

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: P1318441

Luminaire Tested: LDSQA3D13R709830DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318441  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709830DE010 3LSQCLDWWR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCLDWWR1MMS T  
Light Source: -  
Ballast/Driver: -

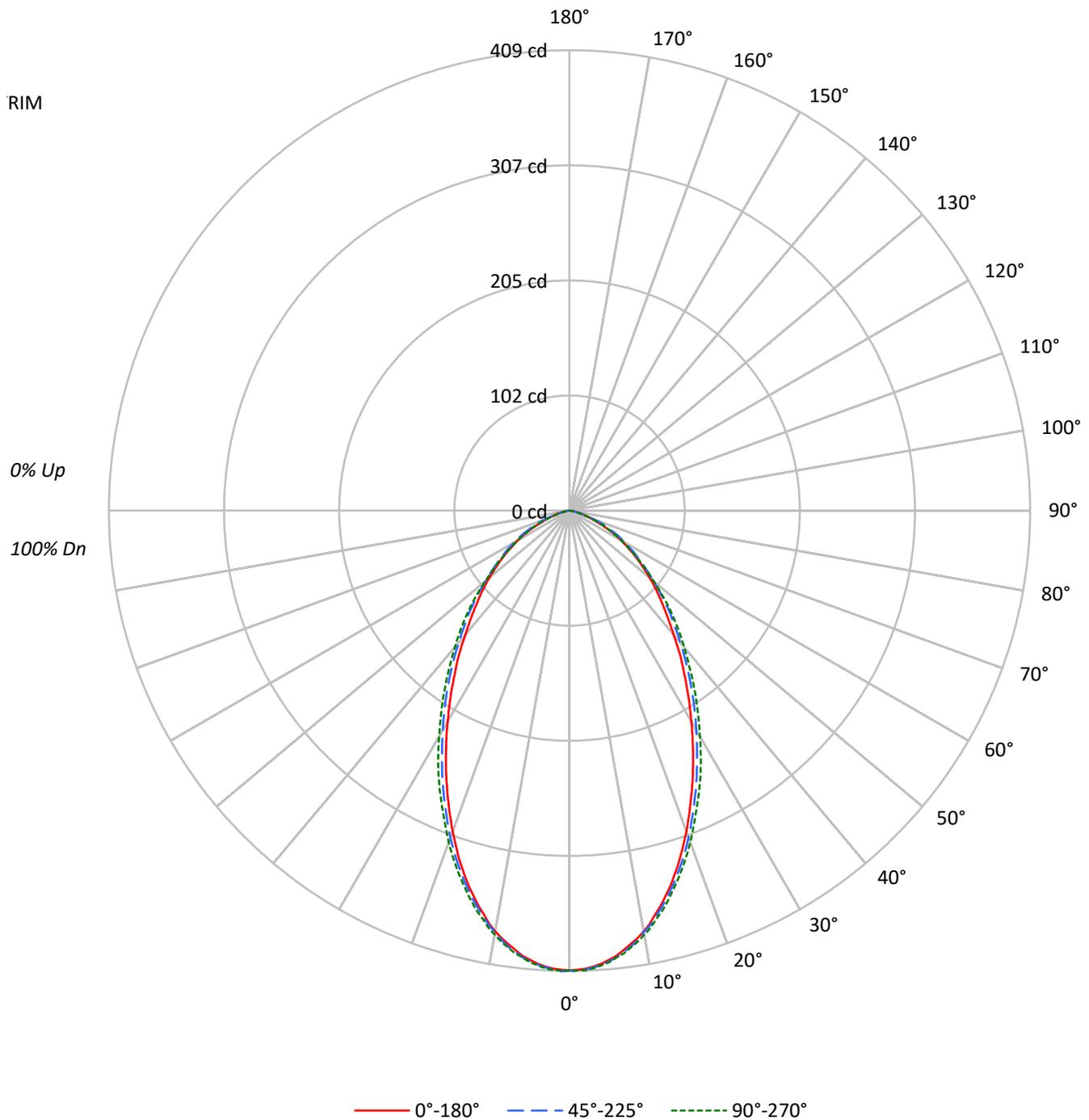
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 585.0 lumens  
Efficiency: N/A  
Efficacy: 40.3 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	91	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	80	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	64	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	52	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	47	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	37	37	35

