

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: P1319823

Luminaire Tested: LDSQA3D05R309840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319823  
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: LDSQA3D05R309840DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

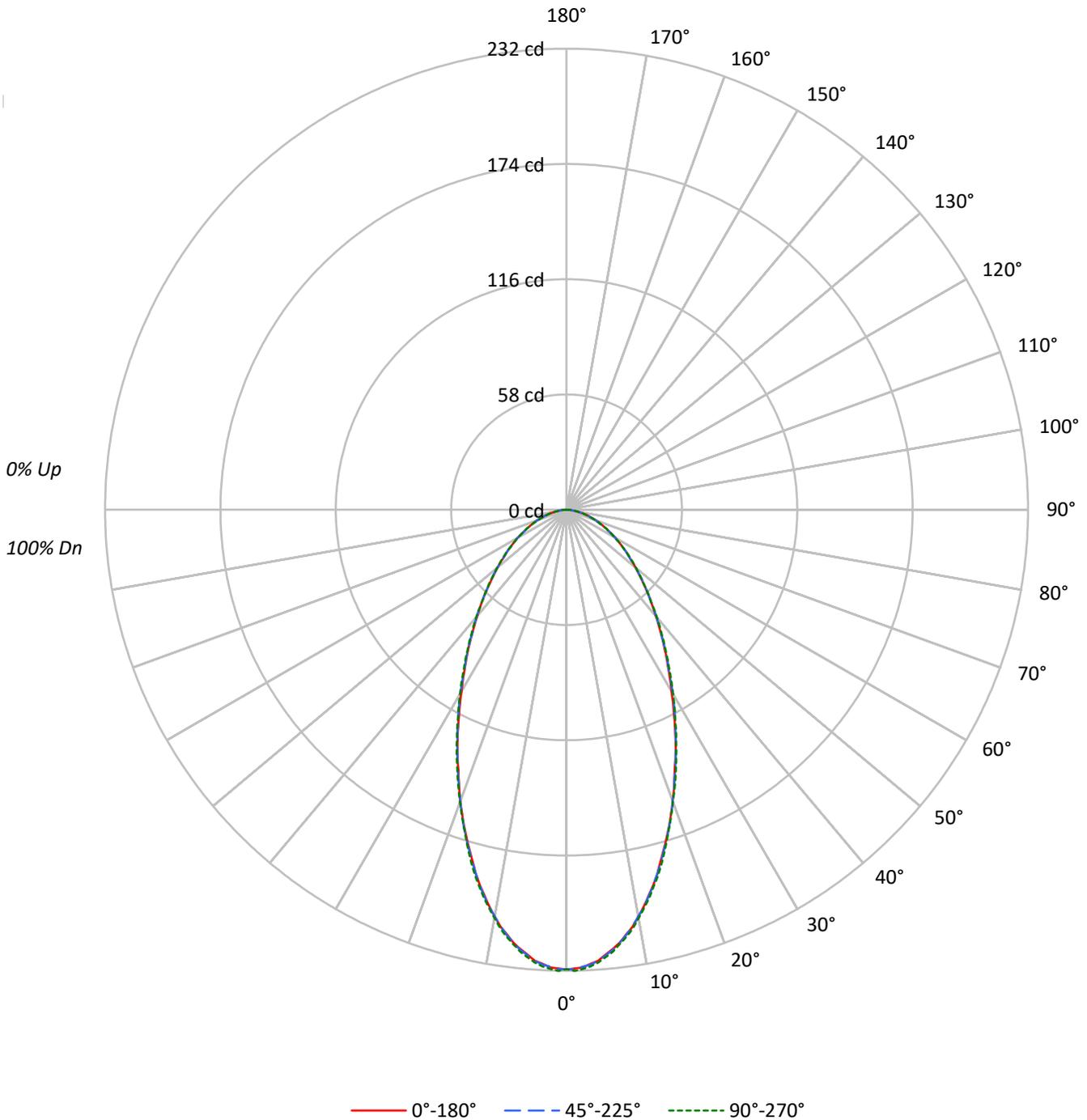
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 297.0 lumens  
Efficiency: N/A  
Efficacy: 41.3 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): 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





