

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: P1321126

Luminaire Tested: LDSQA3D02R65B2750DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321126
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R65B2750DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R65 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

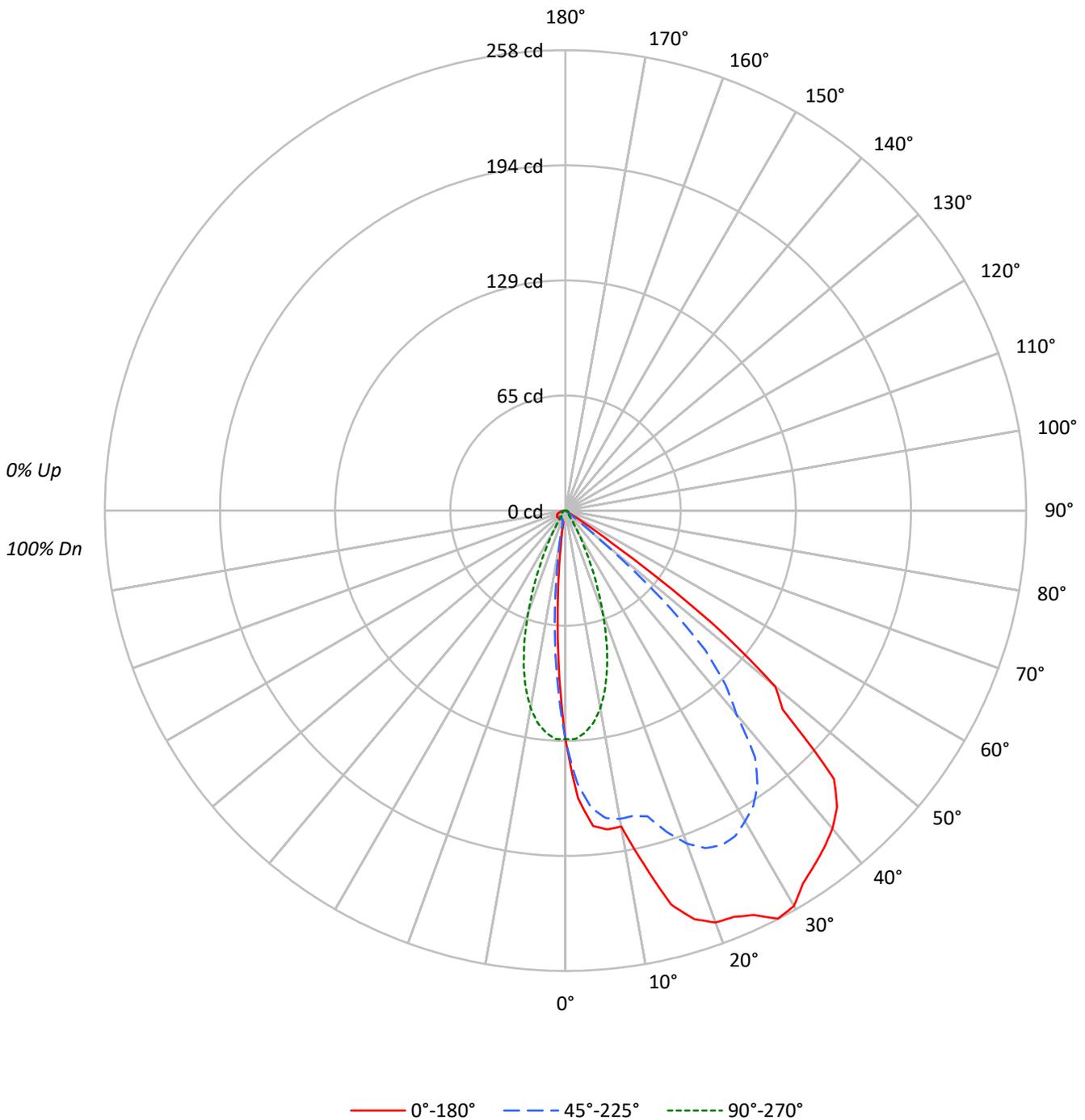
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 192.0 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 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	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22062	22062	22062	22062	22062
5°	30669	28940	21593	11860	8350
10°	31443	30674	19639	3323	1224
15°	40741	31630	16082	1070	1034
20°	45012	36380	11198	953	990
25°	47507	39317	6328	912	988
30°	50870	39992	2864	915	1034
35°	51047	39400	925	967	1135
40°	52293	33453	629	1034	1259
45°	51805	26962	633	1120	1364
50°	41101	6350	643	1232	1554
55°	9758	360	661	1381	1742
60°	344	413	758	1447	1860
65°	408	408	734	1549	2038
70°	302	403	705	1511	2115
75°	266	399	665	1597	2129
80°	198	397	793	1587	2182
85°	395	790	790	1581	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 51903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	5.6
10°-20°	28.2	14.7
20°-30°	44.2	23.0
30°-40°	50.6	26.3
40°-50°	40.7	21.2
50°-60°	13.2	6.9
60°-70°	2.4	1.2
70°-80°	1.6	0.8
80°-90°	0.6	0.3
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°	83.1	43.3
0°-40°	133.7	69.6
0°-60°	187.6	97.7
0°-90°	192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	192.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	128	128	128	128	128	
5°	177	167	125	69	48	17
15°	228	177	90	6	6	64
25°	250	207	33	5	5	116
35°	243	187	4	5	5	152
45°	213	111	3	5	6	153
55°	32	1	2	5	6	46
65°	1	1	2	4	5	1
75°	0	1	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°	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1
2.5°	161.2	160.6	161.4	160.0	159.8	158.4	157.6	157.2	155.4	153.0	150.8
5°	177.4	175.0	175.6	175.4	174.4	173.8	173.0	172.0	169.6	167.4	164.6
7.5°	180.2	178.2	178.6	178.8	178.2	178.0	177.8	177.4	175.8	173.8	171.4
10°	179.8	177.8	177.6	177.0	176.4	176.6	176.6	176.6	176.2	175.4	174.6
12.5°	202.9	200.1	199.5	195.3	191.5	185.0	180.8	176.8	175.0	175.2	174.6
15°	228.5	228.3	226.3	222.3	215.9	209.9	200.3	193.1	184.0	177.4	174.6
17.5°	240.0	239.8	238.0	234.6	230.1	224.5	217.5	209.1	198.9	188.8	180.4
20°	245.6	247.0	245.0	242.2	237.8	232.6	226.1	218.5	208.9	198.5	188.6
22.5°	246.4	248.2	246.4	244.4	241.2	237.8	232.2	224.5	214.7	204.7	194.9
25°	250.0	250.6	246.8	244.2	241.2	238.8	234.4	227.7	217.7	206.9	197.3
27.5°	257.8	255.2	247.2	243.6	240.8	238.6	234.4	227.5	216.7	205.7	195.7
