

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: P1314767

Luminaire Tested: LDSQA3D17R209730DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209730DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

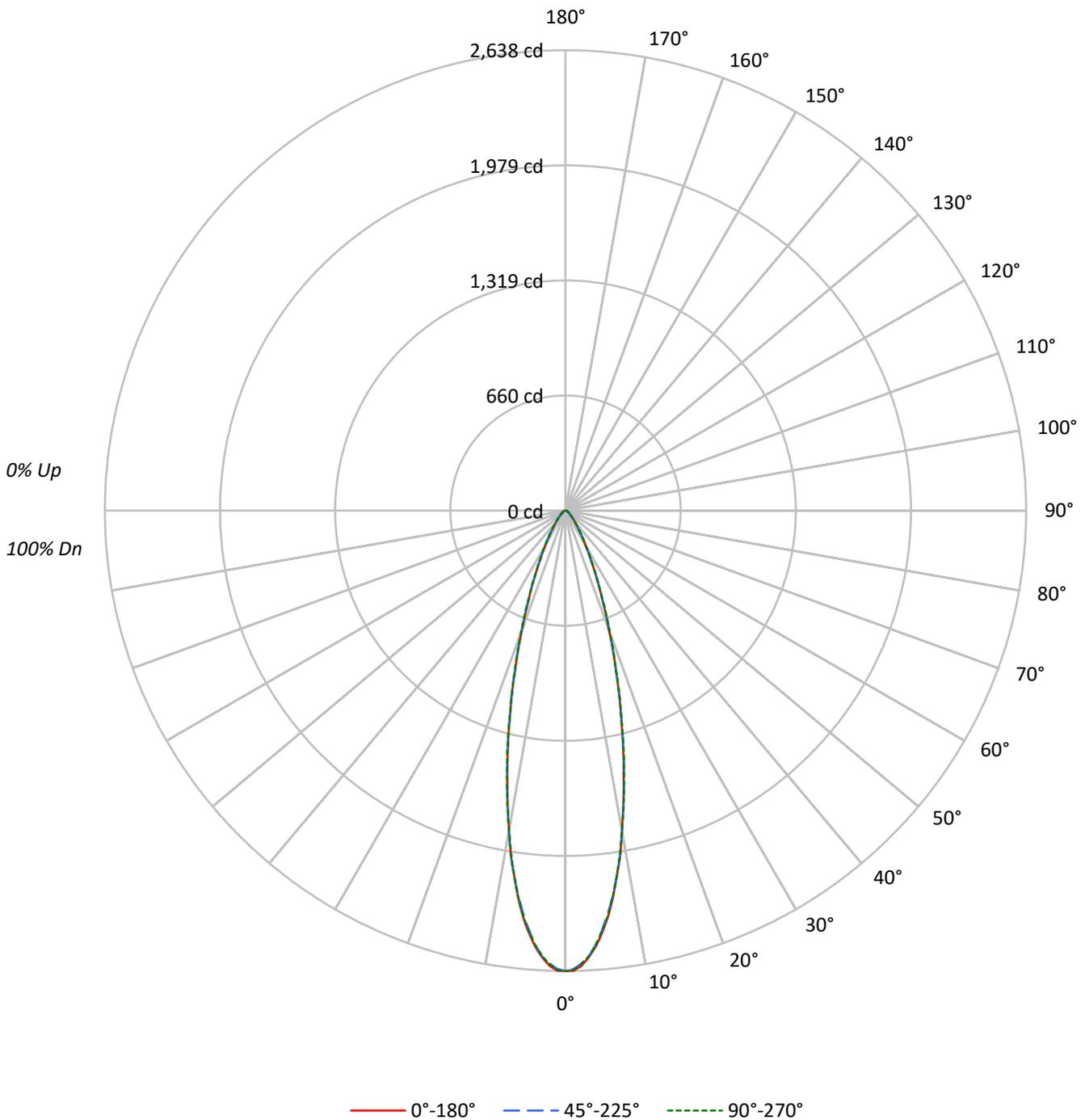
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 927.0 lumens
Efficiency: N/A
Efficacy: 43.7 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
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: P1314767
CATALOG NUMBER: LDSQA3D17R209730DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1314767

