

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: P1319731

Luminaire Tested: LDSQA3D02R559840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319731  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R559840DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

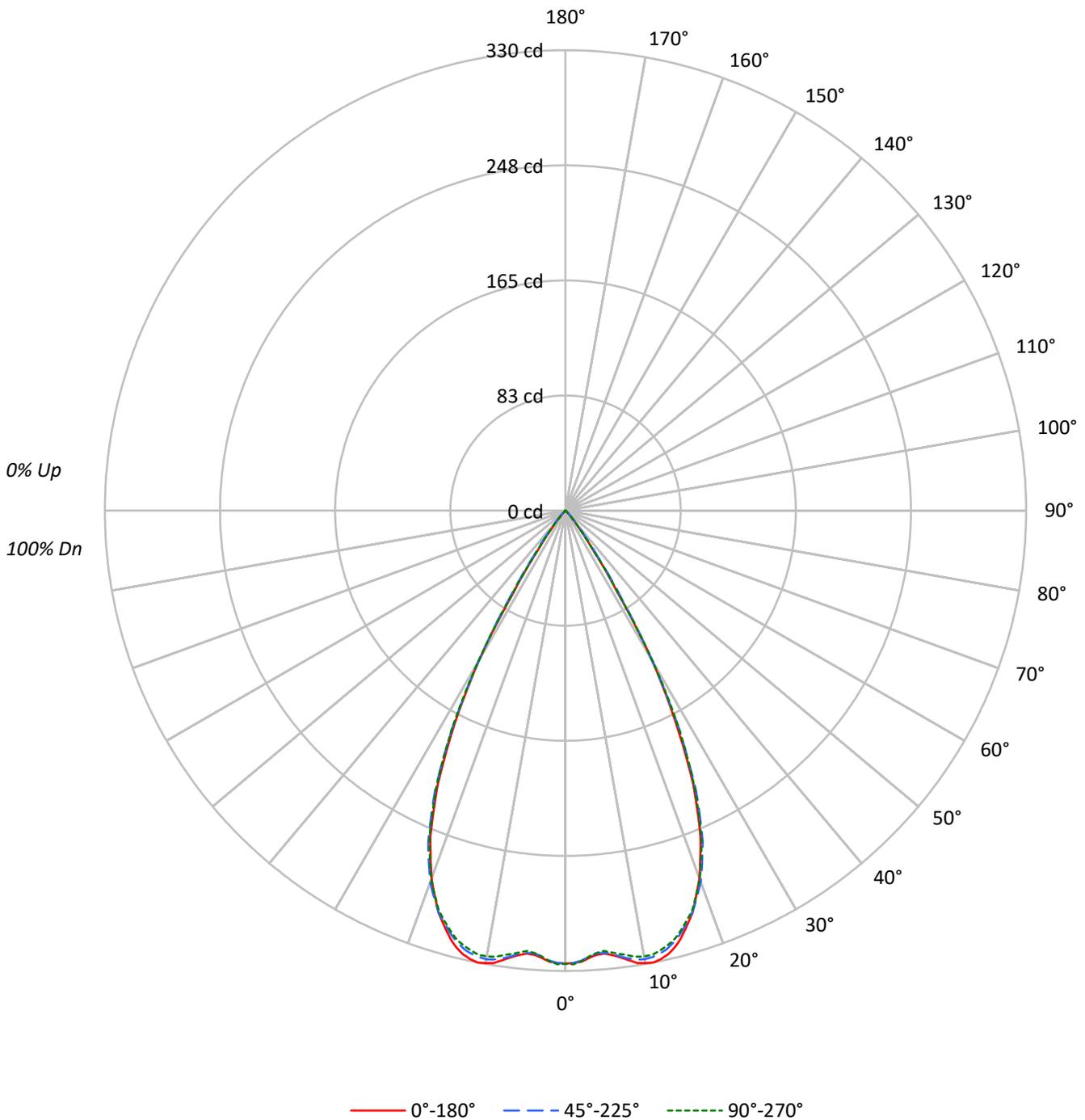
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 249.1 lumens  
Efficiency: N/A  
Efficacy: 69.2 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	69	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	55921	55921	55921
5°	55114	55028	54769
10°	57605	57116	56748
15°	56717	56200	55968
20°	51427	51940	51555
25°	41122	41977	41597
30°	24659	24659	24958
35°	7127	8431	7359
40°	2046	2765	2046
45°	463	1072	463
50°	214	348	161
55°	180	180	180
60°	207	207	207
65°	163	163	163
70°	201	201	201
75°	133	133	133
80°	198	198	198
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1072 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.8	12.4
10°-20°	87.8	35.2
20°-30°	96.7	38.8
30°-40°	29.6	11.9
40°-50°	2.9	1.2
50°-60°	0.6	0.2
60°-70°	0.5	0.2
70°-80°	0.3	0.1
80°-90°	0.1	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°	215.2	86.4
0°-40°	244.8	98.3
0°-60°	248.3	99.7
0°-90°	249.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	249.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	325	325	325	325	325	
5°	319	319	318	317	317	31
15°	318	318	315	314	314	88
25°	216	218	221	223	219	95
35°	34	36	40	37	35	28
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	324.7	324.7	324.7	324.7	324.7
1°	324.3	324.5	324.3	323.9	325.3
2°	323.6	323.4	322.8	322.6	323.2
3°	321.1	321.1	320.3	320.0	320.2
4°	319.2	319.2	318.1	317.7	317.9
5°	318.8	318.8	318.3	317.3	316.8
6°	320.3	320.7	319.4	318.5	318.5
7°	322.6	322.8	321.9	320.5	320.2
8°	325.5	325.6	324.1	322.6	321.9
9°	328.3	327.9	325.8	324.3	323.8
10°	329.4	329.2	326.6	325.1	324.5
11°	330.0	329.1	326.0	324.7	324.5
12°	328.7	327.9	324.7	323.4	322.8
13°	326.4	325.3	322.6	321.3	320.5
14°	322.8	321.7	319.2	317.7	317.9
15°	318.1	317.5	315.2	313.9	313.9
17.5°	302.4	302.7	302.2	301.6	301.2
20°	280.6	282.1	283.4	282.7	281.3
22.5°	252.8	255.4	256.9	257.3	254.8
25°	216.4	218.5	220.9	223.0	218.9
27.5°	171.2	173.0	175.3	176.6	176.1
30°	124.0	124.2	124.0	126.5	125.5
32.5°	68.9	74.6	75.5	77.2	71.2
35°	33.9	35.6	40.1	36.9	35.0
37.5°	16.3	17.4	21.8	17.8	17.0
40°	9.1	9.8	12.3	10.2	9.1
42.5°	4.4	5.7	6.6	5.9	4.4
45°	1.9	2.8	4.4	2.8	1.9
47.5°	0.8	1.1	2.7	1.1	0.8
50°	0.8	0.6	1.3	0.6	0.6
52.5°	0.6	0.6	0.8	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.6	0.6	0.6	0.6	0.6
62.5°	0.4	0.6	0.6	0.6	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.2	0.4	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.0	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)