

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: P1320821

Luminaire Tested: LDSQA3D02R35B2750DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320821
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 1MMS_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

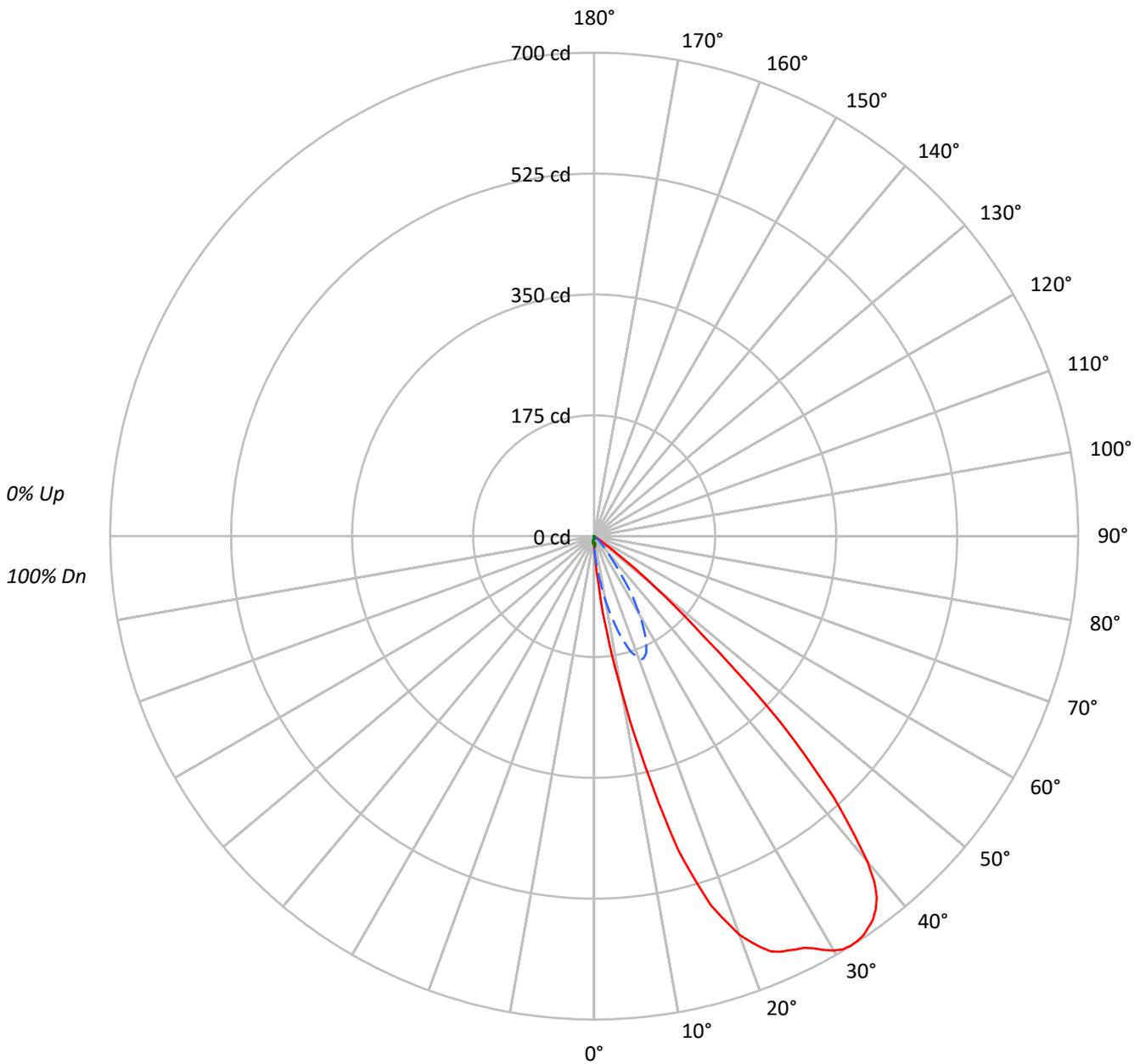
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 209.0 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 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	
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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100	
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83	
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75	
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67	
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61	
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55	
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49	
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45	
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40	
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2721	2721	2721	2721	2721
5°	11790	7313	2524	899	622
10°	39680	16491	1889	210	70
15°	83961	27048	1177	0	0
20°	112586	34566	550	0	0
25°	125836	33939	114	0	0
30°	137754	26012	0	0	0
35°	145384	14171	0	0	0
40°	138197	6362	0	0	0
45°	92747	2825	0	0	0
50°	30973	268	0	0	0
55°	1681	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: 92747 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	1.6
10°-20°	29.0	13.9
20°-30°	63.6	30.4
30°-40°	73.6	35.2
40°-50°	36.3	17.4
50°-60°	2.7	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°	96.0	45.9
0°-40°	169.6	81.1
0°-60°	208.6	99.8
0°-90°	209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	209.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	16	16	16	16	16	
5°	68	42	15	5	4	12
15°	471	152	7	0	0	133
25°	662	179	1	0	0	306
35°	692	67	0	0	0	427
45°	381	12	0	0	0	279
55°	6	0	0	0	0	23
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°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
2.5°	31.3	32.1	31.7	31.7	31.5	30.5	28.7	28.1	25.9	20.5	16.0
5°	68.2	68.4	67.8	64.8	62.2	59.8	54.6	52.2	42.3	25.1	14.6
7.5°	138.4	135.4	131.6	127.4	118.2	109.9	98.9	87.3	65.4	29.1	13.0
