

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: P1321036

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

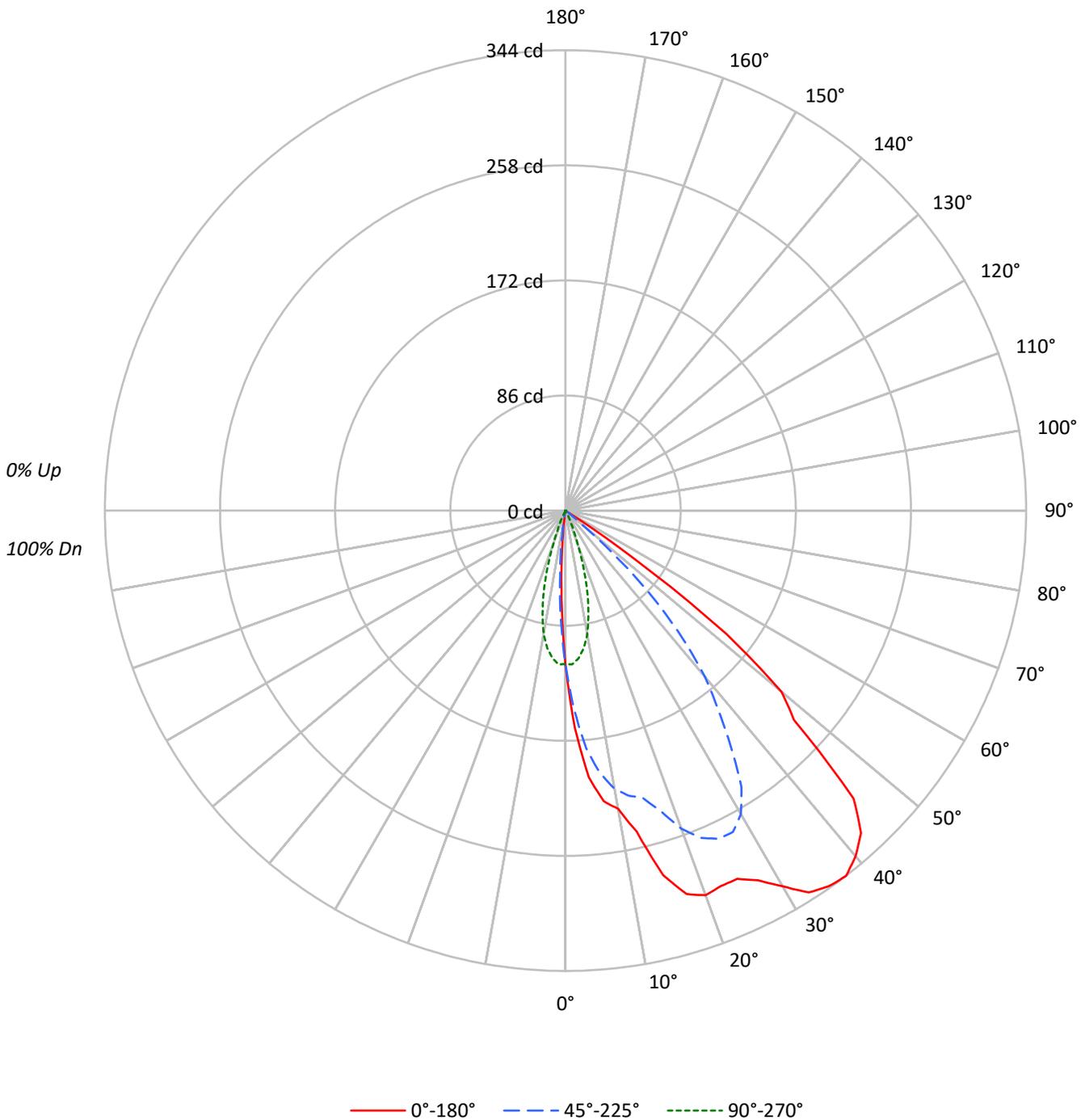
Test Method: LM-79-2019  
Report Number: P1321036  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 212.0 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27  
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	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	97	96	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	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°	19737	19737	19737	19737	19737
5°	34576	30825	19155	7953	4581
10°	39575	36900	16369	874	315
15°	50298	39600	11233	178	107
20°	56046	46332	4930	0	0
25°	57692	51421	1406	0	0
30°	64452	52103	199	0	0
35°	72051	45245	0	0	0
40°	75787	36421	0	0	0
45°	74091	22992	0	0	0
50°	56426	4689	0	0	0
55°	18496	0	0	0	0
60°	0	0	0	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	397	198	0
85°	0	395	395	395	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 74091 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.5	4.9
10°-20°	30.7	14.5
20°-30°	49.9	23.5
30°-40°	59.3	28.0
40°-50°	48.5	22.9
50°-60°	12.9	6.1
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.2	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°	91.0	42.9
0°-40°	150.3	70.9
0°-60°	211.6	99.8
0°-90°	212.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	212.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	115	115	115	115	115	
5°	200	178	111	46	26	20
15°	282	222	63	1	1	79
25°	304	271	7	0	0	143
35°	343	215	0	0	0	213
45°	304	94	0	0	0	218
55°	62	0	0	0	0	69
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°	40°	45°	67.5°
0°	114.6	114.6	114.6	114.6	114.6	114.6	114.6	114.6	114.6	114.6	114.6
2.5°	162.6	161.4	161.6	161.0	161.6	159.0	156.2	153.6	151.6	148.8	131.9
5°	200.0	198.0	197.4	196.6	195.8	192.7	190.1	186.9	183.1	178.3	147.2
7.5°	219.0	217.4	216.6	217.0	215.2	214.0	210.6	207.0	203.0	197.8	158.8
10°	226.3	224.7	224.5	224.3	224.1	223.3	221.7	218.6	215.0	211.0	165.4
