

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: P1320045

Luminaire Tested: LDSQA3D09R709840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320045
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: LDSQA3D09R709840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

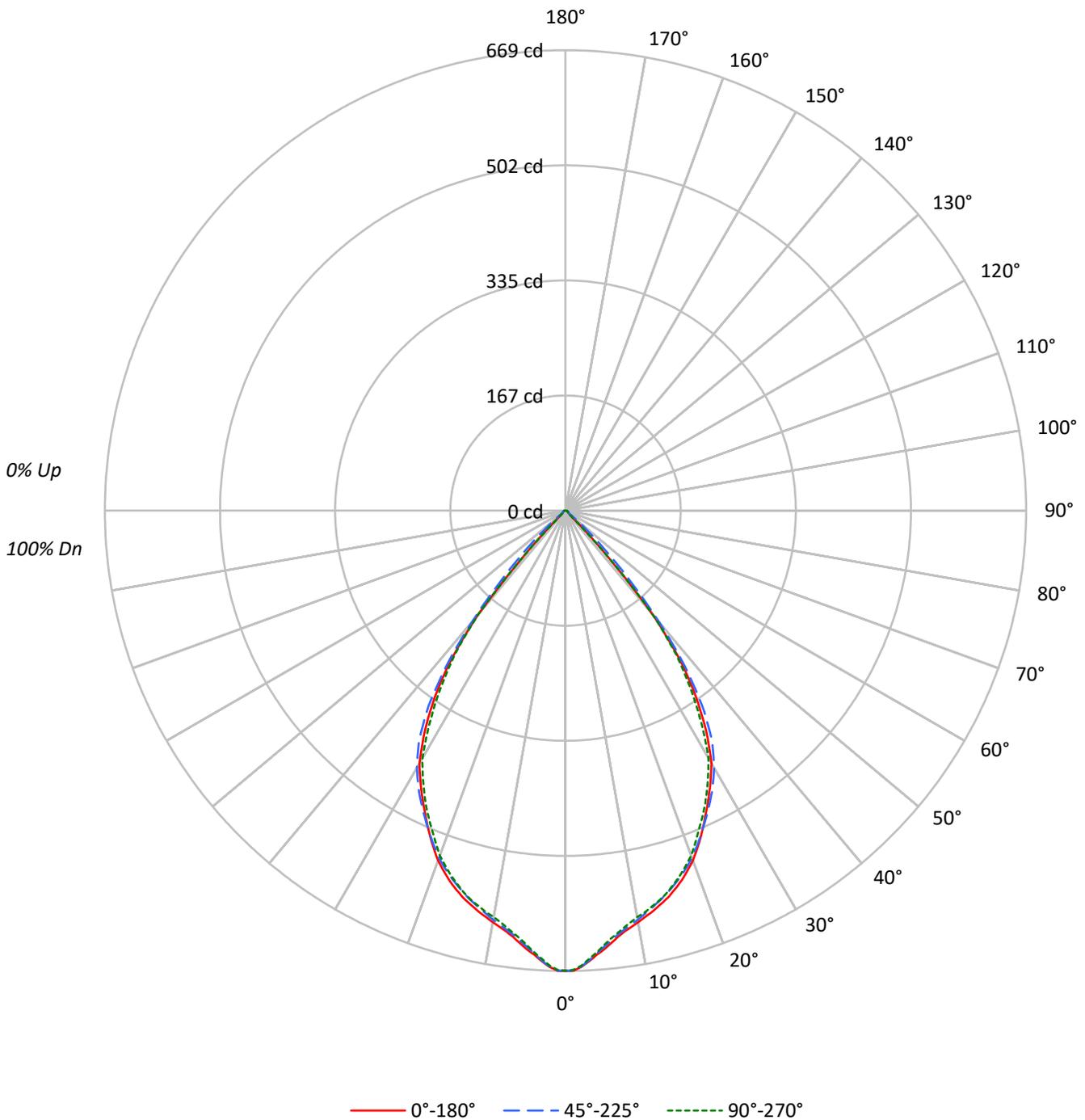
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 713.0 lumens
Efficiency: N/A
Efficacy: 64.8 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
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	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	76	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°	115165	115165	115165
5°	110695	110090	109693
10°	106204	105592	104875
15°	103520	102379	102290
20°	99189	98456	97814
25°	91840	92486	90738
30°	84359	85850	82629
35°	69570	72850	66879
40°	44290	47684	44290
45°	3093	20605	3385
50°	1393	4180	1393
55°	1561	1561	1561
60°	1584	1584	1584
65°	1426	1671	1426
70°	1460	1762	1460
75°	1530	1530	1530
80°	1686	1686	1686
85°	1186	2371	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 20605 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	8.4
10°-20°	161.6	22.7
20°-30°	222.0	31.1
30°-40°	203.4	28.5
40°-50°	54.0	7.6
50°-60°	4.8	0.7
60°-70°	3.9	0.6
70°-80°	2.6	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°	443.3	62.2
0°-40°	646.7	90.7
0°-60°	705.4	98.9
0°-90°	713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	669	669	669	669	669	
5°	640	637	637	636	634	60
15°	581	575	574	574	574	163
25°	483	485	487	481	478	222