CATALOG NUMBER: LDSQA3D17R209730DE010 3LSQPHRL1MW

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	454289	454289	454289
5°	419114	416711	418111
10°	325241	325643	325643
15°	219824	220858	220858
20°	133498	135202	135825
25°	78310	79412	79184
30°	45679	46594	46833
35°	27921	28635	28635
40°	18166	18435	18683
45°	12641	12933	13225
50°	9270	9592	9592
55°	7266	7627	7627
60°	6372	6372	6751
65°	5664	5664	6113
70°	5237	5237	5237
75°	4591	4591	4591
80°	3471	3471	4562
85°	2371	2371	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 13225 cd/sqm



TEST NUMBER: P1314767

CATALOG NUMBER: LDSQA3D17R209730DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.7	22.9
10°-20°	340.6	36.7
20°-30°	197.3	21.3
30°-40°	88.4	9.5
40°-50°	41.9	4.5
50°-60°	23.0	2.5
60°-70°	13.9	1.5
70°-80°	7.5	0.8
80°-90°	1.6	0.2
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°	750.6	81.0
0°-40°	839.1	90.5
0°-60°	904.0	97.5
0°-90°	927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	927.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2638	2638	2638	2638	2638	
5°	2424	2416	2410	2415	2418	213
15°	1233	1233	1239	1233	1239	340
25°	412	412	418	414	417	195
35°	133	134	136	137	136	87
45°	52	52	53	53	54	41
55°	24	24	25	25	25	22
65°	14	14	14	14	15	14
75°	7	7	7	7	7	7
85°	1	1	1	1	2	1
90°	0	0	0	0	0	



TEST NUMBER: P1314767

CATALOG NUMBER: LDSQA3D17R209730DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2637.8	2637.8	2637.8	2637.8	2637.8
1°	2636.7	2629.8	2627.5	2625.1	2632.1
2°	2610.1	2602.1	2597.4	2599.7	2600.9
3°	2562.8	2558.2	2558.2	2554.7	2557.0
4°	2501.6	2492.4	2492.4	2493.5	2493.5
5°	2424.3	2416.2	2410.4	2415.0	2418.5
6°	2337.7	2327.3	2322.7	2323.8	2331.9
7°	2231.5	2217.6	2219.9	2225.7	2225.7
8°	2111.4	2110.3	2112.6	2110.3	2112.6
9°	2000.6	1984.4	1998.3	1986.8	1992.5
10°	1859.8	1858.6	1862.1	1865.5	1862.1
12.5°	1538.8	1544.6	1546.9	1542.3	1552.7
15°	1232.9	1232.9	1238.7	1232.9	1238.7
17.5°	959.3	958.2	962.8	958.2	965.1
20°	728.4	736.5	737.7	737.7	741.1
22.5°	549.5	549.5	554.1	555.3	553.0
25°	412.1	412.1	417.9	414.4	416.7
27.5°	304.8	307.1	311.7	314.0	314.0
30°	229.7	230.9	234.3	235.5	235.5
32.5°	173.2	175.5	177.8	178.9	180.1
35°	132.8	133.9	136.2	137.4	136.2
37.5°	101.6	102.7	105.1	106.2	106.2
40°	80.8	80.8	82.0	83.1	83.1
42.5°	63.5	64.6	64.6	65.8	65.8
45°	51.9	51.9	53.1	53.1	54.3
47.5°	41.6	41.6	42.7	43.9	43.9
50°	34.6	34.6	35.8	35.8	35.8
52.5°	28.9	28.9	30.0	30.0	30.0
55°	24.2	24.2	25.4	25.4	25.4
57.5°	20.8	20.8	21.9	21.9	21.9
60°	18.5	18.5	18.5	18.5	19.6
62.5°	16.2	16.2	16.2	16.2	16.2
65°	13.9	13.9	13.9	13.9	15.0
67.5°	11.5	11.5	11.5	11.5	12.7
70°	10.4	10.4	10.4	10.4	10.4
72.5°	8.1	8.1	8.1	9.2	9.2
75°	6.9	6.9	6.9	6.9	6.9
77.5°	5.8	5.8	5.8	5.8	5.8
80°	3.5	3.5	3.5	4.6	4.6
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	2.3
87.5°	0.0	0.0	0.0	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)