

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: P1320901

Luminaire Tested: LDSQA3D02R40B2750DE010 3LSQCA30R 1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320901
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

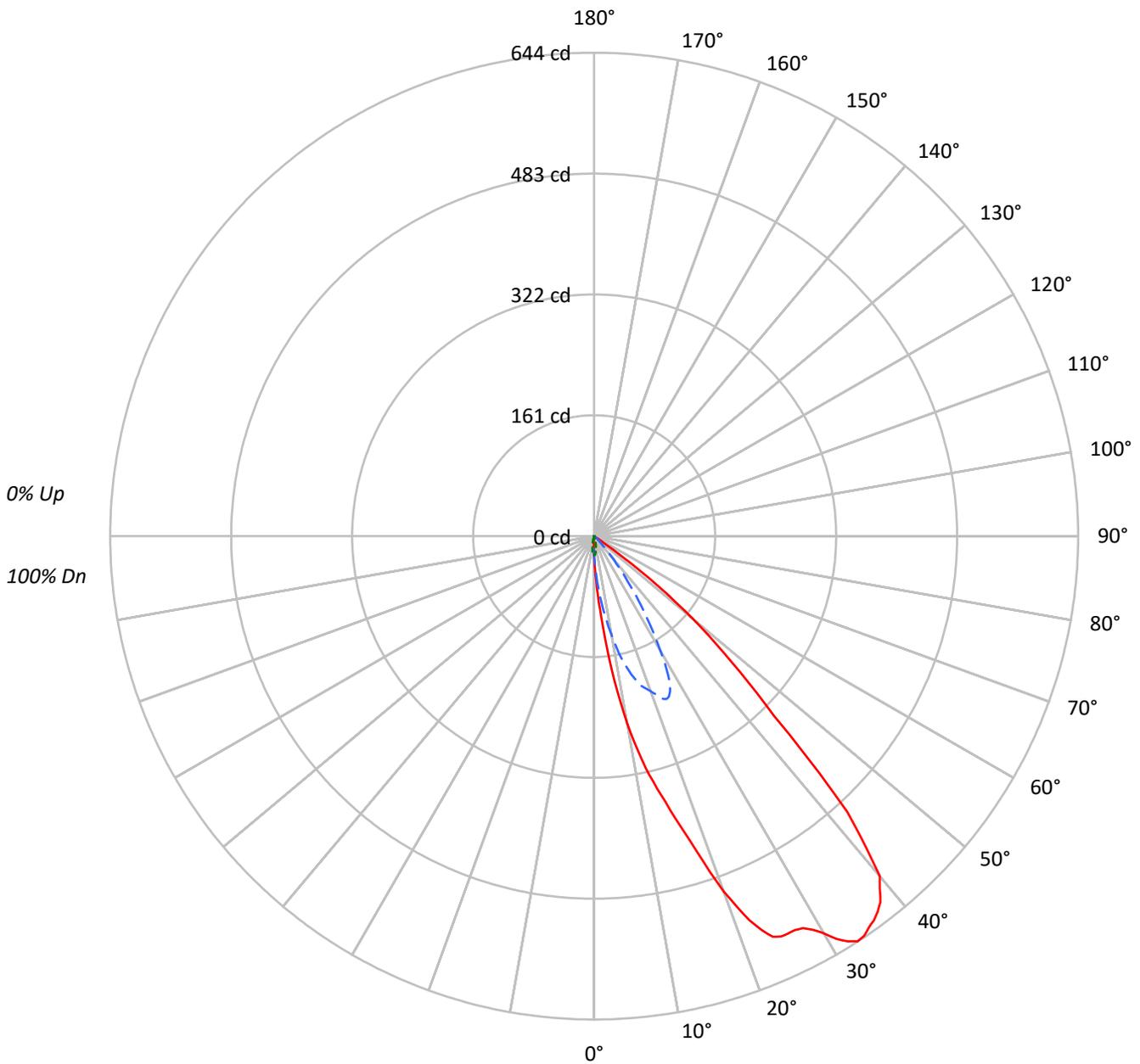
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 216.0 lumens
Efficiency: N/A
Efficacy: 74.5 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	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°	4357	4357	4357	4357	4357
5°	18464	12586	3821	692	346
10°	44384	23416	2361	70	0
15°	65328	34019	998	0	0
20°	92353	40321	367	0	0
25°	111850	44751	0	0	0
30°	121447	35000	0	0	0
35°	133926	20499	0	0	0
40°	132914	8318	0	0	0
45°	82323	2411	0	0	0
50°	45843	54	0	0	0
55°	4474	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: 82713 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	2.2
10°-20°	27.8	12.9
20°-30°	63.6	29.4
30°-40°	75.0	34.7
40°-50°	40.1	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°	96.1	44.5
0°-40°	171.2	79.2
0°-60°	215.6	99.8
0°-90°	216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	216.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	25	25	25	25	25	
5°	107	73	22	4	2	15
15°	366	191	6	0	0	109
25°	589	236	0	0	0	267
35°	637	98	0	0	0	393
45°	338	10	0	0	0	279
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°	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
2.5°	58.9	57.7	58.5	56.9	56.9	53.3	53.5	50.5	46.2	35.2	25.1
5°	106.8	111.6	107.8	102.8	100.1	96.5	91.7	86.7	72.8	44.0	22.1
7.5°	178.8	178.4	172.1	166.7	160.5	151.0	142.0	129.9	103.6	50.3	18.3
10°	253.8	252.4	245.3	240.7	229.0	215.2	196.9	177.4	133.9	52.5	13.5
12.5°	316.3	314.5	308.5	300.8	287.8	270.5	250.8	225.2	165.7	50.1	8.8
15°	366.4	366.0	360.3	349.7	336.2	319.3	297.0	266.2	190.8	44.0	5.6
17.5°	425.9	428.3	417.9	406.6	387.1	363.4	336.2	301.0	209.3	36.4	3.6