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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	77	
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	68	
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	60	
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	54	
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	49	
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	45	
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	38	
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	35	

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

	0°	45°	90°
0°	39835	39835	39835
5°	38846	38915	39071
10°	36357	36357	36497
15°	32593	32664	32896
20°	28609	28609	28683
25°	24665	24665	24817
30°	21000	21239	21318
35°	18144	18228	18312
40°	15692	15805	15895
45°	13712	13810	13810
50°	12110	12110	12218
55°	10869	10869	10869
60°	9748	9748	9748
65°	8721	8721	8721
70°	7855	7855	7855
75°	7120	6854	6854
80°	6149	5752	5752
85°	4150	4150	4150

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 13810 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.9	7.1
10°-20°	51.1	17.2
20°-30°	59.7	20.1
30°-40°	54.3	18.3
40°-50°	43.8	14.8
50°-60°	32.4	10.9
60°-70°	21.3	7.2
70°-80°	11.0	3.7
80°-90°	2.5	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°	131.7	44.3
0°-40°	185.9	62.6
0°-60°	262.1	88.3
0°-90°	297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	297.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	231	231	231	231	231	
5°	225	225	225	225	226	21
15°	183	183	183	183	184	51
25°	130	129	130	130	131	59
35°	86	86	87	87	87	54
45°	56	57	57	57	57	44
55°	36	36	36	36	36	32
65°	21	21	21	21	21	21
75°	11	10	10	10	10	11
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	231.3	231.3	231.3	231.3	231.3
1°	230.9	230.9	231.3	230.9	232.1
2°	230.5	230.1	230.1	230.1	231.3
3°	228.8	228.8	229.2	228.8	230.1
4°	227.6	227.2	227.6	227.2	228.4
5°	224.7	224.7	225.1	225.1	226.0
6°	222.3	222.3	222.7	222.3	223.5
7°	219.4	219.4	219.4	219.4	220.2
8°	215.7	215.7	216.1	216.1	216.9
9°	212.4	212.0	212.0	212.0	213.2
10°	207.9	207.9	207.9	207.9	208.7
11°	203.4	203.4	203.4	203.4	204.2
12°	198.4	198.4	198.8	198.4	199.7
13°	193.9	193.9	193.9	193.9	194.7
14°	188.6	188.2	188.6	188.6	189.8
15°	182.8	183.2	183.2	183.2	184.5
17.5°	169.7	169.7	170.1	169.3	170.1
20°	156.1	155.7	156.1	156.1	156.5
22.5°	142.1	142.6	142.6	142.6	143.4
25°	129.8	129.4	129.8	129.8	130.6
27.5°	117.1	117.5	117.9	117.5	118.3
30°	105.6	106.4	106.8	106.0	107.2
32.5°	95.3	95.3	95.7	96.1	96.5
35°	86.3	85.9	86.7	86.7	87.1
37.5°	77.6	77.6	77.6	78.1	78.5
40°	69.8	69.8	70.3	70.3	70.7
42.5°	62.9	62.4	62.9	62.9	62.9
45°	56.3	56.7	56.7	56.7	56.7
47.5°	50.5	50.5	50.9	50.5	50.9
50°	45.2	45.2	45.2	45.2	45.6
52.5°	40.3	40.3	40.3	40.3	40.7
55°	36.2	35.7	36.2	35.7	36.2
57.5°	32.0	32.0	32.0	32.0	32.0
60°	28.3	27.9	28.3	27.9	28.3
62.5°	24.6	24.6	24.6	24.6	24.6
65°	21.4	21.4	21.4	21.4	21.4
67.5°	18.5	18.5	18.5	18.1	18.1
70°	15.6	15.6	15.6	15.6	15.6
72.5°	13.1	12.7	12.7	12.7	12.7
75°	10.7	10.3	10.3	10.3	10.3
77.5°	8.2	8.2	7.8	7.8	8.2
80°	6.2	5.8	5.8	5.8	5.8
82.5°	3.7	3.7	3.7	3.7	3.7
85°	2.1	2.1	2.1	2.1	2.1
87.5°	0.4	0.4	0.4	0.8	0.8



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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)