

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: P1316107

Luminaire Tested: LDSQA3D02R309740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316107  
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: LDSQA3D02R309740DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

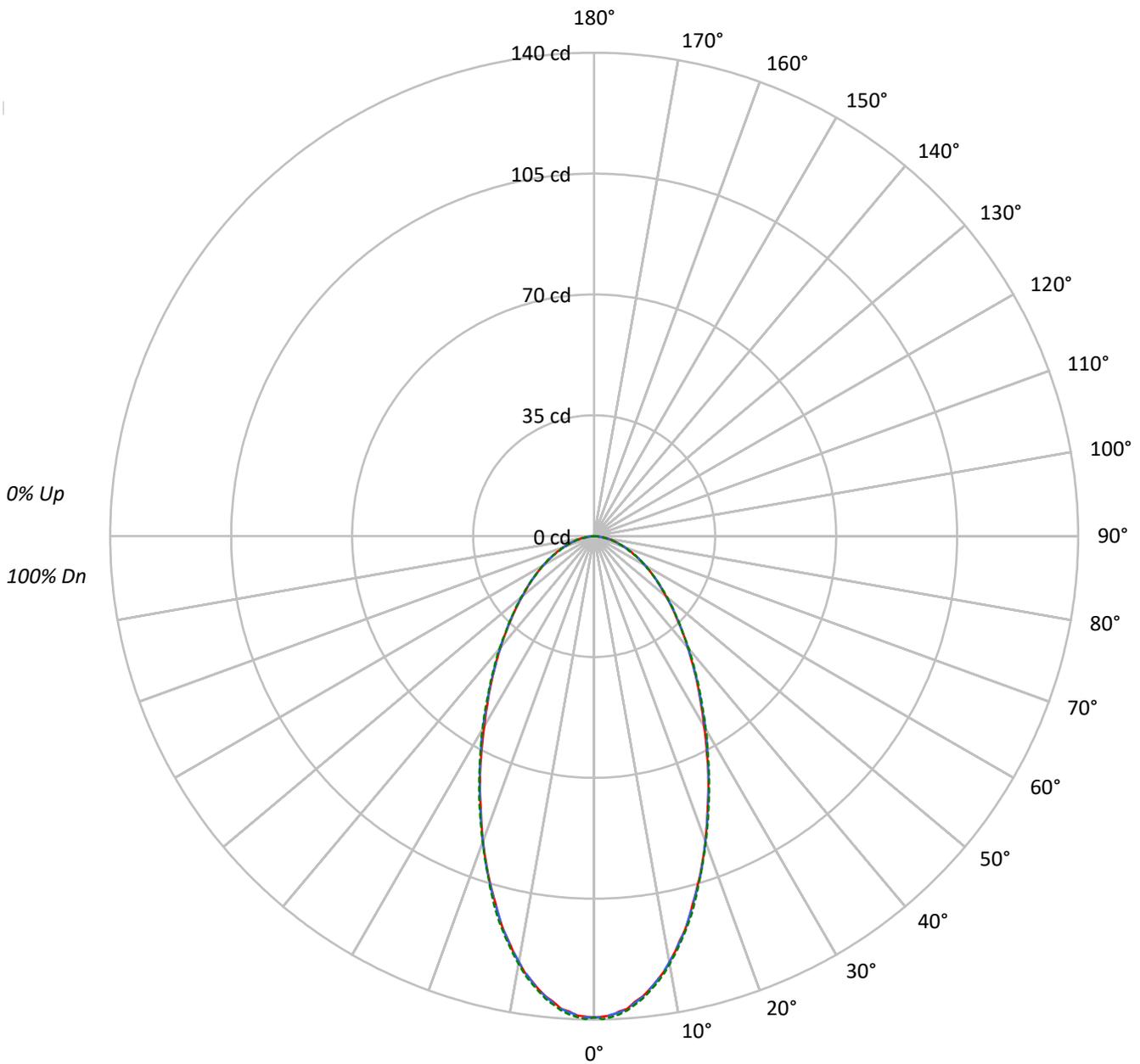
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 179.0 lumens  
Efficiency: N/A  
Efficacy: 49.7 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): 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



