

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: P1321083

Luminaire Tested: LDSQA3D02R60B2750DE010 3LSQCA30R 1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R60B2750DE010 3LSQCA30R 1MB_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R60 optic, 4000K CCT AND, 80CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

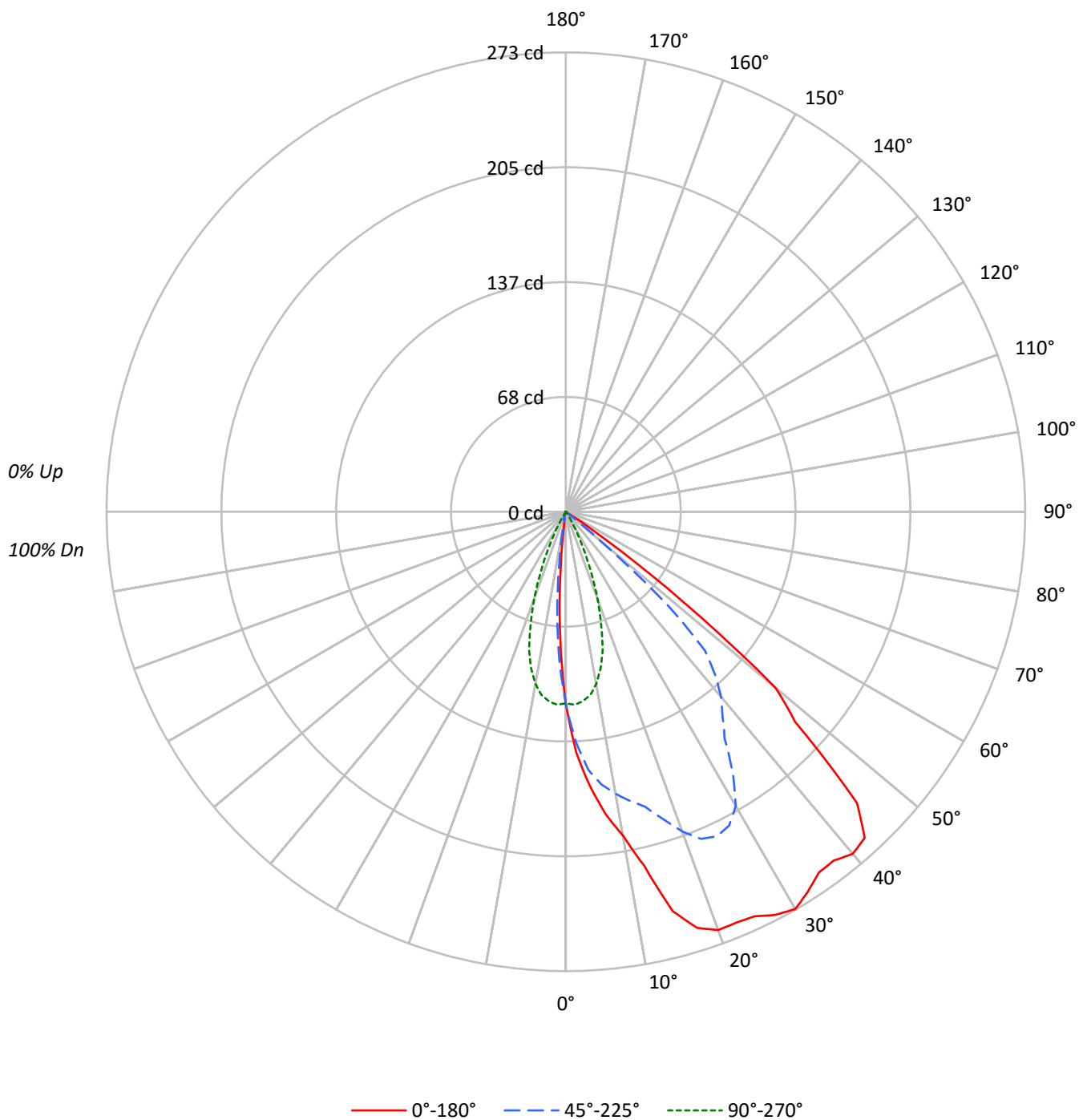
Lumens per Lamp: N/A
Luminaire Lumens: 185.0 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19599	19599	19599	19599	19599
5°	28249	26606	19570	10079	6483
10°	34171	29747	18170	1207	717
15°	43808	32325	15066	802	642
20°	48476	37040	10098	440	73
25°	50414	40419	4960	38	0
30°	54211	40151	1372	0	0
35°	55063	34585	0	0	0
40°	59645	32239	0	0	0
45°	59599	28472	0	0	0
50°	43619	6886	0	0	0
55°	8527	0	0	0	0
60°	0	0	0	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	198	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 59696 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	5.3
10°-20°	27.8	15.0
20°-30°	44.4	24.0
30°-40°	51.3	27.7
40°-50°	40.7	22.0
50°-60°	10.7	5.8
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.1	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°	82.0	44.3
0°-40°	133.2	72.0
0°-60°	184.7	99.8
0°-90°	185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	185.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	114	114	114	114	114	
5°	163	154	113	58	38	17
15°	246	181	84	4	4	68
25°	265	213	26	0	0	124
35°	262	164	0	0	0	166
45°	245	117	0	0	0	174
55°	28	0	0	0	0	43
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	113.8	113.8	113.8	113.8	113.8	113.8	113.8	113.8	113.8	113.8	113.8
2.5°	143.2	144.6	144.0	143.4	142.0	141.4	141.4	139.7	137.1	136.7	134.9
5°	163.4	163.8	163.8	163.4	162.4	160.8	160.4	158.8	156.4	153.9	151.5
7.5°	181.1	180.9	179.6	178.8	177.0	174.8	172.8	170.5	166.9	163.6	160.2
10°	195.4	196.1	195.0	193.0	190.6	187.5	184.3	180.5	175.0	170.1	165.7
12.5°	215.7	215.5	212.9	209.4	203.5	197.9	192.8	188.6	181.9	176.0	170.5
15°	245.7	245.3	242.8	239.8	231.3	222.8	214.1	202.1	191.0	181.3	173.6
17.5°	259.2	260.1	258.0	256.4	251.5	245.9	238.2	226.2	209.0	191.4	175.2
20°	264.5	265.5	264.1	263.9	261.7	259.0	252.8	239.8	223.0	202.1	182.1
22.5°	264.3	265.1	264.5	267.1	269.8	268.4	260.7	247.7	230.5	210.4	187.7
