

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: P1320951

Luminaire Tested: LDSQA3D02R45B2750DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R45B2750DE010 3LSQCA30R 1MMS_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

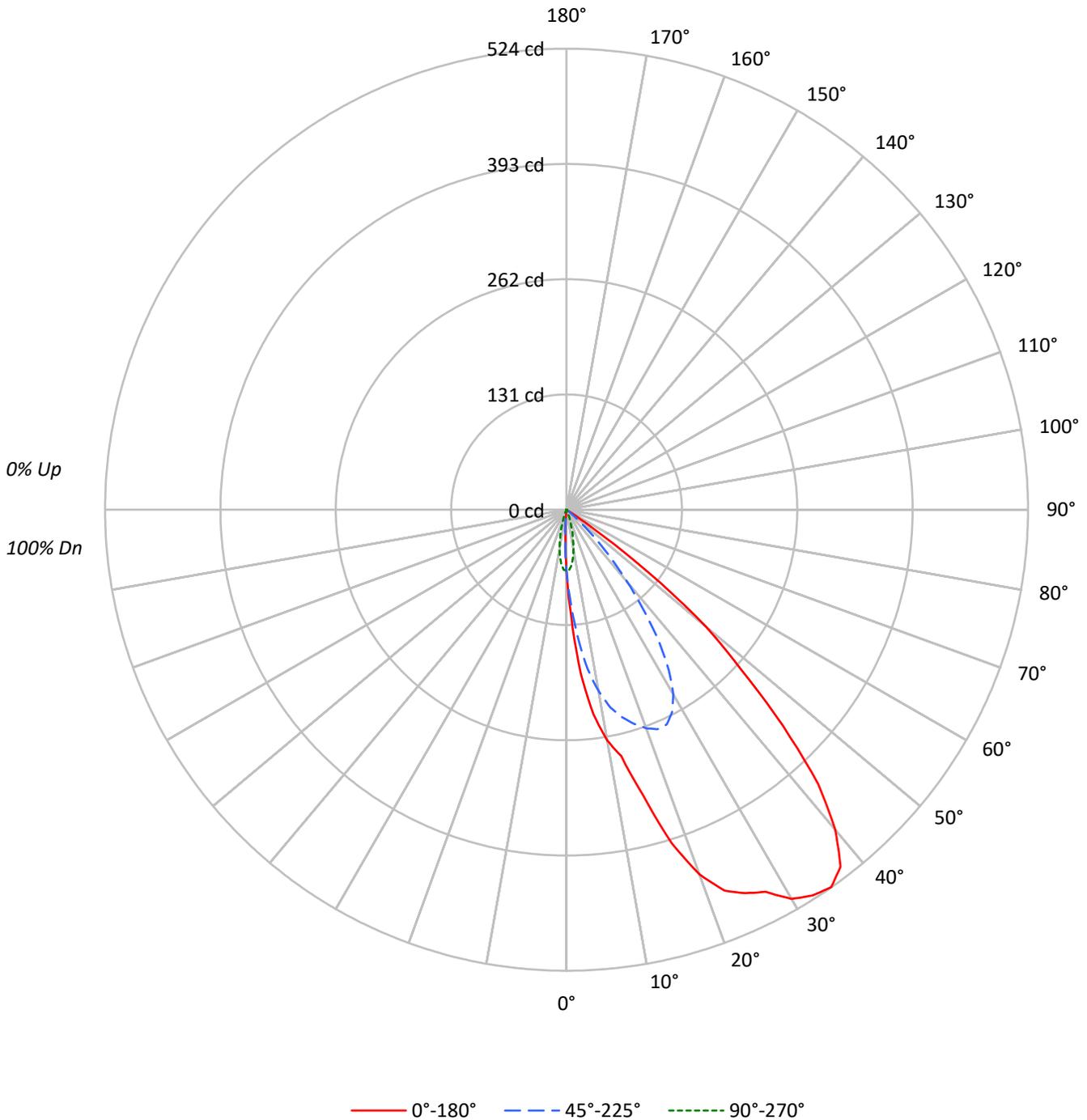
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 222.0 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
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	100				
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91				
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82				
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74				
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67				
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60				
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54				
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49				
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44				
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40				
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11866	11866	11866	11866	11866
5°	32415	24947	10995	2213	830
10°	46553	36585	7940	210	175
15°	59944	43523	4226	71	0
20°	80788	48421	1613	0	0
25°	91365	51155	418	0	0
30°	101561	48225	40	0	0
35°	110105	38454	0	0	0
40°	106722	24146	0	0	0
45°	84588	11496	0	0	0
50°	55355	1447	0	0	0
55°	9518	0	0	0	0
60°	0	0	69	0	0
65°	0	82	82	0	0
70°	0	101	201	0	0
75°	0	133	266	0	0
80°	0	198	397	198	0
85°	0	395	790	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 84588 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	3.7
10°-20°	31.6	14.2
20°-30°	59.2	26.7
30°-40°	69.1	31.1
40°-50°	45.1	20.3
50°-60°	8.4	3.8
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	0.1
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°	99.0	44.6
0°-40°	168.1	75.7
0°-60°	221.6	99.8
0°-90°	222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	222.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	69	69	69	69	69	
5°	188	144	64	13	5	20
15°	336	244	24	0	0	100
25°	481	269	2	0	0	222
35°	524	183	0	0	0	321
45°	347	47	0	0	0	264
55°	32	0	0	0	0	55
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2.5°	121.6	122.6	120.6	119.8	117.2	117.8	113.4	111.6	108.8	104.2	102.0
5°	187.5	185.7	184.1	180.7	178.7	173.4	167.4	160.6	152.4	144.3	134.9
7.5°	234.5	233.1	232.5	229.8	225.8	220.2	212.4	203.9	193.3	182.3	168.2
10°	266.2	264.8	262.4	259.6	256.5	251.9	244.3	234.9	223.4	209.2	192.7
