

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: P1306914

Luminaire Tested: LDSQA3D05R709024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306914
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: LDSQA3D05R709024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

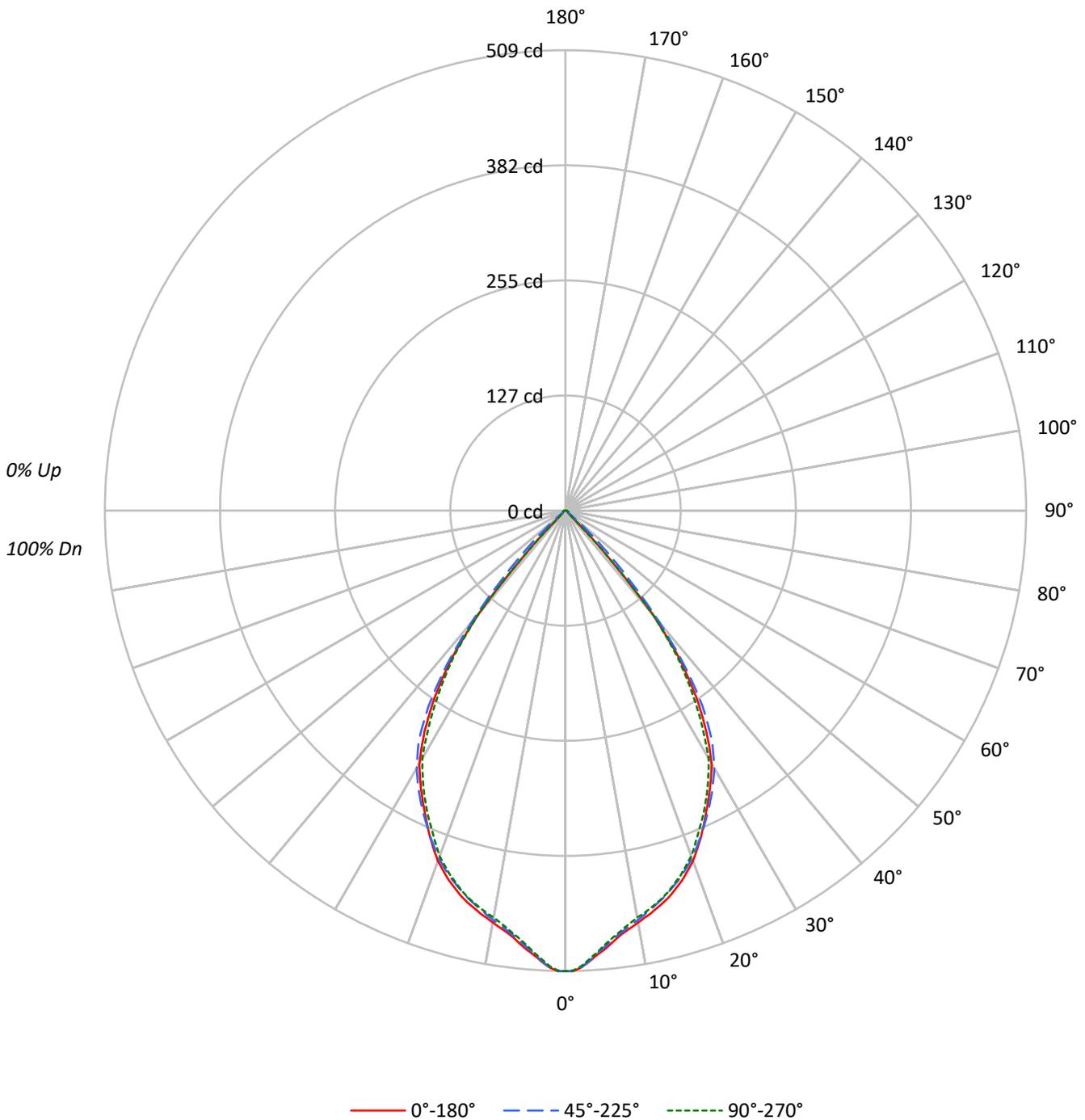
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 543.0 lumens
Efficiency: N/A
Efficacy: 75.4 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): 7.2
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°	87713	87713	87713
5°	84297	83847	83536
10°	80882	80410	79867
15°	78843	77970	77898
20°	75546	74978	74483
25°	69930	70443	69094
30°	64234	65387	62921
35°	52982	55484	50942
40°	33723	36309	33723
45°	2363	15685	2582
50°	1072	3188	1072
55°	1201	1201	1201
60°	1206	1206	1206
65°	1060	1263	1060
70°	1108	1309	1108
75°	1198	1198	1198
80°	1289	1289	1289
85°	790	1778	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 15685 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	8.4
10°-20°	123.0	22.7
20°-30°	169.1	31.1
30°-40°	154.9	28.5
40°-50°	41.1	7.6
50°-60°	3.7	0.7
60°-70°	3.0	0.5
70°-80°	2.0	0.4
80°-90°	0.7	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°	337.6	62.2
0°-40°	492.5	90.7
0°-60°	537.3	98.9
0°-90°	543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	543.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	509	509	509	509	509	
5°	488	485	485	484	483	46
15°	442	438	437	437	437	124
25°	368	369	371	366	364	169
35°	252	256	264	252	242	153
45°	10	33	64	34	11	29
55°	4	4	4	4	4	3
