

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: P1313568

Luminaire Tested: LDSQA3D09R559727DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559727DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

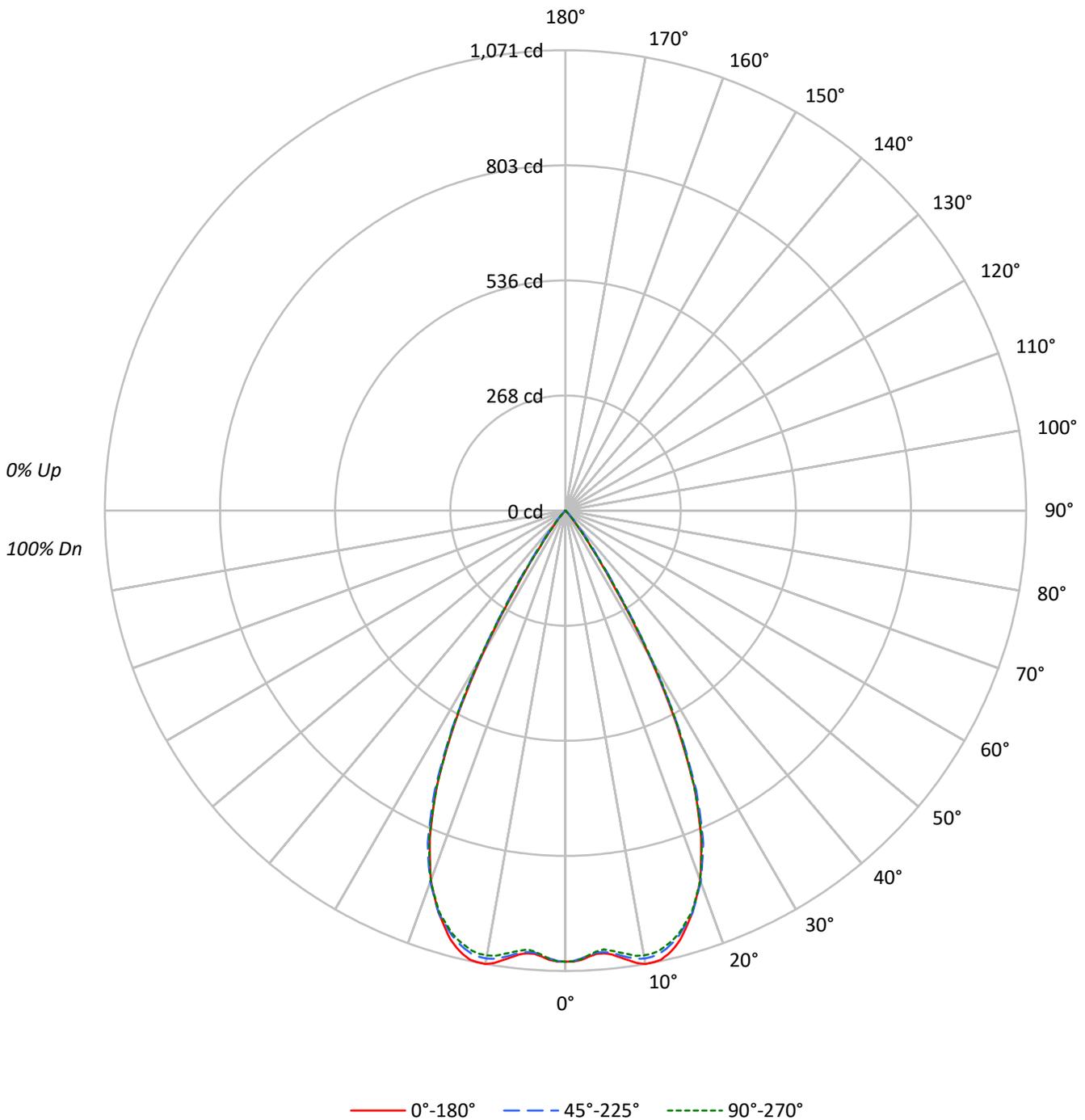
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 798.0 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	180765	180765	180765
5°	178707	178188	177220
10°	187313	185057	183781
15°	184200	182238	181579
20°	167789	168449	167899
25°	134596	136705	134596
30°	77259	79208	79825
35°	22034	26533	22664
40°	5643	8139	5778
45°	609	2825	438
50°	0	482	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2825 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.7	12.5
10°-20°	284.4	35.6
20°-30°	313.2	39.3
30°-40°	93.5	11.7
40°-50°	7.2	0.9
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	697.3	87.4
0°-40°	790.8	99.1
0°-60°	798.0	100.0
0°-90°	798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	798.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1050	1050	1050	1050	1050	
5°	1034	1032	1031	1026	1025	100
15°	1033	1026	1022	1018	1018	286
25°	708	708	719	718	708	310
35°	105	112	126	115	108	87
45°	2	6	12	6	2	5
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	1049.6	1049.6	1049.6	1049.6	1049.6
1°	1049.0	1049.0	1047.8	1047.2	1049.0
2°	1046.0	1046.0	1042.9	1042.3	1044.1
3°	1039.2	1038.6	1036.2	1034.3	1035.6
4°	1033.7	1032.5	1030.7	1027.6	1028.2
5°	1033.7	1031.9	1030.7	1026.4	1025.1
6°	1038.6	1037.4	1034.9	1030.7	1029.4
7°	1047.2	1044.7	1042.3	1036.8	1035.6
8°	1056.4	1054.5	1049.6	1044.1	1041.7
9°	1065.6	1061.3	1055.2	1049.6	1049.0
10°	1071.1	1065.0	1058.2	1051.5	1050.9
11°	1070.5	1065.0	1057.0	1050.9	1050.3
12°	1068.0	1060.1	1053.3	1046.0	1046.6
13°	1059.4	1052.1	1045.4	1039.8	1038.6
14°	1047.8	1041.1	1034.9	1029.4	1030.0
15°	1033.1	1025.7	1022.1	1017.8	1018.4
17.5°	981.0	979.2	981.0	976.1	978.0
20°	915.5	913.6	919.1	916.7	916.1
22.5°	824.2	826.6	837.0	834.0	828.4
25°	708.3	708.3	719.4	718.1	708.3
27.5°	557.6	561.9	568.6	571.7	564.3
30°	388.5	398.3	398.3	404.4	401.4
32.5°	216.9	237.7	242.7	245.7	233.5
35°	104.8	111.5	126.2	115.2	107.8
37.5°	50.2	53.3	68.0	55.1	51.5
40°	25.1	28.8	36.2	30.0	25.7
42.5°	10.4	15.3	19.0	15.3	10.4
45°	2.5	6.1	11.6	6.1	1.8
47.5°	0.0	0.6	5.5	1.2	0.0
50°	0.0	0.0	1.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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



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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)