

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: P1320907

Luminaire Tested: LDSQA3D02R40B2750DE010 3LSQCA30R 1MMS_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320907
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 80CRI , 3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

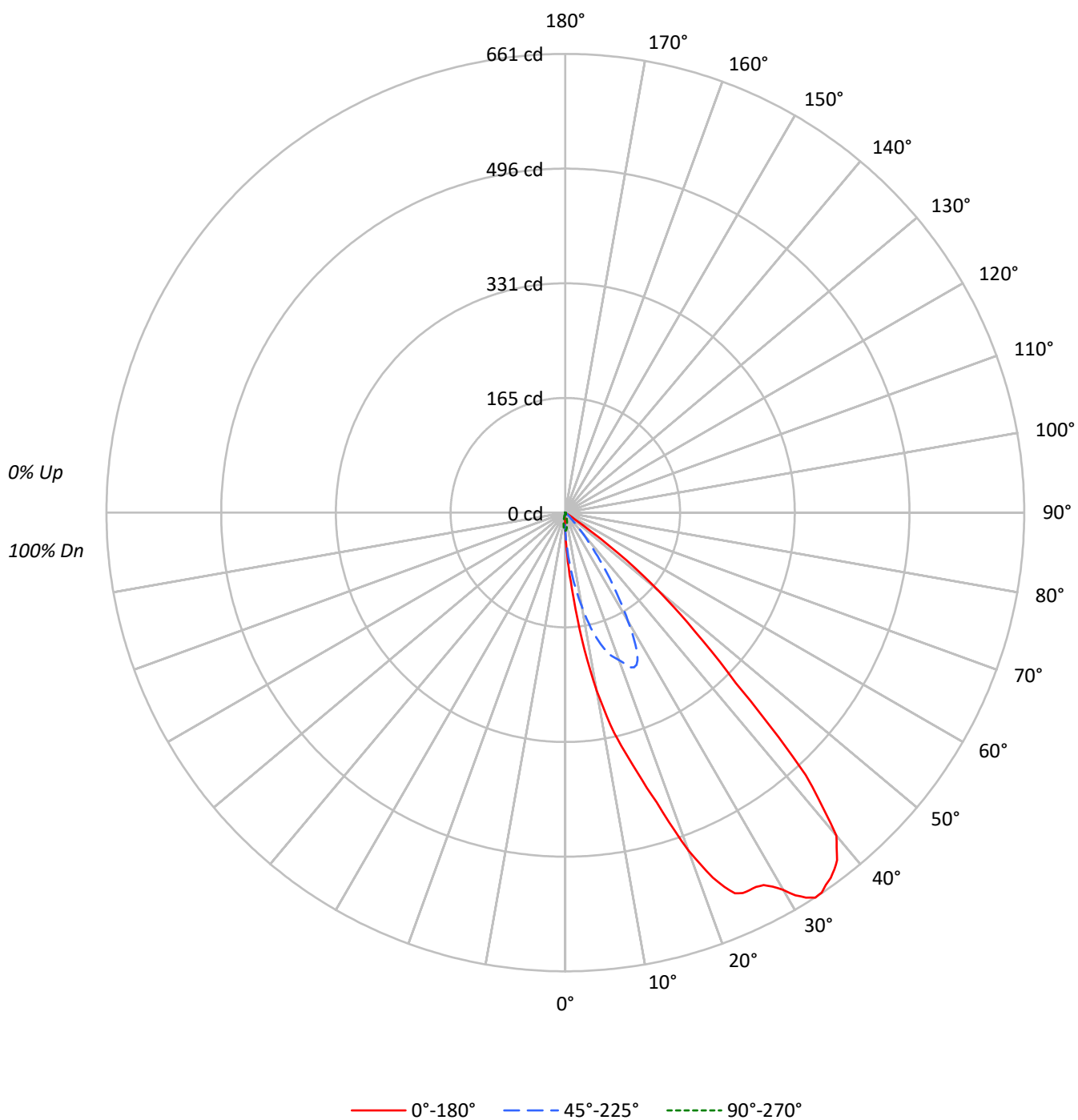
Lumens per Lamp: N/A
Luminaire Lumens: 222.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	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°	4478	4478	4478	4478	4478
5°	18982	12931	3924	709	346
10°	45626	24063	2431	70	0
15°	67147	34964	1016	0	0
20°	94918	41439	367	0	0
25°	114966	46005	0	0	0
30°	124828	35975	0	0	0
35°	137626	21067	0	0	0
40°	136601	8543	0	0	0
45°	84613	2484	0	0	0
50°	47102	54	0	0	0
55°	4594	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: 85002 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	2.2
10°-20°	28.6	12.9
20°-30°	65.3	29.4
30°-40°	77.1	34.7
40°-50°	41.2	18.6
50°-60°	4.5	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°	98.8	44.5
0°-40°	175.9	79.2
0°-60°	221.6	99.8
0°-90°	222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	222.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	110	75	23	4	2	15
15°	377	196	6	0	0	112
25°	605	242	0	0	0	275
35°	655	100	0	0	0	404
45°	347	10	0	0	0	286
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
2.5°	60.5	59.3	60.1	58.5	58.5	54.8	55.0	51.9	47.4	36.2	25.8
5°	109.8	114.7	110.8	105.7	102.8	99.2	94.3	89.1	74.8	45.2	22.7
7.5°	183.8	183.4	176.8	171.3	165.0	155.2	146.0	133.5	106.5	51.7	18.8
10°	260.9	259.4	252.1	247.4	235.3	221.2	202.4	182.4	137.6	54.0	13.9
12.5°	325.1	323.2	317.1	309.1	295.8	278.1	257.8	231.4	170.3	51.5	9.0
15°	376.6	376.2	370.3	359.4	345.5	328.1	305.2	273.6	196.1	45.2	5.7
17.5°	437.7	440.2	429.5	417.9	397.9	373.5	345.5	309.3	215.1	37.4	3.7
20°	517.9	514.4	504.6	487.6	468.4	439.2	399.5	347.8	226.1	29.0	2.0
