

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: P1307886

Luminaire Tested: LDSQA3D05R709027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307886  
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: LDSQA3D05R709027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

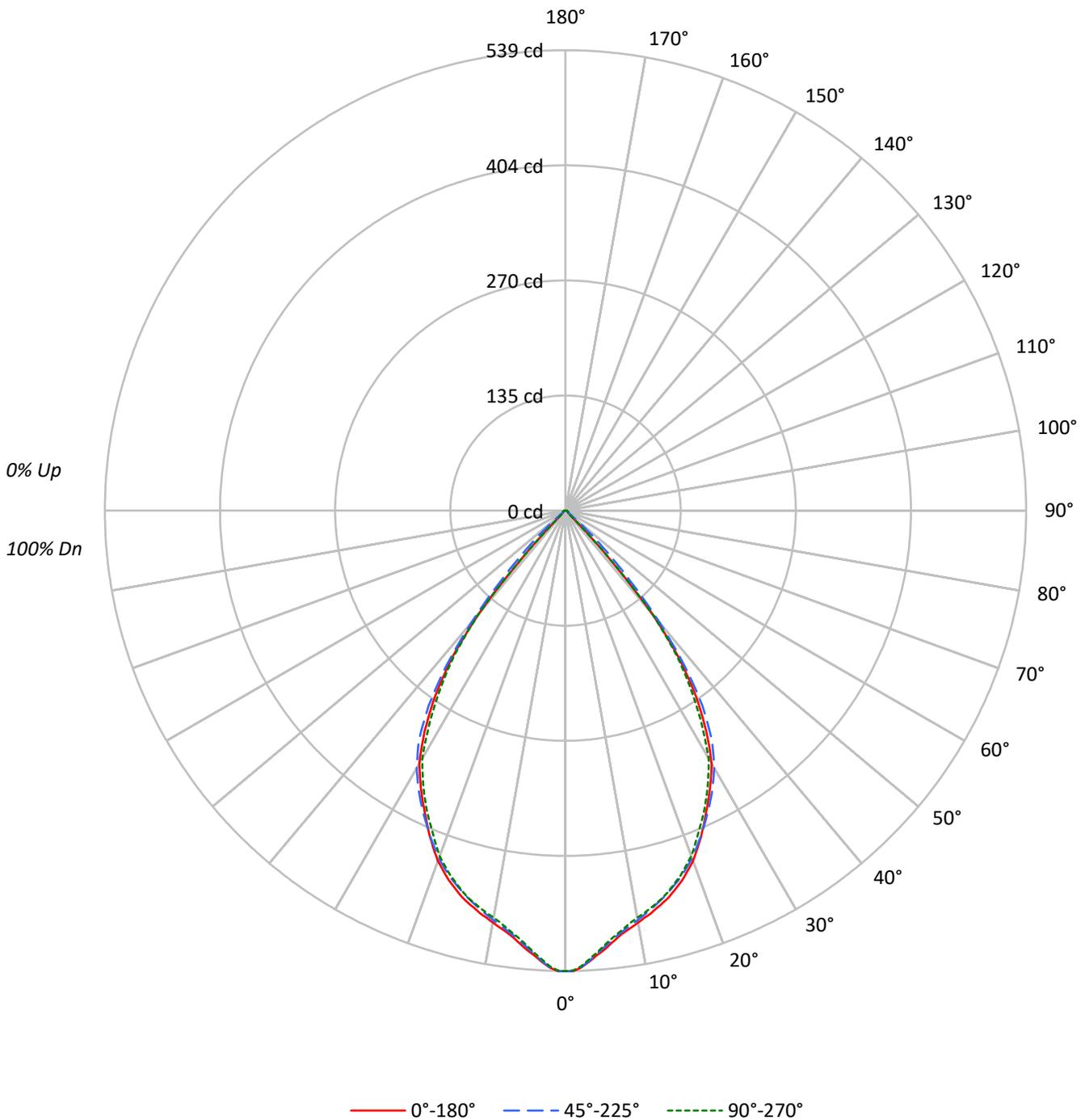
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 575.0 lumens  
Efficiency: N/A  
Efficacy: 79.9 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): 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				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°	92880	92880	92880
5°	89275	88791	88463
10°	85638	85149	84589
15°	83479	82570	82481
20°	80000	79395	78882
25°	74053	74585	73179
30°	68032	69225	66640
35°	56093	58742	53928
40°	35724	38444	35724
45°	2509	16611	2728
50°	1125	3376	1125
55°	1261	1261	1261
60°	1274	1274	1274
65°	1141	1345	1141
70°	1158	1410	1158
75°	1264	1264	1264
80°	1389	1389	1389
85°	988	1778	988

