

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: P1312341

Luminaire Tested: LDSQA3D09R159050DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159050DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

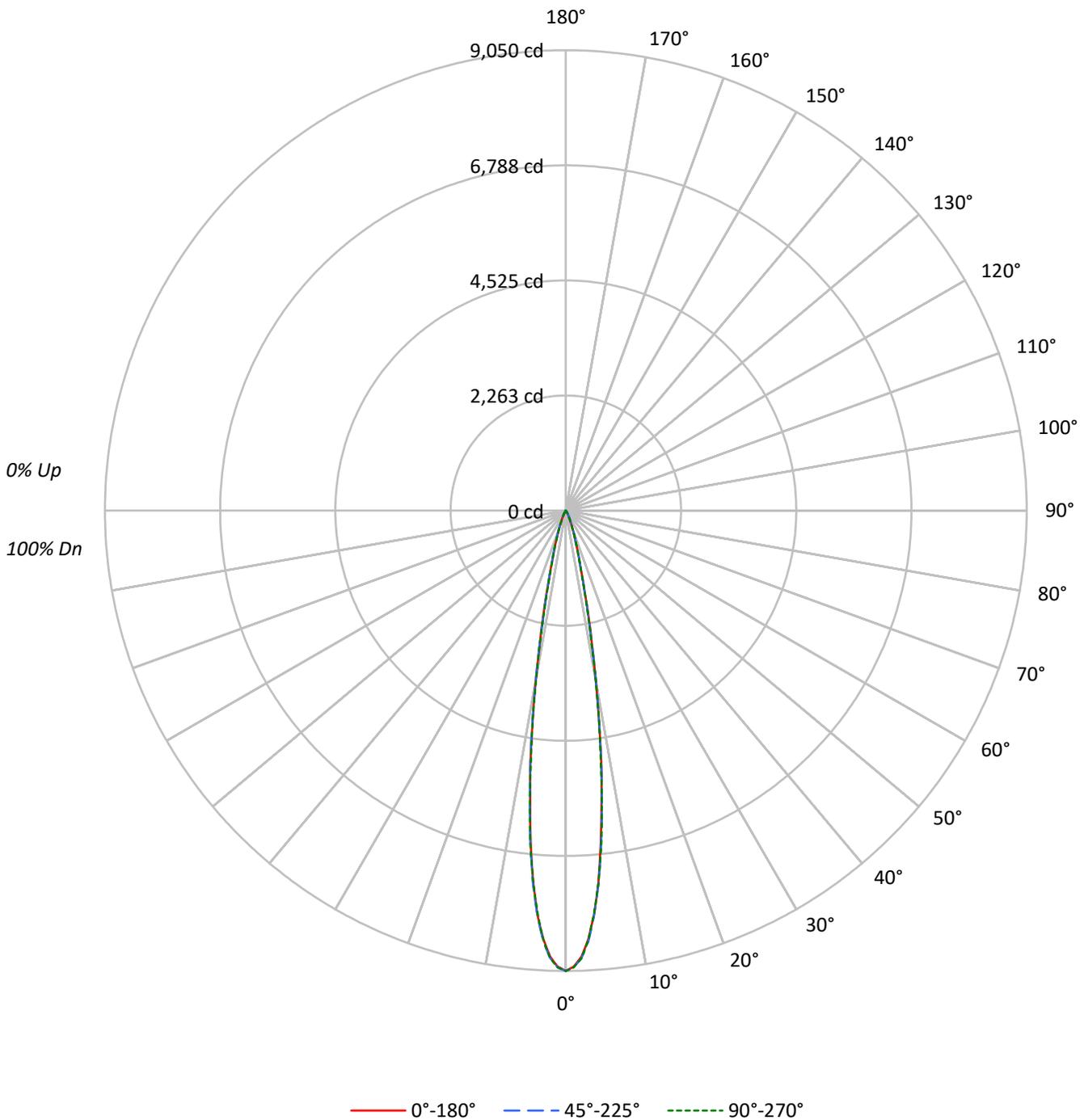
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1010.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
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				
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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	90	88	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1558546	1558546	1558546
5°	1268943	1273092	1270603
10°	591932	597248	589694
15°	185876	187445	186304
20°	73640	76573	71294
25°	29758	35972	28694
30°	11912	16367	11276
35°	3532	7232	3364
40°	1079	2698	899
45°	195	585	195
50°	0	214	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: 585 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.6	56.1
10°-20°	338.9	33.6
20°-30°	85.5	8.5
30°-40°	17.5	1.7
40°-50°	1.6	0.2
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°	990.9	98.1
0°-40°	1008.4	99.8
0°-60°	1010.0	100.0
0°-90°	1010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1010.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9050	9050	9050	9050	9050	
5°	7340	7326	7364	7346	7350	565
15°	1042	1051	1051	1036	1045	339
25°	157	171	189	168	151	80
35°	17	22	34	22	16	14
45°	1	2	2	2	1	1
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°	9049.6	9049.6	9049.6	9049.6	9049.6
1°	8968.1	8998.4	8982.5	8995.2	8980.9
2°	8774.0	8814.7	8801.9	8797.9	8809.1
3°	8432.0	8479.2	8477.6	8465.6	8446.4
4°	7965.5	7946.3	7975.9	7972.7	7939.9
5°	7340.0	7326.4	7364.0	7345.6	7349.6
6°	6574.7	6633.8	6621.0	6622.6	6637.8
7°	5752.6	5784.6	5811.8	5834.1	5803.0
8°	4997.7	4989.7	4992.1	5017.7	4931.4
9°	4152.5	4202.0	4170.1	4119.0	4151.7
10°	3384.8	3415.2	3415.2	3370.4	3372.0
11°	2698.6	2723.3	2705.8	2716.9	2646.6
12°	2175.3	2113.8	2099.4	2110.6	2109.8
13°	1660.8	1664.8	1660.8	1660.0	1652.1
14°	1302.2	1322.9	1314.1	1292.6	1283.0
15°	1042.5	1051.3	1051.3	1036.1	1044.9
17.5°	626.3	636.7	639.1	628.7	628.7
20°	401.8	406.6	417.8	402.6	389.0
22.5°	247.6	258.0	277.2	254.8	243.7
25°	156.6	171.0	189.3	167.8	151.0
27.5°	98.3	110.2	126.2	105.5	95.1
30°	59.9	67.9	82.3	66.3	56.7
32.5°	33.6	39.9	51.9	38.3	32.0
35°	16.8	22.4	34.4	21.6	16.0
37.5°	9.6	12.0	21.6	10.4	8.8
40°	4.8	6.4	12.0	6.4	4.0
42.5°	1.6	3.2	4.8	3.2	1.6
45°	0.8	1.6	2.4	1.6	0.8
47.5°	0.0	0.0	0.8	0.0	0.0
50°	0.0	0.0	0.8	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)