4	162.7	5.3	0.0
32°	648.1	647.3	638.8	621.4	600.7	558.8	472.9	361.9	144.7	4.3	0.0
33°	655.4	653.8	644.1	626.1	606.8	556.0	453.8	334.5	128.5	3.4	0.0
34°	654.4	654.0	643.9	625.2	605.6	544.2	431.8	304.1	113.5	2.8	0.0
35°	648.7	648.7	636.4	617.1	596.9	527.0	409.9	278.2	99.3	2.0	0.0
36°	644.5	642.9	628.9	607.4	582.3	499.8	377.5	252.0	84.1	1.6	0.0
37°	638.2	635.2	619.6	596.5	561.6	470.5	343.4	228.7	71.1	1.0	0.0
38°	630.1	625.4	606.4	583.7	538.9	436.6	308.8	202.6	59.2	0.6	0.0
39°	615.3	611.5	591.8	567.3	511.8	401.0	275.1	178.1	47.8	0.2	0.0
40°	602.1	595.5	573.2	545.0	480.0	360.6	241.7	154.0	37.7	0.0	0.0
42.5°	507.7	500.6	495.6	467.6	382.3	258.9	168.8	98.7	19.7	0.0	0.0
45°	344.2	345.9	330.0	311.2	252.2	168.8	105.6	54.9	10.1	0.0	0.0
47.5°	251.0	246.8	225.3	189.6	147.9	98.7	55.1	26.5	4.1	0.0	0.0
50°	174.2	166.1	146.7	119.9	80.4	47.0	24.3	12.4	0.2	0.0	0.0
52.5°	94.6	88.9	75.4	54.7	33.4	18.0	9.7	5.1	0.0	0.0	0.0
55°	15.2	10.5	10.9	9.3	7.3	5.3	3.0	0.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	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	0.2
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	0.2	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	0.2	0.2	0.4	0.4



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**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	0.2	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	0.2	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



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
0°	25.7	25.7	25.7	25.7
2.5°	17.2	11.8	8.9	7.7
5°	9.9	4.1	2.2	2.0
7.5°	4.9	1.4	0.8	0.8
10°	2.0	0.4	0.0	0.0
12.5°	0.6	0.0	0.0	0.0
15°	0.0	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



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**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)