30°	255.8	254.8	247.8	244.4	242.0	239.8	234.6	225.7	212.7	201.1	190.7
32.5°	247.6	249.6	247.2	246.0	244.8	242.0	234.4	222.3	207.7	195.9	182.0
35°	242.8	245.2	245.4	245.4	244.0	239.8	230.9	217.3	202.7	187.4	168.6
37.5°	238.0	240.0	241.2	242.0	240.0	234.0	222.7	210.5	194.5	174.4	141.5
40°	232.6	234.0	235.0	235.4	232.4	224.7	214.3	200.5	182.6	148.8	126.3
42.5°	225.1	225.9	225.7	225.5	222.3	213.7	203.9	189.6	154.0	132.7	105.4
45°	212.7	211.9	213.1	213.1	208.9	202.5	189.6	161.6	137.9	110.7	67.8
47.5°	164.8	165.4	171.2	180.6	186.4	184.6	167.0	141.5	115.9	72.6	22.5
50°	153.4	152.8	153.0	154.0	154.6	149.6	137.1	119.5	76.6	23.7	1.6
52.5°	103.0	103.6	108.1	118.7	122.1	118.5	106.5	79.8	27.9	1.6	1.4
55°	32.5	34.7	37.3	42.9	52.7	58.9	57.7	28.3	1.8	1.2	1.4
57.5°	1.2	1.2	1.6	2.8	5.4	8.8	9.2	1.8	1.4	1.4	1.4
60°	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.2
62.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0
70°	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8
75°	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6
80°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	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°	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1
2.5°	149.6	147.3	142.5	128.1	113.1	98.2	88.8	86.4
5°	161.4	158.6	151.8	124.9	94.6	68.6	53.9	48.3
7.5°	168.6	165.2	157.2	119.9	73.6	39.9	23.9	19.2
10°	171.8	168.8	159.8	112.3	53.3	19.0	8.4	7.0
12.5°	173.2	170.8	160.8	102.4	34.7	8.4	6.2	6.0
15°	173.8	171.2	160.4	90.2	19.8	6.0	5.8	5.8
17.5°	174.4	171.4	158.0	76.2	11.0	5.6	5.4	5.6
20°	179.2	170.6	153.8	61.1	7.2	5.2	5.2	5.4
22.5°	184.0	170.4	146.5	46.7	5.6	5.0	5.2	5.2
25°	185.6	168.4	137.1	33.3	4.8	4.8	5.0	5.2
27.5°	182.6	162.6	124.5	22.5	4.2	4.8	5.0	5.2
30°	175.6	152.8	109.3	14.4	4.0	4.6	5.0	5.2
32.5°	162.6	133.5	92.4	8.6	3.8	4.6	5.2	5.2
35°	136.7	111.9	73.2	4.4	3.8	4.6	5.2	5.4
37.5°	119.5	93.4	51.1	3.0	3.8	4.6	5.2	5.4
40°	99.2	67.4	21.3	2.8	3.8	4.6	5.2	5.6
42.5°	68.6	29.3	3.4	2.6	3.6	4.6	5.4	5.6
45°	24.7	3.8	1.6	2.6	3.6	4.6	5.4	5.6
47.5°	2.2	1.4	1.6	2.6	3.6	4.6	5.4	5.8
50°	1.4	1.4	1.4	2.4	3.6	4.6	5.4	5.8
52.5°	1.4	1.4	1.4	2.4	3.4	4.6	5.6	5.8
55°	1.4	1.4	1.4	2.2	3.4	4.6	5.4	5.8
57.5°	1.4	1.4	1.6	2.2	3.4	4.4	5.4	5.6
60°	1.4	1.4	1.4	2.2	3.2	4.2	5.2	5.4
62.5°	1.2	1.4	1.4	2.0	3.0	4.0	5.0	5.2
65°	1.2	1.2	1.4	1.8	2.8	3.8	4.6	5.0
67.5°	1.0	1.2	1.2	1.6	2.4	3.4	4.2	4.6
70°	1.0	1.0	1.0	1.4	2.2	3.0	4.0	4.2
72.5°	0.8	1.0	1.0	1.2	1.8	2.6	3.4	3.8
75°	0.8	0.8	0.8	1.0	1.6	2.4	3.0	3.2
77.5°	0.6	0.6	0.8	0.8	1.4	1.8	2.6	2.8
80°	0.6	0.6	0.6	0.8	1.0	1.6	2.0	2.2
82.5°	0.4	0.4	0.4	0.6	0.8	1.0	1.4	1.6
85°	0.4	0.4	0.4	0.4	0.6	0.8	1.0	1.0
87.5°	0.2	0.2	0.2	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)