

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: P1320819

Luminaire Tested: LDSQA3D02R35B2750DE010 3LSQCA30R 1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R35B2750DE010 3LSQCA30R 1MB_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 80CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

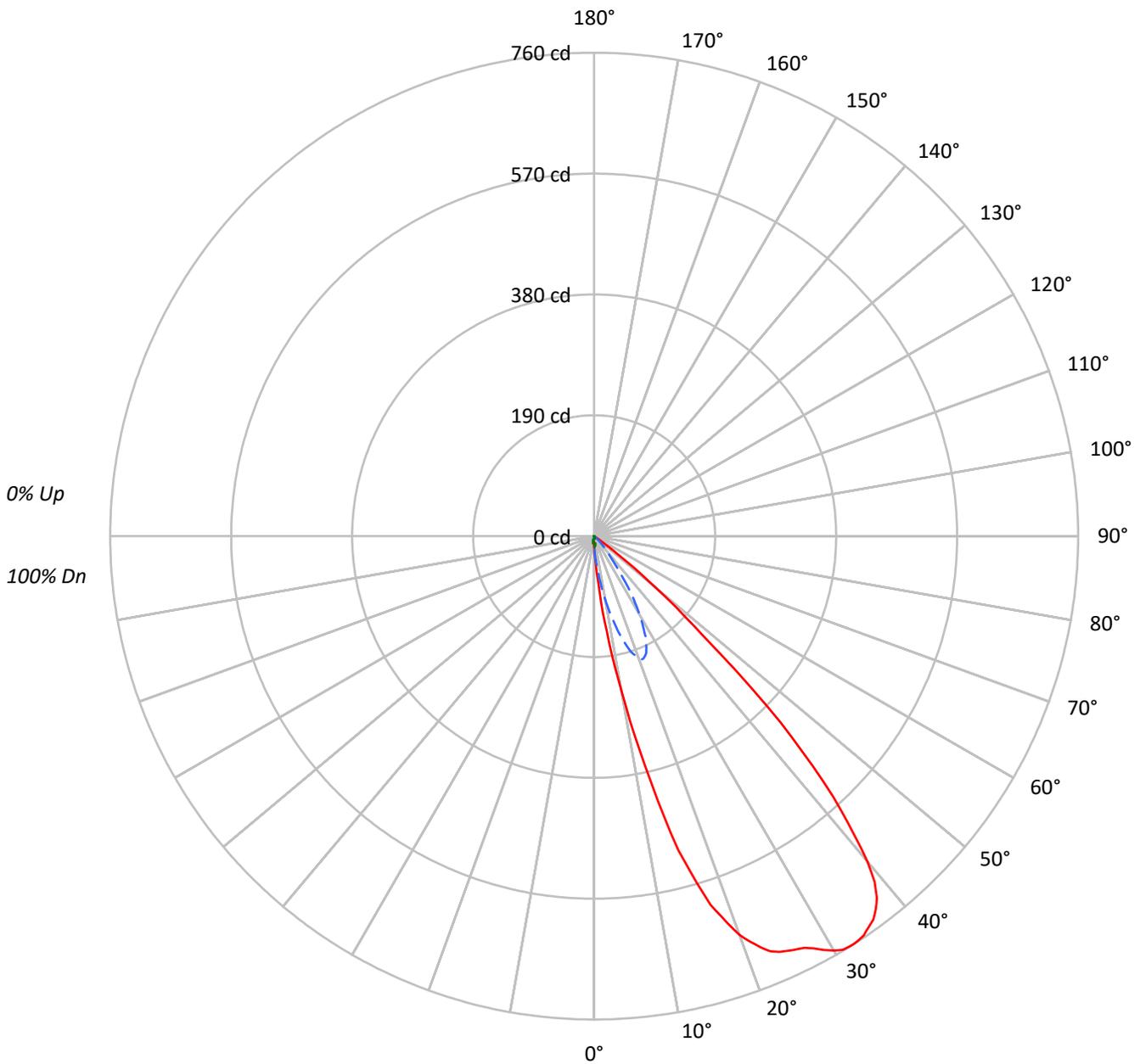
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 227.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
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			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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2945	2945	2945	2945	2945
5°	12810	7935	2732	968	674
10°	43090	17908	2046	227	70
15°	91199	29384	1266	0	0
20°	122281	37553	586	0	0
25°	136667	36865	114	0	0
30°	149607	28259	0	0	0
35°	157894	15390	0	0	0
40°	150090	6924	0	0	0
45°	100736	3069	0	0	0
50°	33652	295	0	0	0
55°	1832	0	0	0	0
60°	0	0	69	0	0
65°	0	0	163	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: 0°
 Vertical Angle: 45°
 Luminance: 100736 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	1.6
10°-20°	31.5	13.9
20°-30°	69.1	30.4
30°-40°	79.9	35.2
40°-50°	39.5	17.4
50°-60°	2.9	1.3
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°	104.3	45.9
0°-40°	184.2	81.2
0°-60°	226.6	99.8
0°-90°	227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	227.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	17	17	17	17	17	
5°	74	46	16	6	4	13
15°	512	165	7	0	0	144
25°	719	194	1	0	0	332
35°	751	73	0	0	0	464
45°	414	13	0	0	0	304
55°	6	0	0	0	0	25
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°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
2.5°	34.0	34.9	34.4	34.4	34.2	33.1	31.2	30.5	28.2	22.3	17.3
5°	74.1	74.3	73.6	70.4	67.6	65.0	59.3	56.7	45.9	27.3	15.8
7.5°	150.3	147.0	142.9	138.4	128.4	119.3	107.4	94.9	71.0	31.6	14.1
10°	246.4	241.9	238.4	227.6	209.6	191.0	168.3	147.7	102.4	34.6	11.7
12.5°	370.5	367.9	355.6	333.9	307.3	280.4	240.8	208.1	134.0	35.3	9.5
15°	511.5	507.2	488.3	457.6	421.4	379.2	326.1	271.1	164.8	33.3	7.1
17.5°	607.9	605.5	589.3	557.0	515.4	461.7	398.9	330.3	190.1	29.2	5.0
20°	667.2	663.7	648.6	621.3	577.8	521.7	447.2	367.9	204.9	24.0	3.2
21°	682.6	679.1	667.0	638.6	597.0	536.8	460.4	377.0	207.7	21.7	2.6
