

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: P1320904

Luminaire Tested: LDSQA3D02R40B2750DE010 3LSQCA30R 1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320904
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 80CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

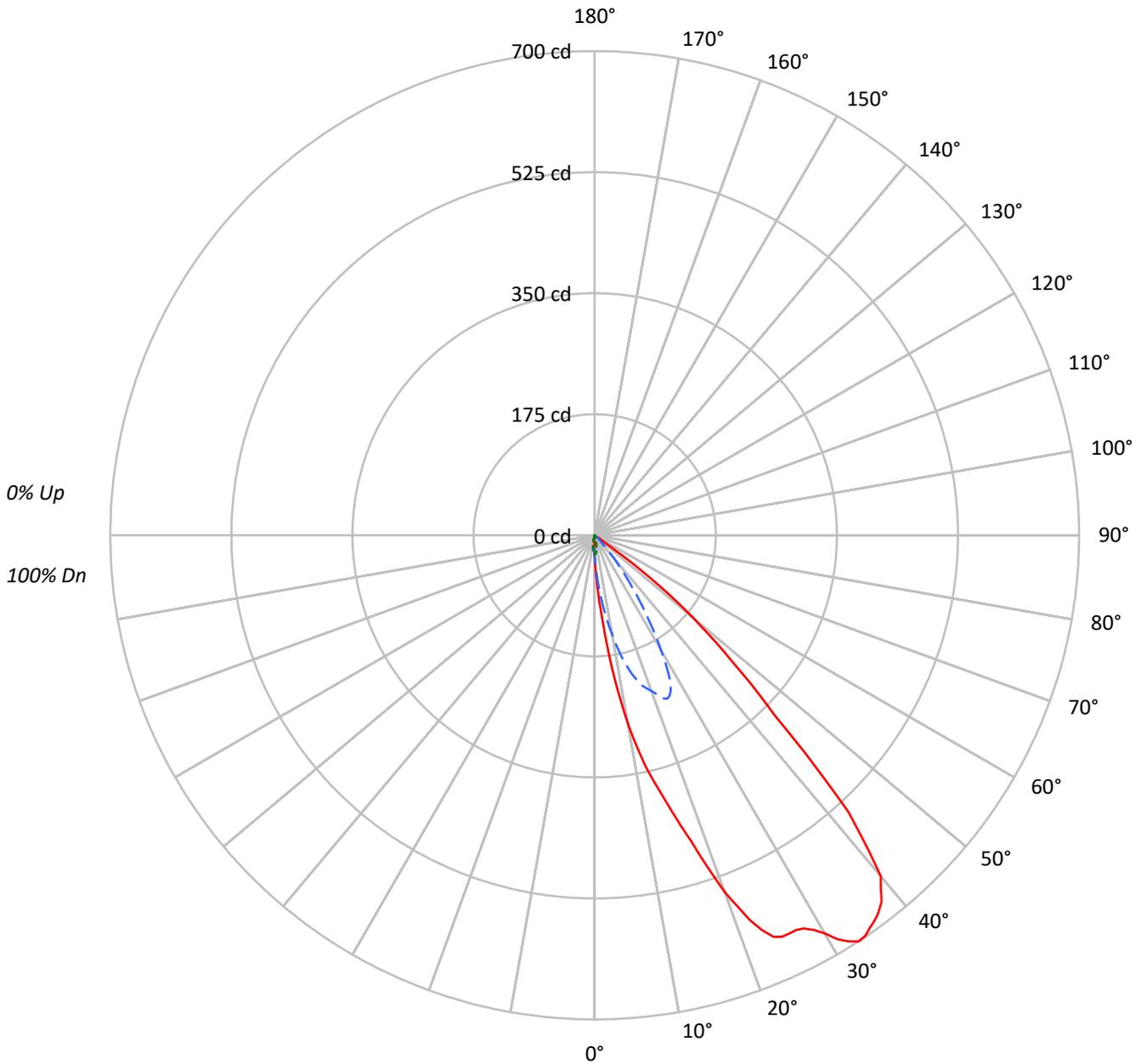
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 235.0 lumens
Efficiency: N/A
Efficacy: 81.0 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°	4736	4736	4736	4736	4736
5°	20089	13692	4149	743	380
10°	48302	25480	2571	70	0
15°	71070	36997	1088	0	0
20°	100472	43876	403	0	0
25°	121693	48685	0	0	0
30°	132126	38083	0	0	0
35°	145700	22286	0	0	0
40°	144605	9060	0	0	0
45°	89557	2630	0	0	0
50°	49862	54	0	0	0
55°	4864	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: 89971 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	2.2
10°-20°	30.3	12.9
20°-30°	69.1	29.4
30°-40°	81.6	34.7
40°-50°	43.6	18.6
50°-60°	4.7	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°	104.6	44.5
0°-40°	186.2	79.3
0°-60°	234.6	99.8
0°-90°	235.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	235.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	116	79	24	4	2	16
15°	399	208	6	0	0	118
25°	640	256	0	0	0	291
35°	693	106	0	0	0	428
45°	368	11	0	0	0	303
55°	16	0	0	0	0	46
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°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
2.5°	64.1	62.8	63.6	61.9	61.9	58.0	58.2	55.0	50.2	38.3	27.3
5°	116.2	121.4	117.3	111.9	108.9	105.0	99.8	94.4	79.2	47.8	24.0
7.5°	194.6	194.1	187.2	181.4	174.7	164.3	154.5	141.3	112.8	54.8	19.9
10°	276.2	274.6	266.8	261.9	249.1	234.2	214.3	193.0	145.7	57.1	14.7
12.5°	344.1	342.2	335.7	327.2	313.2	294.3	272.9	245.0	180.3	54.5	9.5
15°	398.6	398.2	391.9	380.5	365.8	347.4	323.1	289.6	207.5	47.8	6.1
17.5°	463.4	466.0	454.7	442.4	421.2	395.4	365.8	327.4	227.7	39.6	3.9
