

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: P1321046

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R55B2750DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

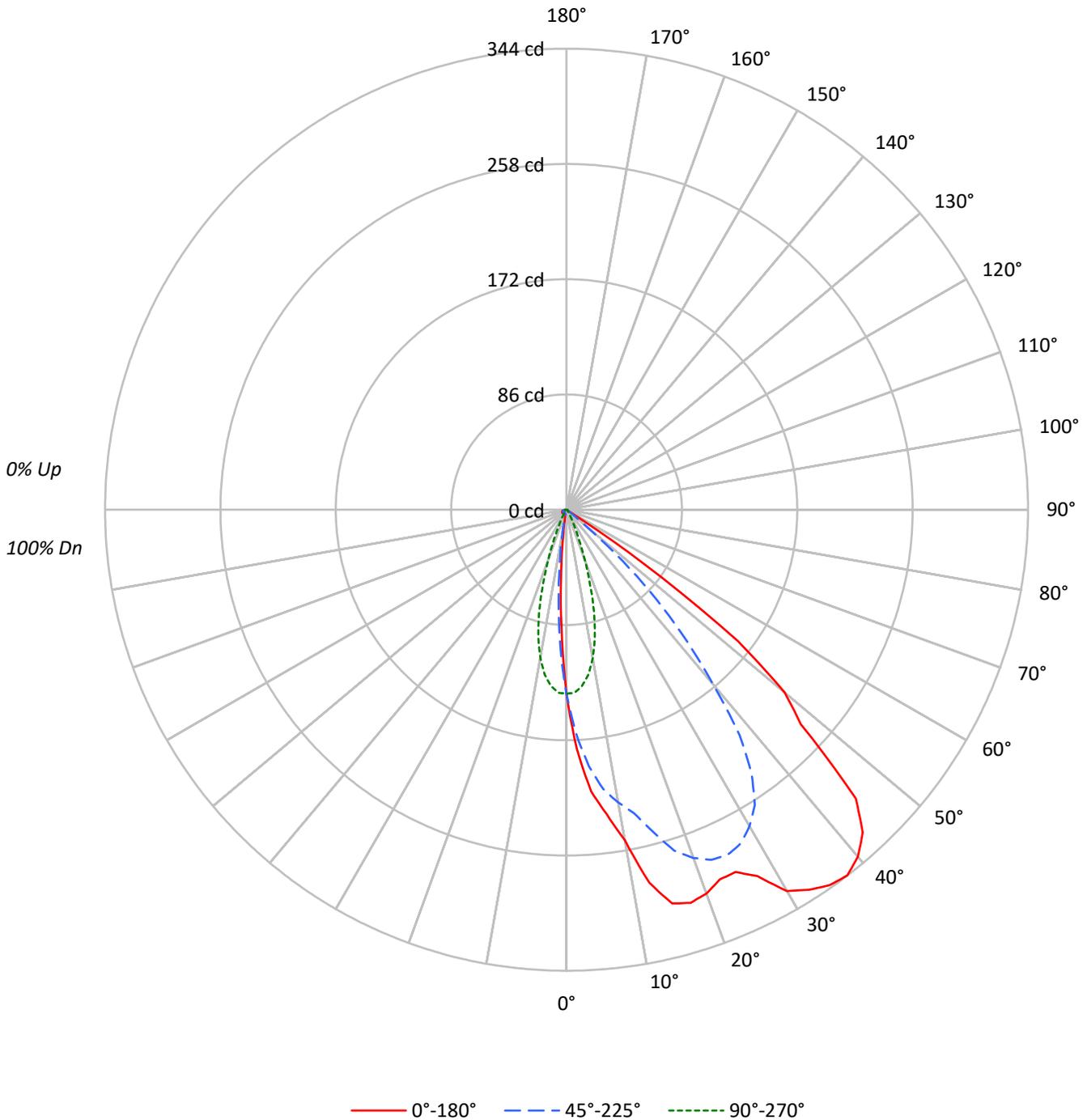
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 229.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
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	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	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	57	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	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	23646	23646	23646	23646	23646
5°	36460	33193	22838	11721	7710
10°	43790	38788	19656	2955	1189
15°	54220	44307	14050	820	642
20°	55844	50676	7258	550	550
25°	56666	53987	2907	494	570
30°	65307	54231	1273	517	597
35°	71883	50564	547	547	673
40°	75944	38062	315	629	719
45°	74261	23260	292	682	877
50°	56801	4957	322	804	1018
55°	20838	180	360	901	1141
60°	207	207	413	1033	1309
65°	245	245	489	1060	1386
70°	201	302	504	1209	1611
75°	133	266	532	1331	1863
80°	198	397	595	1389	1984
85°	0	395	790	1581	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 74261 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	5.3
10°-20°	34.6	15.1
20°-30°	53.1	23.2
30°-40°	61.9	27.0
40°-50°	49.4	21.6
50°-60°	14.6	6.4
60°-70°	1.6	0.7
70°-80°	1.2	0.5
80°-90°	0.5	0.2
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°	99.8	43.6
0°-40°	161.6	70.6
0°-60°	225.7	98.5
0°-90°	229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	229.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	137	137	137	137	137	
5°	211	192	132	68	45	21
15°	304	248	79	5	4	84
25°	298	284	15	3	3	142
35°	342	240	3	3	3	213
45°	305	96	1	3	4	220
55°	69	1	1	3	4	74
65°	1	1	1	3	3	1
75°	0	0	1	2	3	0
85°	0	0	0	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3
2.5°	179.0	179.0	178.4	178.6	178.2	176.0	175.6	172.9	170.5	167.9	165.7
5°	210.9	211.3	210.7	209.5	207.9	206.3	202.9	200.3	196.9	192.0	187.4
7.5°	229.0	228.6	227.6	227.2	226.2	224.4	222.0	219.2	215.2	210.3	204.9
10°	250.4	247.1	246.1	244.5	241.3	237.7	233.5	229.8	226.4	221.8	216.0
12.5°	285.1	284.5	280.5	277.5	273.1	265.2	258.0	249.6	239.7	231.7	224.2
15°	304.1	304.5	302.8	300.4	297.6	291.0	283.9	274.1	262.4	248.5	236.1
17.5°	307.5	308.1	307.1	306.1	305.3	301.6	297.2	290.2	279.5	266.6	248.3
20°	304.7	305.9	306.1	307.3	308.9	307.3	303.8	299.0	290.0	276.5	259.0
22.5°	298.6	300.8	302.4	306.5	310.7	310.7	308.5	304.7	296.0	282.7	264.8
