

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: P1321049

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCA30R 1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321049
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 80CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

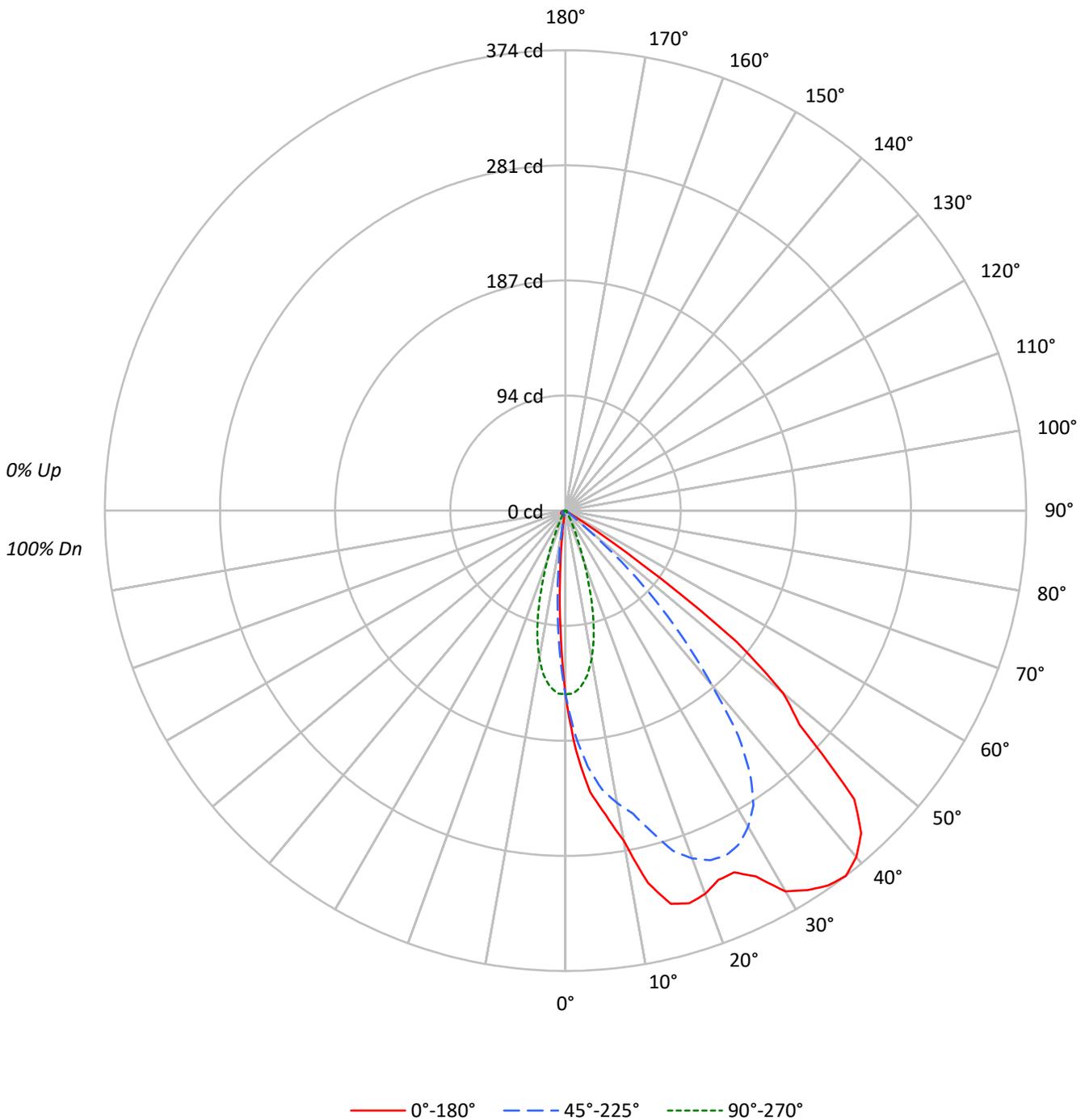
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 248.9 lumens
Efficiency: N/A
Efficacy: 85.8 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	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73
4	92	82	75	70	90	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	69	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°	25696	25696	25696	25696	25696
5°	39641	36080	24826	12759	8367
10°	47620	42181	21370	3218	1294
15°	58963	48158	15280	891	695
20°	60738	55093	7881	586	586
25°	61607	58699	3173	532	608
30°	71015	58964	1372	557	636
35°	78169	54979	589	589	736
40°	82577	41389	337	674	787
45°	80764	25281	317	731	950
50°	61785	5385	348	857	1099
55°	22670	180	390	961	1231
60°	207	207	448	1102	1412
65°	245	245	530	1141	1508
70°	201	302	554	1309	1762
75°	133	266	599	1464	1996
80°	198	397	595	1488	2182
85°	0	395	790	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 80764 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	5.3
10°-20°	37.6	15.1
20°-30°	57.7	23.2
30°-40°	67.3	27.0
40°-50°	53.7	21.6
50°-60°	15.9	6.4
60°-70°	1.7	0.7
70°-80°	1.3	0.5
80°-90°	0.6	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°	108.5	43.6
0°-40°	175.7	70.6
0°-60°	245.4	98.6
0°-90°	248.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	248.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	149	149	149	149	149	
5°	229	209	144	74	48	23
15°	331	270	86	5	4	91
25°	324	309	17	3	3	154
35°	372	262	3	3	4	232
45°	332	104	1	3	4	239
55°	76	1	1	3	4	80
65°	1	1	1	3	4	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°	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2
2.5°	194.7	194.7	194.0	194.2	193.8	191.4	191.0	188.0	185.4	182.6	180.2
5°	229.3	229.7	229.1	227.8	226.0	224.3	220.6	217.8	214.1	208.7	203.7
7.5°	249.0	248.5	247.4	247.0	245.9	244.0	241.4	238.4	234.0	228.6	222.8
10°	272.3	268.6	267.6	265.8	262.4	258.5	253.9	249.8	246.1	241.2	234.9
12.5°	309.9	309.3	305.0	301.7	297.0	288.3	280.5	271.4	260.6	252.0	243.8
15°	330.7	331.1	329.2	326.6	323.6	316.4	308.6	298.1	285.3	270.1	256.7
17.5°	334.4	335.0	334.0	332.9	332.0	327.9	323.1	315.6	303.9	289.8	269.9
20°	331.4	332.7	332.9	334.2	335.9	334.2	330.3	325.1	315.4	300.6	281.6
