

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: P1320930

Luminaire Tested: LDSQA3D02R40B2750DE010 3LSQCDR1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320930
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 3LSQCDR1MB_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

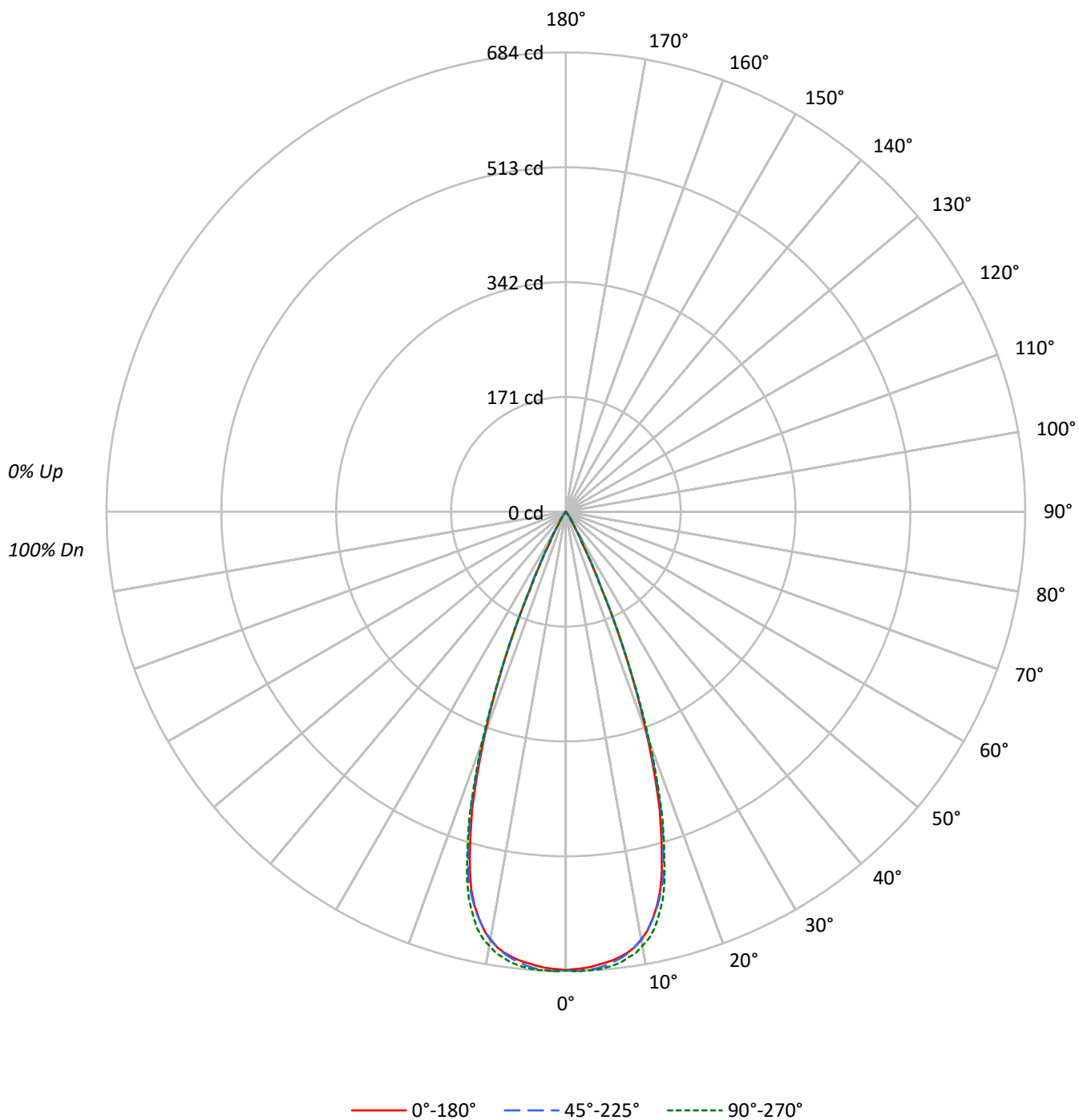
Lumens per Lamp: N/A
Luminaire Lumens: 287.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98		96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94		92
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94	92	90		89
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91	88	87		85
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88	85	83		82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80		79
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82	80	77		76
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80	77	75		73
9	87	80	76	73	86	80	75	73	79	75	72		78	75	72		77	74	72		71
10	85	77	73	70	84	77	73	70	76	72	70		76	72	70		75	72	70		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	117542	117542	117542
5°	116521	117248	117818
10°	113199	112990	114756
15°	98474	100061	101291
20°	64641	65888	66749
25°	23050	24380	22936
30°	5031	6801	5071
35°	1619	2796	1577
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°	63.8	22.2
10°-20°	148.6	51.8
20°-30°	66.7	23.2
30°-40°	7.2	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°	279.1	97.3
0°-40°	286.3	99.8
0°-60°	287.0	100.0
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°	682	682	682	682	682	
5°	674	676	678	679	682	64
15°	552	556	561	564	568	147
25°	121	125	128	131	121	65
35°	8	9	13	9	8	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	682.5	682.5	682.5	682.5	682.5
1°	681.1	682.5	683.7	682.7	684.1
2°	680.5	682.1	683.9	682.9	684.1
3°	678.9	680.9	682.9	682.3	683.5
4°	676.6	678.2	681.3	681.3	683.1
5°	674.0	675.8	678.2	679.3	681.5
6°	671.2	672.2	674.0	676.0	679.1
7°	667.5	667.5	669.8	671.8	675.8
8°	662.5	662.1	663.7	666.3	670.0
9°	656.2	654.8	656.0	659.9	665.3
10°	647.3	646.1	646.1	651.0	656.2
11°	635.8	635.4	635.6	640.3	647.3
12°	620.2	620.7	620.7	625.9	634.6
13°	602.7	602.5	604.3	610.1	616.0
14°	581.2	582.5	584.3	589.5	595.6
15°	552.3	556.4	561.2	564.5	568.1
17.5°	464.4	468.5	475.1	477.8	478.6
20°	352.7	358.5	359.5	364.8	364.2
22.5°	236.5	236.1	236.9	237.5	237.7
25°	121.3	124.9	128.3	130.6	120.7
27.5°	52.7	59.0	63.5	57.6	53.4
30°	25.3	28.7	34.2	28.9	25.5
32.5°	13.7	16.0	21.6	15.8	13.5
35°	7.7	8.9	13.3	8.7	7.5
37.5°	4.4	4.9	7.3	4.9	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)