

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: P1321125

Luminaire Tested: LDSQA3D02R65B2750DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321125
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R65 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

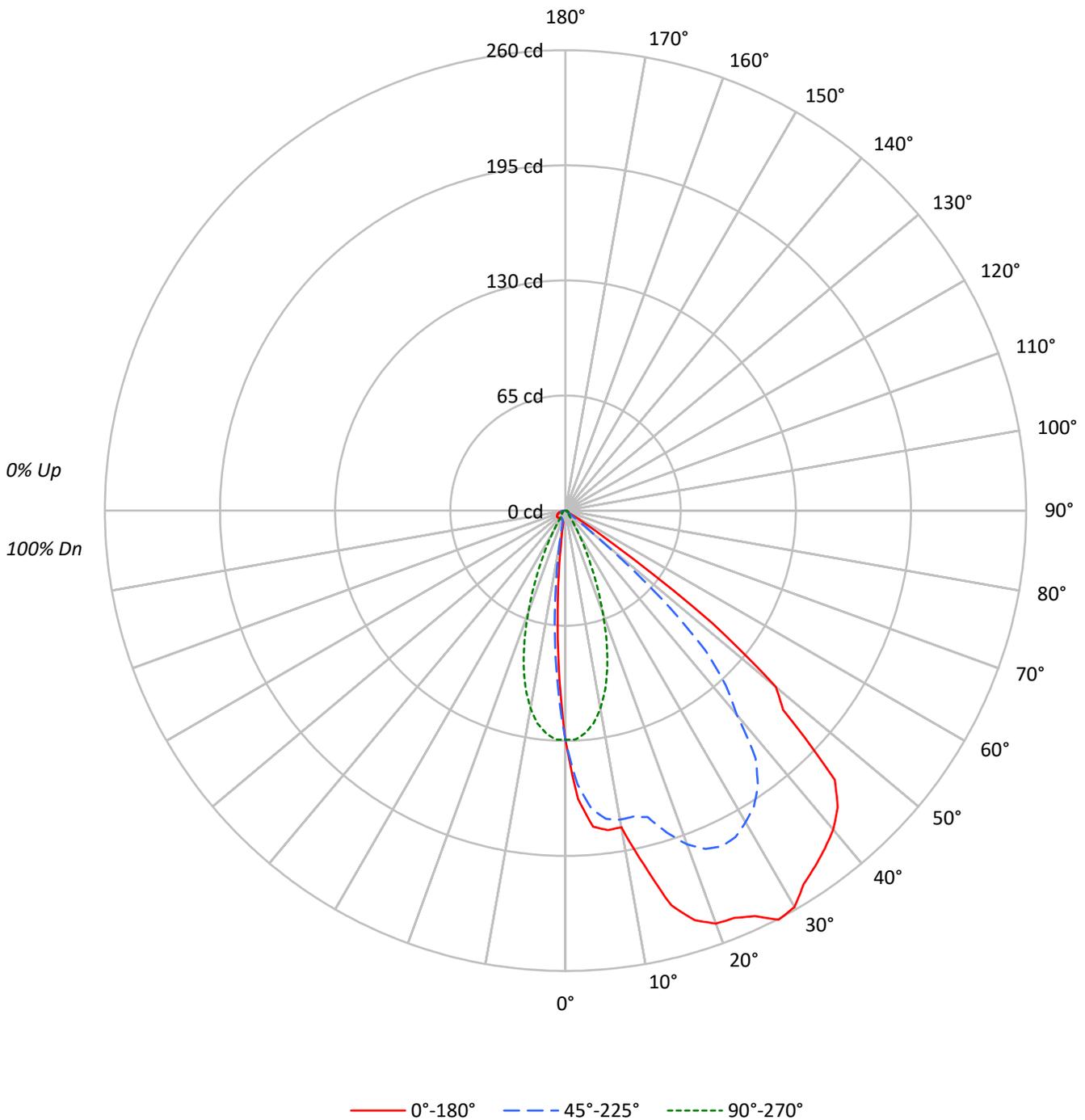
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 193.9 lumens
Efficiency: N/A
Efficacy: 66.9 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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100	
1	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	91	
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81	
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72	
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	74	70	67	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58	
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22286	22286	22286	22286	22286
5°	30980	29234	21818	11998	8437
10°	31758	30989	19849	3358	1242
15°	41151	31951	16243	1070	1034
20°	45489	36765	11308	953	990
25°	48001	39735	6404	912	988
30°	51407	40409	2884	915	1034
35°	51594	39799	925	967	1135
40°	52855	33813	629	1034	1259
45°	52341	27254	633	1120	1364
50°	41529	6430	643	1232	1554
55°	9879	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: 52438 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	5.6
10°-20°	28.4	14.7
20°-30°	44.7	23.0
30°-40°	51.1	26.4
40°-50°	41.1	21.2
50°-60°	13.3	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°	83.9	43.3
0°-40°	135.0	69.6
0°-60°	189.4	97.7
0°-90°	193.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	193.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	129	129	129	129	129	
5°	179	169	126	69	49	17
15°	231	179	91	6	6	64
25°	253	209	34	5	5	118
35°	245	189	4	5	5	154
45°	215	112	3	5	6	155
55°	33	1	2	5	6	47
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°	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4
2.5°	162.9	162.3	163.1	161.7	161.5	160.1	159.3	158.9	157.1	154.6	152.4
5°	179.2	176.8	177.4	177.2	176.2	175.6	174.8	173.8	171.4	169.1	166.3
7.5°	182.0	180.0	180.4	180.6	180.0	179.8	179.6	179.2	177.6	175.6	173.2
10°	181.6	179.6	179.4	178.8	178.2	178.4	178.4	178.4	178.0	177.2	176.4
