

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: P1317386

Luminaire Tested: LDSQA3D09R509827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R509827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

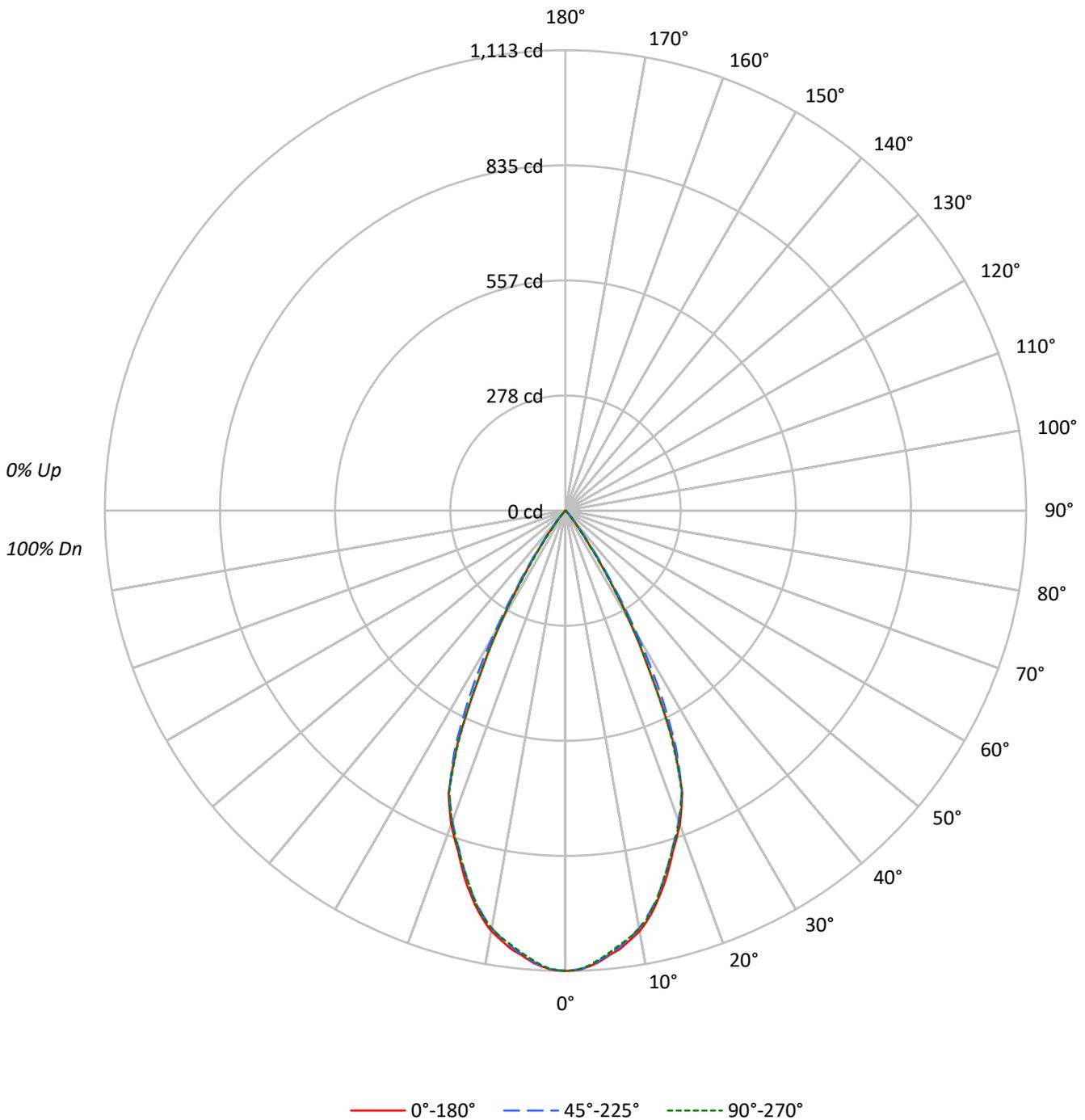
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 716.9 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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				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	112	109	107	112	109	107	106	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	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	191615	191615	191615
5°	187852	187506	186970
10°	180511	179251	179356
15°	165710	164159	163981
20°	148032	146455	147189
25°	116353	119736	115384
30°	62245	69742	62444
35°	20331	23758	19153
40°	5036	6295	4811
45°	609	2241	609
50°	402	670	402
55°	450	450	450
60°	344	344	344
65°	408	408	408
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2241 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	14.2
10°-20°	257.3	35.9
20°-30°	270.6	37.7
30°-40°	78.0	10.9
40°-50°	6.3	0.9
50°-60°	1.3	0.2
60°-70°	1.0	0.1
70°-80°	0.5	0.1
80°-90°	0.1	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°	629.7	87.8
0°-40°	707.6	98.7
0°-60°	715.3	99.8
0°-90°	716.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	716.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1113	1113	1113	1113	1113	
5°	1087	1086	1085	1086	1082	102
15°	929	923	921	921	920	259
25°	612	628	630	623	607	265
35°	97	100	113	97	91	75
45°	2	5	9	5	2	5
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1112.6	1112.6	1112.6	1112.6	1112.6
1°	1112.1	1113.1	1111.1	1114.6	1111.6
2°	1109.5	1110.0	1109.0	1111.6	1107.5
3°	1103.4	1104.4	1102.4	1104.4	1100.9
4°	1096.3	1096.3	1094.3	1095.8	1091.2
5°	1086.6	1086.1	1084.6	1085.6	1081.5
6°	1076.5	1075.9	1073.4	1073.4	1070.3
7°	1068.8	1065.3	1063.2	1062.7	1059.7
8°	1056.6	1055.6	1051.5	1051.5	1049.5
9°	1044.4	1043.4	1038.8	1039.8	1038.3
10°	1032.2	1028.6	1025.0	1025.6	1025.6
11°	1015.9	1012.8	1007.7	1009.8	1010.8
12°	996.5	993.0	988.4	992.5	992.0
13°	975.2	972.1	968.6	971.6	970.6
14°	952.8	948.2	945.1	947.2	946.2
15°	929.4	923.3	920.7	920.7	919.7
17.5°	863.7	860.1	857.6	856.1	859.6
20°	807.7	804.7	799.1	800.6	803.1
22.5°	737.5	737.0	733.9	731.4	734.4
25°	612.3	627.5	630.1	623.0	607.2
27.5°	444.8	480.5	493.2	476.4	447.4
30°	313.0	329.8	350.7	317.6	314.0
32.5°	188.8	193.4	212.7	189.8	184.8
35°	96.7	100.3	113.0	96.7	91.1
37.5°	45.3	47.3	52.4	45.3	42.2
40°	22.4	24.9	28.0	23.4	21.4
42.5°	9.7	12.7	16.3	12.2	8.7
45°	2.5	5.1	9.2	5.1	2.5
47.5°	1.5	2.0	5.1	2.0	1.5
50°	1.5	1.5	2.5	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.0	1.5	1.0	1.5	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.0	0.5	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



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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)