25°	298.2	298.6	299.2	305.9	312.5	313.9	311.9	307.9	298.4	284.1	264.6
27.5°	308.1	305.5	301.6	308.3	316.1	317.3	314.5	309.1	297.8	280.9	257.8
30°	328.4	322.6	314.3	319.3	324.6	323.2	317.7	309.1	293.8	272.7	245.1
32.5°	336.2	333.0	330.0	335.4	336.4	330.6	320.7	307.9	287.4	261.2	224.2
35°	341.9	342.1	340.9	341.9	337.2	329.0	318.1	301.4	275.5	240.5	196.5
37.5°	343.9	344.3	341.7	338.2	331.0	321.7	308.5	289.4	255.6	212.0	154.8
40°	337.8	336.6	332.4	327.4	319.7	310.1	295.8	267.3	226.0	169.3	120.7
42.5°	326.8	324.8	319.9	313.9	305.7	293.6	270.7	236.3	183.6	132.1	84.5
45°	304.9	303.6	297.4	293.0	283.3	267.5	238.1	194.7	142.0	95.5	48.9
47.5°	236.9	237.1	241.9	244.1	240.7	228.2	193.5	148.0	103.6	56.9	16.5
50°	212.0	211.1	206.3	199.7	188.8	170.1	142.0	104.6	61.3	18.5	2.4
52.5°	160.9	160.9	158.5	155.2	143.6	125.5	96.1	57.9	21.5	3.2	0.6
55°	69.4	65.8	67.8	71.6	68.6	59.7	45.0	17.3	3.8	0.6	0.6
57.5°	1.0	2.4	3.6	5.8	7.8	9.3	5.0	1.8	0.6	0.6	0.6
60°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67.5°	0.4	0.4	0.4	0.6	0.4	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3
2.5°	162.5	159.1	153.6	136.7	119.2	103.0	91.5	87.1
5°	182.2	176.0	166.7	132.1	97.3	67.8	51.1	44.6
7.5°	197.7	189.8	176.2	124.1	71.4	36.2	21.7	17.1
10°	208.1	199.3	181.6	112.4	47.3	16.9	8.2	6.8
12.5°	215.6	204.7	183.6	97.3	27.8	7.8	4.4	4.0
15°	221.2	207.1	181.2	78.8	15.3	4.6	3.6	3.6
17.5°	229.0	208.3	175.4	58.1	8.8	3.4	3.4	3.4
20°	234.9	208.3	164.5	39.6	5.4	3.0	3.0	3.0
22.5°	237.9	205.1	151.2	25.1	3.8	2.8	3.0	3.0
25°	234.9	197.3	134.1	15.3	3.0	2.6	2.8	3.0
27.5°	224.0	181.8	111.2	9.7	2.4	2.6	2.8	3.0
30°	205.7	159.3	85.3	6.4	2.2	2.6	2.8	3.0
32.5°	179.8	125.9	55.3	4.2	2.0	2.6	2.8	3.0
35°	140.4	89.1	33.4	2.6	2.0	2.6	3.0	3.2
37.5°	105.2	59.5	18.1	1.6	2.0	2.6	3.0	3.2
40°	73.0	34.6	7.8	1.4	2.0	2.8	3.2	3.2
42.5°	42.4	13.7	2.0	1.2	2.0	2.8	3.2	3.4
45°	15.5	2.8	0.6	1.2	2.2	2.8	3.2	3.6
47.5°	2.2	0.6	0.6	1.2	2.2	2.8	3.4	3.6
50°	0.6	0.6	0.6	1.2	2.2	3.0	3.6	3.8
52.5°	0.6	0.6	0.6	1.2	2.2	3.0	3.6	3.8
55°	0.6	0.6	0.6	1.2	2.2	3.0	3.6	3.8
57.5°	0.6	0.6	0.6	1.2	2.2	3.0	3.6	3.8
60°	0.6	0.6	0.6	1.2	2.0	3.0	3.6	3.8
62.5°	0.6	0.6	0.6	1.2	2.0	2.8	3.4	3.6
65°	0.6	0.6	0.6	1.2	1.8	2.6	3.4	3.4
67.5°	0.6	0.6	0.6	1.0	1.8	2.6	3.2	3.4
70°	0.6	0.6	0.6	1.0	1.6	2.4	3.0	3.2
72.5°	0.6	0.6	0.6	0.8	1.4	2.2	2.8	3.0
75°	0.4	0.6	0.6	0.8	1.4	2.0	2.6	2.8
77.5°	0.4	0.6	0.6	0.6	1.2	1.6	2.2	2.4
80°	0.4	0.4	0.6	0.6	1.0	1.4	1.8	2.0
82.5°	0.4	0.4	0.4	0.6	0.8	1.0	1.4	1.4
85°	0.4	0.4	0.4	0.4	0.6	0.8	1.0	1.0
87.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)