

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: P1320941

Luminaire Tested: LDSQA3D02R40B2750DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320941
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

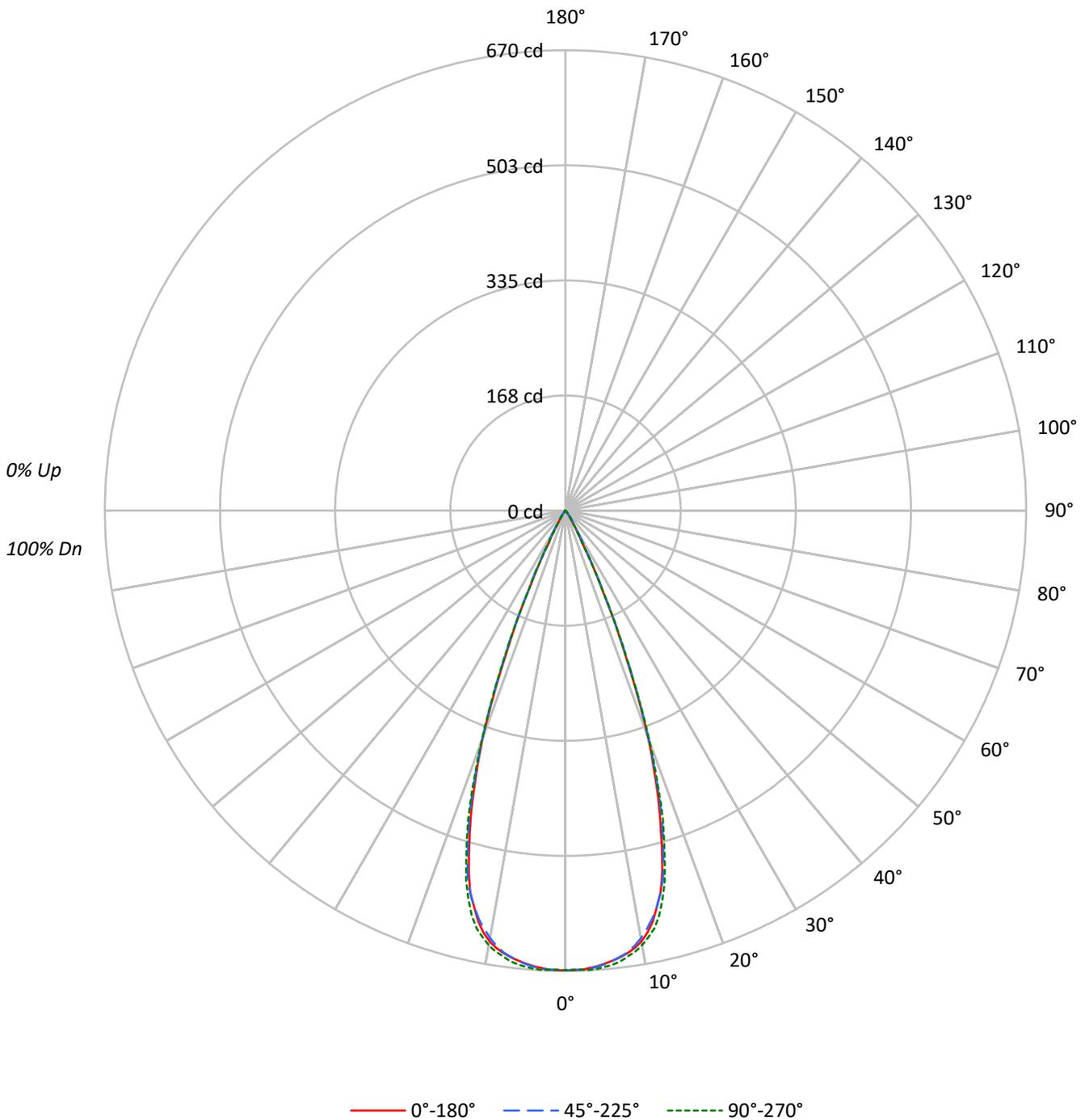
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 283.0 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 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





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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	69	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	115165	115165	115165
5°	114395	114568	115190
10°	111293	110471	112308
15°	96976	97975	99490
20°	64586	64916	65539
25°	23487	24209	23601
30°	4992	6682	4992
35°	1766	2964	1682
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°	62.5	22.1
10°-20°	145.6	51.4
20°-30°	65.5	23.2
30°-40°	7.5	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°	273.6	96.7
0°-40°	281.1	99.3
0°-60°	282.5	99.8
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°	669	669	669	669	669	
5°	662	661	663	666	666	62
15°	544	545	550	554	558	144
25°	124	124	127	127	124	64
35°	8	9	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°	668.7	668.7	668.7	668.7	668.7
1°	669.1	668.5	668.3	669.5	668.5
2°	668.5	668.1	668.3	669.5	668.7
3°	666.7	666.9	667.5	669.7	669.5
4°	664.5	664.3	665.5	668.3	668.3
5°	661.7	660.9	662.7	665.7	666.3
6°	658.5	657.5	658.9	662.7	664.1
7°	654.9	652.9	654.1	658.7	660.5
8°	650.2	647.6	649.0	653.5	654.9
9°	644.2	640.2	641.4	647.0	649.8
10°	636.4	631.5	631.7	637.8	642.2
11°	625.5	619.9	620.1	627.9	632.5
12°	611.0	606.0	607.0	614.1	621.5
13°	591.3	589.9	591.1	598.8	605.6
14°	572.2	570.8	572.9	580.1	583.3
15°	543.9	545.3	549.5	553.8	558.0
17.5°	454.3	459.7	464.7	467.7	471.3
20°	352.4	346.3	354.2	350.7	357.6
22.5°	227.5	232.0	234.0	232.0	232.8
25°	123.6	124.4	127.4	127.4	124.2
27.5°	52.5	56.7	60.5	59.1	52.5
30°	25.1	28.9	33.6	29.1	25.1
32.5°	14.1	16.7	21.7	16.3	13.7
35°	8.4	9.4	14.1	9.0	8.0
37.5°	5.0	5.2	7.8	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)