12.5°	205.0	202.2	201.6	197.4	193.5	186.9	182.7	178.6	176.8	177.0	176.4
15°	230.8	230.6	228.6	224.6	218.1	212.1	202.4	195.2	185.9	179.2	176.4
17.5°	242.5	242.3	240.5	237.1	232.5	226.8	219.7	211.3	201.0	190.7	182.3
20°	248.2	249.6	247.6	244.7	240.3	235.1	228.4	220.8	211.1	200.6	190.5
22.5°	249.0	250.8	249.0	247.0	243.7	240.3	234.7	226.8	216.9	206.8	197.0
25°	252.6	253.2	249.4	246.8	243.7	241.3	236.9	230.0	220.0	209.1	199.4
27.5°	260.5	257.9	249.8	246.2	243.3	241.1	236.9	229.8	218.9	207.9	197.8
30°	258.5	257.5	250.4	247.0	244.5	242.3	237.1	228.0	214.9	203.2	192.7
32.5°	250.2	252.2	249.8	248.6	247.4	244.5	236.9	224.6	209.9	198.0	183.9
35°	245.4	247.8	248.0	248.0	246.6	242.3	233.3	219.5	204.8	189.3	170.4
37.5°	240.5	242.5	243.7	244.5	242.5	236.5	225.0	212.7	196.6	176.2	142.9
40°	235.1	236.5	237.5	237.9	234.9	227.0	216.5	202.6	184.5	150.4	127.6
42.5°	227.4	228.2	228.0	227.8	224.6	215.9	206.0	191.5	155.6	134.1	106.4
45°	214.9	214.1	215.3	215.3	211.1	204.6	191.5	163.3	139.3	111.9	68.5
47.5°	166.5	167.1	173.0	182.5	188.3	186.5	168.7	142.9	117.1	73.4	22.8
50°	155.0	154.4	154.6	155.6	156.2	151.2	138.5	120.8	77.4	24.0	1.6
52.5°	104.0	104.6	109.3	120.0	123.4	119.8	107.7	80.6	28.2	1.6	1.4
55°	32.9	35.1	37.7	43.3	53.2	59.5	58.3	28.6	1.8	1.2	1.4
57.5°	1.2	1.2	1.6	2.8	5.4	8.9	9.3	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°	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4
2.5°	151.2	148.8	143.9	129.4	114.3	99.2	89.7	87.3
5°	163.1	160.3	153.4	126.2	95.6	69.4	54.4	48.8
7.5°	170.4	166.9	158.9	121.2	74.4	40.3	24.2	19.4
10°	173.6	170.6	161.5	113.5	53.8	19.2	8.5	7.1
12.5°	175.0	172.6	162.5	103.4	35.1	8.5	6.2	6.0
15°	175.6	173.0	162.1	91.1	20.0	6.0	5.8	5.8
17.5°	176.2	173.2	159.7	77.0	11.1	5.6	5.4	5.6
20°	181.0	172.4	155.4	61.7	7.3	5.2	5.2	5.4
22.5°	185.9	172.2	148.0	47.2	5.6	5.0	5.2	5.2
25°	187.5	170.2	138.5	33.7	4.8	4.8	5.0	5.2
27.5°	184.5	164.3	125.8	22.8	4.2	4.8	5.0	5.2
30°	177.4	154.4	110.5	14.5	4.0	4.6	5.0	5.2
32.5°	164.3	134.9	93.3	8.7	3.8	4.6	5.2	5.2
35°	138.1	113.1	74.0	4.4	3.8	4.6	5.2	5.4
37.5°	120.8	94.4	51.6	3.0	3.8	4.6	5.2	5.4
40°	100.2	68.1	21.6	2.8	3.8	4.6	5.2	5.6
42.5°	69.4	29.6	3.4	2.6	3.6	4.6	5.4	5.6
45°	25.0	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)