35°	331	336	346	331	318	201
45°	13	44	85	44	14	38
55°	5	5	5	5	5	4
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
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°	668.7	668.7	668.7	668.7	668.7
1°	668.7	667.5	668.7	668.7	667.5
2°	663.5	662.3	662.9	662.3	661.7
3°	655.9	654.2	654.8	653.6	652.5
4°	647.3	645.5	645.5	644.9	643.8
5°	640.3	637.4	636.8	635.7	634.5
6°	632.2	629.3	628.7	627.0	625.8
7°	624.1	621.8	621.2	618.9	618.9
8°	617.7	614.8	614.8	611.9	611.9
9°	612.5	609.0	609.0	606.7	605.5
10°	607.3	603.8	603.8	600.9	599.7
11°	602.1	599.2	598.0	596.3	595.7
12°	597.4	593.4	592.2	591.6	590.5
13°	591.6	587.6	586.4	585.8	585.3
14°	586.4	581.2	580.6	579.5	580.0
15°	580.6	575.4	574.2	574.2	573.7
17.5°	562.7	559.2	557.4	556.3	555.1
20°	541.2	538.3	537.2	534.8	533.7
22.5°	513.4	512.8	512.2	509.3	504.7
25°	483.3	485.0	486.7	480.9	477.5
27.5°	454.3	458.9	460.7	454.9	447.3
30°	424.2	428.2	431.7	423.6	415.5
32.5°	380.7	390.6	395.8	386.5	368.0
35°	330.9	336.1	346.5	330.9	318.1
37.5°	272.9	275.8	283.9	273.5	264.8
40°	197.0	205.7	212.1	205.7	197.0
42.5°	88.7	124.0	140.2	131.0	92.7
45°	12.7	43.5	84.6	44.0	13.9
47.5°	5.2	7.0	44.0	6.4	5.2
50°	5.2	5.2	15.6	5.2	5.2
52.5°	5.2	5.2	5.8	5.2	5.2
55°	5.2	5.2	5.2	5.2	5.2
57.5°	4.6	4.6	5.2	4.6	4.6
60°	4.6	4.6	4.6	4.6	4.6
62.5°	4.1	4.6	4.6	4.6	4.1
65°	3.5	4.1	4.1	4.1	3.5
67.5°	3.5	3.5	3.5	3.5	3.5
70°	2.9	3.5	3.5	3.5	2.9
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.3	2.3	2.3	2.3	2.3
77.5°	1.7	2.3	2.3	2.3	1.7
80°	1.7	1.7	1.7	1.7	1.7
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)