20°	548.2	544.5	534.1	516.2	495.8	464.9	422.9	368.1	239.4	30.7	2.2
21°	574.2	572.7	561.8	545.2	522.7	491.3	448.0	388.9	244.8	27.5	1.7
22°	600.6	598.0	589.5	573.3	552.1	516.6	469.0	410.3	251.7	24.0	1.1
23°	620.3	619.2	612.7	596.7	574.8	540.4	491.7	430.2	256.5	20.8	0.6
24°	635.4	634.1	627.6	615.5	596.7	560.7	514.7	451.7	258.4	18.0	0.2
25°	640.4	641.0	637.1	627.6	611.8	575.9	531.7	468.6	256.2	15.4	0.0
26°	640.6	642.6	639.7	634.3	621.3	588.0	547.8	478.5	250.6	13.0	0.0
27°	640.6	642.6	639.7	635.6	622.9	594.9	556.4	479.6	242.0	11.0	0.0
28°	643.6	644.7	641.0	636.1	622.2	597.1	558.8	473.1	228.1	9.5	0.0
29°	652.1	651.0	644.9	638.2	621.6	597.1	551.7	460.8	210.8	8.0	0.0
30°	664.4	664.4	654.9	644.3	624.6	596.9	540.2	438.5	191.5	6.5	0.0
31°	681.1	679.6	670.0	654.2	631.1	596.9	523.3	413.8	173.8	5.6	0.0
32°	692.3	691.5	682.4	663.8	641.7	596.9	505.1	386.5	154.5	4.5	0.0
33°	700.1	698.4	688.0	668.7	648.2	593.9	484.8	357.3	137.2	3.7	0.0
34°	699.0	698.6	687.8	667.9	646.9	581.3	461.2	324.8	121.2	3.0	0.0
35°	693.0	693.0	679.8	659.2	637.6	562.9	437.8	297.1	106.0	2.2	0.0
36°	688.4	686.7	671.8	648.8	622.0	533.9	403.2	269.2	89.8	1.7	0.0
37°	681.7	678.5	661.8	637.1	599.9	502.5	366.8	244.3	76.0	1.1	0.0
38°	673.1	668.1	647.8	623.5	575.7	466.4	329.8	216.4	63.2	0.6	0.0
39°	657.3	653.2	632.2	606.0	546.7	428.3	293.9	190.2	51.1	0.2	0.0
40°	643.2	636.1	612.3	582.2	512.7	385.2	258.2	164.5	40.3	0.0	0.0
42.5°	542.4	534.8	529.4	499.5	408.4	276.6	180.3	105.4	21.0	0.0	0.0
45°	367.7	369.4	352.6	332.4	269.4	180.3	112.8	58.7	10.8	0.0	0.0
47.5°	268.1	263.6	240.7	202.6	158.0	105.4	58.9	28.4	4.3	0.0	0.0
50°	186.1	177.5	156.7	128.1	85.9	50.2	26.0	13.2	0.2	0.0	0.0
52.5°	101.1	95.0	80.5	58.4	35.7	19.3	10.4	5.4	0.0	0.0	0.0
55°	16.2	11.3	11.7	10.0	7.8	5.6	3.2	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°	27.5	27.5	27.5	27.5
2.5°	18.4	12.6	9.5	8.2
5°	10.6	4.3	2.4	2.2
7.5°	5.2	1.5	0.9	0.9
10°	2.2	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)