

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: P1316508

Luminaire Tested: LDSQA3D09R709740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

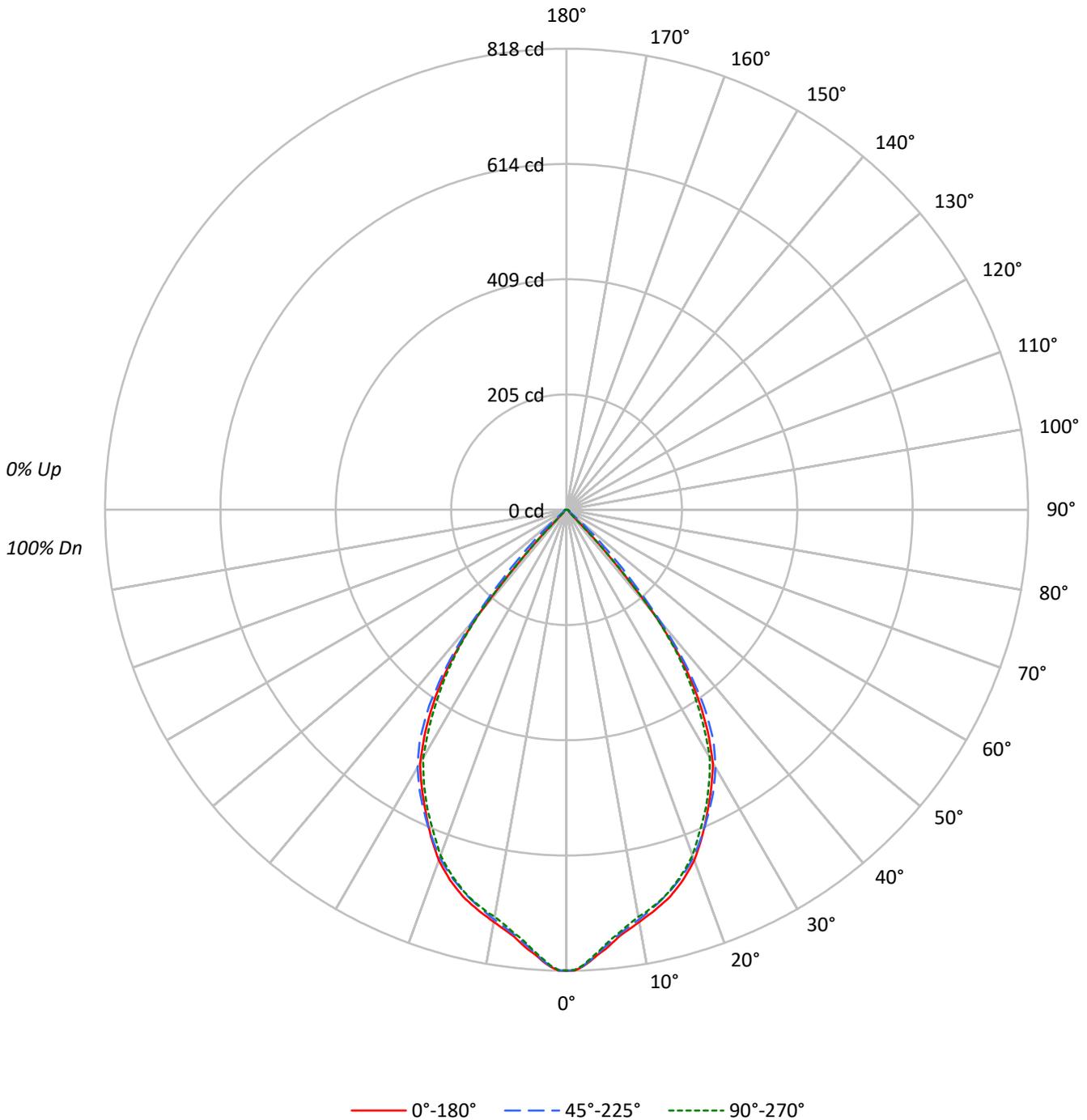
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 872.0 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1316508
CATALOG NUMBER: LDSQA3D09R709740DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1316508

