

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: P1319951

Luminaire Tested: LDSQA3D09R259840DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259840DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

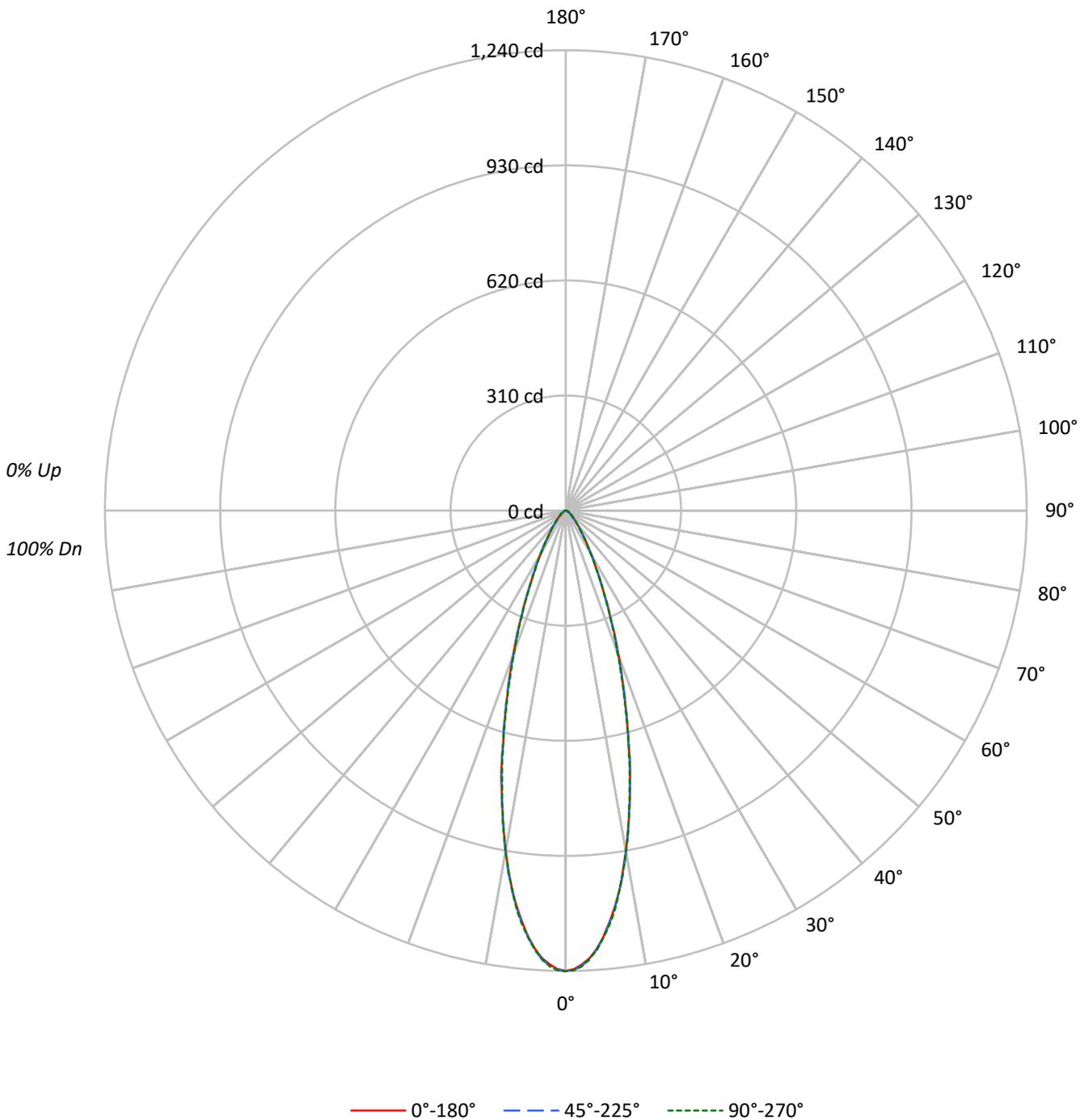
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 497.0 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
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 (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: P1319951
CATALOG NUMBER: LDSQA3D09R259840DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1319951

