

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: P1320023

Luminaire Tested: LDSQA3D09R559840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

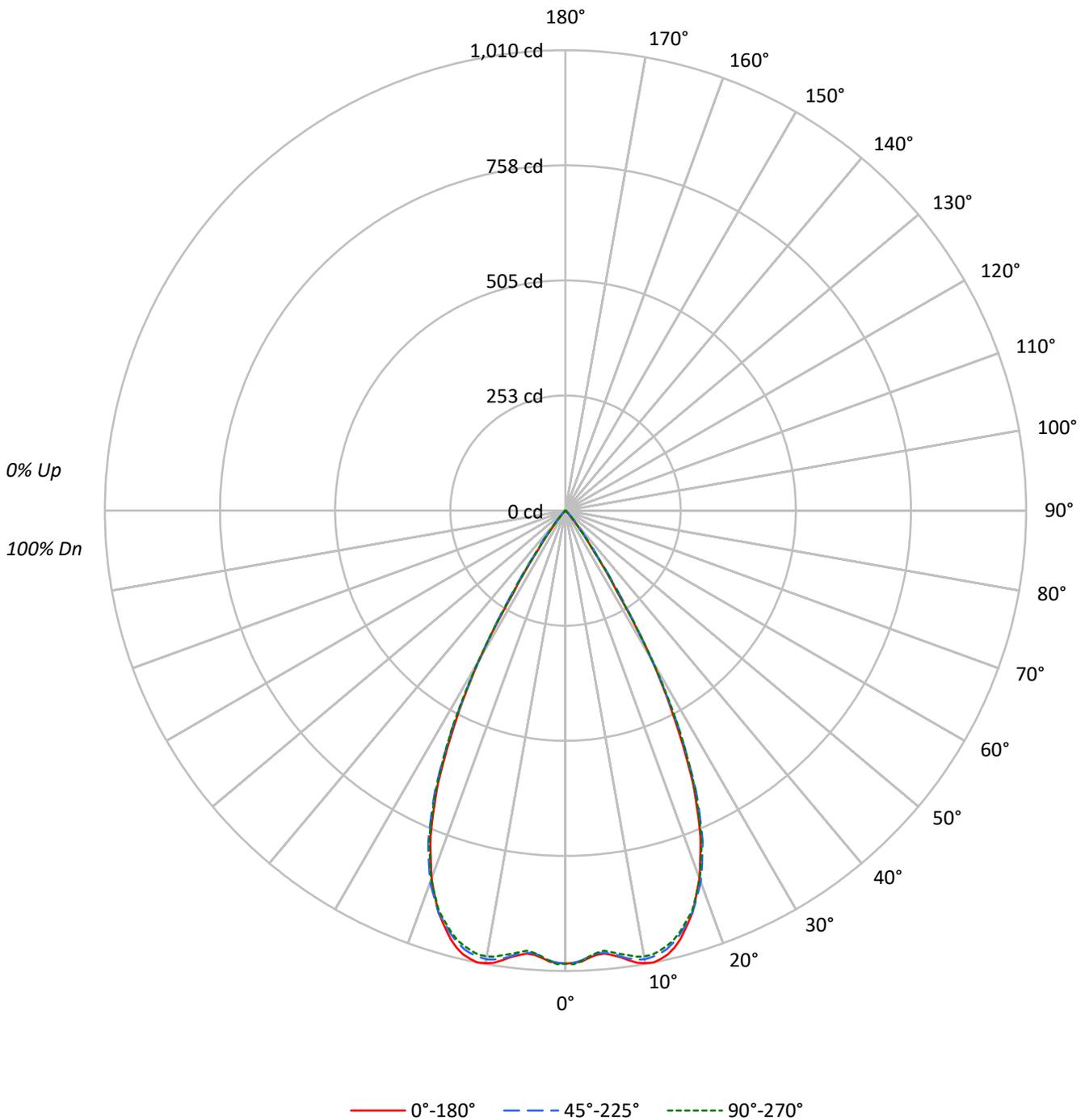
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 762.0 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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

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Luminous Intensity Polar Plot





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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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	171138	171138	171138
5°	168680	168386	167573
10°	176313	174792	173673
15°	173555	172004	171273
20°	157379	158973	157800
25°	125855	128496	127280
30°	75469	75469	76384
35°	21802	25818	22538
40°	6250	8476	6250
45°	1413	3239	1413
50°	616	1099	455
55°	510	510	510
60°	586	586	586
65°	489	489	489
70°	604	604	604
75°	399	399	399
80°	595	595	595
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3239 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.2	12.4
10°-20°	268.5	35.2
20°-30°	295.9	38.8
30°-40°	90.5	11.9
40°-50°	9.0	1.2
50°-60°	1.6	0.2
60°-70°	1.3	0.2
70°-80°	0.8	0.1
80°-90°	0.2	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°	658.6	86.4
0°-40°	749.1	98.3
0°-60°	759.7	99.7
0°-90°	762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	762.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	994	994	994	994	994	
5°	976	976	974	971	969	95
15°	973	972	965	961	961	270
25°	662	669	676	682	670	292
35°	104	109	123	113	107	85
45°	6	9	13	9	6	7
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	993.7	993.7	993.7	993.7	993.7
1°	992.5	993.1	992.5	991.3	995.4
2°	990.2	989.6	987.9	987.3	989.0
3°	982.7	982.7	980.3	979.2	979.8
4°	976.9	976.9	973.4	972.2	972.8
5°	975.7	975.7	974.0	971.1	969.3
6°	980.3	981.5	977.4	974.5	974.5
7°	987.3	987.9	985.0	980.9	979.8
8°	996.0	996.6	991.9	987.3	985.0
9°	1004.7	1003.5	997.1	992.5	990.8
10°	1008.2	1007.6	999.5	994.8	993.1
11°	1009.9	1007.0	997.7	993.7	993.1
12°	1005.8	1003.5	993.7	989.6	987.9
13°	998.9	995.4	987.3	983.2	980.9
14°	987.9	984.4	976.9	972.2	972.8
15°	973.4	971.7	964.7	960.6	960.6
17.5°	925.3	926.5	924.7	923.0	921.8
20°	858.7	863.3	867.4	865.0	861.0
22.5°	773.5	781.6	786.2	787.4	779.9
25°	662.3	668.6	676.2	682.5	669.8
27.5°	523.8	529.6	536.5	540.6	538.8
30°	379.5	380.1	379.5	387.0	384.1
32.5°	210.9	228.3	231.2	236.4	217.9
35°	103.7	108.9	122.8	113.0	107.2
37.5°	49.8	53.3	66.6	54.5	52.1
40°	27.8	30.1	37.7	31.3	27.8
42.5°	13.3	17.4	20.3	18.0	13.3
45°	5.8	8.7	13.3	8.7	5.8
47.5°	2.3	3.5	8.1	3.5	2.3
50°	2.3	1.7	4.1	1.7	1.7
52.5°	1.7	1.7	2.3	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.2	1.7	1.7	1.7	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	0.6	1.2	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)