21°	542.4	541.0	530.8	515.0	493.7	464.1	423.2	367.4	231.2	26.0	1.6
22°	567.3	564.9	556.9	541.6	521.6	488.0	443.0	387.6	237.8	22.7	1.0
23°	586.0	584.9	578.8	563.7	543.0	510.5	464.5	406.4	242.3	19.6	0.6
24°	600.3	599.0	592.9	581.5	563.7	529.7	486.2	426.7	244.1	17.0	0.2
25°	605.0	605.6	601.9	592.9	578.0	544.0	502.3	442.6	242.1	14.5	0.0
26°	605.2	607.0	604.4	599.2	587.0	555.5	517.5	452.0	236.8	12.3	0.0
27°	605.2	607.0	604.4	600.5	588.4	562.0	525.6	453.1	228.6	10.4	0.0
28°	608.0	609.1	605.6	600.9	587.8	564.1	527.9	446.9	215.5	9.0	0.0
29°	616.0	615.0	609.3	602.9	587.2	564.1	521.1	435.3	199.1	7.6	0.0
30°	627.7	627.7	618.7	608.6	590.0	563.9	510.3	414.2	180.9	6.1	0.0
31°	643.4	642.0	633.0	618.1	596.2	563.9	494.4	390.9	164.2	5.3	0.0
32°	654.0	653.2	644.6	627.0	606.2	563.9	477.2	365.1	146.0	4.3	0.0
33°	661.4	659.8	649.9	631.7	612.3	561.0	458.0	337.5	129.6	3.5	0.0
34°	660.4	660.0	649.7	630.9	611.1	549.2	435.7	306.9	114.5	2.9	0.0
35°	654.6	654.6	642.2	622.8	602.3	531.8	413.6	280.7	100.2	2.0	0.0
36°	650.4	648.7	634.6	612.9	587.6	504.4	380.9	254.3	84.8	1.6	0.0
37°	644.0	640.9	625.2	601.9	566.7	474.7	346.5	230.8	71.8	1.0	0.0
38°	635.8	631.1	611.9	589.0	543.8	440.6	311.6	204.4	59.7	0.6	0.0
39°	620.9	617.0	597.2	572.5	516.4	404.6	277.6	179.7	48.3	0.2	0.0
40°	607.6	600.9	578.4	550.0	484.3	363.9	243.9	155.4	38.0	0.0	0.0
42.5°	512.4	505.2	500.1	471.9	385.8	261.3	170.3	99.6	19.8	0.0	0.0
45°	347.4	349.0	333.0	314.0	254.5	170.3	106.5	55.4	10.2	0.0	0.0
47.5°	253.3	249.0	227.3	191.4	149.2	99.6	55.6	26.8	4.1	0.0	0.0
50°	175.8	167.6	148.0	121.0	81.2	47.4	24.5	12.5	0.2	0.0	0.0
52.5°	95.5	89.8	76.1	55.2	33.7	18.2	9.8	5.1	0.0	0.0	0.0
55°	15.3	10.6	11.0	9.4	7.4	5.3	3.1	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°	26.0	26.0	26.0	26.0
2.5°	17.4	11.9	9.0	7.8
5°	10.0	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)