

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: P1320905

Luminaire Tested: LDSQA3D02R40B2750DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320905
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 1MMS_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

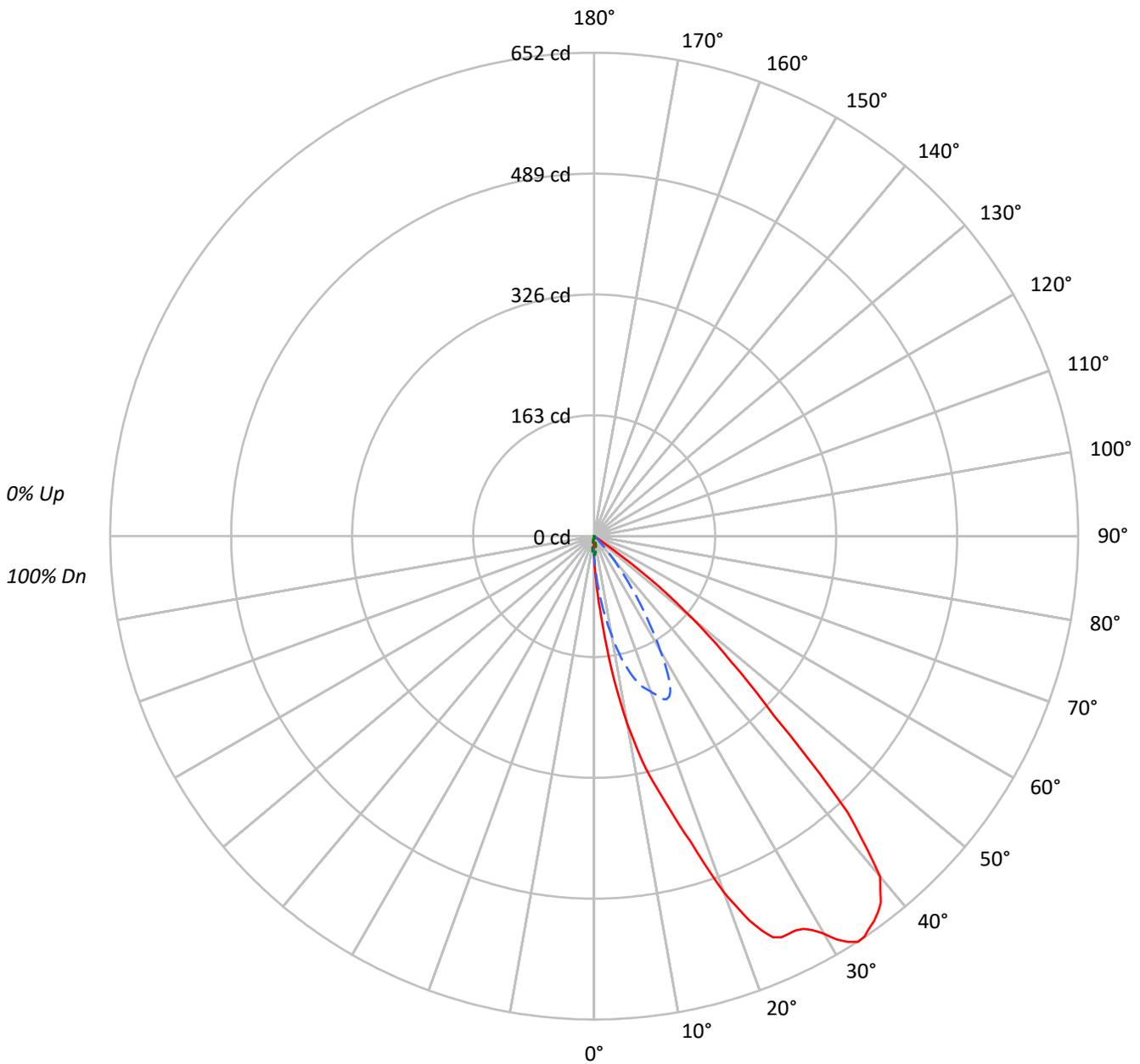
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 219.0 lumens
Efficiency: N/A
Efficacy: 75.5 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	83
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	82	79	74
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	64	59	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	49
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	55	50	44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	51	45	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4409	4409	4409	4409	4409
5°	18723	12759	3873	692	346
10°	45014	23731	2396	70	0
15°	66238	34483	998	0	0
20°	93635	40889	367	0	0
25°	113408	45378	0	0	0
30°	123138	35498	0	0	0
35°	135776	20772	0	0	0
40°	134758	8431	0	0	0
45°	83468	2460	0	0	0
50°	46486	54	0	0	0
55°	4534	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: 83858 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	2.2
10°-20°	28.2	12.9
20°-30°	64.4	29.4
30°-40°	76.1	34.7
40°-50°	40.7	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°	97.5	44.5
0°-40°	173.5	79.2
0°-60°	218.6	99.8
0°-90°	219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	219.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	108	74	22	4	2	15
15°	372	193	6	0	0	110
25°	597	239	0	0	0	271
35°	646	99	0	0	0	399
45°	343	10	0	0	0	283
55°	15	0	0	0	0	42
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°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
2.5°	59.7	58.5	59.3	57.7	57.7	54.1	54.3	51.2	46.8	35.7	25.4
5°	108.3	113.1	109.3	104.3	101.4	97.8	93.0	87.9	73.8	44.6	22.4
7.5°	181.3	180.9	174.5	169.0	162.8	153.1	144.0	131.7	105.1	51.0	18.6
10°	257.4	255.9	248.7	244.0	232.1	218.2	199.7	179.9	135.7	53.2	13.7
12.5°	320.7	318.9	312.8	305.0	291.8	274.3	254.3	228.3	168.0	50.8	8.9
