

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: P1316689

Luminaire Tested: LDSQA3D17R159740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R159740DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

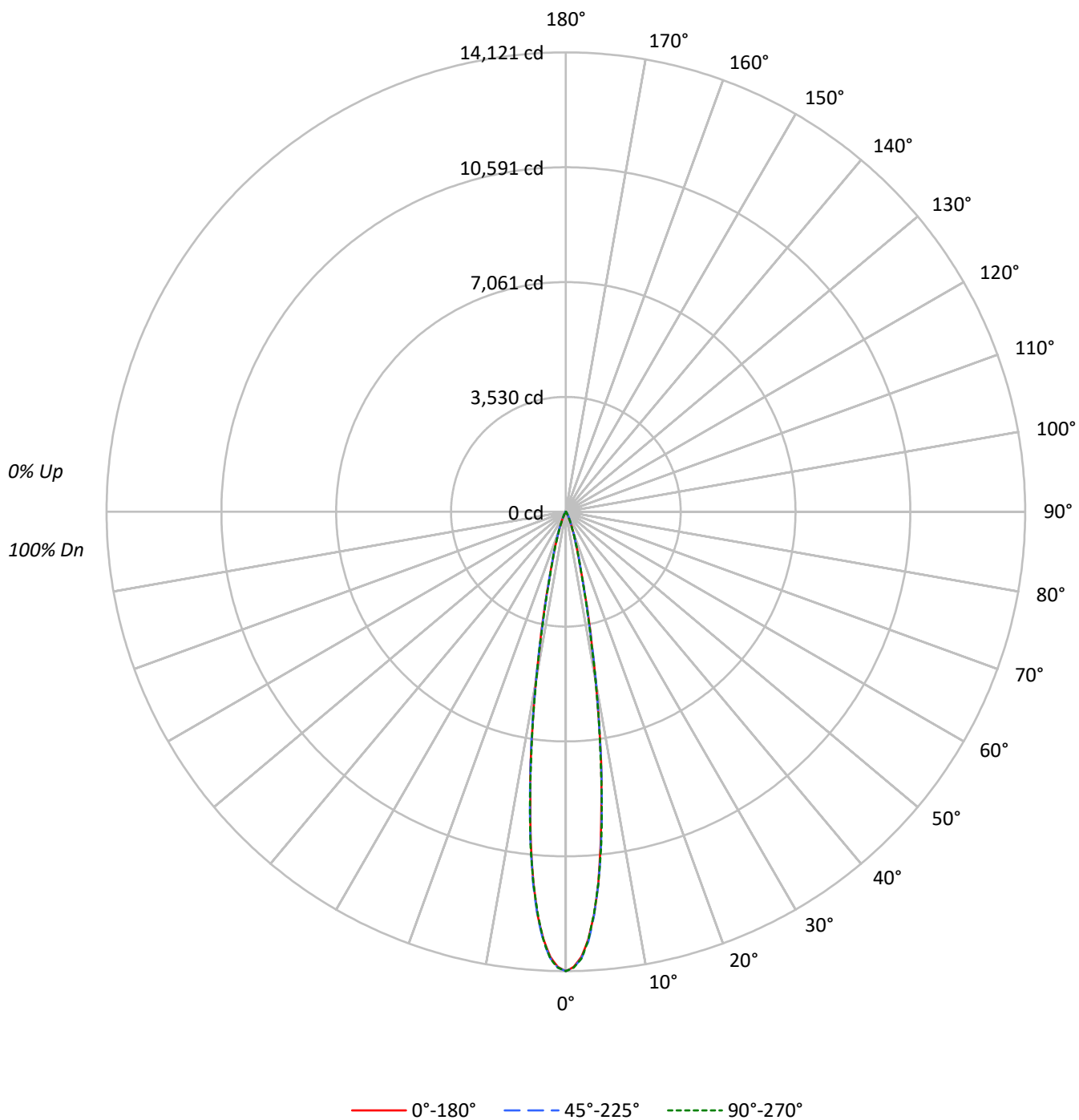
Lumens per Lamp: N/A
Luminaire Lumens: 1576.0 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1316689

CATALOG NUMBER: LDSQA3D17R159740DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316689

CATALOG NUMBER: LDSQA3D17R159740DE010 3LSQCDR1MB

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90	88	87	86
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88	85	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2431939	2431939	2431939
5°	1980052	1986518	1982628
10°	923643	931933	920163
15°	290037	292498	290715
20°	114914	119477	111267
25°	46424	56134	44770
30°	18594	25534	17600
35°	5508	11269	5235
40°	1686	4204	1394
45°	292	901	292
50°	0	322	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: 901 cd/sqm

TEST NUMBER: P1316689

CATALOG NUMBER: LDSQA3D17R159740DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	884.1	56.1
10°-20°	528.8	33.6
20°-30°	133.3	8.5
30°-40°	27.2	1.7
40°-50°	2.5	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°	1546.2	98.1
0°-40°	1573.4	99.8
0°-60°	1576.0	100.0
0°-90°	1576.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1576.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14121	14121	14121	14121	14121	
5°	11453	11432	11491	11462	11468	881
15°	1627	1640	1640	1617	1630	529
25°	244	267	295	262	236	126
35°	26	35	54	34	25	22
45°	1	2	4	2	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	



TEST NUMBER: P1316689

CATALOG NUMBER: LDSQA3D17R159740DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14120.9	14120.9	14120.9	14120.9	14120.9
1°	13993.8	14041.1	14016.2	14036.1	14013.7
2°	13690.8	13754.4	13734.5	13728.2	13745.7
3°	13157.3	13230.9	13228.4	13209.7	13179.8
4°	12429.3	12399.4	12445.5	12440.6	12389.4
5°	11453.3	11432.1	11490.7	11462.0	11468.2
6°	10259.1	10351.3	10331.4	10333.9	10357.6
7°	8976.4	9026.3	9068.6	9103.5	9054.9
8°	7798.4	7785.9	7789.7	7829.6	7694.9
9°	6479.6	6556.8	6507.0	6427.2	6478.3
10°	5281.6	5329.0	5329.0	5259.2	5261.7
11°	4210.8	4249.5	4222.1	4239.5	4129.8
12°	3394.4	3298.4	3275.9	3293.4	3292.1
13°	2591.6	2597.8	2591.6	2590.3	2577.9
14°	2031.9	2064.3	2050.6	2016.9	2002.0
15°	1626.7	1640.5	1640.5	1616.8	1630.5
17.5°	977.3	993.5	997.2	981.0	981.0
20°	627.0	634.5	651.9	628.3	607.1
22.5°	386.4	402.6	432.6	397.6	380.2
25°	244.3	266.8	295.4	261.8	235.6
27.5°	153.3	172.0	197.0	164.5	148.3
30°	93.5	106.0	128.4	103.5	88.5
32.5°	52.4	62.3	81.0	59.8	49.9
35°	26.2	34.9	53.6	33.7	24.9
37.5°	15.0	18.7	33.7	16.2	13.7
40°	7.5	10.0	18.7	10.0	6.2
42.5°	2.5	5.0	7.5	5.0	2.5
45°	1.2	2.5	3.7	2.5	1.2
47.5°	0.0	0.0	1.2	0.0	0.0
50°	0.0	0.0	1.2	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



TEST NUMBER: P1316689

CATALOG NUMBER: LDSQA3D17R159740DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)