

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: P1314615

Luminaire Tested: LDSQA3D13R209730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314615
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: LDSQA3D13R209730DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

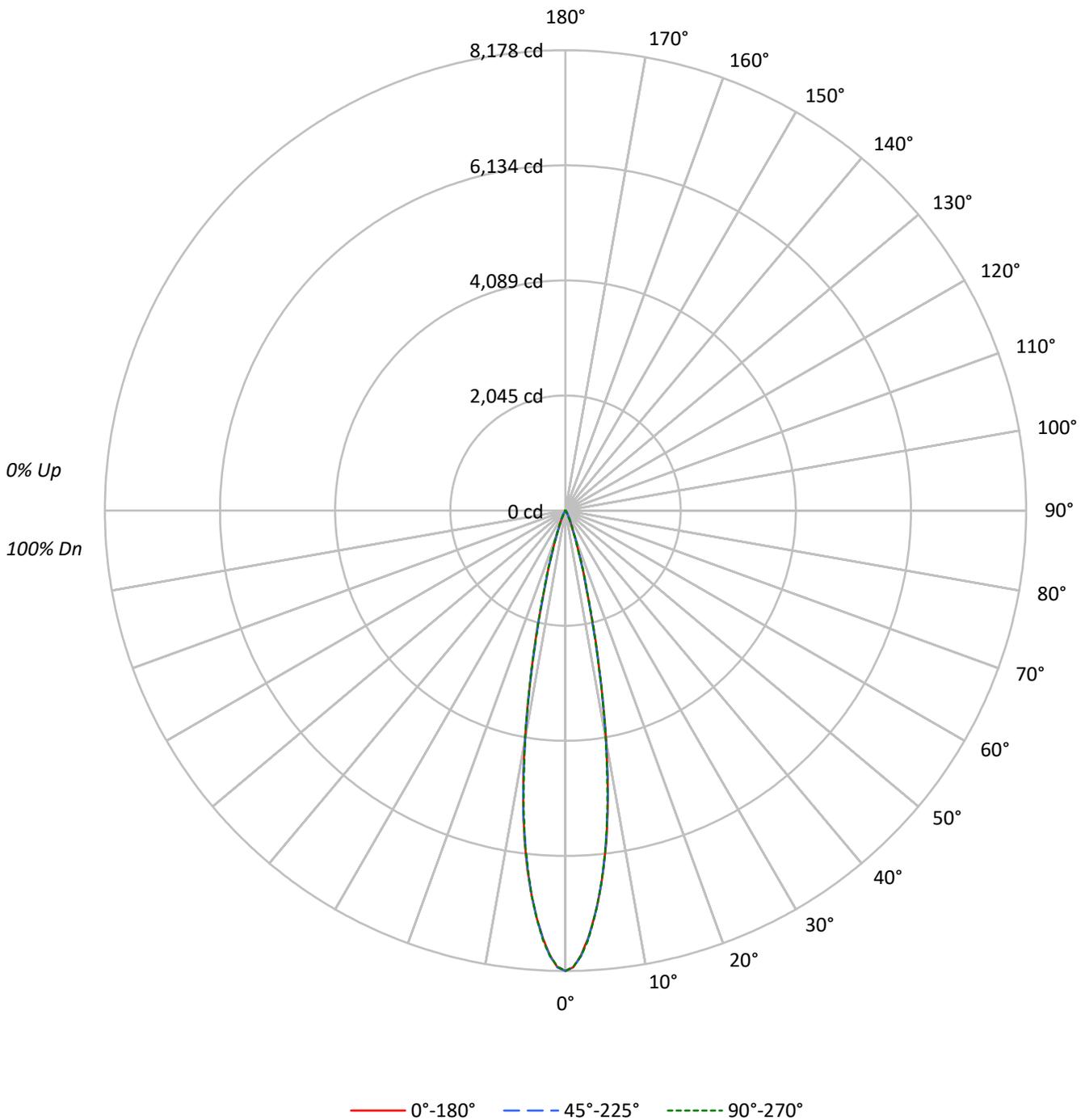
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1127.0 lumens
Efficiency: N/A
Efficacy: 77.2 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): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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: P1314615
CATALOG NUMBER: LDSQA3D13R209730DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1314615
 CATALOG NUMBER: LDSQA3D13R209730DE010 3LSQCDR1MW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1408471	1408471	1408471
5°	1187119	1187568	1186980
10°	723406	720049	721728
15°	254823	255911	263828
20°	80073	82309	80550
25°	29986	32799	30822
30°	11614	16466	12131
35°	4394	7338	4773
40°	2361	3147	2361
45°	852	1486	1072
50°	455	697	455
55°	510	510	510
60°	310	310	310
65°	367	367	367
70°	453	453	453
75°	0	0	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1486 cd/sqm



TEST NUMBER: P1314615

CATALOG NUMBER: LDSQA3D13R209730DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.7	50.4
10°-20°	445.2	39.5
20°-30°	87.4	7.8
30°-40°	19.6	1.7
40°-50°	4.5	0.4
50°-60°	1.4	0.1
60°-70°	0.9	0.1
70°-80°	0.4	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°	1100.3	97.6
0°-40°	1119.9	99.4
0°-60°	1125.7	99.9
0°-90°	1127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1127.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8178	8178	8178	8178	8178	
5°	6867	6873	6869	6893	6866	569
15°	1429	1435	1435	1467	1480	444
25°	158	168	173	170	162	83
35°	21	25	35	25	23	16
45°	4	5	6	5	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1314615
 CATALOG NUMBER: LDSQA3D13R209730DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8178.2	8178.2	8178.2	8178.2	8178.2
1°	8111.9	8094.5	8114.5	8098.8	8102.3
2°	7901.8	7892.2	7918.3	7901.8	7910.5
3°	7609.6	7597.4	7616.6	7617.5	7641.9
4°	7260.9	7237.3	7266.1	7267.0	7271.3
5°	6866.7	6872.8	6869.3	6892.9	6865.9
6°	6423.8	6443.8	6417.7	6430.7	6393.3
7°	5928.5	5903.2	5890.1	5894.5	5920.6
8°	5381.8	5364.3	5383.5	5356.5	5338.2
9°	4774.0	4743.5	4764.4	4738.3	4712.1
10°	4136.6	4122.7	4117.4	4087.8	4127.0
11°	3497.5	3455.6	3476.5	3461.7	3504.4
12°	2899.3	2902.8	2861.8	2874.9	2880.1
13°	2359.5	2303.7	2310.7	2346.5	2352.6
14°	1830.3	1838.1	1840.7	1866.0	1880.8
15°	1429.2	1435.3	1435.3	1466.6	1479.7
17.5°	766.5	766.5	783.0	786.5	788.3
20°	436.9	439.5	449.1	448.2	439.5
22.5°	261.6	266.8	272.1	266.8	261.6
25°	157.8	168.3	172.6	170.0	162.2
27.5°	94.2	105.5	117.7	108.1	93.3
30°	58.4	64.5	82.8	66.3	61.0
32.5°	32.3	41.9	56.7	43.6	33.1
35°	20.9	25.3	34.9	25.3	22.7
37.5°	14.8	17.4	21.8	18.3	15.7
40°	10.5	12.2	14.0	13.1	10.5
42.5°	7.0	8.7	9.6	8.7	7.0
45°	3.5	5.2	6.1	5.2	4.4
47.5°	1.7	2.6	4.4	2.6	1.7
50°	1.7	1.7	2.6	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	0.9	1.7	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.9
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: P1314615
CATALOG NUMBER: LDSQA3D13R209730DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)