

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: P1317161

Luminaire Tested: LDSQA3D05R209827DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317161  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209827DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

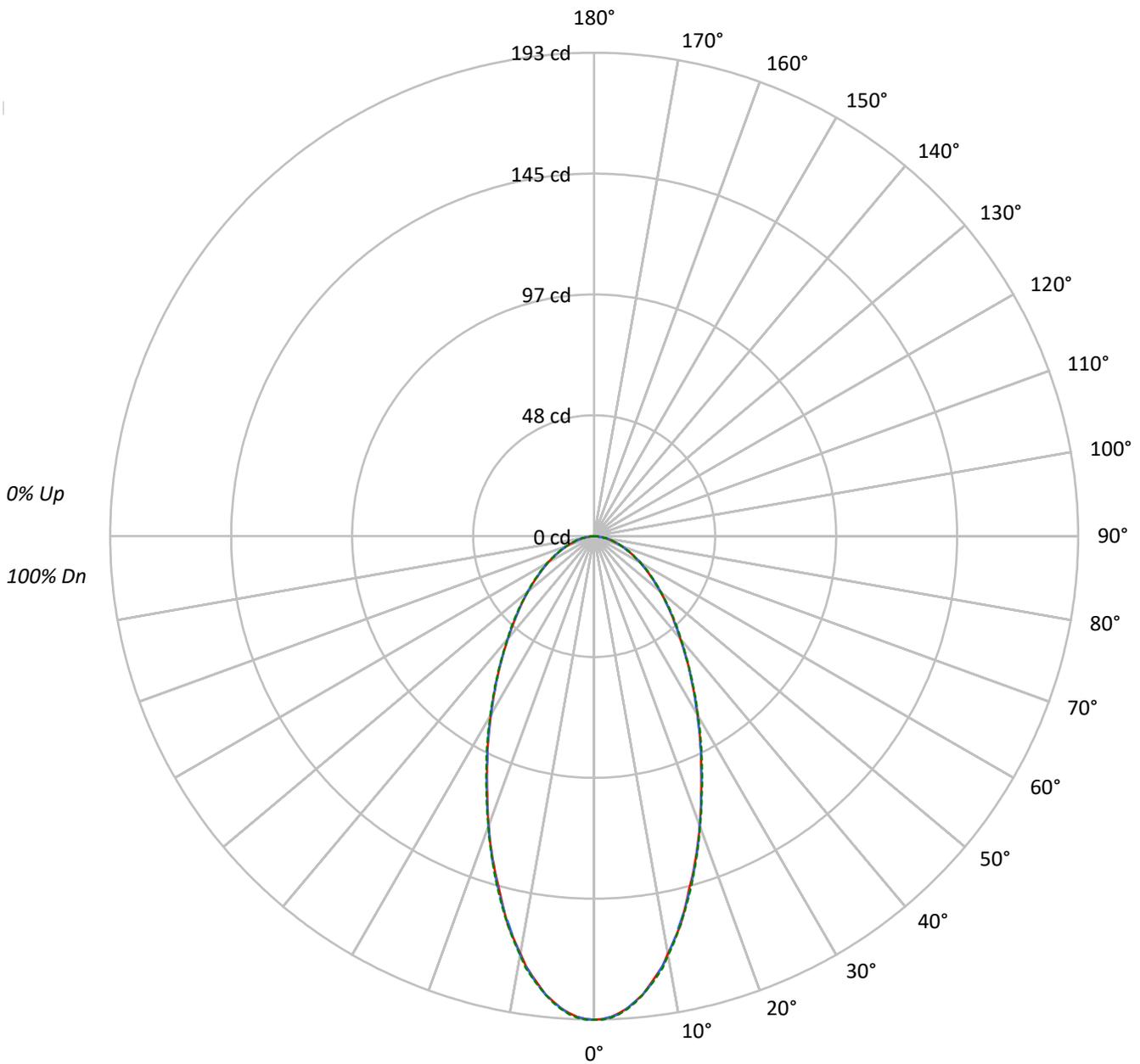
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 231.0 lumens  
Efficiency: N/A  
Efficacy: 32.1 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
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

