

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: P1321048

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCA30R 1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321048
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 80CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

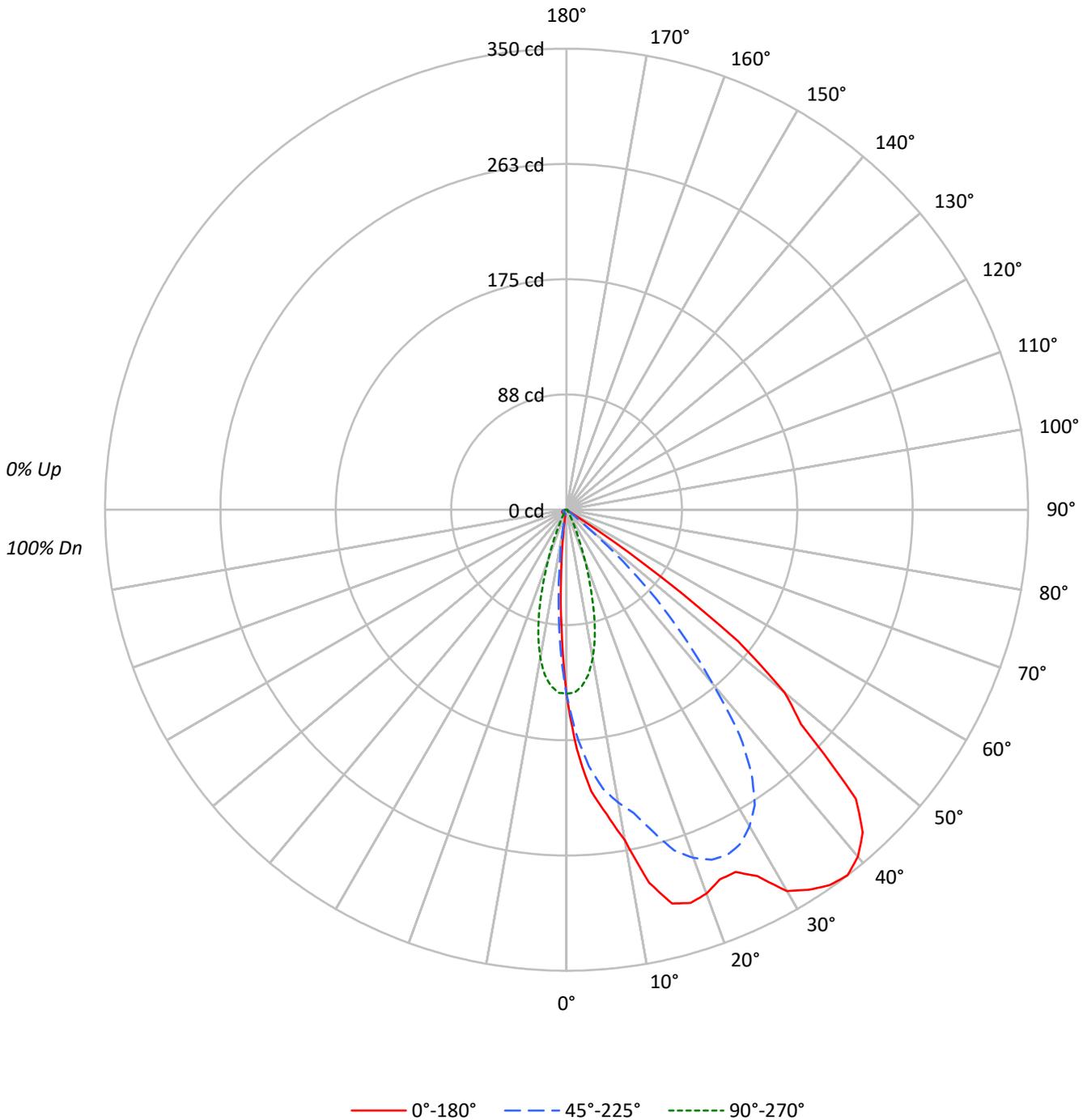
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 232.9 lumens
Efficiency: N/A
Efficacy: 80.3 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°	24060	24060	24060	24060	24060
5°	37083	33764	23235	11929	7831
10°	44559	39470	20006	3008	1207
15°	55183	45074	14282	838	642
20°	56834	51555	7386	550	550
25°	57654	54918	2964	494	570
30°	66461	55185	1293	517	597
35°	73144	51447	547	547	673
40°	77271	38714	315	629	719
45°	75577	23650	292	682	877
50°	57819	5037	322	804	1018
55°	21198	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: 75577 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	5.3
10°-20°	35.2	15.1
20°-30°	54.0	23.2
30°-40°	62.9	27.0
40°-50°	50.3	21.6
50°-60°	14.9	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°	101.5	43.6
0°-40°	164.4	70.6
0°-60°	229.6	98.6
0°-90°	232.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	232.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	140	140	140	140	140	
5°	214	195	134	69	45	21
15°	310	253	80	5	4	85
25°	303	289	16	3	3	144
35°	348	245	3	3	3	217
45°	310	97	1	3	4	224
55°	71	1	1	3	4	75
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°	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7
2.5°	182.2	182.2	181.5	181.8	181.3	179.1	178.7	175.9	173.5	170.8	168.6
5°	214.5	214.9	214.3	213.1	211.5	209.9	206.4	203.8	200.4	195.3	190.7
7.5°	233.0	232.6	231.5	231.1	230.1	228.3	225.9	223.0	219.0	213.9	208.5
10°	254.8	251.4	250.4	248.7	245.5	241.9	237.6	233.8	230.3	225.7	219.8
12.5°	290.0	289.4	285.4	282.3	277.9	269.8	262.5	254.0	243.9	235.8	228.1
15°	309.5	309.9	308.0	305.6	302.8	296.1	288.8	278.9	267.0	252.8	240.2
17.5°	312.9	313.5	312.5	311.5	310.7	306.8	302.4	295.3	284.4	271.2	252.6
