

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: P1316432

Luminaire Tested: LDSQA3D09R309740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309740DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

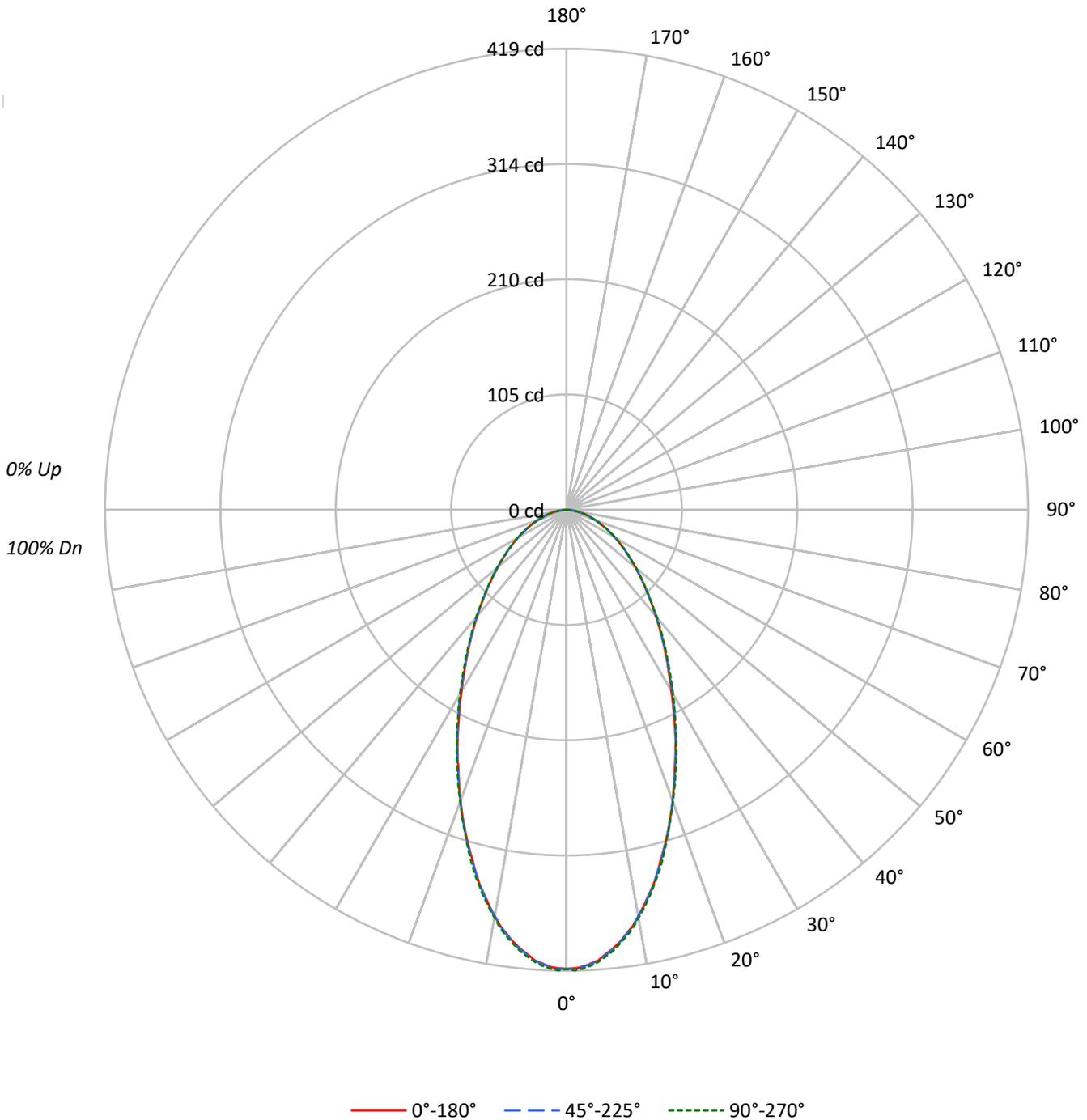
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 536.0 lumens  
Efficiency: N/A  
Efficacy: 48.3 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	71886	71886	71886
5°	70120	70241	70501
10°	65615	65615	65860
15°	58821	58963	59355
20°	51629	51629	51775
25°	44523	44523	44808
30°	37884	38341	38480
35°	32735	32882	33051
40°	28327	28507	28665
45°	24746	24916	24916
50°	21863	21863	22051
55°	19577	19577	19577
60°	17636	17636	17636
65°	15730	15730	15730
70°	14200	14200	14200
75°	12843	12310	12310
80°	11009	10315	10315
85°	7311	7311	7311

