

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: P1320778

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHR1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R30B2750DE010 3LSQPHR1MB_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 80CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

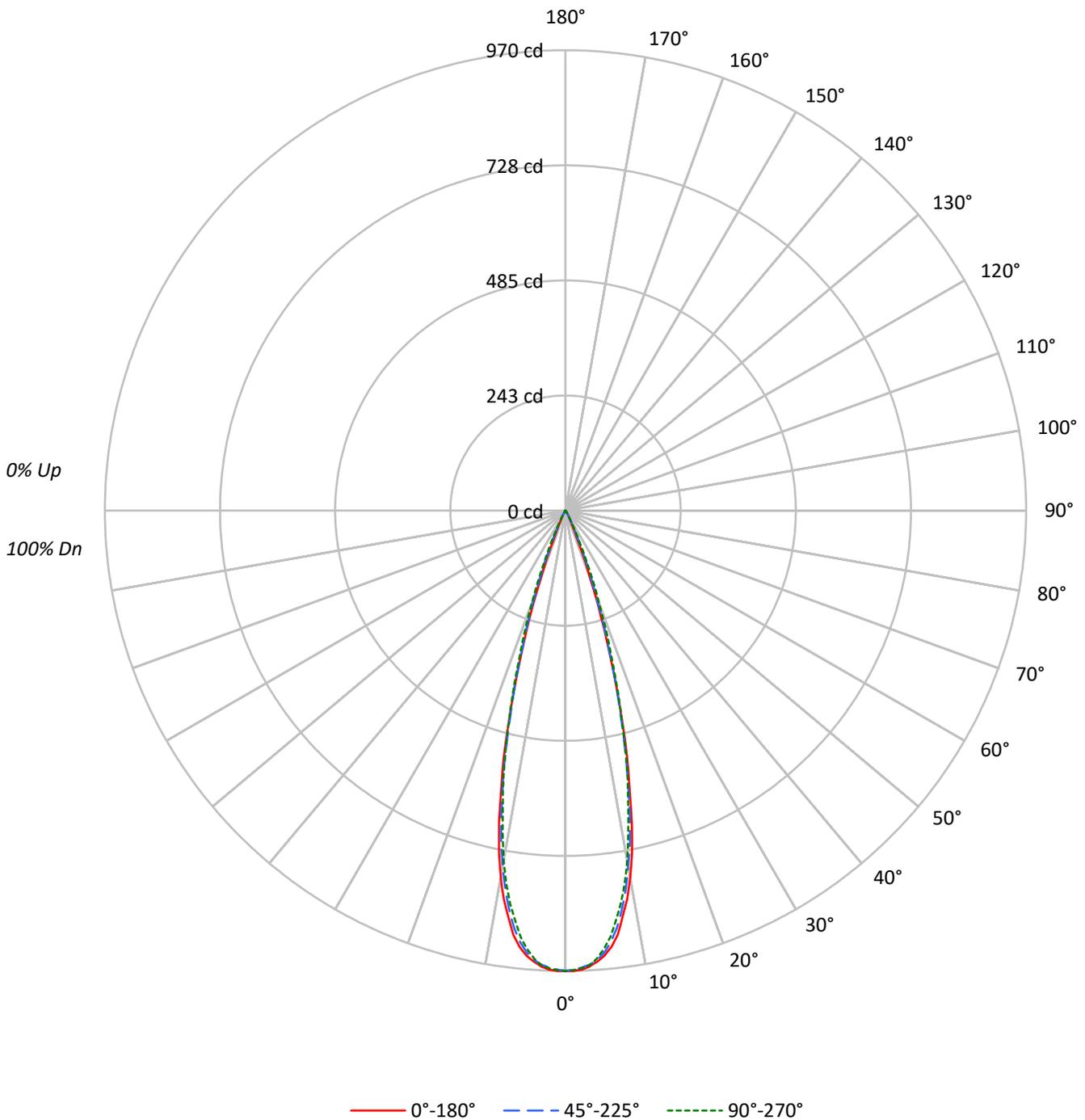
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 235.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
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

TEST NUMBER: P1320778
CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHR1MB_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P1320778

CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHR1MB_4000K

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	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	167039	167039	167039
5°	162732	161609	160278
10°	137333	133118	130950
15°	82766	80448	81928
20°	28078	32421	37388
25°	5150	8076	9539
30°	1770	1969	2207
35°	505	631	673
40°	135	225	180
45°	49	49	49
50°	54	0	54
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: 0°
 Vertical Angle: 52.5°
 Luminance: 57 cd/sqm



TEST NUMBER: P1320778

CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHR1MB_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	35.7
10°-20°	122.6	52.2
20°-30°	25.9	11.0
30°-40°	2.4	1.0
40°-50°	0.2	0.1
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°	232.4	98.9
0°-40°	234.7	99.9
0°-60°	235.0	100.0
0°-90°	235.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	235.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	970	970	970	970	970	
5°	941	940	935	932	927	85
15°	464	462	451	462	460	122
25°	27	30	42	50	50	20
35°	2	3	3	4	3	2
45°	0	0	0	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



TEST NUMBER: P1320778
 CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHR1MB_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	969.9	969.9	969.9	969.9	969.9
1°	970.1	969.0	967.6	969.7	968.2
2°	968.0	965.6	963.6	965.6	965.0
3°	962.0	959.9	958.5	959.5	959.5
4°	952.8	950.6	949.4	949.6	946.6
5°	941.3	939.5	934.8	932.0	927.1
6°	924.3	919.8	914.1	909.5	903.2
7°	901.2	894.3	886.2	878.1	870.2
8°	864.1	860.9	849.9	844.4	836.5
9°	829.2	821.3	809.6	800.7	796.4
10°	785.3	773.5	761.2	754.1	748.8
11°	733.2	721.3	711.3	701.0	692.9
12°	672.0	661.9	650.6	643.7	634.1
13°	599.5	598.1	585.3	583.1	581.9
14°	537.3	531.6	519.1	522.5	523.3
15°	464.2	462.5	451.2	461.7	459.5
17.5°	290.7	291.3	298.4	315.0	320.3
20°	153.2	157.8	176.9	196.9	204.0
22.5°	62.0	72.3	91.8	105.4	114.5
25°	27.1	30.4	42.5	50.0	50.2
27.5°	15.4	15.6	20.5	21.3	21.7
30°	8.9	9.1	9.9	10.5	11.1
32.5°	4.9	5.3	5.5	6.3	6.3
35°	2.4	3.0	3.0	3.6	3.2
37.5°	1.4	1.6	1.8	1.8	1.6
40°	0.6	0.8	1.0	1.0	0.8
42.5°	0.2	0.4	0.4	0.4	0.6
45°	0.2	0.2	0.2	0.2	0.2
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.0	0.0	0.0	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
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



TEST NUMBER: P1320778
CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHR1MB_4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)