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	1	1	1	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	509.3	509.3	509.3	509.3	509.3
1°	509.3	508.4	509.3	509.3	508.4
2°	505.3	504.4	504.8	504.4	504.0
3°	499.5	498.2	498.7	497.8	496.9
4°	492.9	491.6	491.6	491.2	490.3
5°	487.6	485.4	485.0	484.1	483.2
6°	481.5	479.2	478.8	477.5	476.6
7°	475.3	473.5	473.1	471.3	471.3
8°	470.4	468.2	468.2	466.0	466.0
9°	466.5	463.8	463.8	462.0	461.2
10°	462.5	459.8	459.8	457.6	456.7
11°	458.5	456.3	455.4	454.1	453.7
12°	455.0	451.9	451.0	450.6	449.7
13°	450.6	447.5	446.6	446.2	445.7
14°	446.6	442.6	442.2	441.3	441.7
15°	442.2	438.2	437.3	437.3	436.9
17.5°	428.5	425.9	424.5	423.6	422.8
20°	412.2	410.0	409.1	407.3	406.4
22.5°	391.0	390.5	390.1	387.9	384.4
25°	368.0	369.4	370.7	366.3	363.6
27.5°	346.0	349.5	350.8	346.4	340.7
30°	323.0	326.1	328.8	322.6	316.4
32.5°	289.9	297.4	301.4	294.3	280.2
35°	252.0	256.0	263.9	252.0	242.3
37.5°	207.9	210.1	216.2	208.3	201.7
40°	150.0	156.7	161.5	156.7	150.0
42.5°	67.5	94.4	106.8	99.7	70.6
45°	9.7	33.1	64.4	33.5	10.6
47.5°	4.0	5.3	33.5	4.9	4.0
50°	4.0	4.0	11.9	4.0	4.0
52.5°	4.0	4.0	4.4	4.0	4.0
55°	4.0	4.0	4.0	4.0	4.0
57.5°	3.5	3.5	4.0	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5
62.5°	3.1	3.5	3.5	3.5	3.1
65°	2.6	3.1	3.1	3.1	2.6
67.5°	2.6	2.6	2.6	2.6	2.6
70°	2.2	2.6	2.6	2.6	2.2
72.5°	2.2	2.2	2.2	2.2	2.2
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.3	1.8	1.8	1.8	1.3
80°	1.3	1.3	1.3	1.3	1.3
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.9	0.9	0.9	0.4
87.5°	0.4	0.4	0.4	0.4	0.4



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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)