22°	697.1	693.6	680.9	655.7	614.6	551.8	470.8	384.0	207.2	19.7	1.9
23°	709.2	705.5	693.0	669.8	628.5	565.0	478.6	387.4	204.4	17.8	1.5
24°	715.5	713.3	702.1	680.2	639.7	574.3	484.0	388.7	201.0	15.8	1.1
25°	719.2	716.6	705.5	685.4	647.1	581.7	487.5	387.6	194.0	14.1	0.6
26°	723.1	719.2	706.6	687.1	651.0	585.1	487.7	384.8	186.7	12.6	0.2
27°	726.6	722.9	709.9	688.4	651.6	584.1	486.0	379.4	177.8	11.0	0.2
28°	734.1	730.0	715.1	691.3	652.3	581.2	480.5	372.0	166.1	9.7	0.0
29°	744.1	739.8	722.7	698.0	653.8	578.2	473.2	362.3	155.9	8.7	0.0
30°	752.3	748.4	732.6	706.4	657.7	575.4	464.5	349.1	142.1	7.4	0.0
31°	758.4	754.5	740.0	713.6	661.2	572.8	453.7	335.4	129.5	6.5	0.0
32°	759.9	756.7	743.0	716.6	661.2	568.9	443.7	320.1	117.2	5.4	0.0
33°	759.3	756.0	742.1	714.4	655.3	559.6	431.6	301.7	103.1	4.8	0.0
34°	756.9	753.0	738.2	707.5	643.8	543.8	414.1	283.3	88.4	3.9	0.0
35°	751.0	747.6	731.5	694.5	626.1	519.7	390.7	262.0	73.2	3.2	0.0
36°	745.4	740.2	720.5	678.5	602.7	495.1	362.7	237.6	60.2	2.6	0.0
37°	735.0	727.6	707.7	655.3	569.5	460.2	330.9	210.7	50.5	1.9	0.0
38°	721.1	711.2	685.8	628.5	536.2	427.5	301.0	186.5	42.4	1.3	0.0
39°	699.7	688.0	653.6	591.6	497.6	389.6	266.8	160.7	36.2	0.9	0.0
40°	667.6	656.6	618.5	547.9	459.3	347.8	231.7	131.7	30.8	0.4	0.0
42.5°	555.9	540.7	496.6	426.4	339.6	250.1	153.3	73.2	20.4	0.0	0.0
45°	413.6	400.2	356.9	293.0	226.3	153.1	82.1	43.1	12.6	0.0	0.0
47.5°	233.7	232.1	204.0	168.3	126.3	81.4	41.6	26.0	5.4	0.0	0.0
50°	125.6	117.8	101.6	77.1	52.6	35.5	22.5	14.3	1.1	0.0	0.0
52.5°	45.9	44.4	37.2	31.0	23.8	16.2	11.5	6.3	0.0	0.0	0.0
55°	6.1	5.6	5.8	6.3	6.5	5.6	3.7	1.3	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.4	0.0	0.0	0.0	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	0.4
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	0.0	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	0.0	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	0.0	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	0.0	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°	17.1	17.1	17.1	17.1
2.5°	13.2	10.2	8.7	8.4
5°	9.1	5.6	4.1	3.9
7.5°	6.3	2.8	1.9	1.7
10°	3.7	1.3	0.6	0.4
12.5°	2.2	0.2	0.0	0.0
15°	0.6	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)