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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	140844	140844	140844
5°	135383	134639	134155
10°	129883	129131	128274
15°	126609	125219	125094
20°	121310	120394	119624
25°	112306	113123	110957
30°	103171	105001	101044
35°	85086	89102	81806
40°	54159	58318	54159
45°	3800	25208	4141
50°	1715	5117	1715
55°	1922	1922	1922
60°	1963	1963	1963
65°	1752	2038	1752
70°	1762	2165	1762
75°	1863	1863	1863
80°	2083	2083	2083
85°	1383	2766	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 25208 cd/sqm



TEST NUMBER: P1316508

CATALOG NUMBER: LDSQA3D09R709740DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	8.4
10°-20°	197.6	22.7
20°-30°	271.6	31.1
30°-40°	248.7	28.5
40°-50°	66.0	7.6
50°-60°	5.9	0.7
60°-70°	4.8	0.6
70°-80°	3.2	0.4
80°-90°	1.2	0.1
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°	542.1	62.2
0°-40°	790.9	90.7
0°-60°	862.8	98.9
0°-90°	872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	872.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	818	818	818	818	818	
5°	783	780	779	777	776	73
15°	710	704	702	702	702	199
25°	591	593	595	588	584	272
35°	405	411	424	405	389	245
45°	16	53	104	54	17	47
55°	6	6	6	6	6	5
65°	4	5	5	5	4	5
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D09R709740DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	817.8	817.8	817.8	817.8	817.8
1°	817.8	816.4	817.8	817.8	816.4
2°	811.4	810.0	810.7	810.0	809.3
3°	802.2	800.1	800.8	799.4	798.0
4°	791.6	789.5	789.5	788.8	787.3
5°	783.1	779.5	778.8	777.4	776.0
6°	773.2	769.6	768.9	766.8	765.4
7°	763.2	760.4	759.7	756.9	756.9
8°	755.4	751.9	751.9	748.4	748.4
9°	749.1	744.8	744.8	742.0	740.6
10°	742.7	738.4	738.4	734.9	733.5
11°	736.3	732.8	731.4	729.2	728.5
12°	730.6	725.7	724.3	723.6	722.1
13°	723.6	718.6	717.2	716.5	715.8
14°	717.2	710.8	710.1	708.7	709.4
15°	710.1	703.7	702.3	702.3	701.6
17.5°	688.1	683.9	681.7	680.3	678.9
20°	661.9	658.4	656.9	654.1	652.7
22.5°	627.9	627.2	626.5	622.9	617.3
25°	591.0	593.2	595.3	588.2	583.9
27.5°	555.6	561.3	563.4	556.3	547.1
30°	518.8	523.7	528.0	518.0	508.1
32.5°	465.6	477.6	484.0	472.7	450.0
35°	404.7	411.0	423.8	404.7	389.1
37.5°	333.8	337.3	347.3	334.5	323.9
40°	240.9	251.6	259.4	251.6	240.9
42.5°	108.4	151.7	171.5	160.2	113.4
45°	15.6	53.2	103.5	53.9	17.0
47.5°	6.4	8.5	53.9	7.8	6.4
50°	6.4	6.4	19.1	6.4	6.4
52.5°	6.4	6.4	7.1	6.4	6.4
55°	6.4	6.4	6.4	6.4	6.4
57.5°	5.7	5.7	6.4	5.7	5.7
60°	5.7	5.7	5.7	5.7	5.7
62.5°	5.0	5.7	5.7	5.7	5.0
65°	4.3	5.0	5.0	5.0	4.3
67.5°	4.3	4.3	4.3	4.3	4.3
70°	3.5	4.3	4.3	4.3	3.5
72.5°	3.5	3.5	3.5	3.5	3.5
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.1	2.8	2.8	2.8	2.1
80°	2.1	2.1	2.1	2.1	2.1
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	1.4	1.4	1.4	0.7
87.5°	0.7	0.7	0.7	0.7	0.7



TEST NUMBER: P1316508
CATALOG NUMBER: LDSQA3D09R709740DE010 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)