— 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	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	74	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°	24008	24008	24008
5°	23408	23460	23546
10°	21912	21912	22000
15°	19648	19684	19827
20°	17246	17246	17283
25°	14860	14860	14955
30°	12648	12807	12847
35°	10933	10975	11038
40°	9465	9510	9577
45°	8257	8330	8330
50°	7288	7288	7368
55°	6546	6546	6546
60°	5890	5890	5890
65°	5257	5257	5257
70°	4733	4733	4733
75°	4259	4126	4126
80°	3670	3471	3471
85°	2371	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 8330 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.6	7.1
10°-20°	30.8	17.2
20°-30°	35.9	20.1
30°-40°	32.7	18.3
40°-50°	26.4	14.8
50°-60°	19.5	10.9
60°-70°	12.9	7.2
70°-80°	6.7	3.7
80°-90°	1.5	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
<b>0°-30°</b>	<b>79.3</b>	<b>44.3</b>
<b>0°-40°</b>	<b>112.0</b>	<b>62.6</b>
<b>0°-60°</b>	<b>158.0</b>	<b>88.3</b>
<b>0°-90°</b>	<b>179.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>179.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	139	139	139	139	139	
5°	135	135	136	136	136	13
15°	110	110	110	110	111	31
25°	78	78	78	78	79	36
35°	52	52	52	52	52	33
45°	34	34	34	34	34	26
55°	22	22	22	22	22	20
65°	13	13	13	13	13	13
75°	6	6	6	6	6	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	139.4	139.4	139.4	139.4	139.4
1°	139.2	139.2	139.4	139.2	139.9
2°	138.9	138.7	138.7	138.7	139.4
3°	137.9	137.9	138.2	137.9	138.7
4°	137.2	136.9	137.2	136.9	137.7
5°	135.4	135.4	135.7	135.7	136.2
6°	134.0	134.0	134.2	134.0	134.7
7°	132.2	132.2	132.2	132.2	132.7
8°	130.0	130.0	130.2	130.2	130.7
9°	128.0	127.8	127.8	127.8	128.5
10°	125.3	125.3	125.3	125.3	125.8
11°	122.6	122.6	122.6	122.6	123.1
12°	119.6	119.6	119.8	119.6	120.3
13°	116.9	116.9	116.9	116.9	117.4
14°	113.7	113.4	113.7	113.7	114.4
15°	110.2	110.4	110.4	110.4	111.2
17.5°	102.3	102.3	102.5	102.0	102.5
20°	94.1	93.8	94.1	94.1	94.3
22.5°	85.7	85.9	85.9	85.9	86.4
25°	78.2	78.0	78.2	78.2	78.7
27.5°	70.6	70.8	71.1	70.8	71.3
30°	63.6	64.1	64.4	63.9	64.6
32.5°	57.4	57.4	57.7	57.9	58.2
35°	52.0	51.7	52.2	52.2	52.5
37.5°	46.8	46.8	46.8	47.0	47.3
40°	42.1	42.1	42.3	42.3	42.6
42.5°	37.9	37.6	37.9	37.9	37.9
45°	33.9	34.2	34.2	34.2	34.2
47.5°	30.5	30.5	30.7	30.5	30.7
50°	27.2	27.2	27.2	27.2	27.5
52.5°	24.3	24.3	24.3	24.3	24.5
55°	21.8	21.5	21.8	21.5	21.8
57.5°	19.3	19.3	19.3	19.3	19.3
60°	17.1	16.8	17.1	16.8	17.1
62.5°	14.9	14.9	14.9	14.9	14.9
65°	12.9	12.9	12.9	12.9	12.9
67.5°	11.1	11.1	11.1	10.9	10.9
70°	9.4	9.4	9.4	9.4	9.4
72.5°	7.9	7.7	7.7	7.7	7.7
75°	6.4	6.2	6.2	6.2	6.2
77.5°	5.0	5.0	4.7	4.7	5.0
80°	3.7	3.5	3.5	3.5	3.5
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.2	0.2	0.2	0.5	0.5



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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)