

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: P1320802

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHRL1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320802
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 3LSQPHRL1MW_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 80CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

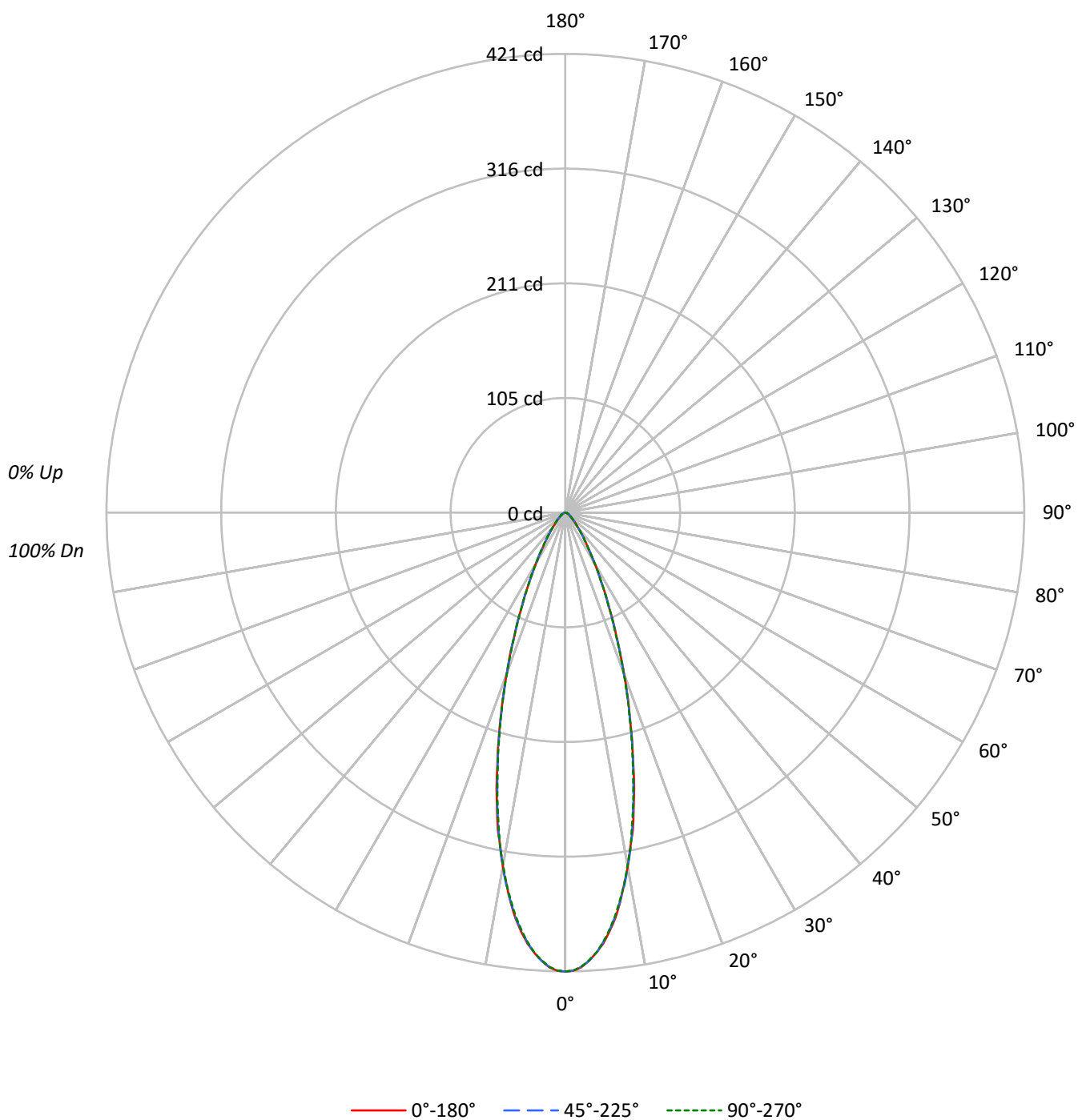
Lumens per Lamp: N/A
Luminaire Lumens: 185.0 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				0
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	96	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	91	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°	72540	72540	72540
5°	68685	68513	68478
10°	57710	57710	57483
15°	42988	42881	42631
20°	28774	28628	28664
25°	17729	17691	17767
30°	10659	10659	10699
35°	6539	6539	6581
40°	4137	4137	4227
45°	2850	2898	2898
50°	2090	2090	2090
55°	1591	1651	1651
60°	1343	1343	1412
65°	1182	1182	1182
70°	1007	1158	1158
75°	932	932	932
80°	793	793	793
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	19.3
10°-20°	65.9	35.7
20°-30°	43.8	23.7
30°-40°	20.2	10.9
40°-50°	9.4	5.1
50°-60°	5.0	2.7
60°-70°	3.0	1.6
70°-80°	1.5	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°	145.5	78.7
0°-40°	165.7	89.6
0°-60°	180.1	97.4
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°	22.5°	45°	67.5°	90°	Flux
0°	421	421	421	421	421	
5°	397	396	396	397	396	36
15°	241	242	240	240	239	66
25°	93	93	93	93	94	44
35°	31	31	31	31	31	20
45°	12	12	12	12	12	9
55°	5	6	6	6	6	5
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
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°	421.2	421.2	421.2	421.2	421.2
1°	420.4	420.0	420.4	421.0	420.2
2°	417.6	417.2	417.2	418.0	417.2
3°	412.0	412.4	412.2	413.1	411.6
4°	405.1	404.9	405.7	406.1	404.9
5°	397.3	396.5	396.3	397.3	396.1
6°	386.7	386.0	385.6	386.9	385.2
7°	375.2	374.8	374.2	374.6	373.3
8°	361.1	360.9	360.5	360.9	359.4
9°	345.3	345.3	346.1	345.9	345.1
10°	330.0	330.4	330.0	330.4	328.7
11°	312.8	312.8	313.2	313.0	313.2
12°	297.8	296.2	295.8	295.4	294.1
13°	278.6	277.4	276.9	277.4	276.7
14°	261.0	260.2	258.1	258.5	257.7
15°	241.1	241.9	240.5	240.5	239.1
17.5°	197.1	196.3	196.7	196.9	196.3
20°	157.0	156.6	156.2	155.8	156.4
22.5°	122.0	122.2	121.8	121.4	121.0
25°	93.3	93.1	93.1	93.1	93.5
27.5°	70.8	70.8	70.8	71.0	71.0
30°	53.6	53.2	53.6	53.8	53.8
32.5°	40.1	40.5	40.7	40.7	40.7
35°	31.1	30.9	31.1	31.3	31.3
37.5°	23.7	23.7	23.9	23.9	24.2
40°	18.4	18.4	18.4	18.6	18.8
42.5°	14.5	14.5	14.7	14.7	14.9
45°	11.7	11.7	11.9	11.9	11.9
47.5°	9.4	9.4	9.6	9.6	9.6
50°	7.8	7.8	7.8	7.8	7.8
52.5°	6.5	6.3	6.5	6.5	6.5
55°	5.3	5.5	5.5	5.5	5.5
57.5°	4.5	4.7	4.7	4.7	4.7
60°	3.9	3.9	3.9	4.1	4.1
62.5°	3.3	3.5	3.5	3.5	3.5
65°	2.9	2.9	2.9	2.9	2.9
67.5°	2.5	2.5	2.5	2.5	2.7
70°	2.0	2.0	2.3	2.3	2.3
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.0	1.0	1.2	1.2	1.0
80°	0.8	0.8	0.8	0.8	0.8
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)