25°	265.3	264.7	262.5	266.3	270.2	269.0	265.1	254.0	235.1	212.7	189.8
27.5°	270.0	265.5	261.1	265.9	267.7	268.2	265.9	252.8	234.3	210.2	185.7
30°	272.6	267.7	264.1	268.2	268.2	270.4	265.7	250.7	227.4	201.9	175.0
32.5°	267.7	266.7	270.0	274.0	275.0	275.0	264.7	244.1	215.9	184.9	157.8
35°	261.9	264.3	273.6	275.4	275.4	271.0	258.4	232.3	198.7	164.5	145.0
37.5°	261.3	265.1	275.4	273.2	269.6	261.3	243.0	211.9	174.2	152.9	135.5
40°	265.3	269.0	275.0	266.9	258.2	245.3	223.4	185.1	159.4	143.4	124.0
42.5°	262.9	266.3	266.5	254.6	242.2	224.6	195.6	163.4	148.7	131.2	110.8
45°	244.7	245.1	244.3	231.5	218.7	200.5	169.7	152.7	136.9	116.9	81.4
47.5°	184.9	184.1	187.1	183.5	184.1	173.2	154.1	140.2	121.3	82.0	24.7
50°	162.8	161.8	158.8	155.5	152.3	147.0	138.1	123.1	87.5	25.7	0.8
52.5°	87.3	92.2	101.7	116.3	121.7	121.3	114.6	91.1	27.5	0.2	0.0
55°	28.4	27.9	31.2	36.9	50.6	58.3	60.8	31.0	0.6	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	2.0	5.3	6.9	0.4	0.0	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.2	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°	113.8	113.8	113.8	113.8	113.8	113.8	113.8	113.8
2.5°	132.5	129.6	126.4	114.8	101.3	88.1	78.6	76.2
5°	147.6	142.8	135.9	113.2	83.6	58.3	41.7	37.5
7.5°	155.5	151.3	144.0	110.0	64.8	28.8	10.7	7.3
10°	160.4	155.3	147.2	103.9	42.3	6.9	3.8	4.1
12.5°	163.8	158.0	148.9	95.2	21.5	3.4	4.9	5.1
15°	165.3	159.0	148.7	84.5	7.7	4.5	4.3	3.6
17.5°	164.5	156.6	146.0	69.1	2.6	4.3	2.2	1.8
20°	163.4	154.5	141.8	55.1	2.2	2.4	0.8	0.4
22.5°	166.7	151.1	135.9	39.5	2.2	0.8	0.0	0.0
25°	167.1	149.7	128.4	26.1	1.0	0.2	0.0	0.0
27.5°	163.0	141.4	116.9	15.4	0.0	0.0	0.0	0.0
30°	150.1	131.0	104.5	6.9	0.0	0.0	0.0	0.0
32.5°	137.3	119.5	90.7	1.6	0.0	0.0	0.0	0.0
35°	127.2	107.5	75.5	0.0	0.0	0.0	0.0	0.0
37.5°	114.6	93.4	56.3	0.0	0.0	0.0	0.0	0.0
40°	101.5	75.3	28.2	0.0	0.0	0.0	0.0	0.0
42.5°	79.2	35.8	2.8	0.0	0.0	0.0	0.0	0.0
45°	30.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.6	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	0.0	0.0	0.0	0.0	0.0
60°	0.2	0.2	0.0	0.0	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	0.0	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	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
77.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	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)