

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: P1319751

Luminaire Tested: LDSQA3D02R709840DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319751  
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: LDSQA3D02R709840DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

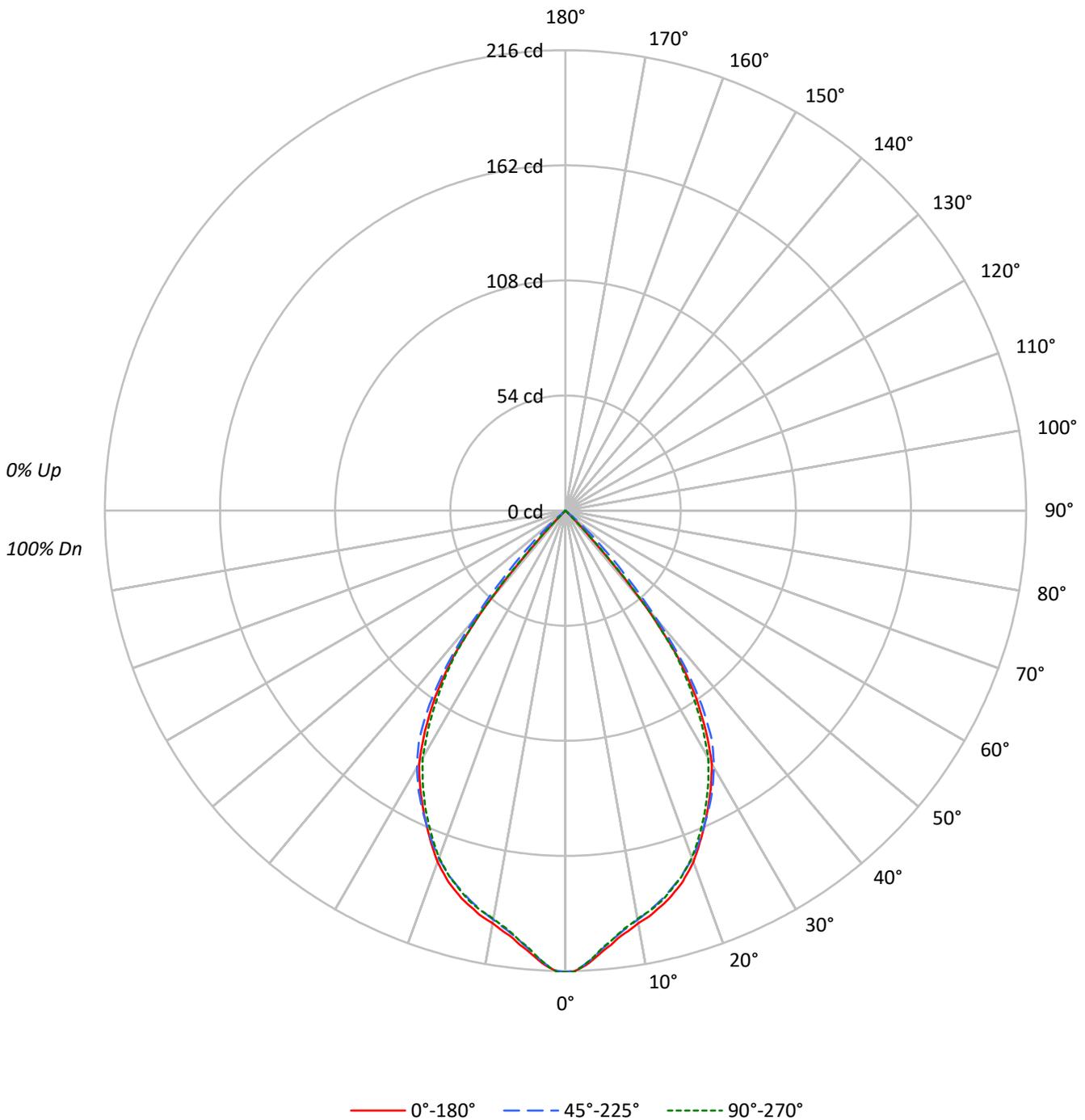
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 224.0 lumens  
Efficiency: N/A  
Efficacy: 62.2 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): 3.6  
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

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

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

	0°	45°	90°
0°	37286	37286	37286
5°	35786	35596	35492
10°	34381	34084	34014
15°	33574	33092	33163
20°	32147	31835	31762
25°	29834	29910	29454
30°	27304	27682	26628
35°	22349	23421	21466
40°	12860	14996	13197
45°	195	6235	658
50°	0	670	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: 6235 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.3	8.6
10°-20°	52.3	23.4
20°-30°	71.9	32.1
30°-40°	65.2	29.1
40°-50°	15.2	6.8
50°-60°	0.1	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°	143.6	64.1
0°-40°	208.8	93.2
0°-60°	224.0	100.0
0°-90°	224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	224.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	216	216	216	216	216	
5°	207	206	206	206	205	19
15°	188	187	186	186	186	53
25°	157	158	157	156	155	72
35°	106	108	111	107	102	64
45°	1	8	26	11	3	9
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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	216.5	216.5	216.5	216.5	216.5
1°	216.3	215.9	216.1	216.3	216.5
2°	214.6	214.2	214.2	214.4	214.4
3°	212.5	211.8	211.8	211.6	211.6
4°	209.7	209.1	208.7	208.6	208.6
5°	207.0	206.5	205.9	205.5	205.3
6°	204.8	203.8	203.1	202.9	203.1
7°	202.1	201.6	200.8	200.2	200.4
8°	200.2	199.5	198.5	198.1	198.1
9°	198.5	197.8	196.8	196.1	196.4
10°	196.6	195.9	194.9	194.4	194.5
11°	195.3	194.4	193.2	192.8	193.0
12°	193.8	192.6	191.5	191.3	191.7
13°	191.9	190.8	189.6	189.6	190.0
14°	190.2	188.9	187.7	187.7	188.3
15°	188.3	187.0	185.6	185.6	186.0
17.5°	182.6	181.5	180.1	180.1	180.3
20°	175.4	174.8	173.7	173.1	173.3
22.5°	166.3	166.3	165.7	164.8	164.4
25°	157.0	157.8	157.4	155.9	155.0
27.5°	147.4	148.7	148.9	146.6	144.9
30°	137.3	138.5	139.2	136.6	133.9
32.5°	122.6	126.0	127.9	124.3	118.8
35°	106.3	107.8	111.4	106.6	102.1
37.5°	86.4	88.3	91.3	87.5	84.9
40°	57.2	64.8	66.7	64.8	58.7
42.5°	20.6	36.4	43.8	37.1	24.2
45°	0.8	8.5	25.6	11.0	2.7
47.5°	0.0	0.2	11.6	0.4	0.0
50°	0.0	0.0	2.5	0.0	0.0
52.5°	0.0	0.0	0.2	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



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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)