12.5°	286.9	286.7	282.8	279.6	275.6	271.6	263.8	256.3	244.9	230.4	211.6
15°	336.2	333.0	327.8	318.8	307.7	297.3	284.8	272.8	260.4	244.1	223.2
17.5°	397.5	394.0	385.2	373.8	355.9	336.2	314.6	295.7	277.2	255.1	230.4
20°	440.8	439.4	432.0	418.9	399.7	373.6	345.3	318.6	292.5	264.2	233.7
22.5°	468.5	467.7	464.7	455.7	436.2	406.9	370.4	334.6	303.1	270.0	232.7
25°	480.8	481.8	482.2	477.8	462.1	432.2	389.0	346.7	309.1	269.2	225.2
27.5°	489.6	489.6	491.2	489.2	473.3	441.8	396.1	350.9	307.1	259.4	209.2
30°	510.7	510.3	511.3	505.9	483.8	444.8	393.0	344.1	295.7	242.5	186.3
32.5°	519.9	520.3	520.1	511.5	485.8	442.8	385.2	331.2	274.8	216.0	156.0
35°	523.7	521.9	514.5	495.0	462.5	416.3	363.3	309.3	245.5	182.9	123.1
37.5°	511.1	505.9	489.6	462.9	423.2	378.8	327.0	270.0	206.6	143.5	92.7
40°	474.7	467.9	447.4	415.1	378.8	338.8	284.2	224.0	161.6	107.4	65.0
42.5°	423.0	415.3	393.2	365.1	332.0	289.9	235.5	175.4	118.4	74.1	41.2
45°	347.3	342.9	330.2	306.5	274.0	230.4	180.5	127.9	81.9	47.2	21.1
47.5°	268.6	263.0	253.9	237.5	210.4	169.0	126.3	86.9	52.6	23.3	4.4
50°	206.6	200.1	188.9	170.8	142.5	112.8	81.9	54.2	26.7	5.4	0.2
52.5°	119.0	120.4	115.0	103.4	87.7	67.6	47.4	27.3	6.0	0.2	0.0
55°	31.7	34.3	33.5	36.1	31.7	26.7	19.7	5.2	0.4	0.0	0.0
57.5°	0.0	0.0	0.2	0.4	1.2	1.8	0.6	0.2	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
2.5°	97.0	92.9	87.7	68.5	51.6	37.1	28.9	26.7
5°	125.9	115.8	102.6	63.6	31.9	12.8	5.8	4.8
7.5°	153.2	138.3	114.6	55.6	16.1	3.2	1.6	1.4
10°	174.4	154.2	123.3	45.4	6.0	1.2	1.0	1.0
12.5°	188.9	164.4	126.5	34.5	2.2	0.6	0.6	0.4
15°	197.3	168.4	123.5	23.7	0.8	0.4	0.0	0.0
17.5°	199.9	166.8	115.6	14.9	0.2	0.0	0.0	0.0
20°	197.7	159.0	103.0	8.8	0.0	0.0	0.0	0.0
22.5°	190.5	146.9	87.9	4.8	0.0	0.0	0.0	0.0
25°	177.2	129.7	70.1	2.2	0.0	0.0	0.0	0.0
27.5°	155.4	107.6	52.8	0.8	0.0	0.0	0.0	0.0
30°	130.7	83.9	37.5	0.2	0.0	0.0	0.0	0.0
32.5°	102.0	61.8	24.1	0.0	0.0	0.0	0.0	0.0
35°	76.7	43.2	14.3	0.0	0.0	0.0	0.0	0.0
37.5°	53.4	27.3	7.6	0.0	0.0	0.0	0.0	0.0
40°	33.3	14.7	2.6	0.0	0.0	0.0	0.0	0.0
42.5°	18.5	5.2	0.2	0.0	0.0	0.0	0.0	0.0
45°	4.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.2	0.4	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.4	0.4	0.2	0.0	0.0	0.0
77.5°	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.0
80°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
82.5°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
85°	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.0
87.5°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)