10°	226.9	222.7	219.5	209.6	193.0	175.9	154.9	136.0	94.3	31.9	10.8
12.5°	341.1	338.8	327.4	307.5	282.9	258.2	221.7	191.6	123.4	32.5	8.8
15°	470.9	467.0	449.6	421.3	388.0	349.1	300.3	249.6	151.7	30.7	6.6
17.5°	559.7	557.5	542.5	512.8	474.5	425.1	367.3	304.1	175.1	26.9	4.6
20°	614.3	611.1	597.2	572.0	532.0	480.3	411.7	338.8	188.6	22.1	3.0
21°	628.5	625.3	614.1	588.0	549.7	494.3	423.9	347.1	191.2	19.9	2.4
22°	641.8	638.6	626.9	603.7	565.9	508.0	433.5	353.5	190.8	18.1	1.8
23°	653.0	649.6	638.0	616.7	578.6	520.2	440.6	356.7	188.2	16.3	1.4
24°	658.8	656.8	646.4	626.3	589.0	528.8	445.6	357.9	185.0	14.6	1.0
25°	662.2	659.8	649.6	631.1	595.8	535.6	448.8	356.9	178.6	13.0	0.6
26°	665.7	662.2	650.6	632.7	599.4	538.7	449.0	354.3	171.9	11.6	0.2
27°	668.9	665.5	653.6	633.8	600.0	537.7	447.4	349.3	163.7	10.2	0.2
28°	675.9	672.1	658.4	636.4	600.6	535.2	442.4	342.5	152.9	9.0	0.0
29°	685.1	681.1	665.4	642.6	601.9	532.4	435.7	333.6	143.6	8.0	0.0
30°	692.7	689.1	674.5	650.4	605.5	529.8	427.7	321.4	130.8	6.8	0.0
31°	698.2	694.7	681.3	657.0	608.7	527.4	417.7	308.8	119.2	6.0	0.0
32°	699.6	696.7	684.1	659.8	608.7	523.8	408.5	294.7	107.9	5.0	0.0
33°	699.0	696.1	683.3	657.8	603.3	515.2	397.4	277.7	94.9	4.4	0.0
34°	696.9	693.3	679.7	651.4	592.8	500.7	381.2	260.8	81.3	3.6	0.0
35°	691.5	688.3	673.5	639.4	576.4	478.5	359.7	241.3	67.4	3.0	0.0
36°	686.3	681.5	663.4	624.7	554.9	455.8	334.0	218.7	55.4	2.4	0.0
37°	676.7	669.9	651.6	603.3	524.4	423.7	304.7	194.0	46.5	1.8	0.0
38°	664.0	654.8	631.5	578.6	493.7	393.6	277.1	171.7	39.1	1.2	0.0
39°	644.2	633.4	601.7	544.7	458.2	358.7	245.6	147.9	33.3	0.8	0.0
40°	614.7	604.5	569.4	504.4	422.9	320.2	213.3	121.2	28.3	0.4	0.0
42.5°	511.8	497.9	457.2	392.6	312.6	230.3	141.2	67.4	18.7	0.0	0.0
45°	380.8	368.5	328.6	269.8	208.4	141.0	75.6	39.7	11.6	0.0	0.0
47.5°	215.1	213.7	187.8	154.9	116.2	75.0	38.3	23.9	5.0	0.0	0.0
50°	115.6	108.5	93.5	71.0	48.5	32.7	20.7	13.2	1.0	0.0	0.0
52.5°	42.3	40.9	34.3	28.5	21.9	15.0	10.6	5.8	0.0	0.0	0.0
55°	5.6	5.2	5.4	5.8	6.0	5.2	3.4	1.2	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°	15.8	15.8	15.8	15.8
2.5°	12.2	9.4	8.0	7.8
5°	8.4	5.2	3.8	3.6
7.5°	5.8	2.6	1.8	1.6
10°	3.4	1.2	0.6	0.4
12.5°	2.0	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)