

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: P1319898

Luminaire Tested: LDSQA3D05R709840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

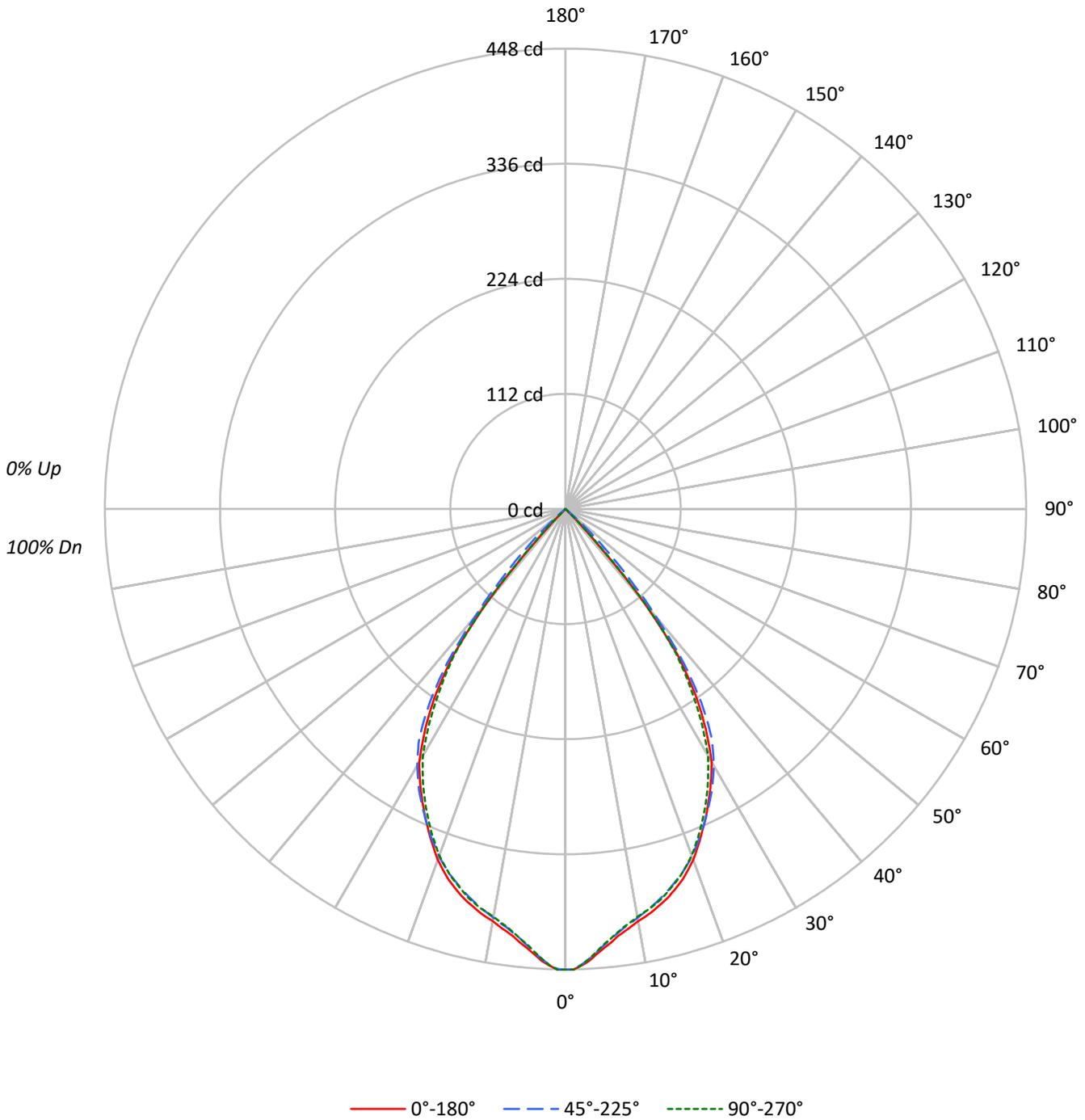
Test Method: LM-79-2019  
Report Number: P1319898  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R709840DE010 3LSQCDR1MMS  
Description: 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: 464.0 lumens  
Efficiency: N/A  
Efficacy: 64.4 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): 7.2  
Input Voltage (V): NR  
Input Current (Ain): 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

TEST NUMBER: P1319898  
CATALOG NUMBER: LDSQA3D05R709840DE010 3LSQCDR1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1319898

CATALOG NUMBER: LDSQA3D05R709840DE010 3LSQCDR1MMS

**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	100			100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86			86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80			80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74			74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68			68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63			63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59			59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55			55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51			51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48			48

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	77242	77242	77242
5°	74148	73734	73526
10°	71228	70616	70476
15°	69536	68556	68698
20°	66584	65943	65796
25°	61816	61968	60999
30°	56577	57353	55165
35°	46275	48504	44467
40°	26641	31048	27338
45°	390	12909	1340
50°	0	1366	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: 12909 cd/sqm



TEST NUMBER: P1319898

CATALOG NUMBER: LDSQA3D05R709840DE010 3LSQCDR1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.0	8.6
10°-20°	108.4	23.4
20°-30°	149.0	32.1
30°-40°	135.1	29.1
40°-50°	31.4	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°	297.4	64.1
0°-40°	432.5	93.2
0°-60°	464.0	100.0
0°-90°	464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	464.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	448	448	448	448	448	
5°	429	428	426	426	425	40
15°	390	387	384	384	385	109
25°	325	327	326	323	321	149
35°	220	223	231	221	212	132
45°	2	18	53	23	6	19
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



TEST NUMBER: P1319898

CATALOG NUMBER: LDSQA3D05R709840DE010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	448.5	448.5	448.5	448.5	448.5
1°	448.1	447.3	447.7	448.1	448.5
2°	444.6	443.8	443.8	444.2	444.2
3°	440.3	438.7	438.7	438.3	438.3
4°	434.4	433.2	432.4	432.0	432.0
5°	428.9	427.7	426.5	425.7	425.3
6°	424.2	422.2	420.6	420.2	420.6
7°	418.7	417.5	415.9	414.8	415.1
8°	414.8	413.2	411.2	410.4	410.4
9°	411.2	409.6	407.7	406.1	406.9
10°	407.3	405.7	403.8	402.6	403.0
11°	404.5	402.6	400.2	399.4	399.8
12°	401.4	399.1	396.7	396.3	397.1
13°	397.5	395.1	392.8	392.8	393.6
14°	394.0	391.2	388.9	388.9	390.0
15°	390.0	387.3	384.5	384.5	385.3
17.5°	378.3	375.9	373.2	373.2	373.6
20°	363.3	362.2	359.8	358.6	359.0
22.5°	344.5	344.5	343.3	341.4	340.6
25°	325.3	326.9	326.1	322.9	321.0
27.5°	305.3	308.0	308.4	303.7	300.2
30°	284.5	286.8	288.4	282.9	277.4
32.5°	253.9	260.9	264.9	257.4	246.0
35°	220.1	223.3	230.7	220.9	211.5
37.5°	178.9	182.9	189.1	181.3	175.8
40°	118.5	134.2	138.1	134.2	121.6
42.5°	42.8	75.3	90.6	76.9	50.2
45°	1.6	17.7	53.0	22.8	5.5
47.5°	0.0	0.4	23.9	0.8	0.0
50°	0.0	0.0	5.1	0.0	0.0
52.5°	0.0	0.0	0.4	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



TEST NUMBER: P1319898  
CATALOG NUMBER: LDSQA3D05R709840DE010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)