

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: P1320604

Luminaire Tested: LDSQA3D02R20B2750DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R20B2750DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

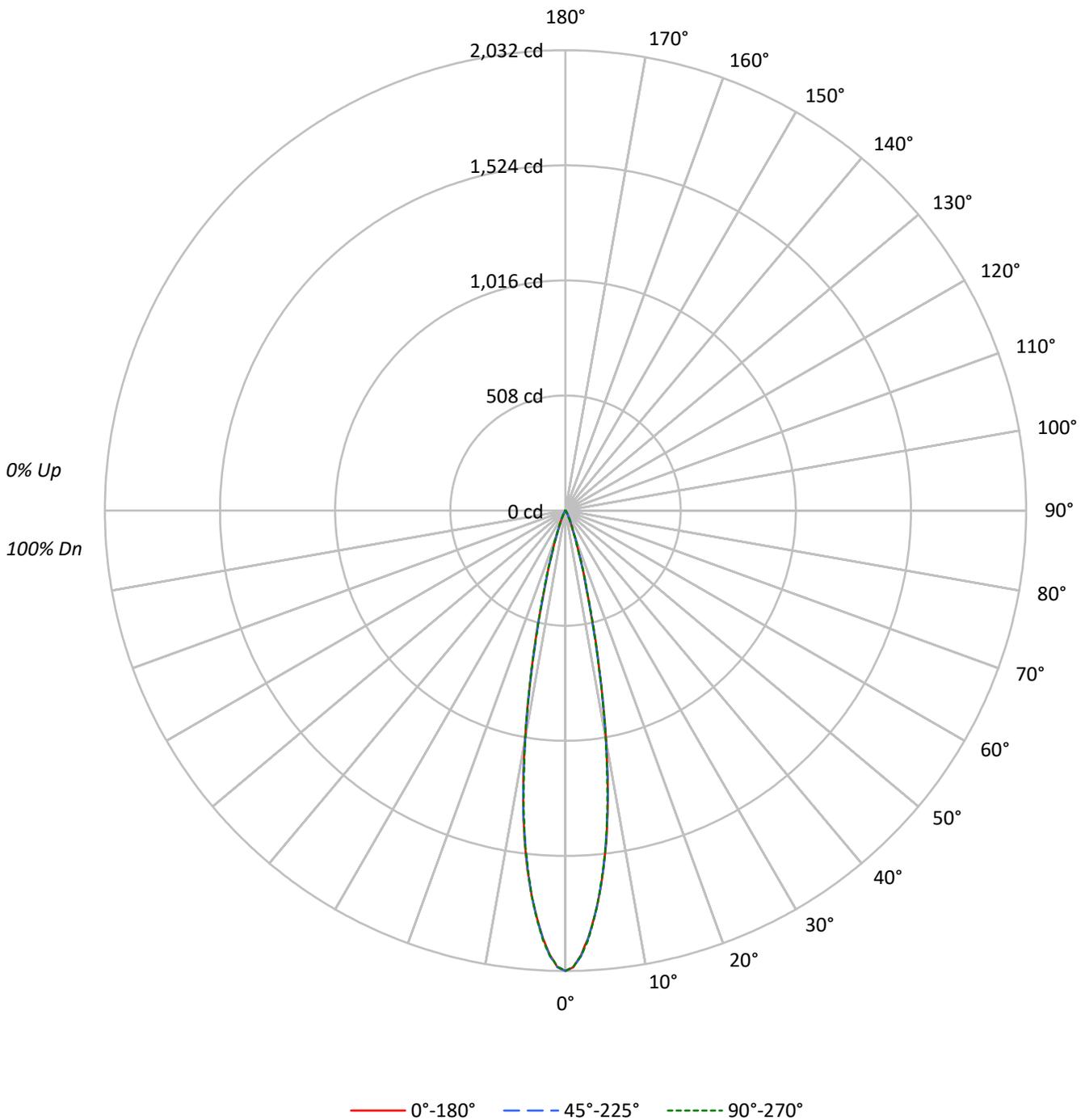
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 279.9 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
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: P1320604
CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQCDR1MW_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1320604

CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQCDR1MW_5000K

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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	91	88	87	86
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	349922	349922	349922
5°	294934	295055	294900
10°	179724	178902	179304
15°	63314	63581	65542
20°	19885	20454	20014
25°	7449	8152	7658
30°	2884	4097	3023
35°	1093	1829	1177
40°	585	787	585
45°	219	365	268
50°	107	161	107
55°	120	120	120
60°	69	69	69
65°	82	82	82
70°	101	101	101
75°	0	0	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 365 cd/sqm



TEST NUMBER: P1320604

CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQCDR1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	50.4
10°-20°	110.6	39.5
20°-30°	21.7	7.8
30°-40°	4.9	1.7
40°-50°	1.1	0.4
50°-60°	0.3	0.1
60°-70°	0.2	0.1
70°-80°	0.1	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°	273.4	97.7
0°-40°	278.2	99.4
0°-60°	279.7	99.9
0°-90°	279.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	279.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2032	2032	2032	2032	2032	
5°	1706	1708	1707	1712	1706	141
15°	355	357	357	364	368	110
25°	39	42	43	42	40	21
35°	5	6	9	6	6	4
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



TEST NUMBER: P1320604

CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQCDR1MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2031.8	2031.8	2031.8	2031.8	2031.8
1°	2015.4	2011.0	2016.0	2012.1	2013.0
2°	1963.2	1960.8	1967.3	1963.2	1965.3
3°	1890.6	1887.6	1892.3	1892.5	1898.6
4°	1803.9	1798.1	1805.2	1805.5	1806.5
5°	1706.0	1707.5	1706.7	1712.5	1705.8
6°	1596.0	1601.0	1594.5	1597.7	1588.4
7°	1472.9	1466.6	1463.4	1464.5	1471.0
8°	1337.1	1332.8	1337.5	1330.8	1326.3
9°	1186.1	1178.5	1183.7	1177.2	1170.7
10°	1027.7	1024.3	1023.0	1015.6	1025.3
11°	868.9	858.5	863.7	860.1	870.7
12°	720.3	721.2	711.0	714.3	715.6
13°	586.2	572.4	574.1	583.0	584.5
14°	454.7	456.7	457.3	463.6	467.3
15°	355.1	356.6	356.6	364.4	367.6
17.5°	190.4	190.4	194.5	195.4	195.8
20°	108.5	109.2	111.6	111.4	109.2
22.5°	65.0	66.3	67.6	66.3	65.0
25°	39.2	41.8	42.9	42.2	40.3
27.5°	23.4	26.2	29.2	26.9	23.2
30°	14.5	16.0	20.6	16.5	15.2
32.5°	8.0	10.4	14.1	10.8	8.2
35°	5.2	6.3	8.7	6.3	5.6
37.5°	3.7	4.3	5.4	4.5	3.9
40°	2.6	3.0	3.5	3.2	2.6
42.5°	1.7	2.2	2.4	2.2	1.7
45°	0.9	1.3	1.5	1.3	1.1
47.5°	0.4	0.6	1.1	0.6	0.4
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	0.2	0.4	0.2
60°	0.2	0.2	0.2	0.2	0.2
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	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°	0.0	0.0	0.0	0.0	0.2
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: P1320604

CATALOG NUMBER: LDSQA3D02R20B2750DE010 3LSQCDR1MW_5000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)