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

	0°	45°	90°
0°	70370	70370	70370
5°	69273	69515	69636
10°	66384	66507	66891
15°	61602	62119	62636
20°	55606	56669	57475
25°	49236	50623	51858
30°	43015	44745	46037
35°	37382	39379	40598
40°	32307	34420	35567
45°	28277	30226	31103
50°	24891	26070	26070
55°	21589	22670	22009
60°	18256	19496	18497
65°	14181	16260	14793
70°	10222	12085	10222
75°	7719	7253	5789
80°	5058	3570	1488
85°	1383	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 31103 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.7	6.4
10°-20°	97.2	16.6
20°-30°	122.1	20.9
30°-40°	116.6	19.9
40°-50°	94.8	16.2
50°-60°	66.4	11.3
60°-70°	37.5	6.4
70°-80°	11.9	2.0
80°-90°	0.9	0.2
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°	257.0	43.9
0°-40°	373.6	63.9
0°-60°	534.7	91.4
0°-90°	585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	585.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	409	409	409	409	409	
5°	401	401	402	401	403	38
15°	346	346	348	349	351	96
25°	259	262	266	271	273	119
35°	178	181	187	191	193	112
45°	116	119	124	126	128	90
55°	72	73	76	74	73	64
65°	35	37	40	38	36	35
75°	12	12	11	9	9	13
85°	1	1	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	408.6	408.6	408.6	408.6	408.6
1°	407.9	408.6	409.4	407.9	408.6
2°	407.2	407.9	407.9	407.2	408.6
3°	405.7	406.5	406.5	405.7	407.2
4°	403.6	404.3	404.3	403.6	405.0
5°	400.7	401.4	402.1	401.4	402.8
6°	397.7	398.5	399.2	398.5	399.2
7°	393.4	394.8	394.8	394.8	396.3
8°	389.0	390.5	391.2	390.5	391.9
9°	384.7	385.4	386.1	386.1	387.6
10°	379.6	380.3	380.3	381.1	382.5
11°	373.8	373.8	375.2	375.2	377.4
12°	366.5	367.3	368.7	369.4	370.9
13°	360.0	360.7	362.2	362.9	365.1
14°	352.7	354.2	355.7	356.4	358.6
15°	345.5	346.2	348.4	349.1	351.3
17.5°	325.2	325.9	329.5	331.0	333.2
20°	303.4	305.6	309.2	311.4	313.6
22.5°	280.9	283.1	287.4	291.1	292.5
25°	259.1	262.0	266.4	270.7	272.9
27.5°	237.3	240.2	245.3	249.7	252.6
30°	216.3	219.2	225.0	228.6	231.5
32.5°	196.7	199.6	206.1	209.8	211.9
35°	177.8	180.7	187.3	190.9	193.1
37.5°	161.1	164.0	169.8	173.5	174.9
40°	143.7	147.3	153.1	156.8	158.2
42.5°	129.2	132.1	137.9	140.8	143.0
45°	116.1	119.0	124.1	126.3	127.7
47.5°	104.5	106.0	110.3	111.1	112.5
50°	92.9	94.4	97.3	98.0	97.3
52.5°	82.0	83.5	85.6	84.9	84.9
55°	71.9	72.6	75.5	74.0	73.3
57.5°	61.7	63.1	66.0	63.9	63.1
60°	53.0	54.4	56.6	55.2	53.7
62.5°	44.3	45.0	48.6	45.7	44.3
65°	34.8	37.0	39.9	37.7	36.3
67.5°	26.1	29.8	32.7	29.8	28.3
70°	20.3	21.8	24.0	22.5	20.3
72.5°	15.2	16.0	16.7	15.2	13.8
75°	11.6	11.6	10.9	9.4	8.7
77.5°	8.0	8.0	6.5	4.4	4.4
80°	5.1	5.1	3.6	1.5	1.5
82.5°	2.2	2.2	1.5	0.7	0.7
85°	0.7	0.7	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)