

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: P1313592

Luminaire Tested: LDSQA3D09R709727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

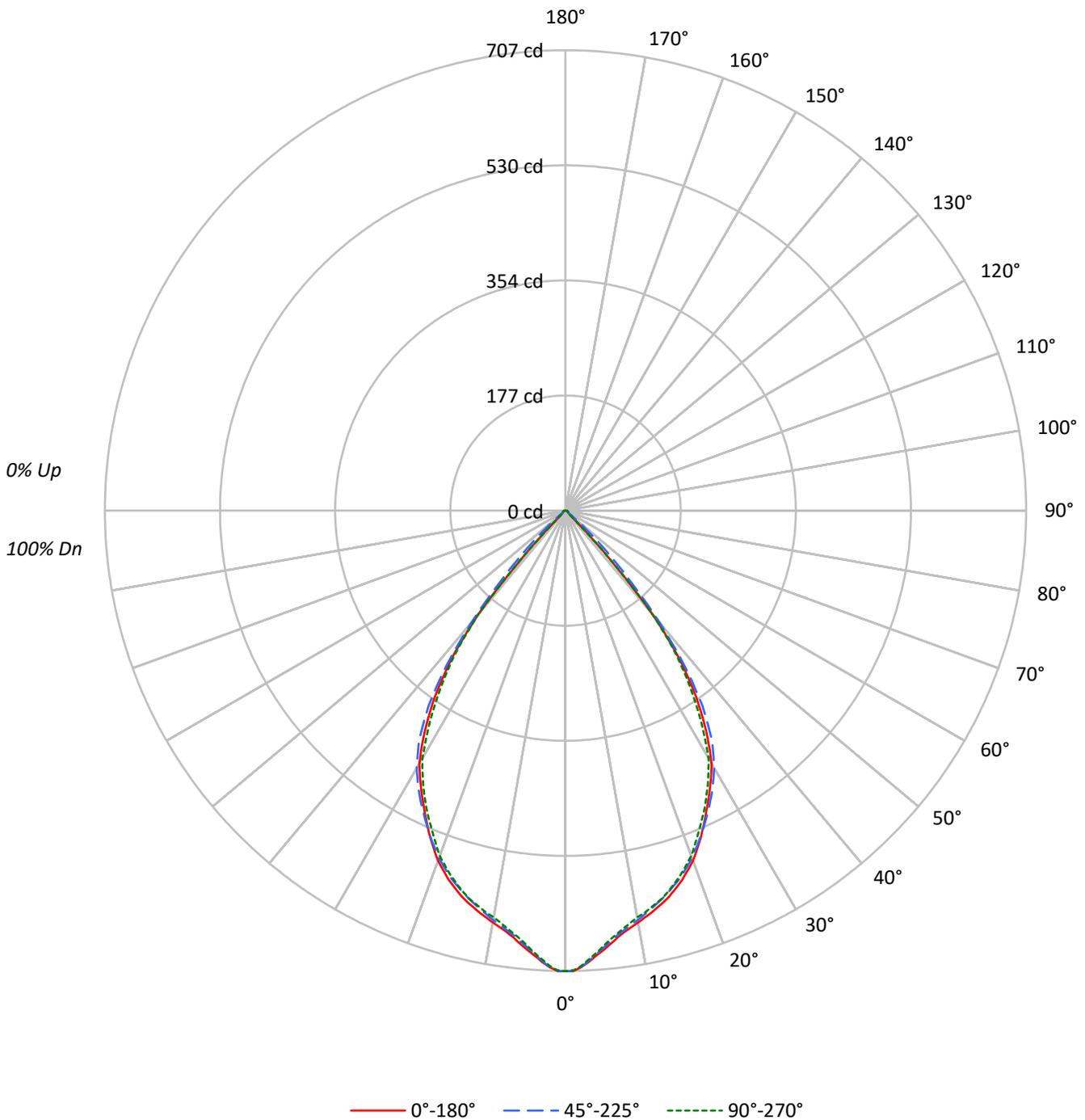
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 754.0 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	121779	121779	121779
5°	117057	116418	116003
10°	112308	111661	110909
15°	109475	108280	108156
20°	104889	104100	103441
25°	97123	97807	95944
30°	89211	90782	87382
35°	73565	77034	70726
40°	46830	50427	46830
45°	3288	21799	3580
50°	1474	4421	1474
55°	1651	1651	1651
60°	1688	1688	1688
65°	1508	1752	1508
70°	1561	1863	1561
75°	1664	1664	1664
80°	1785	1785	1785
85°	1186	2371	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 21799 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	8.4
10°-20°	170.8	22.7
20°-30°	234.8	31.1
30°-40°	215.1	28.5
40°-50°	57.1	7.6
50°-60°	5.1	0.7
60°-70°	4.2	0.6
70°-80°	2.8	0.4
80°-90°	1.0	0.1
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°	468.8	62.2
0°-40°	683.8	90.7
0°-60°	746.0	98.9
0°-90°	754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	754.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	707	707	707	707	707	
5°	677	674	673	672	671	63
15°	614	608	607	607	607	172
25°	511	513	515	509	505	235
35°	350	355	366	350	336	212
45°	14	46	90	47	15	40
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	3
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°	707.1	707.1	707.1	707.1	707.1
