

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: P1320044

Luminaire Tested: LDSQA3D09R709840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

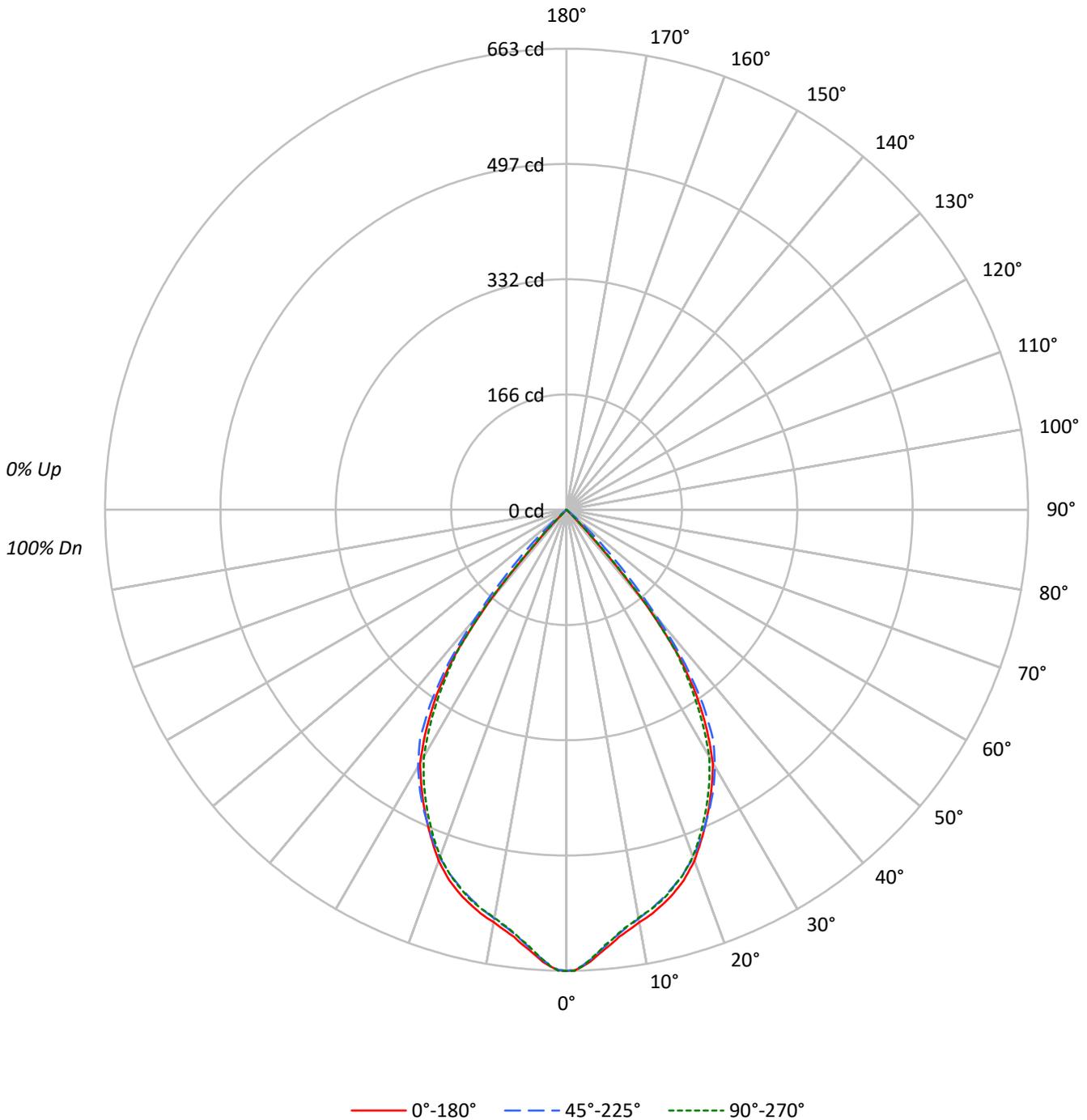
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 686.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
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	100	100	100	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	93	93	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	86	86	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80	80	80	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74	74	74	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68	68	68	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63	63	63	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48	48	48	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	114201	114201	114201
5°	109624	109018	108725
10°	105312	104386	104193
15°	102807	101362	101576
20°	98456	97503	97283
25°	91384	91612	90168
30°	83643	84796	81555
35°	68414	71715	65744
40°	39389	45908	40423
45°	560	19071	1973
50°	0	2009	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: 19071 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	8.6
10°-20°	160.3	23.4
20°-30°	220.2	32.1
30°-40°	199.7	29.1
40°-50°	46.4	6.8
50°-60°	0.2	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°	439.7	64.1
0°-40°	639.4	93.2
0°-60°	686.0	100.0
0°-90°	686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	663	663	663	663	663	
5°	634	632	631	629	629	60
15°	577	573	568	568	570	162
25°	481	483	482	477	474	221
35°	325	330	341	327	313	195
45°	2	26	78	34	8	28
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°	663.1	663.1	663.1	663.1	663.1
1°	662.5	661.3	661.9	662.5	663.1
2°	657.3	656.1	656.1	656.7	656.7
3°	650.9	648.6	648.6	648.0	648.0
4°	642.2	640.5	639.3	638.7	638.7
5°	634.1	632.3	630.6	629.4	628.9
6°	627.1	624.2	621.9	621.3	621.9
7°	619.0	617.2	614.9	613.2	613.8
8°	613.2	610.9	608.0	606.8	606.8
9°	608.0	605.6	602.7	600.4	601.6
10°	602.2	599.8	596.9	595.2	595.8
11°	598.1	595.2	591.7	590.6	591.1
12°	593.5	590.0	586.5	585.9	587.1
13°	587.7	584.2	580.7	580.7	581.9
14°	582.4	578.4	574.9	574.9	576.6
15°	576.6	572.6	568.5	568.5	569.7
17.5°	559.2	555.8	551.7	551.7	552.3
20°	537.2	535.5	532.0	530.2	530.8
22.5°	509.3	509.3	507.6	504.7	503.5
25°	480.9	483.2	482.1	477.4	474.5
27.5°	451.3	455.4	456.0	449.0	443.8
30°	420.6	424.1	426.4	418.3	410.1
32.5°	375.3	385.8	391.6	380.6	363.7
35°	325.4	330.1	341.1	326.6	312.7
37.5°	264.5	270.3	279.6	268.0	259.9
40°	175.2	198.4	204.2	198.4	179.8
42.5°	63.2	111.4	134.0	113.7	74.3
45°	2.3	26.1	78.3	33.6	8.1
47.5°	0.0	0.6	35.4	1.2	0.0
50°	0.0	0.0	7.5	0.0	0.0
52.5°	0.0	0.0	0.6	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)