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 24916 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.8	7.1
10°-20°	92.2	17.2
20°-30°	107.7	20.1
30°-40°	97.9	18.3
40°-50°	79.1	14.8
50°-60°	58.4	10.9
60°-70°	38.5	7.2
70°-80°	19.9	3.7
80°-90°	4.5	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°	237.6	44.3
0°-40°	335.6	62.6
0°-60°	473.1	88.3
0°-90°	536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	536.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	417	417	417	417	417	
5°	406	406	406	406	408	38
15°	330	331	331	331	333	92
25°	234	234	234	234	236	107
35°	156	155	156	156	157	98
45°	102	102	102	102	102	79
55°	65	64	65	64	65	59
65°	39	39	39	39	39	39
75°	19	18	18	18	18	20
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	417.4	417.4	417.4	417.4	417.4
1°	416.7	416.7	417.4	416.7	418.9
2°	415.9	415.2	415.2	415.2	417.4
3°	413.0	413.0	413.7	413.0	415.2
4°	410.8	410.0	410.8	410.0	412.2
5°	405.6	405.6	406.3	406.3	407.8
6°	401.1	401.1	401.9	401.1	403.3
7°	395.9	395.9	395.9	395.9	397.4
8°	389.3	389.3	390.0	390.0	391.5
9°	383.3	382.6	382.6	382.6	384.8
10°	375.2	375.2	375.2	375.2	376.6
11°	367.0	367.0	367.0	367.0	368.5
12°	358.1	358.1	358.9	358.1	360.3
13°	350.0	350.0	350.0	350.0	351.4
14°	340.3	339.6	340.3	340.3	342.5
15°	329.9	330.7	330.7	330.7	332.9
17.5°	306.2	306.2	307.0	305.5	307.0
20°	281.7	281.0	281.7	281.7	282.5
22.5°	256.5	257.3	257.3	257.3	258.8
25°	234.3	233.6	234.3	234.3	235.8
27.5°	211.3	212.1	212.8	212.1	213.5
30°	190.5	192.0	192.8	191.3	193.5
32.5°	172.0	172.0	172.8	173.5	174.2
35°	155.7	155.0	156.4	156.4	157.2
37.5°	140.1	140.1	140.1	140.9	141.6
40°	126.0	126.0	126.8	126.8	127.5
42.5°	113.4	112.7	113.4	113.4	113.4
45°	101.6	102.3	102.3	102.3	102.3
47.5°	91.2	91.2	91.9	91.2	91.9
50°	81.6	81.6	81.6	81.6	82.3
52.5°	72.7	72.7	72.7	72.7	73.4
55°	65.2	64.5	65.2	64.5	65.2
57.5°	57.8	57.8	57.8	57.8	57.8
60°	51.2	50.4	51.2	50.4	51.2
62.5°	44.5	44.5	44.5	44.5	44.5
65°	38.6	38.6	38.6	38.6	38.6
67.5°	33.4	33.4	33.4	32.6	32.6
70°	28.2	28.2	28.2	28.2	28.2
72.5°	23.7	23.0	23.0	23.0	23.0
75°	19.3	18.5	18.5	18.5	18.5
77.5°	14.8	14.8	14.1	14.1	14.8
80°	11.1	10.4	10.4	10.4	10.4
82.5°	6.7	6.7	6.7	6.7	6.7
85°	3.7	3.7	3.7	3.7	3.7
87.5°	0.7	0.7	0.7	1.5	1.5



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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)