12.5°	245.6	242.1	239.7	236.9	233.5	229.1	225.5	222.7	221.3	218.2	168.3
15°	282.1	278.7	276.1	272.5	266.2	256.8	248.2	237.3	227.7	222.1	167.2
17.5°	300.4	298.8	296.6	294.3	289.9	283.1	274.3	262.8	250.6	234.9	161.4
20°	305.8	305.0	303.4	302.4	299.4	294.7	288.7	279.7	268.4	252.8	152.4
22.5°	303.6	304.2	305.0	307.6	308.0	304.6	299.0	290.5	278.9	264.6	138.7
25°	303.6	303.2	303.2	308.6	312.0	310.4	306.4	298.6	286.9	270.6	121.7
27.5°	311.4	309.0	304.0	309.6	315.2	314.6	311.0	301.8	288.7	270.7	101.0
30°	324.1	319.0	310.8	316.0	321.2	319.0	313.2	301.4	284.7	262.0	75.7
32.5°	338.3	335.9	331.7	335.1	334.3	325.5	315.2	298.8	276.5	244.5	51.0
35°	342.7	343.1	340.3	339.7	335.1	326.1	315.2	291.5	259.4	215.2	30.3
37.5°	344.1	344.3	339.9	334.3	327.5	317.0	303.8	276.3	227.7	186.9	16.1
40°	337.1	336.9	329.7	322.9	315.4	305.0	285.9	244.5	197.6	162.0	5.8
42.5°	326.7	324.1	317.4	309.0	299.8	286.9	257.0	206.4	171.7	129.7	0.4
45°	304.2	301.8	296.4	287.5	277.3	259.0	211.8	177.3	139.7	94.4	0.0
47.5°	231.3	230.1	235.7	236.9	236.7	215.8	176.7	144.6	102.6	55.0	0.0
50°	210.6	209.0	203.4	196.2	183.5	166.0	141.7	107.2	60.2	17.5	0.0
52.5°	151.2	156.4	157.6	152.2	140.3	122.9	97.6	61.8	20.9	0.0	0.0
55°	61.6	58.4	60.8	63.8	66.1	60.8	45.0	21.9	0.2	0.0	0.0
57.5°	0.0	0.2	1.2	2.8	4.6	5.8	6.2	0.4	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.2	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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):**

	90°	112.5°	135°	157.5°	180°
0°	114.6	114.6	114.6	114.6	114.6
2.5°	115.0	97.2	80.1	70.7	66.1
5°	110.8	74.3	46.0	31.9	26.5
7.5°	103.8	51.0	18.3	7.6	5.4
10°	93.6	29.3	5.0	2.0	1.8
12.5°	79.1	13.3	1.8	1.4	1.4
15°	63.0	4.6	1.0	0.8	0.6
17.5°	44.2	1.2	0.4	0.0	0.0
20°	26.9	0.2	0.0	0.0	0.0
22.5°	14.9	0.0	0.0	0.0	0.0
25°	7.4	0.0	0.0	0.0	0.0
27.5°	3.2	0.0	0.0	0.0	0.0
30°	1.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.0	0.0	0.0
77.5°	0.4	0.2	0.2	0.0	0.0
80°	0.4	0.2	0.2	0.0	0.0
82.5°	0.4	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.2	0.0	0.0
87.5°	0.4	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)