

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: P1321039

Luminaire Tested: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R55B2750DE010 3LSQCA30R 1MB_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 80CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

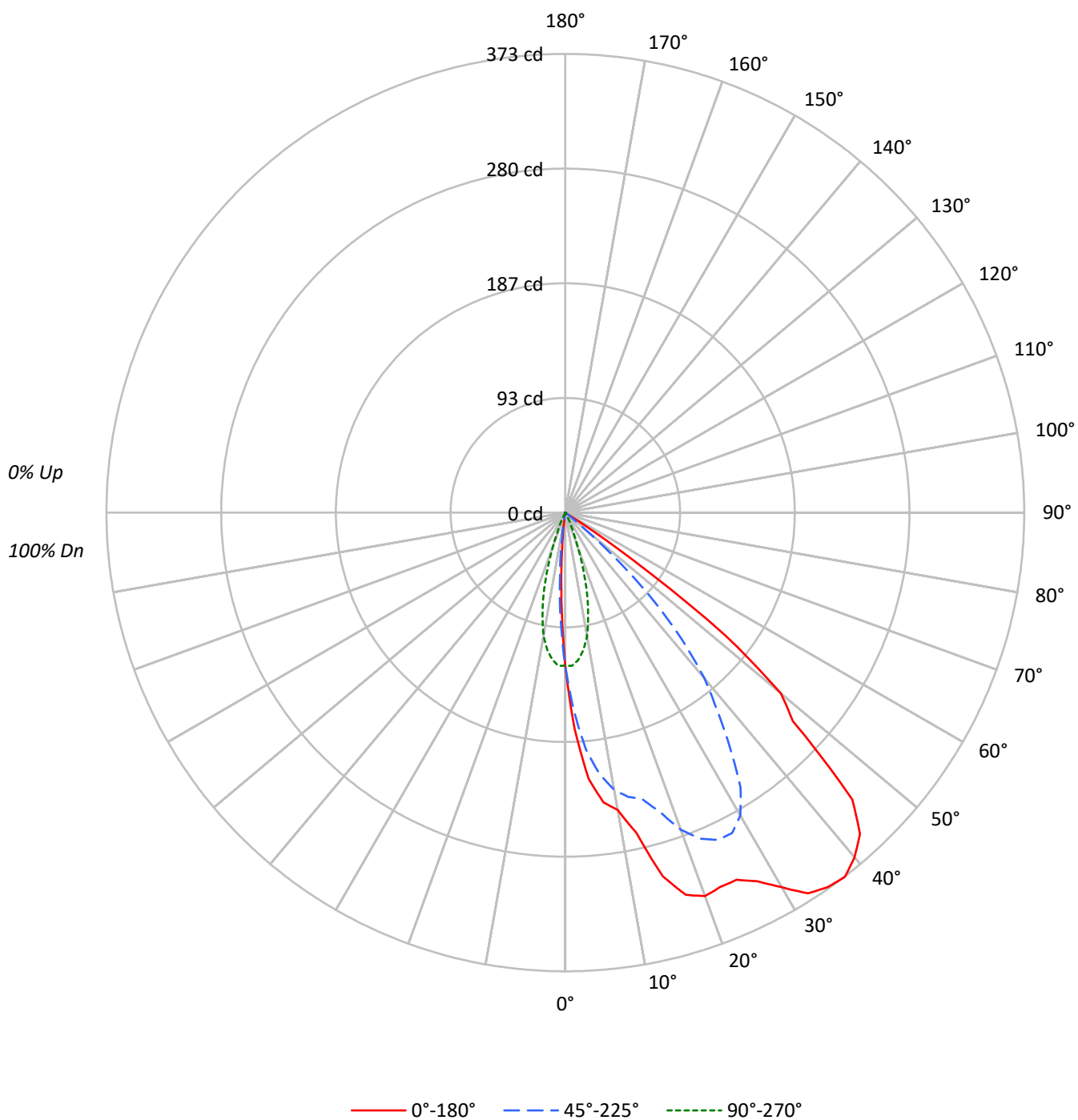
Lumens per Lamp: N/A
Luminaire Lumens: 230.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	83	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	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	68	58	51	46	56	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	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	21407	21407	21407	21407	21407
5°	37515	33435	20780	8627	4962
10°	42933	40030	17768	944	332
15°	54577	42970	12178	196	107
20°	60811	50272	5352	0	0
25°	62595	55773	1520	0	0
30°	69941	56518	219	0	0
35°	78169	49071	0	0	0
40°	82217	39501	0	0	0
45°	80375	24965	0	0	0
50°	61222	5091	0	0	0
55°	20057	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	397	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 80375 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	4.9
10°-20°	33.3	14.5
20°-30°	54.1	23.5
30°-40°	64.3	28.0
40°-50°	52.6	22.9
50°-60°	13.9	6.1
60°-70°	0.1	0.0
70°-80°	0.1	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°	98.8	42.9
0°-40°	163.1	70.9
0°-60°	229.6	99.8
0°-90°	230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	230.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	124	124	124	124	124	
5°	217	193	120	50	29	21
15°	306	241	68	1	1	86
25°	329	294	8	0	0	155
35°	372	233	0	0	0	231
45°	330	102	0	0	0	237
55°	67	0	0	0	0	75
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°	67.5°
0°	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	176.4	175.1	175.3	174.6	175.3	172.5	169.5	166.6	164.5	161.5	143.1
5°	217.0	214.8	214.2	213.3	212.5	209.0	206.2	202.7	198.6	193.4	159.7
7.5°	237.5	235.8	234.9	235.4	233.4	232.1	228.5	224.6	220.2	214.6	172.3
10°	245.5	243.8	243.6	243.4	243.2	242.3	240.6	237.1	233.2	228.9	179.4
12.5°	266.5	262.6	260.0	257.0	253.3	248.6	244.7	241.6	240.1	236.7	182.6