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 16611 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.1	8.4
10°-20°	130.3	22.7
20°-30°	179.1	31.1
30°-40°	164.0	28.5
40°-50°	43.5	7.6
50°-60°	3.9	0.7
60°-70°	3.2	0.5
70°-80°	2.1	0.4
80°-90°	0.8	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°	357.5	62.2
0°-40°	521.5	90.7
0°-60°	568.9	98.9
0°-90°	575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	575.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	539	539	539	539	539	
5°	516	514	514	513	512	48
15°	468	464	463	463	463	131
25°	390	391	392	388	385	179
35°	267	271	279	267	256	162
45°	10	35	68	36	11	31
55°	4	4	4	4	4	4
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°	539.3	539.3	539.3	539.3	539.3
1°	539.3	538.3	539.3	539.3	538.3
2°	535.1	534.1	534.6	534.1	533.7
3°	529.0	527.6	528.1	527.1	526.2
4°	522.0	520.6	520.6	520.1	519.2
5°	516.4	514.0	513.6	512.6	511.7
6°	509.8	507.5	507.0	505.6	504.7
7°	503.3	501.4	500.9	499.1	499.1
8°	498.1	495.8	495.8	493.5	493.5
9°	493.9	491.1	491.1	489.3	488.3
10°	489.7	486.9	486.9	484.6	483.7
11°	485.5	483.2	482.3	480.9	480.4
12°	481.8	478.5	477.6	477.1	476.2
13°	477.1	473.8	472.9	472.4	472.0
14°	472.9	468.7	468.2	467.3	467.8
15°	468.2	464.0	463.1	463.1	462.6
17.5°	453.8	450.9	449.5	448.6	447.7
20°	436.5	434.1	433.2	431.3	430.4
22.5°	414.0	413.6	413.1	410.8	407.0
25°	389.7	391.1	392.5	387.9	385.1
27.5°	366.4	370.1	371.5	366.8	360.8
30°	342.1	345.3	348.1	341.6	335.1
32.5°	307.0	315.0	319.2	311.7	296.7
35°	266.8	271.0	279.4	266.8	256.5
37.5°	220.1	222.4	229.0	220.6	213.6
40°	158.9	165.9	171.0	165.9	158.9
42.5°	71.5	100.0	113.1	105.6	74.8
45°	10.3	35.0	68.2	35.5	11.2
47.5°	4.2	5.6	35.5	5.1	4.2
50°	4.2	4.2	12.6	4.2	4.2
52.5°	4.2	4.2	4.7	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	3.7	3.7	4.2	3.7	3.7
60°	3.7	3.7	3.7	3.7	3.7
62.5°	3.3	3.7	3.7	3.7	3.3
65°	2.8	3.3	3.3	3.3	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	2.3	2.8	2.8	2.8	2.3
72.5°	2.3	2.3	2.3	2.3	2.3
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.4	1.9	1.9	1.9	1.4
80°	1.4	1.4	1.4	1.4	1.4
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.5	0.9	0.9	0.9	0.5
87.5°	0.5	0.5	0.5	0.5	0.5



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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)