

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: P1319899

Luminaire Tested: LDSQA3D05R709840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319899  
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: LDSQA3D05R709840DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

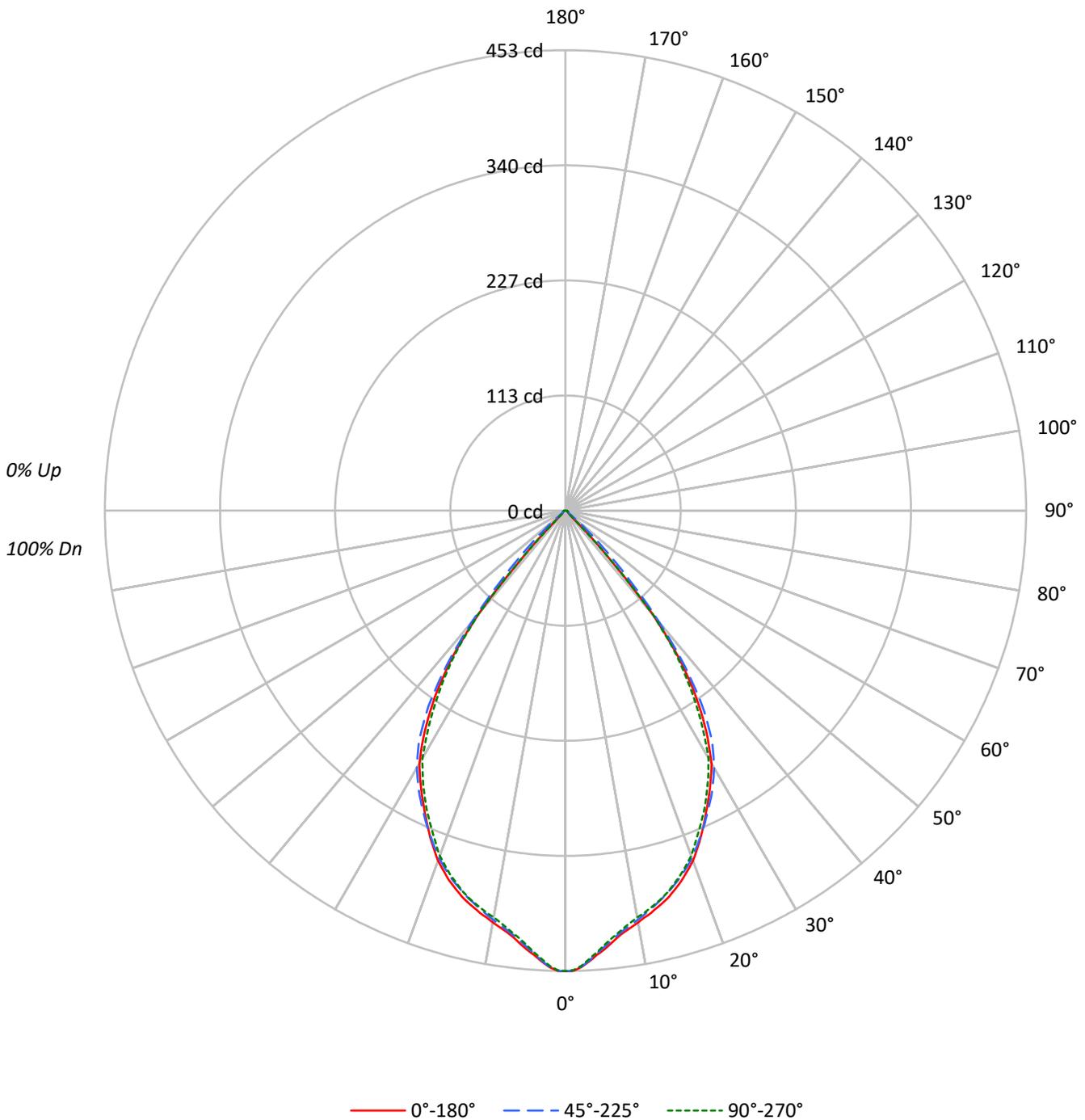
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 483.0 lumens  
Efficiency: N/A  
Efficacy: 67.1 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<sub>in</sub>): 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	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°	78017	78017	78017
5°	74996	74581	74304
10°	71945	71526	71054
15°	70125	69358	69287
20°	67189	66694	66254
25°	62215	62652	61455
30°	57134	58148	55961
35°	47116	49345	45308
40°	30014	32307	30014
45°	2095	13956	2289
50°	938	2840	938
55°	1051	1051	1051
60°	1068	1068	1068
65°	978	1100	978
70°	1007	1209	1007
75°	1065	1065	1065
80°	1190	1190	1190
85°	790	1581	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 13956 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.4	8.4
10°-20°	109.4	22.7
20°-30°	150.4	31.1
30°-40°	137.8	28.5
40°-50°	36.6	7.6
50°-60°	3.2	0.7
60°-70°	2.7	0.5
70°-80°	1.8	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°	300.3	62.2
0°-40°	438.1	90.7
0°-60°	477.8	98.9
0°-90°	483.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	483.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	453	453	453	453	453	
5°	434	432	431	431	430	41
15°	393	390	389	389	389	110
25°	327	329	330	326	323	150
35°	224	228	235	224	216	136
45°	9	29	57	30	9	26
55°	4	4	4	4	4	3
65°	2	3	3	3	2	2
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°	453.0	453.0	453.0	453.0	453.0
1°	453.0	452.2	453.0	453.0	452.2
2°	449.5	448.7	449.1	448.7	448.3
3°	444.3	443.2	443.6	442.8	442.0
4°	438.5	437.3	437.3	436.9	436.1
5°	433.8	431.8	431.4	430.6	429.8
6°	428.3	426.3	425.9	424.7	423.9
7°	422.8	421.2	420.8	419.2	419.2
8°	418.4	416.5	416.5	414.5	414.5
9°	414.9	412.6	412.6	411.0	410.2
10°	411.4	409.0	409.0	407.1	406.3
11°	407.8	405.9	405.1	403.9	403.5
12°	404.7	402.0	401.2	400.8	400.0
13°	400.8	398.0	397.2	396.9	396.5
14°	397.2	393.7	393.3	392.5	392.9
15°	393.3	389.8	389.0	389.0	388.6
17.5°	381.2	378.8	377.6	376.8	376.0
20°	366.6	364.7	363.9	362.3	361.5
22.5°	347.8	347.4	347.0	345.0	341.9
25°	327.4	328.6	329.7	325.8	323.4
27.5°	307.7	310.9	312.1	308.1	303.0
30°	287.3	290.1	292.4	286.9	281.4
32.5°	257.9	264.6	268.1	261.8	249.3
35°	224.1	227.7	234.7	224.1	215.5
37.5°	184.9	186.8	192.3	185.3	179.4
40°	133.5	139.3	143.7	139.3	133.5
42.5°	60.1	84.0	95.0	88.7	62.8
45°	8.6	29.4	57.3	29.8	9.4
47.5°	3.5	4.7	29.8	4.3	3.5
50°	3.5	3.5	10.6	3.5	3.5
52.5°	3.5	3.5	3.9	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.1	3.1	3.5	3.1	3.1
60°	3.1	3.1	3.1	3.1	3.1
62.5°	2.7	3.1	3.1	3.1	2.7
65°	2.4	2.7	2.7	2.7	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	2.0	2.4	2.4	2.4	2.0
72.5°	2.0	2.0	2.0	2.0	2.0
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.2	1.6	1.6	1.6	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.8	0.8	0.8	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)