20°	503.9	500.5	490.9	474.4	455.7	427.3	388.7	338.4	220.0	28.2	2.0
21°	527.7	526.4	516.4	501.1	480.4	451.6	411.8	357.5	225.0	25.3	1.6
22°	552.0	549.6	541.9	526.9	507.5	474.8	431.1	377.2	231.3	22.1	1.0
23°	570.1	569.1	563.2	548.4	528.3	496.7	452.0	395.5	235.7	19.1	0.6
24°	584.0	582.8	576.9	565.7	548.4	515.4	473.0	415.2	237.5	16.5	0.2
25°	588.6	589.2	585.6	576.9	562.4	529.3	488.8	430.7	235.5	14.1	0.0
26°	588.8	590.6	588.0	583.0	571.1	540.5	503.5	439.8	230.4	11.9	0.0
27°	588.8	590.6	588.0	584.2	572.5	546.8	511.4	440.8	222.4	10.1	0.0
28°	591.6	592.6	589.2	584.6	571.9	548.8	513.6	434.8	209.7	8.8	0.0
29°	599.4	598.4	592.8	586.6	571.3	548.8	507.1	423.5	193.8	7.4	0.0
30°	610.7	610.7	601.9	592.2	574.1	548.6	496.5	403.0	176.0	6.0	0.0
31°	626.0	624.6	615.9	601.3	580.1	548.6	481.0	380.3	159.7	5.2	0.0
32°	636.4	635.6	627.2	610.1	589.8	548.6	464.3	355.3	142.0	4.2	0.0
33°	643.5	641.9	632.4	614.7	595.8	545.8	445.6	328.4	126.1	3.4	0.0
34°	642.5	642.1	632.2	613.9	594.6	534.3	423.9	298.6	111.4	2.8	0.0
35°	637.0	637.0	624.8	605.9	586.0	517.4	402.4	273.1	97.5	2.0	0.0
36°	632.8	631.2	617.5	596.4	571.7	490.7	370.6	247.5	82.6	1.6	0.0
37°	626.6	623.6	608.3	585.6	551.4	461.9	337.2	224.6	69.8	1.0	0.0
38°	618.7	614.1	595.4	573.1	529.1	428.7	303.2	198.9	58.1	0.6	0.0
39°	604.1	600.4	581.1	557.0	502.5	393.7	270.1	174.9	46.9	0.2	0.0
40°	591.2	584.6	562.8	535.1	471.3	354.1	237.3	151.2	37.0	0.0	0.0
42.5°	498.5	491.5	486.6	459.1	375.4	254.2	165.7	96.9	19.3	0.0	0.0
45°	338.0	339.6	324.0	305.5	247.7	165.7	103.6	53.9	9.9	0.0	0.0
47.5°	246.5	242.3	221.2	186.2	145.2	96.9	54.1	26.1	4.0	0.0	0.0
50°	171.1	163.1	144.0	117.8	79.0	46.2	23.9	12.1	0.2	0.0	0.0
52.5°	92.9	87.3	74.0	53.7	32.8	17.7	9.5	5.0	0.0	0.0	0.0
55°	14.9	10.3	10.7	9.2	7.2	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°	25.3	25.3	25.3	25.3
2.5°	16.9	11.5	8.8	7.6
5°	9.7	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)