CATALOG NUMBER: LDSQA3D09R259840DE010 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	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	73	78	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	213625	213625	213625
5°	199400	199591	199694
10°	162638	163145	163145
15°	116161	116785	116161
20°	76023	75290	74208
25°	45207	45416	45207
30°	27225	27225	27105
35°	16588	16714	16588
40°	10567	10701	10701
45°	7355	7355	7355
50°	5278	5439	5439
55°	4174	4174	4354
60°	3410	3582	3582
65°	3056	3056	3056
70°	2618	2618	2921
75°	2329	2329	2728
80°	2281	2281	2281
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7355 cd/sqm



TEST NUMBER: P1319951

CATALOG NUMBER: LDSQA3D09R259840DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	20.7
10°-20°	179.7	36.2
20°-30°	112.9	22.7
30°-40°	51.7	10.4
40°-50°	24.1	4.9
50°-60°	13.0	2.6
60°-70°	7.6	1.5
70°-80°	4.0	0.8
80°-90°	0.9	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°	395.7	79.6
0°-40°	447.4	90.0
0°-60°	484.5	97.5
0°-90°	497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	497.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1240	1240	1240	1240	1240	
5°	1153	1156	1154	1156	1155	103
15°	652	656	655	656	652	180
25°	238	241	239	239	238	113
35°	79	79	80	80	79	52
45°	30	30	30	30	30	24
55°	14	14	14	14	14	13
65°	8	8	8	8	8	7
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1240.4	1240.4	1240.4	1240.4	1240.4
1°	1235.2	1236.3	1237.5	1239.2	1238.6
2°	1223.6	1225.9	1226.5	1228.8	1228.2
3°	1207.9	1207.3	1211.9	1211.9	1209.0
4°	1183.5	1184.7	1185.8	1187.0	1187.6
5°	1153.4	1155.7	1154.5	1155.7	1155.1
6°	1116.2	1119.7	1119.1	1120.3	1122.0
7°	1076.8	1079.1	1079.1	1077.9	1082.6
8°	1033.8	1032.1	1035.0	1033.8	1033.3
9°	982.8	986.3	986.8	983.9	985.1
10°	930.0	932.3	932.9	934.6	932.9
11°	877.8	877.8	878.9	881.8	877.2
12°	820.9	826.1	820.9	823.2	820.9
13°	767.0	768.1	767.0	766.4	762.3
14°	715.9	711.9	713.0	708.4	709.0
15°	651.5	655.6	655.0	656.2	651.5
17.5°	523.9	526.2	525.6	524.5	518.7
20°	414.8	414.8	410.8	408.4	404.9
22.5°	316.8	315.6	313.9	312.1	313.3
25°	237.9	240.8	239.0	239.0	237.9
27.5°	179.8	183.3	180.4	178.7	179.8
30°	136.9	138.1	136.9	136.3	136.3
32.5°	103.3	103.8	103.3	103.3	103.3
35°	78.9	78.9	79.5	79.5	78.9
37.5°	60.9	60.9	60.9	60.9	61.5
40°	47.0	47.6	47.6	47.6	47.6
42.5°	37.1	37.7	37.7	37.7	37.7
45°	30.2	30.2	30.2	30.2	30.2
47.5°	24.4	24.4	24.4	24.4	24.9
50°	19.7	20.3	20.3	20.3	20.3
52.5°	16.8	16.8	16.8	16.8	16.8
55°	13.9	13.9	13.9	14.5	14.5
57.5°	11.6	11.6	12.2	12.2	12.2
60°	9.9	10.4	10.4	10.4	10.4
62.5°	8.7	8.7	9.3	9.3	9.3
65°	7.5	7.5	7.5	7.5	7.5
67.5°	6.4	6.4	6.4	6.4	7.0
70°	5.2	5.2	5.2	5.8	5.8
72.5°	4.6	4.6	4.6	4.6	4.6
75°	3.5	3.5	3.5	4.1	4.1
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.2	1.2	1.7	1.7	1.7
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1319951
CATALOG NUMBER: LDSQA3D09R259840DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)