22.5°	324.7	327.0	328.8	333.3	337.8	337.8	335.5	331.4	321.8	307.4	287.9
25°	324.2	324.7	325.3	332.7	339.8	341.3	339.1	334.8	324.4	308.9	287.7
27.5°	335.0	332.2	327.9	335.3	343.7	345.0	342.0	336.1	323.8	305.4	280.3
30°	357.1	350.8	341.7	347.1	353.0	351.5	345.4	336.1	319.5	296.5	266.5
32.5°	365.5	362.1	358.8	364.7	365.8	359.5	348.7	334.8	312.5	284.0	243.8
35°	371.8	372.0	370.7	371.8	366.6	357.7	345.9	327.7	299.6	261.5	213.7
37.5°	374.0	374.4	371.6	367.7	359.9	349.7	335.5	314.7	277.9	230.6	168.3
40°	367.3	366.0	361.4	356.0	347.6	337.2	321.6	290.7	245.7	184.1	131.3
42.5°	355.4	353.2	347.8	341.3	332.4	319.2	294.4	257.0	199.6	143.6	91.9
45°	331.6	330.1	323.4	318.6	308.0	290.9	258.9	211.8	154.4	103.8	53.2
47.5°	257.6	257.8	263.0	265.4	261.7	248.1	210.5	160.9	112.7	61.9	18.0
50°	230.6	229.5	224.3	217.2	205.3	184.9	154.4	113.8	66.6	20.1	2.6
52.5°	175.0	175.0	172.4	168.7	156.2	136.5	104.5	62.9	23.4	3.5	0.6
55°	75.5	71.6	73.8	77.9	74.6	64.9	48.9	18.8	4.1	0.6	0.6
57.5°	1.1	2.6	3.9	6.3	8.4	10.2	5.4	1.9	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°	149.2	149.2	149.2	149.2	149.2	149.2	149.2	149.2
2.5°	176.7	173.0	167.0	148.6	129.6	112.0	99.5	94.7
5°	198.1	191.4	181.3	143.6	105.8	73.8	55.6	48.4
7.5°	215.0	206.3	191.6	135.0	77.6	39.4	23.6	18.6
10°	226.2	216.7	197.5	122.2	51.5	18.4	8.9	7.4
12.5°	234.5	222.6	199.6	105.8	30.3	8.4	4.8	4.3
15°	240.5	225.2	197.0	85.7	16.7	5.0	3.9	3.9
17.5°	249.0	226.5	190.8	63.2	9.5	3.7	3.7	3.7
20°	255.4	226.5	178.9	43.0	5.8	3.2	3.2	3.2
22.5°	258.7	223.0	164.4	27.3	4.1	3.0	3.2	3.2
25°	255.4	214.6	145.8	16.7	3.2	2.8	3.0	3.2
27.5°	243.5	197.7	120.9	10.6	2.6	2.8	3.0	3.2
30°	223.6	173.3	92.8	6.9	2.4	2.8	3.0	3.2
32.5°	195.5	136.9	60.1	4.5	2.2	2.8	3.0	3.2
35°	152.7	96.9	36.3	2.8	2.2	2.8	3.2	3.5
37.5°	114.4	64.7	19.7	1.7	2.2	2.8	3.2	3.5
40°	79.4	37.6	8.4	1.5	2.2	3.0	3.5	3.5
42.5°	46.1	14.9	2.2	1.3	2.2	3.0	3.5	3.7
45°	16.9	3.0	0.6	1.3	2.4	3.0	3.5	3.9
47.5°	2.4	0.6	0.6	1.3	2.4	3.0	3.7	3.9
50°	0.6	0.6	0.6	1.3	2.4	3.2	3.9	4.1
52.5°	0.6	0.6	0.6	1.3	2.4	3.2	3.9	4.1
55°	0.6	0.6	0.6	1.3	2.4	3.2	3.9	4.1
57.5°	0.6	0.6	0.6	1.3	2.4	3.2	3.9	4.1
60°	0.6	0.6	0.6	1.3	2.2	3.2	3.9	4.1
62.5°	0.6	0.6	0.6	1.3	2.2	3.0	3.7	3.9
65°	0.6	0.6	0.6	1.3	1.9	2.8	3.7	3.7
67.5°	0.6	0.6	0.6	1.1	1.9	2.8	3.5	3.7
70°	0.6	0.6	0.6	1.1	1.7	2.6	3.2	3.5
72.5°	0.6	0.6	0.6	0.9	1.5	2.4	3.0	3.2
75°	0.4	0.6	0.6	0.9	1.5	2.2	2.8	3.0
77.5°	0.4	0.6	0.6	0.6	1.3	1.7	2.4	2.6
80°	0.4	0.4	0.6	0.6	1.1	1.5	1.9	2.2
82.5°	0.4	0.4	0.4	0.6	0.9	1.1	1.5	1.5
85°	0.4	0.4	0.4	0.4	0.6	0.9	1.1	1.1
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)