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    ···· 90°-270°



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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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

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

	0°	45°	90°
0°	33256	33256	33256
5°	32260	32260	32311
10°	29607	29677	29730
15°	26067	26192	26263
20°	22561	22561	22635
25°	19193	19193	19326
30°	16387	16327	16466
35°	14002	14002	14065
40°	12028	12028	12095
45°	10497	10497	10595
50°	9244	9244	9244
55°	8167	8167	8287
60°	7371	7371	7371
65°	6602	6602	6602
70°	5891	5891	5891
75°	5257	5057	5257
80°	4463	4463	4463
85°	2766	2766	3359

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 10595 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.3	7.5
10°-20°	40.9	17.7
20°-30°	46.6	20.2
30°-40°	41.8	18.1
40°-50°	33.5	14.5
50°-60°	24.6	10.6
60°-70°	16.1	7.0
70°-80°	8.3	3.6
80°-90°	1.9	0.8
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°	104.7	45.3
0°-40°	146.5	63.4
0°-60°	204.6	88.6
0°-90°	231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	231.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	193	193	193	193	193	
5°	187	187	187	187	187	17
15°	146	146	147	147	147	41
25°	101	101	101	101	102	46
35°	67	67	67	67	67	42
45°	43	43	43	43	44	33
55°	27	27	27	27	28	25
65°	16	16	16	16	16	16
75°	8	8	8	8	8	8
85°	1	1	1	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	193.1	193.1	193.1	193.1	193.1
1°	192.8	192.4	192.8	192.8	193.1
2°	192.1	192.1	192.1	191.7	192.4
3°	190.7	190.7	191.1	190.7	191.1
4°	189.0	189.0	189.0	188.6	189.3
5°	186.6	186.6	186.6	186.6	186.9
6°	184.2	183.8	184.2	183.8	184.2
7°	180.7	180.7	181.1	180.7	181.1
8°	177.3	176.9	177.6	177.3	178.0
9°	173.8	173.5	173.8	173.5	174.5
10°	169.3	169.7	169.7	169.7	170.0
12.5°	159.0	158.3	158.3	158.3	159.0
15°	146.2	146.2	146.9	146.9	147.3
17.5°	134.8	134.5	135.2	135.2	135.2
20°	123.1	122.8	123.1	123.1	123.5
22.5°	111.4	111.7	111.7	111.7	112.1
25°	101.0	101.0	101.0	101.4	101.7
27.5°	91.4	91.0	91.4	91.7	92.1
30°	82.4	82.1	82.1	82.4	82.8
32.5°	74.1	73.8	74.1	74.1	74.5
35°	66.6	66.6	66.6	66.6	66.9
37.5°	59.7	59.7	59.7	60.0	60.0
40°	53.5	53.5	53.5	53.8	53.8
42.5°	47.9	47.9	47.9	48.3	48.6
45°	43.1	43.1	43.1	43.1	43.5
47.5°	38.6	38.6	38.6	39.0	39.0
50°	34.5	34.1	34.5	34.8	34.5
52.5°	30.7	30.7	30.7	30.7	31.0
55°	27.2	27.2	27.2	27.2	27.6
57.5°	24.1	24.1	24.1	24.5	24.5
60°	21.4	21.4	21.4	21.4	21.4
62.5°	18.6	18.6	18.6	18.6	18.6
65°	16.2	15.9	16.2	16.2	16.2
67.5°	13.8	13.8	13.8	13.8	13.8
70°	11.7	11.7	11.7	11.7	11.7
72.5°	9.7	9.7	9.7	9.7	9.7
75°	7.9	7.6	7.6	7.9	7.9
77.5°	6.2	5.9	6.2	6.2	6.2
80°	4.5	4.5	4.5	4.5	4.5
82.5°	2.8	2.8	2.8	3.1	3.1
85°	1.4	1.4	1.4	1.7	1.7
87.5°	0.3	0.3	0.3	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)