

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: P1320940

Luminaire Tested: LDSQA3D02R40B2750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R40B2750DE010 3LSQCDR1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

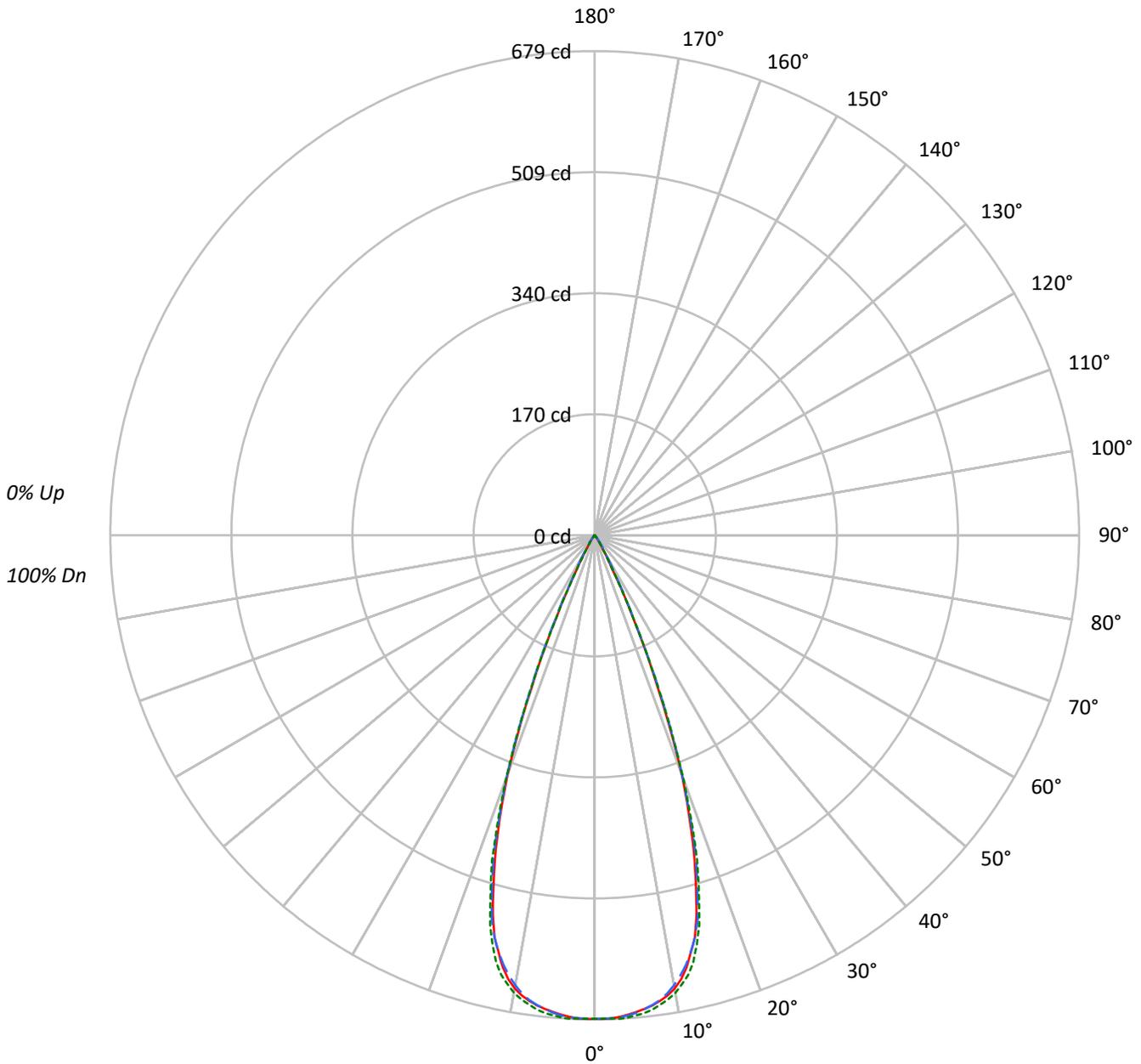
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 287.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	116784	116784	116784
5°	116020	116193	116815
10°	112867	112028	113899
15°	98349	99348	100899
20°	65503	65833	66474
25°	23810	24551	23924
30°	5051	6781	5051
35°	1787	3007	1703
40°	629	944	629
45°	146	390	146
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	163	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 390 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	22.1
10°-20°	147.7	51.5
20°-30°	66.5	23.2
30°-40°	7.6	2.6
40°-50°	1.1	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	0.1
80°-90°	0.0	0.0
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°	277.5	96.7
0°-40°	285.0	99.3
0°-60°	286.5	99.8
0°-90°	287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	287.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	678	678	678	678	678	
5°	671	670	672	675	676	63
15°	552	553	557	562	566	146
25°	125	126	129	129	126	65
35°	8	10	14	9	8	6
45°	1	1	2	1	1	1
55°	0	0	0	0	0	0
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°	22.5°	45°	67.5°	90°
0°	678.1	678.1	678.1	678.1	678.1
1°	678.5	677.9	677.7	678.9	677.9
2°	677.9	677.5	677.7	678.9	678.1
3°	676.1	676.3	676.9	679.1	678.9
4°	673.9	673.7	674.9	677.7	677.7
5°	671.1	670.3	672.1	675.1	675.7
6°	667.8	666.8	668.2	672.1	673.5
7°	664.2	662.2	663.4	668.0	669.8
8°	659.4	656.7	658.1	662.8	664.2
9°	653.3	649.3	650.5	656.1	658.9
10°	645.4	640.4	640.6	646.8	651.3
11°	634.3	628.7	628.9	636.7	641.4
12°	619.6	614.5	615.6	622.8	630.3
13°	599.6	598.2	599.4	607.3	614.1
14°	580.2	578.8	581.0	588.3	591.5
15°	551.6	553.0	557.2	561.7	565.9
17.5°	460.8	466.2	471.3	474.3	477.9
20°	357.4	351.2	359.2	355.6	362.7
22.5°	230.7	235.3	237.3	235.3	236.1
25°	125.3	126.1	129.2	129.2	125.9
27.5°	53.3	57.5	61.4	59.9	53.3
30°	25.4	29.3	34.1	29.5	25.4
32.5°	14.3	17.0	22.0	16.5	13.9
35°	8.5	9.5	14.3	9.1	8.1
37.5°	5.0	5.2	7.9	5.4	4.8
40°	2.8	3.4	4.2	3.4	2.8
42.5°	1.4	2.0	2.6	2.0	1.4
45°	0.6	1.0	1.6	1.0	0.6
47.5°	0.6	0.6	1.0	0.6	0.6
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.4	0.4	0.4	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)