

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: P1320936

Luminaire Tested: LDSQA3D02R40B2750DE010 3LSQCDR1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R40B2750DE010 3LSQCDR1MMS_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

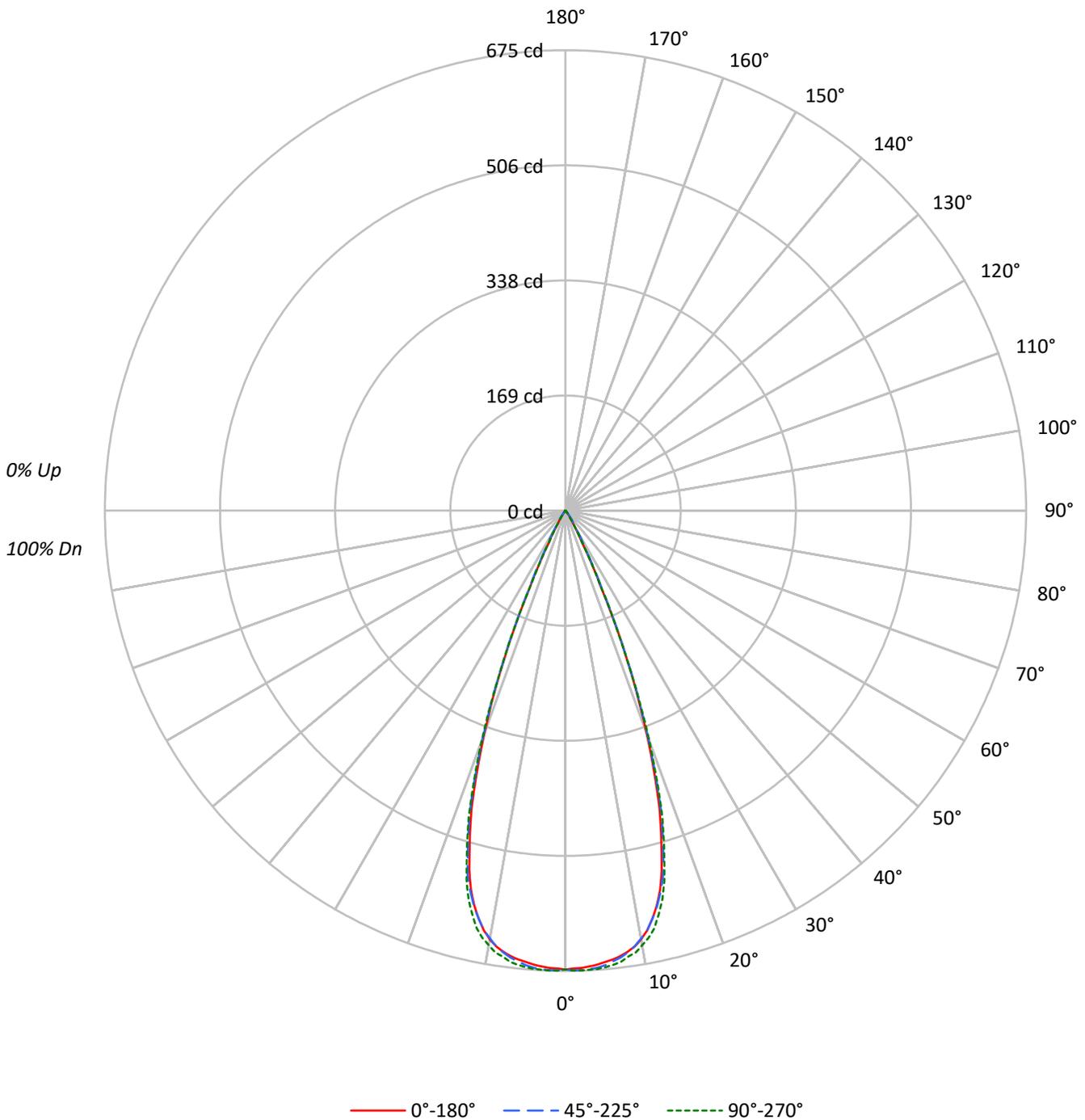
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 283.0 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 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





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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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	115906	115906	115906
5°	114896	115622	116176
10°	111626	111416	113164
15°	97101	98670	99883
20°	63743	64971	65814
25°	22727	24038	22613
30°	4952	6702	4992
35°	1598	2775	1556
40°	495	854	450
45°	49	292	49
50°	0	54	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 292 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	22.2
10°-20°	146.6	51.8
20°-30°	65.7	23.2
30°-40°	7.1	2.5
40°-50°	0.7	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	275.2	97.3
0°-40°	282.3	99.8
0°-60°	283.0	100.0
0°-90°	283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	283.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	673	673	673	673	673	
5°	665	666	669	670	672	63
15°	545	549	553	557	560	145
25°	120	123	126	129	119	64
35°	8	9	13	9	7	6
45°	0	0	1	0	0	0
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°	673.0	673.0	673.0	673.0	673.0
1°	671.6	673.0	674.2	673.2	674.6
2°	671.0	672.6	674.4	673.4	674.6
3°	669.4	671.4	673.4	672.8	674.0
4°	667.2	668.8	671.8	671.8	673.6
5°	664.6	666.4	668.8	669.8	672.0
6°	661.8	662.8	664.6	666.6	669.6
7°	658.2	658.2	660.4	662.4	666.4
8°	653.3	652.9	654.4	657.0	660.6
9°	647.1	645.7	646.9	650.7	656.0
10°	638.3	637.1	637.1	641.9	647.1
11°	626.9	626.5	626.7	631.3	638.3
12°	611.6	612.0	612.0	617.2	625.8
13°	594.3	594.1	595.9	601.6	607.4
14°	573.1	574.3	576.1	581.3	587.3
15°	544.6	548.6	553.4	556.6	560.2
17.5°	458.0	461.9	468.5	471.1	471.9
20°	347.8	353.5	354.5	359.7	359.1
22.5°	233.2	232.8	233.6	234.2	234.4
25°	119.6	123.2	126.5	128.7	119.0
27.5°	52.0	58.2	62.6	56.8	52.6
30°	24.9	28.3	33.7	28.5	25.1
32.5°	13.6	15.7	21.3	15.5	13.4
35°	7.6	8.8	13.2	8.6	7.4
37.5°	4.4	4.8	7.2	4.8	4.2
40°	2.2	2.8	3.8	2.8	2.0
42.5°	0.8	1.4	2.0	1.4	0.8
45°	0.2	0.4	1.2	0.4	0.2
47.5°	0.0	0.0	0.6	0.0	0.0
50°	0.0	0.0	0.2	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°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)