1°	707.1	705.9	707.1	707.1	705.9
2°	701.6	700.4	701.0	700.4	699.8
3°	693.7	691.8	692.4	691.2	690.0
4°	684.5	682.6	682.6	682.0	680.8
5°	677.1	674.1	673.4	672.2	671.0
6°	668.5	665.5	664.9	663.0	661.8
7°	660.0	657.5	656.9	654.4	654.4
8°	653.2	650.2	650.2	647.1	647.1
9°	647.7	644.0	644.0	641.6	640.4
10°	642.2	638.5	638.5	635.5	634.2
11°	636.7	633.6	632.4	630.5	629.9
12°	631.8	627.5	626.3	625.6	624.4
13°	625.6	621.4	620.1	619.5	618.9
14°	620.1	614.6	614.0	612.8	613.4
15°	614.0	608.5	607.3	607.3	606.6
17.5°	595.0	591.3	589.5	588.3	587.0
20°	572.3	569.3	568.0	565.6	564.4
22.5°	542.9	542.3	541.7	538.6	533.7
25°	511.1	512.9	514.7	508.6	504.9
27.5°	480.4	485.3	487.2	481.0	473.1
30°	448.6	452.8	456.5	447.9	439.4
32.5°	402.6	413.0	418.5	408.7	389.1
35°	349.9	355.4	366.4	349.9	336.4
37.5°	288.6	291.7	300.3	289.2	280.0
40°	208.3	217.5	224.3	217.5	208.3
42.5°	93.8	131.1	148.3	138.5	98.0
45°	13.5	46.0	89.5	46.6	14.7
47.5°	5.5	7.4	46.6	6.7	5.5
50°	5.5	5.5	16.5	5.5	5.5
52.5°	5.5	5.5	6.1	5.5	5.5
55°	5.5	5.5	5.5	5.5	5.5
57.5°	4.9	4.9	5.5	4.9	4.9
60°	4.9	4.9	4.9	4.9	4.9
62.5°	4.3	4.9	4.9	4.9	4.3
65°	3.7	4.3	4.3	4.3	3.7
67.5°	3.7	3.7	3.7	3.7	3.7
70°	3.1	3.7	3.7	3.7	3.1
72.5°	3.1	3.1	3.1	3.1	3.1
75°	2.5	2.5	2.5	2.5	2.5
77.5°	1.8	2.5	2.5	2.5	1.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.6	1.2	1.2	1.2	0.6
87.5°	0.6	0.6	0.6	0.6	0.6



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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)