15°	371.5	371.1	365.3	354.6	340.9	323.7	301.1	269.9	193.4	44.6	5.6
17.5°	431.8	434.2	423.7	412.2	392.5	368.5	340.9	305.2	212.2	36.9	3.6
20°	510.9	507.4	497.8	481.0	462.1	433.2	394.1	343.1	223.1	28.6	2.0
21°	535.1	533.7	523.6	508.0	487.1	457.8	417.5	362.4	228.1	25.6	1.6
22°	559.7	557.3	549.4	534.3	514.5	481.4	437.1	382.4	234.6	22.4	1.0
23°	578.0	577.0	571.0	556.0	535.7	503.6	458.2	401.0	239.0	19.4	0.6
24°	592.2	590.9	584.9	573.6	556.0	522.6	479.6	420.9	240.8	16.7	0.2
25°	596.8	597.4	593.8	584.9	570.2	536.7	495.5	436.7	238.8	14.3	0.0
26°	597.0	598.8	596.2	591.1	579.0	548.0	510.5	445.9	233.6	12.1	0.0
27°	597.0	598.8	596.2	592.4	580.5	554.4	518.5	446.9	225.5	10.3	0.0
28°	599.8	600.8	597.4	592.8	579.8	556.5	520.8	440.9	212.6	8.9	0.0
29°	607.7	606.7	601.0	594.8	579.2	556.5	514.1	429.4	196.4	7.5	0.0
30°	619.2	619.2	610.3	600.4	582.1	556.3	503.4	408.6	178.5	6.1	0.0
31°	634.7	633.3	624.4	609.7	588.1	556.3	487.7	385.6	162.0	5.2	0.0
32°	645.2	644.4	635.9	618.6	598.0	556.3	470.7	360.2	144.0	4.2	0.0
33°	652.5	650.8	641.2	623.2	604.1	553.4	451.8	333.0	127.9	3.4	0.0
34°	651.4	651.0	641.0	622.4	602.8	541.7	429.8	302.7	112.9	2.8	0.0
35°	645.8	645.8	633.5	614.3	594.2	524.6	408.0	276.9	98.8	2.0	0.0
36°	641.6	640.0	626.0	604.7	579.6	497.6	375.7	250.9	83.7	1.6	0.0
37°	635.3	632.3	616.8	593.8	559.1	468.3	341.9	227.7	70.8	1.0	0.0
38°	627.2	622.6	603.6	581.1	536.5	434.6	307.4	201.7	58.9	0.6	0.0
39°	612.5	608.7	589.1	564.7	509.5	399.1	273.9	177.3	47.6	0.2	0.0
40°	599.4	592.8	570.6	542.5	477.8	359.0	240.6	153.3	37.5	0.0	0.0
42.5°	505.4	498.4	493.3	465.5	380.6	257.8	168.0	98.2	19.6	0.0	0.0
45°	342.7	344.3	328.5	309.8	251.1	168.0	105.1	54.7	10.1	0.0	0.0
47.5°	249.9	245.7	224.3	188.8	147.2	98.2	54.9	26.4	4.0	0.0	0.0
50°	173.5	165.4	146.0	119.4	80.1	46.8	24.2	12.3	0.2	0.0	0.0
52.5°	94.2	88.5	75.0	54.5	33.3	18.0	9.7	5.0	0.0	0.0	0.0
55°	15.1	10.5	10.9	9.3	7.3	5.2	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°	25.6	25.6	25.6	25.6
2.5°	17.1	11.7	8.9	7.7
5°	9.9	4.0	2.2	2.0
7.5°	4.8	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)