20°	310.1	311.3	311.5	312.7	314.3	312.7	309.1	304.2	295.1	281.3	263.5
22.5°	303.8	306.0	307.6	311.9	316.1	316.1	313.9	310.1	301.2	287.6	269.4
25°	303.4	303.8	304.4	311.3	318.0	319.4	317.4	313.3	303.6	289.0	269.2
27.5°	313.5	310.9	306.8	313.7	321.6	322.8	320.0	314.5	303.0	285.8	262.3
30°	334.2	328.3	319.8	324.8	330.3	328.9	323.2	314.5	298.9	277.5	249.3
32.5°	342.0	338.8	335.8	341.2	342.2	336.4	326.3	313.3	292.5	265.7	228.1
35°	347.9	348.1	346.9	347.9	343.1	334.8	323.6	306.6	280.3	244.7	200.0
37.5°	349.9	350.3	347.7	344.1	336.8	327.3	313.9	294.5	260.1	215.8	157.5
40°	343.7	342.5	338.2	333.1	325.2	315.5	301.0	272.0	229.9	172.2	122.9
42.5°	332.5	330.5	325.5	319.4	311.1	298.7	275.5	240.4	186.8	134.4	86.0
45°	310.3	308.9	302.6	298.1	288.2	272.2	242.3	198.1	144.5	97.1	49.8
47.5°	241.1	241.3	246.1	248.3	244.9	232.1	196.9	150.6	105.4	57.9	16.8
50°	215.8	214.7	209.9	203.2	192.1	173.0	144.5	106.5	62.3	18.8	2.4
52.5°	163.7	163.7	161.3	157.9	146.1	127.7	97.8	58.9	21.9	3.2	0.6
55°	70.6	67.0	69.0	72.9	69.8	60.7	45.7	17.6	3.8	0.6	0.6
57.5°	1.0	2.4	3.6	5.9	7.9	9.5	5.1	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°	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7
2.5°	165.4	161.9	156.2	139.0	121.2	104.8	93.1	88.6
5°	185.4	179.1	169.6	134.4	99.0	69.0	52.0	45.3
7.5°	201.2	193.1	179.3	126.3	72.7	36.8	22.1	17.4
10°	211.7	202.8	184.8	114.4	48.2	17.2	8.3	6.9
12.5°	219.4	208.3	186.8	99.0	28.3	7.9	4.5	4.0
15°	225.1	210.7	184.4	80.1	15.6	4.7	3.6	3.6
17.5°	233.0	211.9	178.5	59.1	8.9	3.4	3.4	3.4
20°	239.0	211.9	167.4	40.3	5.5	3.0	3.0	3.0
22.5°	242.1	208.7	153.8	25.5	3.8	2.8	3.0	3.0
25°	239.0	200.8	136.4	15.6	3.0	2.6	2.8	3.0
27.5°	227.9	185.0	113.1	9.9	2.4	2.6	2.8	3.0
30°	209.3	162.1	86.8	6.5	2.2	2.6	2.8	3.0
32.5°	183.0	128.1	56.3	4.3	2.0	2.6	2.8	3.0
35°	142.9	90.7	34.0	2.6	2.0	2.6	3.0	3.2
37.5°	107.1	60.5	18.4	1.6	2.0	2.6	3.0	3.2
40°	74.3	35.2	7.9	1.4	2.0	2.8	3.2	3.2
42.5°	43.1	14.0	2.0	1.2	2.0	2.8	3.2	3.4
45°	15.8	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)