

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: P1320794

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHRL1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R30B2750DE010 3LSQPHRL1MB_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

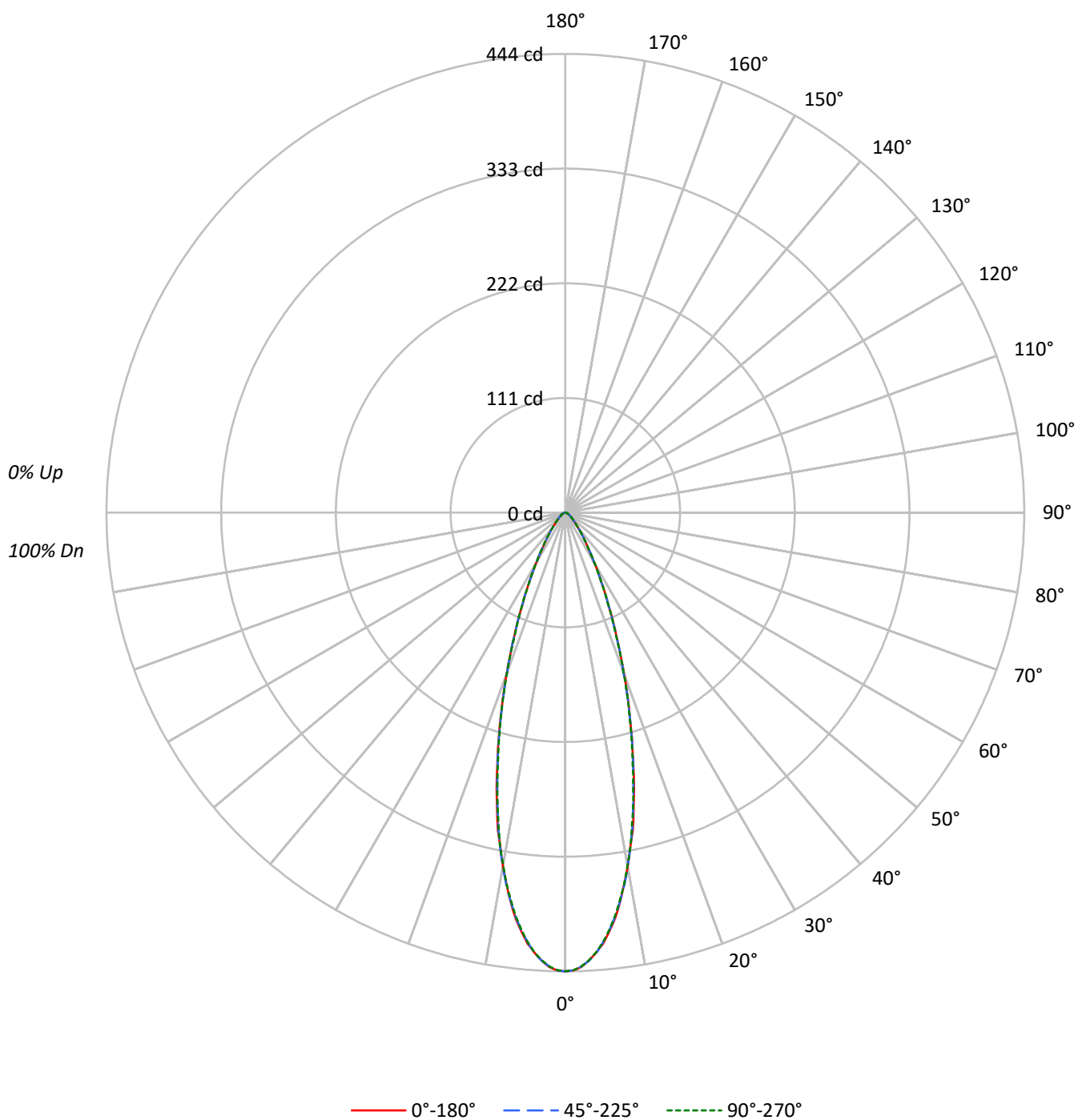
Lumens per Lamp: N/A
Luminaire Lumens: 195.0 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94		
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88		
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83		
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78		
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74		
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70		
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66		
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63		
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61		
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	76467	76467	76467
5°	72402	72212	72178
10°	60823	60823	60596
15°	45323	45199	44931
20°	30332	30167	30204
25°	18699	18661	18737
30°	11236	11236	11276
35°	6896	6896	6938
40°	4362	4362	4451
45°	2996	3044	3044
50°	2197	2197	2197
55°	1681	1742	1742
60°	1412	1412	1481
65°	1223	1223	1223
70°	1108	1209	1209
75°	998	998	998
80°	893	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3044 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	19.3
10°-20°	69.5	35.6
20°-30°	46.2	23.7
30°-40°	21.3	10.9
40°-50°	9.9	5.1
50°-60°	5.3	2.7
60°-70°	3.1	1.6
70°-80°	1.6	0.8
80°-90°	0.3	0.2
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°	153.3	78.7
0°-40°	174.7	89.6
0°-60°	189.9	97.4
0°-90°	195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	195.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	419	418	418	419	418	38
15°	254	255	254	254	252	70
25°	98	98	98	98	99	46
35°	33	33	33	33	33	21
45°	12	12	12	12	12	10
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	444.0	444.0	444.0	444.0	444.0
1°	443.2	442.7	443.2	443.8	442.9
2°	440.1	439.7	439.7	440.6	439.7
3°	434.3	434.7	434.5	435.4	433.9
4°	427.0	426.8	427.6	428.1	426.8
5°	418.8	417.9	417.7	418.8	417.5
6°	407.6	406.9	406.5	407.8	406.0
7°	395.5	395.0	394.4	394.8	393.5
8°	380.6	380.4	379.9	380.4	378.9
9°	364.0	364.0	364.8	364.6	363.8
10°	347.8	348.2	347.8	348.2	346.5
11°	329.7	329.7	330.1	329.9	330.1
12°	313.9	312.2	311.8	311.3	310.0
13°	293.6	292.3	291.9	292.3	291.7
14°	275.1	274.2	272.1	272.5	271.6
15°	254.2	255.0	253.5	253.5	252.0
17.5°	207.8	206.9	207.3	207.6	206.9
20°	165.5	165.0	164.6	164.2	164.8
22.5°	128.6	128.8	128.4	127.9	127.5
25°	98.4	98.2	98.2	98.2	98.6
27.5°	74.6	74.6	74.6	74.9	74.9
30°	56.5	56.1	56.5	56.7	56.7
32.5°	42.3	42.7	42.9	42.9	42.9
35°	32.8	32.6	32.8	33.0	33.0
37.5°	25.0	25.0	25.2	25.2	25.5
40°	19.4	19.4	19.4	19.6	19.8
42.5°	15.3	15.3	15.5	15.5	15.7
45°	12.3	12.3	12.5	12.5	12.5
47.5°	9.9	9.9	10.1	10.1	10.1
50°	8.2	8.2	8.2	8.2	8.2
52.5°	6.9	6.7	6.9	6.9	6.9
55°	5.6	5.8	5.8	5.8	5.8
57.5°	4.7	5.0	5.0	5.0	5.0
60°	4.1	4.1	4.1	4.3	4.3
62.5°	3.5	3.7	3.7	3.7	3.7
65°	3.0	3.0	3.0	3.0	3.0
67.5°	2.6	2.6	2.6	2.6	2.8
70°	2.2	2.2	2.4	2.4	2.4
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.1	1.1	1.3	1.3	1.1
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)