15°	306.1	302.4	299.6	295.7	288.8	278.6	269.3	257.4	247.1	241.0	181.3
17.5°	325.9	324.2	321.8	319.2	314.5	307.1	297.6	285.1	271.9	254.8	175.1
20°	331.8	330.9	329.2	328.1	324.9	319.7	313.2	303.5	291.1	274.3	165.3
22.5°	329.4	330.0	330.9	333.7	334.2	330.5	324.4	315.1	302.6	287.0	150.4
25°	329.4	329.0	329.0	334.8	338.5	336.8	332.4	324.0	311.2	293.5	132.1
27.5°	337.8	335.2	329.8	335.9	341.9	341.3	337.4	327.5	313.2	293.7	109.6
30°	351.7	346.0	337.2	342.8	348.4	346.0	339.8	327.0	308.9	284.2	82.1
32.5°	367.0	364.4	359.9	363.6	362.7	353.2	341.9	324.2	300.0	265.2	55.3
35°	371.8	372.2	369.2	368.5	363.6	353.8	341.9	316.2	281.4	233.4	32.9
37.5°	373.3	373.5	368.7	362.7	355.3	343.9	329.6	299.8	247.1	202.7	17.5
40°	365.7	365.5	357.7	350.4	342.2	330.9	310.2	265.2	214.4	175.7	6.3
42.5°	354.5	351.7	344.3	335.2	325.3	311.2	278.8	223.9	186.3	140.7	0.4
45°	330.0	327.5	321.6	311.9	300.9	281.0	229.8	192.4	151.5	102.5	0.0
47.5°	250.9	249.6	255.7	257.0	256.8	234.1	191.7	156.9	111.3	59.7	0.0
50°	228.5	226.7	220.7	212.9	199.1	180.0	153.7	116.3	65.3	19.0	0.0
52.5°	164.1	169.7	171.0	165.1	152.2	133.4	105.9	67.0	22.7	0.0	0.0
55°	66.8	63.3	65.9	69.2	71.8	65.9	48.8	23.8	0.2	0.0	0.0
57.5°	0.0	0.2	1.3	3.0	5.0	6.3	6.7	0.4	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	0.2
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	0.2	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
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):

	90°	112.5°	135°	157.5°	180°
0°	124.3	124.3	124.3	124.3	124.3
2.5°	124.7	105.5	86.9	76.7	71.8
5°	120.2	80.6	49.9	34.6	28.7
7.5°	112.6	55.3	19.9	8.2	5.8
10°	101.6	31.8	5.4	2.2	1.9
12.5°	85.8	14.5	1.9	1.5	1.5
15°	68.3	5.0	1.1	0.9	0.6
17.5°	48.0	1.3	0.4	0.0	0.0
20°	29.2	0.2	0.0	0.0	0.0
22.5°	16.2	0.0	0.0	0.0	0.0
25°	8.0	0.0	0.0	0.0	0.0
27.5°	3.5	0.0	0.0	0.0	0.0
30°	1.1	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.0	0.0	0.0
67.5°	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.0	0.0	0.0
77.5°	0.4	0.2	0.2	0.0	0.0
80°	0.4	0.2	0.2	0.0	0.0
82.5°	0.4	0.2	0.2	0.0	0.0
85°	0.2	0.2	0.2	0.0	0.0
87.5°	0.4	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)